SELF STUDY REPORT FOR CYCLE II ACCREDITATION 2015

OF

BARASAT GOVERNMENT COLLEGE

10, KNC ROAD, BARASAT, PIN-700 124

(Established 1950)

NAAC CYCLE-I ACCREDITATION (2009): “B” GRADE (CGPA: 2.60)

RECIPIENT OF DST-FIST AWARD IN 2012

Submitted to

National Assessment and Accreditation Council (NAAC)

An Autonomous Institution of the University Grants Commission

P.O. Box No 1075

Nagarbhavi

Bangalore-560072

India
Memo No. 539

Date: 22.07.2015

To
The Director
National Assessment and Accreditation Council (NAAC)
P.O.BOX NO 1075
Nagarabhavi, Bangalore-560072
India


Subject: Uploading of the Self Study Report, 2015 of Barasat Government College for Second Cycle of NAAC re-accreditation in the institutional website

Sir,

In compliance with the requirements of the letter of intent (LoI) sent from our end, we are uploading the self-study report (SSR) for the Second Cycle of NAAC accreditation of Barasat Govt. College (NAAC track ID: WBCOGN13949) in our institutional website (www.bgc.org.in). The hard copies of the SSR will reach you within the stipulated time.

This is for your kind information and necessary action.

With regards.

Yours faithfully

[Signature]
Principal
Barasat Govt. College
Govt. of West Bengal
GOVERNMENT OF WEST BENGAL
BARASAT GOVT. COLLEGE
Office of the Principal
10 K. N. C. Road, Barasat, Kolkata-700124, Phone No. : (033) 2552 3365, Fax (033) 2562 5053
website : http://barasatgovernmentcollege.net/, E-mail : info@barasatgovernmentcollege.net

Memo No. 540

Date: 22.07.2015

Certificate of Compliance
(Affiliated/Constituent/Autonomous Colleges and Recognized Institutions)

This is to certify that Barasat Government College (Name of the institution) fulfils all norms
1. Stipulated by the affiliating University and/or
2. Regulatory Council/Body [such as UGC, NCTE, AICTE, MCI, DCl, BCI, etc.] and
3. The affiliation and recognition [if applicable] is valid as on date.

In case the affiliation / recognition is conditional, then a detailed enclosure with regard to
compliance of conditions by the institution will be sent.

It is noted that NAAC’s accreditation, if granted, shall stand cancelled automatically, once the
institution loses its University affiliation or Recognition by the Regulatory Council, as the case
may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given
by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will
be displayed on the college website.

Date: 22.07.2015
Place: Barasat, North 24 Parganas, West Bengal

Principal/Head of the Institution
(Name and Signature with Office seal)
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PART-A

PREFACE
Barasat Government College is going through the course of the second cycle of accreditation by the National Assessment & Accreditation Council (NAAC) and this is our Self Study Report (SSR), which has been prepared according to the guidelines of NAAC with utmost sincerity and honesty to the best of our knowledge and belief. While preparing this report for the NAAC, we also have got the opportunity to evaluate and assess, based on a regular feedback analysis system prevalent in our college, our own institution as well as our activities and performances - our strengths and weaknesses, our positive sides and limitations, constraints and opportunities and so on. The institution, while engaging in these sorts of activities, always remains aware that dimensions and quality of education is continuously changing in the national and global arenas. It is not an act of disgrace to identify weaknesses and limitations of our own institution. On the contrary, it is the most basic act of recognition needed for the future improvement and progress of the college as quality of education needs to be continuously monitored and upgraded. Therefore, we did not hide our shortcomings. At the same time we have proudly mentioned and highlighted our achievements, strengths and best practices.

Barasat Government College is a distinguished premier institution not only of the district but also of this state. This college was set up in the year 1950, aiming to impart quality education to the pupils for their all-round development. The cultural heritage of Barasat is very rich and the light of the Bengal Renaissance has also touched its soil. Bankim Chandra Chatterjee, the renowned author and composer of the National Song of India, was the first Indian Deputy Magistrate of this town. Stalwarts like Ishwar Chandra Vidyasagar, Peary Charan Sarkar, Kalikrishna Mitra were known for undertaking several social reformative actions in Barasat, including the development of education, especially the women’s education. A direct result of these events was the setting up of the first private school for girls in Bengal in 1847 by Kalikrishna Mitra with the help of Peary Charan Sarkar. Barasat Government College inherits this glorious cultural past. And needless to say, this inheritance adds to our responsibility towards the society and the nation.

As one of the leading colleges of the district, we do our best to ensure quality education. This endeavour attracts the good and meritorious students of the surrounding areas. Owing to its geographical location and position in the communication network, the college attracts students from a wide area and from a varied socio-economic background – a good number of whom come from the rural or semi-urban backward areas. Following the ideals of inclusive
education, we are committed to serve the needs of the larger society, involving all caste, creed or community, particularly to the underprivileged class, who are meritorious but lack the means. This is also manifested in the high rate of enrolment of SC, ST, OBC and Minority students. The ratio of the girl students of the college is also noticeably high. We remain aware of the fact that the more challenging task and the greatest one may be – is providing the access to higher education especially to those deserving sections of the society, who occasionally stop after finishing school education for various kinds of challenges-financial or other. It is our mission to prove that even a first generation learner can be a front runner given the opportunities, right facilities and guidance.

The college had first faced the NAAC Peer Team in 2009. The post-accreditation initiatives towards an all-round improvement of the college have been undertaken since then in collaboration with the IQAC, formed in 2010, and other stakeholders who have been working relentlessly to maintain the internal quality of teaching - learning and academic excellence. The college has taken significant measures by closely adhering to the suggestions of the Peer Team and has improved infrastructure considerably. The college has opened three new postgraduate courses in Physics, Zoology and Bengali, in addition to the existing PG department in Botany. Furthermore, a PG course in Chemistry has received affiliation from the university and preparations are on to open it in the coming session. There has been consideration regarding introduction of subjects like Statistics and Physical Education at the undergraduate level. The College has also paid attention to the development of research facilities within the faculty and students. Infrastructural supports such as special laboratories, seminar rooms, seminar libraries, computer facilities and smart classrooms have been added. The College received the DST-FIST grant in 2013, which added fillip to the process of development towards up-gradation of the Science faculties. The Arts departments have been better equipped with modern teaching aids. A special room for seminar library has been allotted for the Arts departments. On environmental issues, the college has initiated various steps towards maintaining an eco-friendly surroundings by adopting certain social programmes in a committed manner. Various other measures have also been taken. These are thoroughly mentioned in the SSR.

Before concluding, it must be mentioned that besides the faculty members, non-teaching staff and student community of the college are also involved in the rigorous task of preparing this Self Study Report. This collaborative effort must be appreciated. Sincere thanks also go to
the UGC, DST, Higher Education Department and the other departments of Government of West Bengal, like PWD, Barasat Municipality which were engaged in various developmental activities, including improvement of the infrastructure facility of the college. We also want to acknowledge our gratitude to previous NAAC Peer Team who showed us avenues for improvement and progress as an institution.

By submitting this Self Study Report we declare that we are ready for the NAAC assessment. Our rigorous and collaborative endeavour of self-assessment will only be successful if it is appreciated by the NAAC Peer Team. We heartily invite the honourable NAAC Peer Team and eagerly look forward to their visit.

Principal
IQAC and NAAC Steering Committee
Barasat Government College, Barasat,
North 24 Parganas, West Bengal
Our College and Its Surroundings

- West Bengal State University
- Barasat Jn.
- Barasat Bus Depot
- Barasat State Govt. Hospital
- Sarama Singh Girls’ Hostel
- Fire Station
- P.S.
- Stadium
- Barasat Govt. College
- Rabindra Bhavan
- Post Office
- NH 34
- K. B. Basu Rd.
- Taki Rd
- NH 35 (Jessore Rd)

1. Barasat P.C.S Govt. High School
2. Barasat Girls’ High School

Not to Scale
PART-B(1)

EXECUTIVE SUMMARY
Barasat Government College is going through the course of the second cycle of accreditation by the National Assessment & Accreditation Council (NAAC). In 2009 the college had first faced the NAAC Peer Team and secured the grade point 2.6 and Grade B. The distinguished Peer Team-members had mentioned in their report eleven points that we should address in order to achieve higher grades. Since then, teachers of the College have been working relentlessly to maintain the internal quality of teaching - learning and academic excellence. The following are the criterion-wise major points identified by the institute in the process of development of the college.

**Criterion-I: Curricular Aspects**

✓ The vision and mission statements of the institution reflect a broad mandate for inclusive education. To fulfill this objective, the College has endeavored to ensure justice at the administrative level and integrity in academic aspects.

✓ The College puts efforts at promotion of eco-friendly good practices, sustenance of rights discourse, democratic consensus building through Students’ forums etc. outside the purview of regular curriculum.

✓ The College offers undergraduate programmes in 13 honours subjects, 2 General courses, and postgraduate programmes in 4 subjects.

✓ For the undergraduate programmes under Science and Arts faculty the institution follows the curriculum set by the affiliating university i.e. West Bengal State University.

✓ On the other hand, in postgraduate programmes the departments have academic autonomy to design and implement their course curriculum. For the postgraduate programme, the departments follow a semester system.

✓ Practical and demonstrative teaching is undertaken in practical based subjects. Field based subjects organize educational excursions.

✓ Remedial classes are held beyond the stipulated class routine. Special classes are arranged for slow learners.

✓ Computer courses are imparted to the UG first year students so that the digital divide can be breached. Self-learning methods and career oriented soft-skills are also offered to the students, so that they can cope with their future progression.
✓ The faculties of different departments have formal and informal networks and academic linkages with Universities and Research Institutions of national and international repute.

✓ Formal and informal feedback from various stakeholders such as the students, teachers, parents and other peers on implementation of course curriculum, examination pattern etc. are analyzed by the departments and useful suggestions are assimilated.

✓ The institution takes care to maintain a healthy teacher-student ratio and to minimize the unit cost of education.

✓ The college has a unit of Netaji Subhas Open University. It offers 9 UG level course programmes and 10 PG level course programmes.

✓ Various seminars and outreach programmes have helped to foment a strong bond on the lines of institutional social responsibility.

✓ The college has successfully conducted UGC ‘Entry-in-Service programme’ to impart job-oriented coaching to the meritorious but underprivileged students.

✓ The use of ICT for the teaching-learning process is encouraged by College.

✓ The IQAC and Governing Body are always vigilant about the sustenance of quality of the different enrichment programmes and try to accommodate various suggestions for improvement.

**Criterion-II: Teaching Learning and Evaluation**

✓ The College is guided by the recruitment policy of Government of West Bengal and so it cannot appoint regular faculty on its own. Out of 86 sanctioned posts, there are 77 full time faculty members in the College (as on 15.06.2015). Additionally, there are 25 part-time teachers and 16 Guest/Visiting faculty members.

✓ The college utilizes its website (www.bgc.org.in) to keep the student community informed about regular activities and institutional progress.

✓ Completely merit-based admission has been a hallmark of this institution. The College has successfully implemented digitization of the entire admission process. The cost of applying to any courses has been kept at a bare minimum, without any profit motive.

✓ For the PG courses, admission tests are conducted in a limited manner. 60% of the PG seats are reserved for students of the home university (WBSU) and the remaining 40% seats are open to graduates of all universities.
✓ North 24 Parganas has 20.60% SC population and 2.22% ST population. However, the number of SC and ST students admitted in the College are higher than this rate.
✓ The college has a healthy male/female balance and female students have often fare better than their male counterpart.
✓ Each year a significant number of students from the minority community gets admitted in the College.
✓ The college also seeks to provide barrier-free environment for students with special learning needs to ensure equal opportunities.
✓ Parent-Teacher Meetings are conducted regularly and parents are encouraged to approach the department if their ward faces any difficulties with their studies or in the campus.
✓ Students facing financial challenges are given incentives to continue their studies. Scholarship grants as arranged for as much number of students as possible.
✓ The IQAC team annually visits all the departments to conduct internal academic audit of the departments. During the visits, the IQAC team monitors the academic activities, records of students’ seminars, records of results of students and progress of University examination results of the departments.
✓ Provision for high speed broadband internet through both wireless and wired medium has been created in all the Departments, Teachers’ Room, Library and College Office.
✓ The Library has UGC-INFLIBNET facility and has acquired institutional membership of The British Council Library, Kolkata.
✓ The College has organized five national level seminars, and various other extension lecture programmes.
✓ In the past five years, there have been fifty one instances of teachers completing refresher course/ orientation programme/ summer school/ workshops etc.
✓ 90% of faculty have presented papers in Workshops/ Seminars/ Conferences conducted or recognized by professional agencies.
✓ The college promotes research orientation by publishing peer reviewed articles in ‘Aureole’, the institutional academic journal (ISSN 0976-9625).
✓ The college strictly maintains transparency in the internal assessment of students. The teachers adhere to the pattern of evaluation prescribed by the University.
The Institution encourages field visits and other such academic engagements by which the students develop their knowledge, consciousness on conservation and nature and social orientation.

**Criterion-III: Research, Consultancy and Extension**

- A Research Committee has been formed in accordance with UGC guidelines.
- Teachers who have completed Ph.D. are encouraged to carry out inter and intra departmental collaborative research in possible cases.
- The Committee has proposed to increase inter-disciplinary interactions through collaborative seminars. Several such seminars have been organized by both arts and science departments.
- The College provides major infrastructural facilities like library, laboratory, computer and internet facilities to pursue research activities. Central Instrument Facility containing sophisticated instruments are available (especially for Science departments).
- The postgraduate courses of Botany, Zoology and Physics incorporate Field work and individual Dissertation work for their M.Sc. students, which lay the foundation for research activity.
- Availability of 80,541 books (including old & rare books) in the library and about 50 Journal titles across many fields provide the students the opportunity of having a treasure of knowledge. Access to online journals through INFLIBNET and British Council Library adds to this wealth.
- Many faculty members of different Departments are also actively engaged in collaborative research work with many leading institutions/organisation.
- Dr. Madhumita Manna, faculty of Department of Zoology have been doing extensive research work on ‘Kala-azar’ and she frequently participates in various awareness programme on this issue.
- A Memorandum of Agreement was made between DBT, Department of Biotechnology, Ministry of Science and Technology, Govt. of India and Barasat Govt. College whereas DBT being desirous of Health Sciences decided to support a project submitted by Dr. Madhumita Manna, faculty of Department of Zoology.
During the period from 2010-2015, the total number of publications by faculty members (serving this College) and students comprising papers published in peer and non-peer reviewed journals, monographs, chapter in books and books with or without ISSN/ISBN No. is 470.

During the same period, 19 faculty members have been awarded their PhD degree. Some of these faculty members have subsequently been transferred to other Govt. Colleges.

The IQAC and Research committees of the institution always encourage the Faculty members to extend consultancy service. They are provided with On-Duty Leave, if required.

The NSS wing of the college started functioning in 2002 and has been an active body ever since. The College has also organized a workshop to promote awareness among the students regarding Thalassemia and performed blood screening.

The outreach activities have most satisfactorily culminated into the Institution’s collaboration with the Kishalay home for children.

Dr. Manju Mondal has been instrumental in getting the stray mongrels living in the campus sterilized and vaccinated. She also feeds them regularly, an act that has inspired students to be kind towards animal and respect the bonding of man and his environment – a fundamental component of holistic education.

**Criterion-IV: Infrastructure and Learning Resources**

In the last few years the College has witnessed the completion of the four-storied Annex Building, augmentation of floor space for the Department of Botany and Zoology in the Main Building to accommodate new laboratories meant for specialized research, ongoing construction of the new Chemistry building, revamping the floor area of Central Library.

In addition to this, proposals have been sent for construction of ‘Library and Morning Section Building’ and ‘Extension of Annex Building’.

All science Departments have specialized facilities for research. Along with these E-classrooms have been set up in the Departments of Zoology and Botany to augment the process of teaching-learning.

Healthcare needs of students are met through Students’ Health Home. Nearly all teaching and non-teaching staff have been covered under Cashless West Bengal Health Scheme.
While the College is yet to have its own hostel, arrangements have been made to reserve boarder seats for SC, ST girl students in the nearby Sarama Singh Girls’ Hostel, run by Backward Classes Welfare Department, Govt. of West Bengal.

Timing of the library has become effective for users of both morning and day section. Process of Computerization of library is going on and process of accessioning and cataloguing of new books are being computerized.

Provision has been made to obtain formal feedback on the facilities and services of the library. Analysis of such feedbacks is shared with the library staff to improve the standards of service.

130 number of desktop, laptop and all-in-one computers are available at the College.

The College has already taken initiative to enable the entire College with Campus-Wi-Fi Solution Network.

Condemnation Committee of the College looks after proper disposal mechanism for discarded items. It organizes an auction so that the waste-material, especially e-waste may be handed over to authorized recyclers for proper disposal.

The College has installed in a proper platform and shade, a silent auto-start pollution free DG Set of 50kVA capacity made by Cummins, Jackson to insure the sensitive instruments against power outage and to create adequate power back-up.

**Criterion-V: Student Support and Progression**

The College publishes an annual Academic Calendar consisting of detailed information regarding College activities.

Students of the College enjoy several types of incentives and scholarships from both government and non-government sources. Tuition fee-waiver scheme or free studentship is the primary form of scholarship provided at the institutional level.

The students receive financial assistance from various sources of State Government and Central Government, such Kanyashree (K-2), Merit-cum-means scholarship, DST Inspire, Minority Scholarship sponsored by West Bengal Minority Development Finance Corporation, and other non-government scholarships.

The Students’ Aid Fund is used to extend financial assistance in the form of book grants, examination fees, tuition fees and excursion grants to the economically weaker students.
The college has constructed one ramp each in the Main Building as well as in the Science Building for the differently-abled students. Braille books are available in the library for visually challenged students.

Sahida Khatun, a differently able student of this College has participated in Paralympics and has received State Award from the Department of Women Development and Social Welfare as ‘Role Model’

Students of the College have been successful in various sports events and cultural competitions at the district/state/national level.

‘Entry-in-Services programme’, under UGC XIIth Plan for SC/ST/OBC (Non-Creamy Layer) and Minority candidates who have completed Bachelor’s Degree/H.S or Madhyami, is one endeavor which has run successfully in this College.

Departmental teachers of Science disciplines also groom their students regarding competitive examinations like JAM/GATE etc. Success rate of the students in these examinations speaks volumes about the efforts of the teachers.

Remedial classes and tutorials are organized for such slow learners. Bilingual explanation, revision of topics and practical sessions are arranged for them.

Students of various Departments publish Wall magazine periodically.

Various career counselling sessions were organized during last three-four years to provide the students a scope for industry interactions.

The College has an Internal Complaints Committee (ICC), formed as per the Vishakha guidelines. It also has a Grievance Redressal Cell where students can record their grievances. They can also provide their feedback about the College in the evaluation forms given to them by the IQAC.

Students are also made aware of the National Anti-Ragging Help Line (UGC Crisis Hotline) having the 24x7 Toll Free Number 1800-180-5522 and the email helpline@antiragging.in. The information packs from the anti-ragging portals are displayed in the College website in both English and vernacular language.

No formal complaints related to ragging within the campus has been reported to the College Authority during the last four years or the recent past before.

The college has a democratically elected Student Council named as “Barasat Government College Students’ Union”. The Students’ Union is a highly active body looking after the
welfare of the general students. The members of the Union always cooperate with the college authority to maintain the academic atmosphere of the college.

✔ Soon the options for registration of Alumni members through the College website and integration of the portal with Facebook will be made available.

**Criterion-VI: Governance, Leadership and Management**

✔ As a Government College this institution is administered directly by the Higher Education Department and the Education Directorate, Government of West Bengal. They regulate year-wise budget allocation under the Plan and Non-plan heads for the College as well as enjoys full authority in all appointments, confirmation, career advancement, and transfer of Principal, Teachers and Non-teaching staff.

✔ Principal is the key element in developing the organizational structure, formulating and implementing the strategy of development through the college development committee and Governing body.

✔ Principal of the College believes in collective leadership and decentralized governance.

✔ The Internal Quality Assessment Cell (IQAC) keeps a regular tab on the academic aspects and activities of the College. It devises and formulates plans relating to future academic growth and sustenance of quality after feedback analysis.

✔ Stakeholders of the institution are co-opted while strategizing the growth trajectory of the institution.

✔ The Teachers’ Council is an important forum where issues related to academic matters and overall development of the College in general are taken up. The management seeks the confidence of the Teachers’ Council in implementing certain key targets.

✔ The Environment Protection and Nature Cell of the college aims to encourage all teaching, non-teaching members and students of the college to be aware and participate in activities connected with the conservation of nature and about the ill effects of the destruction of natural resources.

✔ Staying true to the spirit of any healthy organizational set-up, the new entrants to the service are groomed by the seniors at various levels in order to prepare them for the dual role of academician-administrator.

✔ Keeping in mind the quality of faculty members, basic infrastructure, results and students’ demand, the College is going to introduce PG course in Chemistry. It has
already received due affiliation of West Bengal State University and is waiting for the final approval of the Higher Education Department.

- The teaching staff members are showing their interest to bring research fund against minor or major research projects for the overall academic development of the College. Funds are now coming from various State and Central Govt. agencies. The amount of funds received for minor and major projects is significantly higher than before.

- The non-teaching staff are given Computer training and hands-on interactive sessions with software such as COSA, E-Bantan, E-Pradan etc. for preparation of salary bill, keeping accounts, student’s data and various other functions of the office.

- Being a Govt. College, we are guided by the financial rules of the Govt. of West Bengal. A number of committees consisting of teaching and/or non-teaching staff are constituted every year to ensure purchase of equipment, books and furniture.

- E-tendering process is ensured to maintain fairness in purchase related matters. Sufficient publicity is given to the tenders through other Govt. offices.

- The whole process of fund allocation and management is supervised by the Principal. The Governing Body also recommends proposals for the effective utilization of financial resources. Auditing is done periodically and stipulations are met.

- The institution receives annual and planned funds primarily from the Government of West Bengal and UGC. The College has also received project-wise funds from the DST, New Delhi. Apart from these, additional grants for specific purposes are also received by the College.

- Teachers of this College belong to a wider pool of cadres of West Bengal Education Service (W.B.E.S). Administrative functions with respect to higher education in West Bengal are handled by this cadre only.

**Criterion-VII: Innovations and Best Practices**

- The college gives high importance to the cleanliness of the campus as well as on developing a general environment consciousness among all its stakeholders.

- The concern for energy conservation prevails among both the staff and the students.

- The college is in the process of installing a Solar Panel photo-voltaic system at the roof top of the college building with the initiative of PWD, Electrical wing, Govt. of West Bengal.
In order to control the carbon level in the college initiatives towards regular plantation of trees plays a significant role. Further on dead leaves, waste paper, and other waste material are not burnt it is disposed off as municipal waste.

The College has specially constructed a Waste Accumulation Area (WAA) outside the Department of Chemistry to dispose off the hazardous waste.

Care is taken so that toxic material present in e-waste, like batteries, compressors of refrigerators, and CRT monitors do not come in contact with the natural elements.

Teaching-learning enhancement through continuous evaluation and innovative practices/methods – is one of the best practices of the College.

As evidence of success of such practice, students’ performances in the University Examinations are remarkably good. Most of the University toppers are students of this institution. Moreover, study has revealed that students prefer this College over the nearest University for pursuing their post-graduation courses.

Transfer of teachers affects the continuation/consistency of the teaching-learning-evaluation system.

Protection of environment and practicing ecological inclusion -- is another best practice of the College.

The ‘Solid Green waste’ generated by the College is decomposed by the vermicomposting method under the supervision of Dr. D Chakraborty, Senior Faculty of the Department of Zoology.

The college has delivered expert consultancy services for nature protection, e.g. the District Forest Officer of North 24 Parganas and a local NGO sought expert advice to preserve old road side rain trees in the district. Professors led by the Head of the department of Botany gave the detailed report to the district authority in due course.

Vaccination camp for the stray dogs is a regular feature of the college. All the neighboring dogs are sterilized under the careful monitoring of our ‘Environment Protection and Nature Cell’. These dogs have all been returned to their original environment after the Animal Birth Control programme as per norms.

These activities can be accelerated even more if a handsome Government fund is available and if the local civic bodies come forward to assist us in greater measure.
PART-B(2)

SWOC ANALYSIS
Institutional Strength

- Barasat Government College draws its strength from a well activated feedback system which is utilized by a diverse section of the stakeholders and through varied manners.
- The College enjoys an advantageous location. Situated at the district headquarter, it is well-connected by railway, road network and airport. Other essential facilities like Bank, Post-office, District Library, Administrative offices, Govt. Hospital, Stadium etc. are in close proximity of the College.
- The College inherits a glorious legacy and excellent academic performances, believes in inclusive growth as well as quality assurances with equal opportunities for all students.
- Carrying on the pioneering role of female education in Bengal, more than 50% of the student strength for successive years are constituted by girl students of this college. We feel this is a direct legacy of a culture of female education, whereby Bengal’s first private school for girls was set up here in 1847.

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<tr>
<td>M</td>
</tr>
<tr>
<td>2011</td>
</tr>
</tbody>
</table>

- Being a Government College, it earns the faith of the larger populace regarding academic quality, creating a positive and transparent environment. Infrastructural and logistical facilities of other Government Institutions are easily available to our students, teachers and staff.
- The cost of education is very low. Special care and assistance for students from economically weaker and BPL section are taken through measures like – a nominal fee structure as compared to other colleges, number of scholarships and regular incentives are provided to the
students from scheduled caste and tribes and minority students, Kanyashree Prakalpa and Indira Gandhi scholarships for single girl child, DST Inspire etc.

- The college offers free-studentship to meritorious but financially weaker section of students.

![Graph showing Category-wise Distribution of Registered Students]

- The College has recorded consistently good academic results. Many students have topped University merit list. Students’ achievements in games and sports and cultural functions at the state/national/international levels have brought glory to the College.
- Under the guidance of the Principal peaceful functioning of the College is ensured and it has created a congenial atmosphere of mutual learning.
- A pool of highly qualified, dedicated and committed teaching faculties as well as non-teaching staff have devoted themselves for the enrichment of the Institutional goodwill. The College is able to draw the special attention of its affiliating University.
- Social outreach initiatives through NSS have added to our strength.
- PG courses have been introduced in the departments of Bengali, Zoology and Physics after the last NAAC peer team’s visit. Additionally, new PG course for Chemistry has been granted affiliation by the University, pending final government approval.
- Greater participation in research has improved substantially since the introduction of postgraduate courses. Research projects and peer reviewed publications both in national and international journals are testimony to the contribution of the institution in higher academic field.
• The college has modern laboratories for hands-on training facility meant for students.
• An enriched computerized library with wide repertoire of study materials and a huge number of relevant and current titles is our asset. Students avail internet and reprographic facilities in Central library.
• Positive endeavor towards adoption of updated technology in the form of computerization of admission process, office administration, accounting and aspects of library as well as in the departmental activities is gaining momentum.
• Students also get medical benefits through Students’ Health Home. Book banks cater to poor students. Subsidized canteen, cheap store etc. are meant for them. Apart from this, expenditure for field study is also provided to needy students.
• All teaching and non-teaching employees of the institution and their family members, are assured of their health insurance aspects through the Cashless West Bengal Health Scheme.

**Institutional Weakness**

• Space constraint is one of the weaknesses of the College given the annual increase in the number of students and courses. There is less scope for infrastructural extension in the present campus. However, the College is mulling the option for creating a separate college campus for the morning section, for better management and optimal utilization of the available resources.
• Students of the College have to share the playground with the adjoining school as options for other outdoor sports activities within the campus are limited.
• The college has to depend on the arrangements for utilizing the facilities of the adjacent stadium (Vidyasagar Krirangan).
• The College is yet to have its own hostel. The students have to share different Govt. Hostels.
• The college has no large auditorium of its own; it has to use adjacent district auditorium (Rabindra Bhavan) for organizing functions involving large gathering.
• Transfer of teachers at times create a shortage of manpower and sometimes disrupts the momentum. The College cannot fill its vacancies independently.
• Vacancies for Librarian and non-teaching staff need to be filled up. Due to shortage of Library staff, it has not yet been possible to operate the library beyond normal College hours.
• As the institute is yet to have academic autonomy at the UG level, its contribution in curriculum designing and modification remains limited.
- Limited resources of funds and financial dependence on Government – these are some of the pulling-back factors in the growth chart of the College. Government permissions are needed for fund generation; there are hardly any scope for financial autonomy.
- It has limited scope for career placement/job opportunities in private sectors for all UG students.
- The occasional official requisition of college premises for commissioning and conducting Public Elections causes loss of teaching days and affects campus cleanliness.

**Opportunities lying ahead of the Institution**
- Further expansion of postgraduate courses will benefit the region as considerable demand exists for harnessing the opportunity for postgraduate studies. The increasing number of applicants for existing PG courses is testimony to such demands.
- The College library maintains institutional membership of the British Council Library and UGC-Inflibnet, which enable the students and staff of the college to access the e-resources. Also, there is an agenda to subscribe to JSTOR publications, to promote research works. Moreover, introduction of cataloguing for LIBSYS software help students search for more titles.
- The success of the students in all-India level entrance examinations such as UGC-NET, IIT, JAM, GATE etc. has increased the expectation of pupils from the institution.
- Recent introduction of a short course in Communicative English for the students is another opportunity for the students.
- Integration of LAN and internet facilities exist in different departments. Wi-Fi enabled campus will create a better connectivity among the stakeholders and will increase the academic output of the College to a great extent.
- A Reprographic Centre is available in the college campus, where the students can get the facilities of pay-phone, internet, scan and photo copy at a low rate.
- It has provision for adult and continuing education through NSOU.
- It has universalization of computer education through NIELIT.
- It has employment assistance through coaching under UGC sponsored Entry in services scheme.
- It arranges syllabus oriented tutorial and remedial classes on a regular basis.
- The college has been conducting various professional examinations on holidays.
Challenges before the Institution

- The College has limited resources for imparting formal education to a larger student base. The demand pattern during admissions reflects a worrying trend. For example, during the current session demand-ratio for each seat of Bengali Honours stands at a figure of 1:32. The college needs a holistic plan to accommodate these students.

- Upgradation of status and more autonomy will require structural and statutory changes. The development of a perspective plan for a longer period with short term sub-plans is dependent on the State Government policy as the College is entirely guided by the State Government rules and regulations, pertaining to recruitment of staff, income and expenditure. All employees are subject to the West Bengal Service Rules and West Bengal Financial Rules. The State Government, however, welcomes proposals for development.

- Academic planning for UG level is entirely dependent on West Bengal State University, though the University welcomes suggestions.

- The academic performance of the students is good, yet there remains further scope for improvement. Given the annual increase in intake capacity, the challenge is to retain and enhance the quality performance.

- Smooth integration of all these graduates in the job-market remains a challenge, given the changing pattern of demand-structure of the industries scouting for talents. Attrition among students of science stream, in search of courses that assure placement, is a concern.

- Without the removal of obsolescence of technology from time to time, the restructuring of syllabus and the improvements/upgradation of laboratory facilities, the present advantages will be difficult to sustain.
PART-C

PROFILE OF THE COLLEGE
1. Name and Address of the College:

<table>
<thead>
<tr>
<th>Name</th>
<th>BARASAT GOVERNMENT COLLEGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>10 &amp; 10/1 K.N.C. ROAD. P.O.-BARASAT, DIST.-NORTH 24 PARGANAS; WEST BENGAL, PIN – 700 124</td>
</tr>
<tr>
<td>City</td>
<td>BARASAT</td>
</tr>
<tr>
<td>Pin</td>
<td>700 124</td>
</tr>
<tr>
<td>State</td>
<td>WEST BENGAL</td>
</tr>
<tr>
<td>Website</td>
<td><a href="http://www.bgc.org.in">www.bgc.org.in</a></td>
</tr>
</tbody>
</table>

2. For Communication:

<table>
<thead>
<tr>
<th>Designation</th>
<th>Name</th>
<th>Telephone with STD Code</th>
<th>Mobile</th>
<th>Fax</th>
<th>E-mail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principal</td>
<td>Dr. Subhasis Dutta O: 033-25523365 R: 033-24052594 9433563658 033-25625053</td>
<td><a href="mailto:principal@bgc.org.in">principal@bgc.org.in</a></td>
<td><a href="mailto:sdutta7160@gmail.com">sdutta7160@gmail.com</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vice-Principal</td>
<td>No Such Post Exists</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Steering Committee Coordinator</td>
<td>Mr. Kinshuk Nandi O: 033-25523365 9830622568 033-25625053</td>
<td><a href="mailto:kinshuk.nandi@gmail.com">kinshuk.nandi@gmail.com</a></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. Status of the Institution

- Affiliated [✓]
- Constituent College [ ]
- Any other, please specify [ ]

4. Type of Institution

a. By Gender
   i. For Men [ ]
   ii. For Women [ ]
   iii. Co-education [✓]
b. By Shift
   i. Regular
   ii. Day √
   iii. Evening

5. It is a recognized minority institution?
   Yes
   No √

If yes specify the minority status (Religious/linguistic/ any other) and provide documentary evidence

   NOT APPLICABLE

6. Sources of funding:

   Government √
   Grant-in-aid √
   Self-financing
   Any other

7. a. Date of establishment of the college: 07.09.1950 (dd/mm/yyyy)

b. University to which the college is affiliated /or which governs the college (If it is a constituent college)

   WEST BENGAL STATE UNIVERSITY (BARASAT)

c. Details of UGC recognition:

<table>
<thead>
<tr>
<th>Under Section</th>
<th>Date, Month &amp; Year (dd-mm-yyyy)</th>
<th>Remarks (If any)</th>
</tr>
</thead>
<tbody>
<tr>
<td>i. 2 (f)</td>
<td>00-00-1956</td>
<td>The college was included u/s 2(f) of UGC act since the inception of UGC</td>
</tr>
<tr>
<td>ii. 12 (B)</td>
<td>00-00-1956</td>
<td>The college was established before 1956 and was included u/s 12(B) of UGC act since its enforcement.</td>
</tr>
</tbody>
</table>

(Please see Annexure for Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)
d. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

<table>
<thead>
<tr>
<th>Under Section/ clause</th>
<th>Recognition/Approval details Institution/Department Programme</th>
<th>Day, Month and Year (dd-mm-yyyy)</th>
<th>Validity</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>i.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ii.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>iii.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>iv.</td>
<td>NONE</td>
<td>N.A.</td>
<td>N.A.</td>
<td>N.A.</td>
</tr>
</tbody>
</table>

(Enclose the recognition/approval letter)

8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?

Yes [ ] No [X]

If yes, has the College applied for availing the autonomous status?

Yes [ ] No [ ]

9. Is the college recognized
   a. by UGC as a College with Potential for Excellence (CPE)?

Yes [ ] No [X]

b. for its performance by any other governmental agency?

Yes [X] No [ ]

   If yes, Name of the agency: Department of Science and Technology, Government of India

   Date of recognition: 15.02.2012 (dd/mm/yyyy)

10. Location of the campus and area in sq.mts:

<table>
<thead>
<tr>
<th>Location *</th>
<th>Urban</th>
</tr>
</thead>
<tbody>
<tr>
<td>Campus area in sq. mts.</td>
<td>9,029,451 sq. mts</td>
</tr>
<tr>
<td>Built up area in sq. mts.</td>
<td>3,245,363 sq. mts</td>
</tr>
</tbody>
</table>

(*Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

---

1 FIST was awarded with respect to all the Departments of the College by the DST and the College has received the grant of Rs. 67 Lakhs in the first installment. The College actually received Rs. 56.5 Lakhs as grant.
11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

- **Auditorium/seminar complex with infrastructural facilities**
  One Auditorium is in the Annex Building having a seating capacity of 150. Apart from this, there is another auditorium on the Ground Floor of Main Building with provision for 150 seats, while one Seminar Hall each are there in Department of Botany and Zoology, having seating capacity of 60 each.

- **Sports facilities**
  - Play Ground
  - Swimming Pool
  - Gymnasium

- **Hostel**
  - Boys’ hostel
    i. Number of hostels -- N.A.
    ii. Number of inmates – N.A.
    iii. Facilities (mention available facilities) – N.A.
  - Girls’ Hostel
    i. Number of hostels --
    ii. Number of inmates –
    iii. Facilities (mention available facilities) –
  - Working Women’s Hostel
    i. Number of inmates – N.A.
    ii. Facilities (mention available facilities) – N.A.

- **Residential facilities for teaching and non-teaching staff (give numbers available — cadre wise)**
  1. One (1) quarter is available for non-teaching staff within the College campus. Accommodation is also provided by the district administration as and when they apply.
  2. Since the teachers are cadres of W.B.E.S. State Government quarters are arranged for them by the district administration as and when they apply.

- **Cafeteria**

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2 The College shares a Common Playground with the adjacent Govt. School for Boys.
3 Hostel seats for Scheduled Caste and Scheduled Tribe Girl students are arranged in the Sarama Singh Central Hostel for Girls’ at Barasat, run by Govt. of West Bengal. The College also plans to set up its own Girls’ Hostel in future.
Health Centre

- First aid, Inpatient, Outpatient, Emergency care facility, Ambulance

Health Centre staff
- Qualified doctor
  - Full Time □
  - Part-time □
- Qualified Nurse
  - Full Time □
  - Part-time □

Facilities like banking, post office, book shops

SBI Barasat branch is located just outside the College. Scholarship grants for students are disbursed through zero balance accounts. Salary of teaching and non-teaching staffs are disbursed through Account transfer.

Post-office and book shops are available within 500 metres of the College. The College has a Cheap-Store catering to the needs for stationery items of the students.

Transport facilities to cater to the needs of students and staff

Animal house

Biological waste disposal

Generator or other facility for management/regulation of electricity and voltage

Solid waste management facility

Waste water management

Water harvesting

---

4 Students’ Health Home and District Govt. Hospital facilities are availed as and when required. Apart from this, all teaching and non-teaching staff of the College are eligible to avail cashless treatment at all listed super-specialty hospitals and Diagnostic Centers under West Bengal Health Scheme. Detailed list of such Hospitals are mentioned in the G.O. No. 4656-F (MED) dated 05.09.2014, issued by the Finance Department, Govt. of West Bengal.

5 Department of Zoology uses autoclave procedure to dispose off biological waste.

6 Vermicomposting method is used to manage solid waste generated within the campus.

7 Department of Chemistry has a Waste Accumulation Area (WAA) to properly dispose off the hazardous chemicals.

8 The College has engaged Surface Water Investigation Department (SWID), Govt. of West Bengal to implement the project. A feasibility report is expected soon.
12. Details of programmes offered by the college (Give data for current academic year)

**Data for 2014-15 Academic Session**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Programme Level</th>
<th>Name of the Programme/Course</th>
<th>Duration</th>
<th>Entry Qualification</th>
<th>Medium of instruction</th>
<th>Sanctioned/approved Student strength</th>
<th>No. of students admitted</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>B.A. (Honours)</td>
<td>Bengali</td>
<td>3 years</td>
<td>*(See Table 1)</td>
<td>Bengali</td>
<td>76</td>
<td>71</td>
</tr>
<tr>
<td></td>
<td></td>
<td>English</td>
<td>3 years</td>
<td>*(See Table 1)</td>
<td>English</td>
<td>76</td>
<td>72</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sanskrit</td>
<td>3 years</td>
<td>*(See Table 1)</td>
<td>Bengali/Sanskrit</td>
<td>46</td>
<td>44</td>
</tr>
<tr>
<td></td>
<td></td>
<td>History</td>
<td>3 years</td>
<td>*(See Table 1)</td>
<td>English/Bengali</td>
<td>76</td>
<td>63</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Philosophy</td>
<td>3 years</td>
<td>*(See Table 1)</td>
<td>English/Bengali</td>
<td>76</td>
<td>57</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Political Science</td>
<td>3 years</td>
<td>*(See Table 1)</td>
<td>English/Bengali</td>
<td>76</td>
<td>43</td>
</tr>
<tr>
<td>2.</td>
<td>B.Sc. (Honours)</td>
<td>Physics</td>
<td>3 years</td>
<td>*(See Table 1)</td>
<td>English/Bengali</td>
<td>53</td>
<td>36</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chemistry</td>
<td>3 years</td>
<td>*(See Table 1)</td>
<td>English/Bengali</td>
<td>41</td>
<td>33</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mathematics</td>
<td>3 years</td>
<td>*(See Table 1)</td>
<td>English/Bengali</td>
<td>58</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Botany</td>
<td>3 years</td>
<td>*(See Table 1)</td>
<td>English/Bengali</td>
<td>46</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Zoology</td>
<td>3 years</td>
<td>*(See Table 1)</td>
<td>English/Bengali</td>
<td>46</td>
<td>43</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Geography</td>
<td>3 years</td>
<td>*(See Table 1)</td>
<td>English/Bengali</td>
<td>50</td>
<td>53</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Economics</td>
<td>3 years</td>
<td>*(See Table 1)</td>
<td>English/Bengali</td>
<td>46</td>
<td>01</td>
</tr>
<tr>
<td>3.</td>
<td>B.A. (General)</td>
<td></td>
<td>3 years</td>
<td>*(See Table 1)</td>
<td>English/Bengali</td>
<td>316</td>
<td>334</td>
</tr>
<tr>
<td>4.</td>
<td>B.Sc. (General)</td>
<td></td>
<td>3 years</td>
<td>*(See Table 1)</td>
<td>English/Bengali</td>
<td>139</td>
<td>62</td>
</tr>
<tr>
<td>5.</td>
<td>M.A</td>
<td>Bengali</td>
<td>Four Semester</td>
<td>**</td>
<td>Bengali</td>
<td>32</td>
<td>32</td>
</tr>
<tr>
<td>6.</td>
<td>M.Sc.</td>
<td>Botany</td>
<td>Four Semester</td>
<td>**</td>
<td>English/Bengali</td>
<td>27</td>
<td>27</td>
</tr>
</tbody>
</table>
### Table-I

Category-wise entry level qualification of different UG subjects. Aggregate of best four subject marks obtained at 10+2 is considered to calculate the Aggregate.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Eligibility Criteria for General, OBC-A and OBC-B candidates</th>
<th>Eligibility Criteria for SC/ST candidates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bengali</td>
<td>50% in aggregate, 50% in respective subject</td>
<td>40% in aggregate, 40% in respective subject</td>
</tr>
<tr>
<td>English</td>
<td>60% in aggregate, 60% in respective subject</td>
<td>40% in aggregate, 40% in respective subject</td>
</tr>
<tr>
<td>Sanskrit</td>
<td>50% in aggregate, 50% in Sanskrit</td>
<td>40% in aggregate, 40% in Sanskrit</td>
</tr>
<tr>
<td>History, Philosophy, Political Science</td>
<td>50% in aggregate, 50% in respective subject. (In case the candidate does not have the subject at the plus two level, 50% in ENGLISH)</td>
<td>40% in aggregate, 40% in respective subject. (In case the candidate does not have the subject at the plus two level, 40% in ENGLISH)</td>
</tr>
<tr>
<td>Physics</td>
<td>60% in aggregate, 60% in both Physics and Mathematics, and Pass marks in Chemistry</td>
<td>40% in aggregate, 40% in both Physics and Mathematics, and Pass marks in Chemistry</td>
</tr>
<tr>
<td>Chemistry</td>
<td>60% in aggregate, 60% in Chemistry, 45% in Mathematics, and Pass marks in Physics</td>
<td>40% in aggregate, 40% in Chemistry, 40% in Mathematics, Pass marks in Physics</td>
</tr>
<tr>
<td>Mathematics</td>
<td>60% in aggregate, 60% in Mathematics, and Pass marks in both Physics and Chemistry</td>
<td>40% in aggregate, 40% in Mathematics, and Pass marks in both Physics and Chemistry</td>
</tr>
</tbody>
</table>
Botany | 55% in aggregate, 60% in Biology, and Pass marks in Chemistry | 40% in aggregate, 40% in Biology, and Pass marks in Chemistry
---|---|---
Zoology | 60% in aggregate, 60% in Biology, and Pass marks in Chemistry | 40% in aggregate, 40% in Biology, and Pass marks in Chemistry
Geography | 60% in aggregate, 60% in Geography | 40% in aggregate, 40% in Geography
Economics | 55% in aggregate, 40% in Mathematics, 40% in English | 40% in aggregate, 40% in Mathematics, 40% in English
B.A General | 50% in aggregate | 40% in aggregate
B.Sc. General | 50% in aggregate | 40% in aggregate

** Under-graduate students who have passed with Honours in the respective subject are eligible to apply for the PG courses.

13. Does the college offer self-financed Programmes?

Yes [ ] No [√]

If yes, how many? NOT APPLICABLE

14. New programmes introduced in the college during the last five years if any?

Yes [√] No [ ] Number [03]

15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Departments (eg. Physics, Botany, History etc.)</th>
<th>UG (Hons.)</th>
<th>UG (General)</th>
<th>PG</th>
<th>Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>Science</td>
<td>Physics</td>
<td>√</td>
<td>√</td>
<td>√</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Botany</td>
<td>√</td>
<td></td>
<td>√</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Zoology</td>
<td>√</td>
<td></td>
<td></td>
<td>√</td>
</tr>
<tr>
<td></td>
<td>Mathematics</td>
<td>√</td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>Chemistry</td>
<td>√</td>
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</tr>
<tr>
<td></td>
<td>Geography</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Economics</td>
<td>√</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

9 It is part of Bachelor of Science in UG Honours and part of Bachelor of Arts programme in UG General Course.
16. Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, M.Com.)
   a. Annual System 15
   b. Semester System 04
   c. Trimester System

17. Number of Programmes with
   a. Choice Based Credit System
   b. Inter/Multidisciplinary Approach
   c. Any other (specify and provide details)

18. Does the college offer UG and/or PG programmes in Teacher Education?
   Yes
   No √

   If yes
   a. Year of Introduction of the programme(s) N.A. (dd/mm/yyyy) and number of batches that completed the programme N.A.
   b. NCTE recognition details (if applicable)
      Notification No.: N.A.
      Date: N.A. (dd/mm/yyyy)
      Validity: N.A.
c. Is the institution opting for assessment and accreditation of Teacher Education Programme separately?

Yes ☐ No ☑

19. Does the college offer UG and/or PG programmes in Physical Education?

Yes ☐ No ☑

If yes

a. Year of Introduction of the programme(s) N.A. (dd/mm/yyyy) and number of batches that completed the programme N.A.

b. NCTE recognition details (if applicable)

Notification No.: N.A.
Date: N.A. (dd/mm/yyyy)
Validity: N.A.

c. Is the institution opting for assessment and accreditation of Physical Education Programme separately?

Yes ☐ No ☑

20. Number of teaching and non-teaching positions in the Institution

**Status as on 15.06.2015**

<table>
<thead>
<tr>
<th>Positions</th>
<th>Teaching faculty</th>
<th>Non-teaching staff</th>
<th>Technical staff</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Professor</td>
<td>Associate Professor</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td></td>
<td>*M</td>
<td>*F</td>
<td>*M</td>
</tr>
<tr>
<td>Sanctioned by the UGC / University / State</td>
<td>03 + 01</td>
<td>80+02 Librarian</td>
<td>35</td>
</tr>
<tr>
<td>Government</td>
<td>Post for Principal</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Recruited</strong></td>
<td>03+ 00</td>
<td>08+02 Librarian</td>
<td>03</td>
</tr>
<tr>
<td><strong>Yet to recruit</strong></td>
<td>00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sanctioned by the Management/society or other</td>
<td>-- None --</td>
<td></td>
<td></td>
</tr>
<tr>
<td>authorized bodies</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Recruited</strong></td>
<td>-- N.A. --</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Yet to recruit</strong></td>
<td>-- N.A. --</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*M-Male  *F-Female
21. Qualifications of the teaching staff: (Status as on 15.06.2015)

<table>
<thead>
<tr>
<th>Highest qualification</th>
<th>Professor</th>
<th>Associate Professor</th>
<th>Assistant Professor</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Male</td>
<td>Female</td>
<td>Male</td>
<td>Female</td>
</tr>
<tr>
<td>D.Sc./D.Litt.</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Ph.D.</td>
<td>03+</td>
<td>01 Principal</td>
<td>x</td>
<td>13*</td>
</tr>
<tr>
<td>M.Phil.</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>PG</td>
<td>x</td>
<td>x</td>
<td>05</td>
<td>01</td>
</tr>
</tbody>
</table>

**Temporary teachers (Guest Faculty)**

<table>
<thead>
<tr>
<th></th>
<th>Ph.D.</th>
<th>M.Phil.</th>
<th>PG</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>16</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td></td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
</tbody>
</table>
| Part-time teachers
| Ph.D.          | 00    | 01      | 01 |
| M.Phil.        | x     | 04      | 04 |
| PG             | 02    | 18      | 20 |

*Includes the Librarian as well*

22. Number of Visiting Faculty /Guest Faculty engaged with the College. 16

23. Furnish the number of the students admitted to the college during the last four academic years.

**Data Pertaining to UG Admission**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SC</td>
<td>132</td>
<td>142</td>
<td>155</td>
<td>137</td>
<td>277</td>
<td>213</td>
</tr>
<tr>
<td>ST</td>
<td>13</td>
<td>09</td>
<td>13</td>
<td>10</td>
<td>27</td>
<td>18</td>
</tr>
<tr>
<td>OBC</td>
<td>86</td>
<td>69</td>
<td>68</td>
<td>37</td>
<td>88</td>
<td>68</td>
</tr>
<tr>
<td>General</td>
<td>254</td>
<td>292</td>
<td>278</td>
<td>329</td>
<td>578</td>
<td>558</td>
</tr>
<tr>
<td>Others (Minority)</td>
<td>111</td>
<td>82</td>
<td>92</td>
<td>73</td>
<td>178</td>
<td>118</td>
</tr>
</tbody>
</table>
24. Details on students enrollment in the college during the current academic year:
(Data Pertaining to 2014-15 Session)

<table>
<thead>
<tr>
<th>Type of students</th>
<th>UG</th>
<th>PG</th>
<th>M. Phil.</th>
<th>Ph.D.</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students from the same state where the college is located</td>
<td>2,614</td>
<td>204</td>
<td>00</td>
<td>00</td>
<td>2,818</td>
</tr>
<tr>
<td>Students from other states of India</td>
<td>00</td>
<td>00</td>
<td>00</td>
<td>00</td>
<td>00</td>
</tr>
<tr>
<td>NRI students</td>
<td>00</td>
<td>00</td>
<td>00</td>
<td>00</td>
<td>00</td>
</tr>
<tr>
<td>Foreign students</td>
<td>00</td>
<td>00</td>
<td>00</td>
<td>00</td>
<td>00</td>
</tr>
<tr>
<td>Total</td>
<td>2,614</td>
<td>204</td>
<td></td>
<td></td>
<td>2,818</td>
</tr>
</tbody>
</table>

25. Dropout rate in UG and PG (average of the last two batches)

UG 5% - 6%  
PG ≤1%

26. Unit Cost of Education
(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) including the salary component  
Rs. 31,569/-

(b) excluding the salary component  
Rs. 2,321/-

27. Does the college offer any programme/s in distance education mode (DEP)?

Yes  
No  

If yes,

a) is it a registered centre for offering distance education programmes of another University

Yes  
No  

Page | 40
b) Name of the University which has granted such registration.

NETAJI SUBHAS OPEN UNIVERSITY

c) Number of programmes offered\(^{10}\)  

21

d) Programmes carry the recognition of the Distance Education Council.

Yes  \(\surd\)  No  \(\boxed{\text{_____}}\)

28. Provide Teacher-student ratio for each of the programme/course offered

<table>
<thead>
<tr>
<th>Sl No.</th>
<th>Programme Level</th>
<th>Name of Programme /Course</th>
<th>No. of Registered Students(^{11})</th>
<th>No. of Teachers(^{12})</th>
<th>Teacher-Student Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>B.A. (Honours)</td>
<td>Bengali</td>
<td>206</td>
<td>12</td>
<td>1:17</td>
</tr>
<tr>
<td></td>
<td></td>
<td>English</td>
<td>222</td>
<td>6</td>
<td>1:37</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sanskrit</td>
<td>119</td>
<td>5</td>
<td>1:24</td>
</tr>
<tr>
<td></td>
<td></td>
<td>History(^{13})</td>
<td>197</td>
<td>4</td>
<td>1:49</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Philosophy</td>
<td>178</td>
<td>5</td>
<td>1:36</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Political Science</td>
<td>161</td>
<td>6</td>
<td>1:27</td>
</tr>
<tr>
<td>2.</td>
<td>B.Sc (Honours)</td>
<td>Physics</td>
<td>106</td>
<td>12</td>
<td>1:9</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chemistry</td>
<td>94</td>
<td>8</td>
<td>1:12</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mathematics</td>
<td>143</td>
<td>5</td>
<td>1:29</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Botany</td>
<td>91</td>
<td>10</td>
<td>1:9</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Zoology</td>
<td>122</td>
<td>12</td>
<td>1:10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Geography</td>
<td>152</td>
<td>6</td>
<td>1:25</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Economics</td>
<td>13</td>
<td>4</td>
<td>1:3</td>
</tr>
<tr>
<td>3.</td>
<td>B.A. (General)</td>
<td></td>
<td>987</td>
<td>15</td>
<td>1:66</td>
</tr>
<tr>
<td>4.</td>
<td>B.Sc. (General)</td>
<td></td>
<td>193</td>
<td>12</td>
<td>1:16</td>
</tr>
<tr>
<td>5.</td>
<td>PG (Arts)</td>
<td>Bengali</td>
<td>61</td>
<td>11</td>
<td>1:6</td>
</tr>
<tr>
<td>6.</td>
<td>PG (Science)</td>
<td>Botany</td>
<td>52</td>
<td>10</td>
<td>1:5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Zoology</td>
<td>49</td>
<td>17</td>
<td>1:3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Physics</td>
<td>41</td>
<td>12</td>
<td>1:4</td>
</tr>
</tbody>
</table>

\(^{10}\) NSOU offers 9 UG level course programmes and 10 PG level course programmes. Along with these it also offers Bachelor degree and Master degree in Library and Information Science (BLIS and MLIS).

\(^{11}\) Those UG students who have completed the registration process between the 2012-13 and 2014-15 academic sessions (i.e. last three years) have been taken into consideration. For PG students, this is with regard to the students completing registration between 2013-14 and 2014-15 (i.e. last two years).

\(^{12}\) Includes both full-time and part-time teachers of the Department at the beginning of 2014-15 session. For PG programmes, Guest Teachers have also been taken into consideration.

\(^{13}\) At the beginning of 2014-15 session, this Department had full faculty strength. However, two newly recruited teachers were transferred on 08.06.2015.
29. Is the college applying for

Accreditation:   Cycle 1   Cycle 2   Cycle 3   Cycle 4  

Re-Assessment:   

(Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re-accreditation)

30. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

  Cycle 1:  30.09.2009 (dd/mm/yyyy) Accreditation Outcome/Result **CGPA of 2.60 of four point scale at B grade***.
  Cycle 2:  N.A. (dd/mm/yyyy) Accreditation Outcome/Result N.A.
  Cycle 3:  N.A. (dd/mm/yyyy) Accreditation Outcome/Result N.A.

(*Copy of accreditation certificate(s) and peer team report(s) enclosed in Annexure)

31. Number of working days during the last academic year.14  198

32. Number of teaching days during the last academic year.

  (Teaching days means days on which lectures were engaged excluding the examination days)

33. Date of establishment of Internal Quality Assurance Cell (IQAC):

  06.01.2010 (dd/mm/yyyy)

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.

  AQAR (i) (2010-11) 21.07.2015 (dd/mm/yyyy)
  AQAR (ii) (2011-12) 21.07.2015 (dd/mm/yyyy)
  AQAR (iii) (2012-13) 23.07.2015 (dd/mm/yyyy)

35. Any other relevant data (not covered above) the college would like to include. (Do not include explanatory/descriptive information)

14 The PG Departments remain open for teaching-learning-evaluation process even during vacations. Hence the number of working days and teaching days are higher for the PG Departments.
PART-D

CRITERION-WISE EVALUATIVE REPORTS
CRITERION - I

CURRICULAR ASPECTS
1.1 Curriculum Planning and Implementation

1.1.1 State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.

**VISION**
To inculcate an urge for knowledge and enlightenment in the younger generation so that they can be ready to participate in the Nation’s development, adding to its welfare, progress, security and environmental protection.

**MISSION**

i. To follow up its glorious tradition of excellent academic performances, inclusive growth as well as quality assurances with equal opportunities.

ii. To increase female participation in the field of higher education as a part of the legacy of this town.

iii. To provide access to higher education to a greater number of students particularly from the weaker sections, irrespective of religion, caste or creed through formal and non-formal (distant learning) mode without compromising with quality.

iv. To impart quality based higher education with a view to acquiring knowledge and developing skills among the students to generate new vistas of resources for the country.

v. To develop knowledge of liberal arts, basic sciences, biological sciences, social sciences, physical education and other multi-disciplinary courses of modern relevance.

vi. To develop a responsible, sensitive youth force who have social commitments for the greater section of society at large.

vii. To lay emphasis on value education so that the students would become worthy citizens with noble ideals of serving their country.

viii. To promote analytical and empirical research and micro-studies in basic and social sciences, and humanities with special emphasis on the needs and problems of the allied areas.

ix. To ensure accountability to the society and create accountability at all levels.

x. To build up a general environmental awareness and a community feeling for the locality at the micro level along with the current ecological consciousness on the global issues at the macro level.
GOAL

- Advancement of learning through the use of modern teaching aids.
- Provision of need based higher education to cope with the changing requirements of society.
- Attainment of academic excellence.

The College communicates its vision, mission, and objectives to the various internal and external stakeholders through the College prospectus, College website, the mobile application of the College, and other media forms. Outreach programmes are also organized to communicate the policy and goal of the institution to various stakeholders of the community. Local schools are encouraged to send their students to our College, whereby they can familiarize themselves with the vision of the institution. Various Government agencies are requested to organize socially relevant programmes in partnership with the College, thus ensuring the spread of the institutional objectives to a larger populace.

1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

- For the undergraduate programmes under Science and Arts faculty the institution follows the curriculum set by the affiliating university i.e. West Bengal State University. On the other hand, in Post Graduate programmes the departments have academic autonomy to design and implement their course curriculum based on societal needs and to cope with the cutting edge technology.

- The UG courses are modelled on a 3-tier (1+1+1) examination pattern as fixed by the University. The College follows such directives in preparing academic calendars and conducting its UG classes. Apart from the formal Test Examination for screening of students before they are sent-up in University examination, the Departments have their own mechanism for continuous evaluation of students through regular class tests, students’ seminars, quiz, surprise test etc.

- The students are asked to consult the study material fixed by the University for specific courses and the advanced learners are provided with additional reference materials. Use of internet and self-learning methods are promoted. Practical and
demonstrative teaching is undertaken in practical based subjects. Field based subjects organize educational excursions.

- Teachers recommend the use of e-resources in every subject. E-classroom facilities have been established to augment the qualitative output. Often lectures are delivered with power point presentations. Visual screening and audio sessions are arranged whenever necessary for every subject. Humanities departments screen movies related to the subject matter, in order to generate greater interest among students.

- All faculty members are requested to submit a lesson plan to their respective HoD, who in turn are entrusted to review course completion targets on regular basis.

- Students are inspired to contribute to the departmental wall magazines and College journal. Participation of students in classroom seminars are ensured. They are also encouraged to participate in seminars and conferences and other co-curricular competitions which are held outside the college. Remedial classes are held beyond the stipulated class routine. Special classes are arranged for slow learners.

- For the postgraduate programme, the departments follow a semester system where revision of syllabus and introduction of new specialized disciplines are done on a regular basis. Eminent faculties are associated with the College in the capacity of Guest Lecturer for delivering lectures on different special papers of PG programme. Special seminars are arranged to create an environment of interactive learning. Special laboratory facilities are provided to PG students to introduce research orientation among them.

1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?

The University organizes workshops where teachers are invited to discuss the propositions regarding curricula changes, its applicability and other teaching processes, evaluation patterns etc. Teachers are also regularly involved in the academic process of the University through functions like paper-setting, moderation, script evaluation, acting as Head Examiners etc. They can exchange and share opinion among their peer groups through such forums.

The institution implements the recommendation of the teaching faculty regarding academic and infrastructural facilities. Grants for books and equipment are utilized in consultation with
the teachers. State-of-the-art laboratories are set up to meet curriculum related needs of PG programmes. Library facilities are augmented with newer additions of books, e-journals, e-journals etc. E-classroom facilities, along with laptop and desktop facilities are provided to the teachers and the students. Other infrastructural and logistical support is made available by the institution for the teachers.

1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.

- The physical infrastructure of the institution has been augmented to improve the curriculum delivery system. For example, power outage was a frequent phenomenon in the institution few years ago. Now the College has installed a silent auto-start pollution free DG Set of 50kVA capacity. Again, the Central Library has been refurbished and been made air-conditioned, so that students can utilize the facility under optimal environment.

- The College is careful in improving the academic environment. Seminars and special lectures are a regular feature in the academic calendar. Supplementary facilities such as career counselling, yoga, community orientation etc. are provided to the students.

- Logistical support for teaching-learning and research facilities are provided by the institution. E-classrooms have been set up to enable lectures through power-point.

- Remedial classes and tutorials are arranged for the slow learners. Advanced students are mentored properly so that they can utilize the opportunities ahead of them.

- Computer courses are imparted to the UG first year students so that the digital divide can be breached. Self-learning methods and career oriented soft-skills are also offered to the students, so that they can cope with their future progression.

On the other hand, the PG curricula are distinctive in nature and have very scientific inter-related theory-practical structure. The detail initiatives undertaken by the PG Departments are being chronicled below.

- **Post Graduate Department of Bengali:** The P.G. syllabus of Bengali continues to maintain its strength in traditional areas like History of Literature, Medieval Bengali literature, 19th century study, Modern literature, Drama, and Fiction. Students are exposed simultaneously to aesthetics, philosophy, linguistic, and comparative
literature. The thrust area includes: - Tagore literature (Rabindra Sahitya) and Modern Fiction (Katha sahitya). The research activities of the Department are a corollary of the subjects offered at PG level. Term paper, presentation and a dissertation in the final semester form part of the core curriculum, encouraging research orientation and critical writing skills. Department organizes special talk on various area of syllabus. PG syllabus is being remodeled every fourth year.

- **Post Graduate Department of Physics:** The syllabus for Physics was substantially revised in 2012 in the light of the experience gained from implementing the course curriculum in previous years and from the formal and informal feedback gained from students, teachers and employers. Further revision was undertaken to introduce project work in the last semester. Among notable offerings of the department, an advanced course on Electronics forms a special paper. There is also a plan to offer High Energy Physics from the next academic session. The curricula are shuffled and modified when there is a need.

- **Post Graduate Department of Zoology:** In this department there is scope to inculcate critical thinking and independent research orientation. A set of two term papers, seminar lecture and a dissertation paper is part of the core curricula. Field study, lab and industry visit etc. are also part of different special papers.

- **Post Graduate Department of Botany:** The syllabus of all papers of this department is remodeled biennially in consultation with the external members of PG Board of Studies. Formal and informal feedback from students and teachers are also considered in this regard. For example, Microbiology was introduced as a special paper in 2012. The thrust areas are: Taxonomy of Angiosperms and Biosystematics, Ecology, Plant Physiology, Biochemistry and Molecular Biology, Mycology and Plant pathology, Microbiology and Cytology, Genetics and Genomics. Field studies etc. are also part of different special papers. There is a dissertation paper which encourages research and critical writing skills and ensures career progression of the pupils. Students get the exposure of working with sophisticated instruments like Gel Documentation System, Thermocycler, UV-Visible spectrophotometer, Cold Centrifuge, DNA and Protein gel electrophoresis system, lyophilizer etc. on regular basis.
1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalization of the curriculum?

The faculties of different Departments have formal and informal networks and academic linkages with Universities and Research Institutions of national and international repute. These networks are utilized in publishing papers, supervising PhD students, organizing student interactions etc. They also actively participate in the various interactive sessions, workshops and seminars organized by such academic bodies.

**Table 1.1: List of faculty members supervising scholars in collaboration with other Institutes**

<table>
<thead>
<tr>
<th>Name of the Faculty of the College</th>
<th>Name of Research Scholar</th>
<th>Affiliating Institute/ Joint Supervisor</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Madhumita Manna</td>
<td>Dr. Sanchita Datta</td>
<td>Jadavpur University, Prof. R. Bhar</td>
<td>PhD Degree awarded in July 2014</td>
</tr>
<tr>
<td></td>
<td>Supriya Khanra</td>
<td>Jadavpur University, Prof. Parimal Karmakar</td>
<td>Submitted Thesis on 27.02.15</td>
</tr>
<tr>
<td></td>
<td>Sangita Lahiry</td>
<td>Jadavpur University</td>
<td>Cleared Ret Exam, held on 05.08.14</td>
</tr>
<tr>
<td></td>
<td>Piyali Das, MBBS</td>
<td>West Bengal University of Health Science</td>
<td>Registered for PhD</td>
</tr>
<tr>
<td>Dr. Debajyoti Chakrabarty</td>
<td>Dr. Himadri Pal</td>
<td>Sringhania University, Rajasthan</td>
<td>PhD degree awarded on 05.03.2014.</td>
</tr>
<tr>
<td>Dr. Sanjoy Podder</td>
<td>Shampa Dutta</td>
<td>University of Calcutta</td>
<td>Acting as Associate Supervisor</td>
</tr>
<tr>
<td>Dr. Paramita Nandy (Datta)</td>
<td>Dr. Nirjhar Dasgupta</td>
<td>University of Kalyani/ Prof. Chandan Sengupta</td>
<td>PhD degree awarded in 2014</td>
</tr>
<tr>
<td>Dr. Nirmalendu Das</td>
<td>Protik Chowdhury</td>
<td>North Bengal University/ Prof Biswanath Chakrabarty</td>
<td>PhD Programme</td>
</tr>
<tr>
<td>Prof. Pradip Mukherjee</td>
<td>Dr. Anirban Saha</td>
<td>University of Calcutta</td>
<td>He was a CSIR fellow</td>
</tr>
<tr>
<td></td>
<td>Dr. Biswajit Pal</td>
<td>University of Calcutta, Prof. Rabin Banerjee</td>
<td>He was a CSIR fellow</td>
</tr>
<tr>
<td></td>
<td>Arpita Mitra</td>
<td>University of Calcutta, Prof. Rabin Banerjee</td>
<td></td>
</tr>
<tr>
<td>Dr. Rajnarayan Gupta</td>
<td>Dr. Prosenjit Ghosh</td>
<td>Jadavpur University</td>
<td>PhD degree awarded in 2012</td>
</tr>
</tbody>
</table>

- Dr. Madhumita Manna has research collaboration with Gauhati Medical College, Assam, National Medical College, Kolkata, Saha Institute of Nuclear Physics, Kolkata, Indian Institute of Chemical Biology, Kolkata, UGC-DAE Kolkata center.
- Dr. Sanjay Poddar has collaboration with Presidency University and University of Calcutta.
- Dr. Paramita Nandy (Dutta) has had academic collaboration with the biological sciences division of Indian Statistical Institute, Kolkata.
Dr. Nirmalendu Das has completed a DST project jointly in collaboration with Dr. Biswadeb Bishayi, Professor, Department of Human Physiology, University of Calcutta. Additionally, he has published papers in collaboration with Professor Chandan Sengupta, Department of Botany, University of Kalyani and Dr. Tanima Saha, Assistant Professor, Department of Bio-technology, University of Kalyani. He has collaborative work with Uttar Banga Krishi Vishwavidyalaya (UVKV) and IISER.

Dr. Subhra Talai is undertaking research activities and publishing papers in collaboration with Dr. Mousumi Poddar Sarkar, Associate Professor, Department of Botany, University of Calcutta. She has also completed a ‘Short Term Visit of Young Faculty Member to reputed institutions of UGC, 12th Plan – at Department of Botany, University of Calcutta between 24th September and 11th November 2014.

Certain departments also organize industry visits for its final year students to provide them proper exposure. The Career Counselling cell engages persons from industry and other professional bodies to develop students with soft skills. Career oriented courses are run here.

1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University? (Number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stake holder feedback provided, specific suggestions etc.

A number of representatives from this institution have served in the UG Board of Studies of West Bengal State University. Details of their tenures are listed below.

Table 1.2: Select faculty members who have served as member in Board of Studies of WBSU

<table>
<thead>
<tr>
<th>Name of the teacher</th>
<th>Discipline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Pijush Kanti Saha</td>
<td>Zoology</td>
</tr>
<tr>
<td>Dr. Tarun Kumar Mondal</td>
<td>Bengali</td>
</tr>
<tr>
<td>Dr. Tapashree Chattopadhyay</td>
<td>Bengali</td>
</tr>
<tr>
<td>Dr. Sanat Kumar Saha</td>
<td>Chemistry</td>
</tr>
<tr>
<td>Dr. Debashree Dutta</td>
<td>Philosophy</td>
</tr>
<tr>
<td>Tamonash Chakraborty</td>
<td>Sanskrit</td>
</tr>
<tr>
<td>Md. Abdur Rafik Sardar</td>
<td>Bengali</td>
</tr>
<tr>
<td>Dr. Gurudas Ghosh</td>
<td>Mathematics</td>
</tr>
<tr>
<td>Dr. Narayan Saha</td>
<td>History</td>
</tr>
</tbody>
</table>
Apart from these formal involvements, the departments also send representatives to the curriculum oriented workshops organized by the University. In this regard, teachers of various Departments participated in comprehensive workshops organized by West Bengal State University in 2012-13 academic session, to finalize the course module, model questions, reference materials etc. of different UG courses.

Formal and informal feedback from various stakeholders such as the students, teachers, parents and other peers on implementation of course curriculum, examination pattern etc. are analyzed by the Departments and useful suggestions are assimilated and are put forward to the respective BoS of the University for appropriation of the curriculum.

Teachers are also regularly involved in the teaching cum assessment process of the University through functions like paper-setting, moderation, script evaluation, acting as Head Examiners etc. Through such indirect and informal process, they do propose to the members of Board of Studies certain incremental changes in the syllabus or examination pattern.

For PG departments, all teachers of the department are member of the PG Board of Studies and they contribute substantially in preparation of course curriculum.

1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If ‘yes’, give details on the process (‘Needs Assessment’, design, development and planning) and the courses for which the curriculum has been developed.

The options for curriculum development for courses outside the purview of the affiliating University are yet to be explored by the College.

1.1.8 How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?

Results of students are analyzed by the Result Review committee and placed in the Teachers’ Council meetings. Departmental meetings are held with respect to class tests or unit tests, and for ‘Test Examination’ Teachers’ Council meetings are utilized to review the pattern of examination results. Faculties of every department also carefully study the students’ feedback
to assess their own performances. The slow learners are identified and are provided with remedial coaching. The teachers also actively contact the guardians about the academic progress of their ward. Incentives are arranged by the institution in the form of tuition fee-waiver scheme, various types of scholarships etc. so as to encourage the under privileged students to continue their studies. The institution also takes care to maintain a healthy teacher-student ratio and to minimize the unit cost of education.

1.2 Academic Flexibility

1.2.1 Specifying the goals and objectives give details of the certificate/diploma/skill development courses etc., offered by the institution.

The College has a formal structure of teaching-learning-evaluation process, which corresponds to the model patterns set by the affiliating University. However, the College is fully aware that the students need to imbibe certain professional and life-skills to cope with the demands of their later career. Therefore, the College has undertaken few measures.

- UG first year students of this College undertake a compulsory computer course, where the College has partnered with the local Centre of National Institute of Electronics & Information Technology (NIELIT), an autonomous body under the Department of Information Technology, Govt. of India. Provision for such classes were incorporated within the class-routine of the under-graduate first year students, thus ensuring digital empowerment.

- ‘Entry-in-Services programme’, under UGC XIIth Plan for SC/ST/OBC (Non-Creamy Layer) and Minority candidates who have completed Bachelor’s Degree/H.S or Madhyamik, is one endeavor which has run successfully in this College. Many teachers have imparted professional and life-skills to many aspirants from weaker sections of the society. Till date, nearly 330 career aspirants have enrolled in this programme meant to impart job-oriented coaching. Thus the College is active in catering to the placement related needs of the larger sections of its students.

- The college has a unit of Netaji Subhas Open University which caters to the adult and continuing education. It offers 9 UG level course programmes and 10 PG level course programmes. Along with these it also offers Bachelor degree and Master degree in Library and Information Science (BLIS and MLIS).
Table 1.3: Data for UGC Entry-in-Services Programme (October, 2012 to September, 2013)

<table>
<thead>
<tr>
<th>Coaching for the entry in Services</th>
<th>No. of Students Enrolled</th>
<th>Teachers engaged</th>
<th>No. of Contact Hours</th>
<th>No. of test taken</th>
<th>No. of typed material given to students</th>
<th>Results of Examinations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clerical and P.O, Rail, Bank, P.S.C, LIC, Staff Selection Commission</td>
<td>SC 86</td>
<td>ST 36</td>
<td>OBC (NCL) 55</td>
<td>Minority 60</td>
<td>5</td>
<td>300</td>
</tr>
<tr>
<td>School Service Commission</td>
<td>SC 25</td>
<td>ST 01</td>
<td>OBC (NCL) 24</td>
<td>Minority 36</td>
<td>6</td>
<td>244</td>
</tr>
<tr>
<td>Total</td>
<td>111</td>
<td>37</td>
<td>79</td>
<td>96</td>
<td>11</td>
<td>544</td>
</tr>
</tbody>
</table>

1.2.2 Does the institution offer programmes that facilitate twinning/dual degree? If ‘yes’, give details.

Currently the college does not offer such dual degree at the PG or UG level, as the stipulations of West Bengal State University is yet to accommodate such dual degree. However, on the research front the College is one of the collaborating institutes along with Gauhati Medical College, Assam and Calcutta National Medical College, Kolkata in the project titled “Direct diagnosis and characterization of the causal agents of Kala-azar from North-East and Eastern region of India by molecular methods”, funded by Department of Biotechnology, Govt. of India [DBT TWINNING Programme for NE]. In this regard, a Memorandum of Agreement between Department of Bio-technology, Ministry of Science and Technology, Government of India and the College was made on 06.03.2013. Thus the scope for exchange of research scholars under this twining programme is ensured.

* As per available information. This number may be higher.
1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond:

- **Range of Core/Elective options offered by the University and those opted by the college**

The Core subjects that are taught at the UG level are:

- ✓ English, Bengali, Sanskrit, History, Philosophy, Political Science in B.A. (Honours).
- ✓ Physics, Chemistry, Mathematics, Botany, Zoology, Economics and Geography in B.Sc. (Honours).

### Table 1.4: Combination of subsidiary subject offered with Honours subjects

<table>
<thead>
<tr>
<th>Honours Subject</th>
<th>Combination of subsidiary subjects allowed (SET-1)</th>
<th>Combination of subsidiary subjects allowed (SET-2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bengali</td>
<td>Sanskrit/Philosophy/English</td>
<td>History/Political Science</td>
</tr>
<tr>
<td>English</td>
<td>Bengali/Philosophy/Economics</td>
<td>History/Political Science</td>
</tr>
<tr>
<td>Sanskrit</td>
<td>Bengali/Philosophy</td>
<td>History/Political Science</td>
</tr>
<tr>
<td>History</td>
<td>English/Bengali/Economics</td>
<td>Philosophy/Political Science</td>
</tr>
<tr>
<td>Philosophy</td>
<td>English/Bengali/Sanskrit</td>
<td>History/Political Science</td>
</tr>
<tr>
<td>Political Science</td>
<td>English/Bengali/Economics</td>
<td>Philosophy/History</td>
</tr>
<tr>
<td>Physics</td>
<td>Chemistry</td>
<td>Mathematics</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Physics</td>
<td>Mathematics</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Physics</td>
<td>Chemistry</td>
</tr>
<tr>
<td>Botany</td>
<td>Zoology</td>
<td>Chemistry</td>
</tr>
<tr>
<td>Zoology</td>
<td>Botany</td>
<td>Chemistry</td>
</tr>
<tr>
<td>Geography</td>
<td>Economics</td>
<td>Mathematics/Political Science</td>
</tr>
<tr>
<td>Economics</td>
<td>Mathematics</td>
<td>Physics/Political Science</td>
</tr>
</tbody>
</table>

In addition, the college offers B.A. and B.Sc. General Degree Courses. The subjects are:

<table>
<thead>
<tr>
<th>Course</th>
<th>Subjects offered (Any Three)</th>
</tr>
</thead>
</table>

- In all UG courses, Environmental Science is included as a compulsory subject.
The college also runs semester based PG courses in four subjects, i.e. Bengali, Physics, Zoology and Botany where the College has academic autonomy. For the PG course, students are admitted on a 60:40 ratio as per the orders of the Government, whereby 60% seats are earmarked for UG students of different colleges of West Bengal State University and are filled on merit basis. Rest of the 40% seats are open and those are filled up through admission tests conducted by respective Departments. Therefore progression to higher studies and academic mobility for the UG students of this College is hereby ensured.

There is flexibility in designing the curriculum in PG courses. New and upcoming fields of study are included as special papers. For example, Microbiology is being offered as a special paper to the PG students of Botany on popular demand.

- **Choice Based Credit System and range of subject options** – The present system of teaching-learning-evaluation is trying to explore the choice based credit system (CBCS). IQAC of the College is consulting the ‘UGC Guidelines on Choice Based Credit System’ in all earnestness, to introduce the CBCS in near future. However, such efforts need to be elevated to the realm of inter-disciplinary studies and the guidance and approval of the University is important in this regard.

- **Courses offered in modular form** – For the UG level, the option of offering courses in modular form in dependent on the patterns fixed by the University. Syllabus of some of the UG departments do reflect a pattern whereby the papers are sub-divided in several units. But there is lack of uniformity in the system and the same is communicated by the Departments to the University. On the other hand, the PG syllabi are in modular form.

- **Credit transfer and accumulation facility** – This option of flexibility is yet to be offered under West Bengal State University, hence currently the College is not in a position to introduce the same. However, this system of mobility and flexibility is under active consideration of the College and proposals are being sent to the University in this regard.

- **Lateral and vertical mobility within and across programmes and Course** – Vertical mobility of the UG students of four departments (Bengali, Botany, Physics and Zoology) are taken care of by the institution itself, as these Departments offer PG courses. Soon
new PG course in Chemistry is going to be introduced, increasing the scope for such vertical mobility. Lateral mobility is an aspect which is under the consideration of the College. However, active cooperation from the University will be required to implement the same.

- **Enrichment courses** – There are several ways in which value orientation, soft skills and life-skills are being imparted to the students of the College. Establishing active links with the society through outreach programmes help the students gain self-sufficiency.
  - Compulsory computer courses for UG first year students have helped to breach the digital divide. Along with this, several career counselling and group-discussion sessions have helped the students to strengthen their soft-skills.
  - Seminar on Human rights was organized on 15th December, 2014 and the students participated and presented papers on human rights to mark this occasion. Also one day seminar on protection of child rights was organized in March, 2015. These programmes created a general awareness on the rights discourse among the students.
  - Special programmes were organized to commemorate birth anniversary of eminent personalities such as Swami Vivekananda, Sardar Vallavbhai Patel, Dr. B.R. Ambedkar. Also special and interactive sessions related to ‘Ethics’ have been arranged to promote value orientation among the students in particular.
  - An awareness programme on “The Problems of Inclusion in the Higher Education for Persons with Disabilities” was organized on 21st September 2012. Again, on 27th March 2015, a short seminar was arranged on “The Role of Mass Media in Creating Social Awareness for the Differently Able”. These have helped to foment a strong bond on the lines of institutional social responsibility.

1.2.4 **Does the institution offer self-financed programmes?** If ‘yes’, list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

This being a Government College under the direct stewardship of the Higher Education Department, Govt. of West Bengal, self-financed programmes are outside our purview.
1.2.5. Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If ‘yes’ provide details of such programme and the beneficiaries.

The college has successfully conducted UGC ‘Entry-in-Service programme’ to impart job-oriented coaching to the meritorious but under privileged students. In consonance with the mandate for inclusive education, efforts of the College to ensure equity and social harmony can count as a small contribution. The beneficiaries of such programme are as follows:

**Table 1.5: List of Successful Candidates from ‘UGC Entry-in-Service Programme’**

<table>
<thead>
<tr>
<th>Name</th>
<th>Category</th>
<th>Gender</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suparna Roy</td>
<td>SC</td>
<td>Female</td>
<td>Selected IBPS CWE Clerkship Exam</td>
</tr>
<tr>
<td>Krishanu Mondal</td>
<td>SC</td>
<td>Male</td>
<td>Selected IBPS CWE Clerkship Exam</td>
</tr>
<tr>
<td>Debasis Sarkar</td>
<td>SC</td>
<td>Male</td>
<td>Selected for interview of Multi-Tasking staff</td>
</tr>
<tr>
<td>Piyali Roy</td>
<td>SC</td>
<td>Female</td>
<td>Selected as Assistant Teacher</td>
</tr>
<tr>
<td>Joydev Saha</td>
<td>SC</td>
<td>Male</td>
<td>Selected as Assistant Teacher</td>
</tr>
<tr>
<td>Samir Halder</td>
<td>SC</td>
<td>Male</td>
<td>Selected as Assistant Teacher</td>
</tr>
<tr>
<td>Krishanu Mondal</td>
<td>SC</td>
<td>Male</td>
<td>Selected as Clerk in High School</td>
</tr>
<tr>
<td>Debasis Sarkar</td>
<td>SC</td>
<td>Male</td>
<td>Selected for interview of Calcutta Police</td>
</tr>
<tr>
<td>Rathin Jana</td>
<td>SC</td>
<td>Male</td>
<td>Selected as Primary School Teacher</td>
</tr>
<tr>
<td>Suraj Halder</td>
<td>SC</td>
<td>Male</td>
<td>Selected as Primary School Teacher</td>
</tr>
<tr>
<td>Tamanna Barui</td>
<td>SC</td>
<td>Female</td>
<td>Selected in Central Govt. Service</td>
</tr>
<tr>
<td>Sahana Roy</td>
<td>SC</td>
<td>Female</td>
<td>Selected in Indian Railways</td>
</tr>
</tbody>
</table>

Additionally, the Career Counselling Cell of the College has tried to bridge the gap between campus and industry in a vigorous way. Career fairs, counselling sessions, group discussion, skill development programmes etc. have organized to build a professional outlook among the students. Sessions with employers from the industry have improved their job prospect.

Last but not the least, the compulsory Computer Course for UG first year students, which the institution has instituted in partnership with NIELIT, a recognized agency of Govt. of India, in tune with the ‘Digital India 2020’ campaign, which aims to empower the students through computer skills and equip them for global employment markets.
1.2.6. Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice” If ‘yes’, how does the institution take advantage of such provision for the benefit of students?

Under the existing system, the university does not provide such opportunity of combining face-to-face mode with distance mode of learning. However, the College fully appreciates the potential for such flexibility in courses. Through an on-campus study center of Netaji Subhash Open University, the need for distance mode of education has been handled efficiently. It offers the window for flexibility in course alternatives through disciplines like Library and Information System (BLIS and MLIS), Social Work (MSW) etc.

1.3. CURRICULUM ENRICHMENT

1.3.1. Describe the efforts made by the institution to supplement the University’s Curriculum to ensure that the academic programmes and Institution’s goals and objectives are integrated?

The vision and mission statements of the institution reflect a broad mandate for inclusive education. To fulfill this objective, the College has endeavored to ensure justice at the administrative level and integrity in academic aspects. Various value oriented programmes and community outreach programmes are organized at regular interval, to supplement the University curriculum. Efforts at promotion of eco-friendly good practices, sustenance of rights discourse, democratic consensus building through Students’ forums etc. – are necessary knowledge inputs outside the purview of regular curriculum. Students’ seminars, debate, quiz, sports and other such co-curricular aspects create a milieu for holistic education.

While staying within the broad contours of the curriculum, teachers try to ensure that students remain aware about the recent developments in the subject as well as in the society. At the PG level the institution has academic autonomy and the syllabi of the PG departments emphasize on development of research and analytical aptitude of the students. The PG syllabi are modified regularly in order to increase the employability quotient of the students.
1.3.2. What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?

Apart from the activities through the Career Counselling Cell, students are also groomed by the teachers on a daily basis. The teachers lay stress on critical thinking and encourage the students to come up with original ideas. In the disciplines of social science the students are encouraged to understand and analyze current socio economic issues.

The students are stimulated to strengthen their soft skills and communicative skills. The career options available with the discipline are outlined by individual departments at the very outset of the academic session. Various career oriented magazines and journals are subscribed in the College library for the benefit of the students.

The PG departments maintain contacts with the industry and research institutions. The syllabi of all the PG departments are regularly updated and new specialized disciplines are introduced on a regular basis to suit the changing needs of the dynamic job market.

![Photograph 1.1: Noted educationist Prof. Samir K. Brahmachari providing valuable inputs in an interactive session with the Teachers of the College.](image)

1.3.3. Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?

- Scope for integrating many of these cross-cutting issues is available in the course curriculum of various disciplines. Themes related to Gender studies and Human
Rights are specifically taught under disciplines like Political Science, English and History. Climate change and disaster management are extensively dealt with by the students and teachers of Geography. Environmental Education falls within the realm of Zoology and Botany. Use of ICT in curriculum delivery is practiced by all the Departments. Apart from these curriculum oriented practices, there has also been several measures to highlight these cross-cutting issues.

- Gender is often understood as a constructed identity. To make the on-campus and off-campus activities gender-inclusive and gender-neutral, the College has taken certain initiatives. Seminars have been organized in collaboration with ‘Sappho for Equality’, to promote gender-neutrality. Again, the Internal Complaints Committee has been active to promote gender sensitivity. A national seminar on ‘Women and Literature’ was organized to disseminate a gendered narrative on literary aspects.

- To sensitize the pupils about the perils of climate change, documentary film shows relevant to the theme have been screened. Also awareness drives on Uttarakhand flash-flood have been arranged by teachers of the Geography department.

- The College has an Environment Protection and Nature Cell and carries out several initiatives to spread eco-consciousness among several stakeholders through the Cell. Lectures have been organized to increase awareness on water conservation through rainwater harvesting. Environmental Science has been an integral part of the UG syllabi for all subjects.

- Awareness programme on Human Rights has been organized on occasion of Human Rights day. Students’ seminar has also been held on this occasion. Interactive programmes on ‘Protection of Child Rights’ have been arranged by the College. In general, the rights discourse in championed through institutional efforts.

- The Annex building has been made Wi-Fi enabled and implementation of Campus-Wi-Fi network is on the anvil. On academic fronts, e-class rooms have been set up. Internet facilities have been extended to all the departments and the Central Library. Also sophisticated software like 21st century, GEOMATICA, Q-GIS, MATLAB, OCTAVE etc. are used in various Departments. Overall, the use of ICT for the teaching-learning process is encouraged by College.
1.3.4. What are the various value-added courses/enrichment programmes offered to ensure holistic development of students?

- **Moral and ethical values:** Value education, Seminar on communal harmony, rural developments etc. are held regularly.

- **Employable and life skills:** Under UGC Entry-in-Services programme, job oriented courses for competitive examinations like clerical and P.O. for Rail, Bank, U.P.S.C, P.S.C, LIC, Staff Selection Commission, School Service Commission etc. have been arranged for the students.

- **Better career options:** The Career Counselling Cells organize workshops to make the students aware of the various career options available to them.

- **Community orientation:** NSS activities, Organization of Seminars & College fest, Freshers’ welcome, Saraswati Puja, Blood donation camps are held in every year. Health awareness programmes like Thalassemia screening and talks on health risks are held.

1.3.5. **Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?**

Regular student’s feedbacks are taken and teachers evaluate themselves on the basis of those feedbacks. However, the scope for curriculum enrichment at UG level is limited. Yet, certain methodical adjustments in curriculum implementation have been introduced as per the feedback of the students. Introduction of inventive aspects like debates, film screening, students’ seminars etc. have increased the academic interest of students.

Formal and informal feedback from various stakeholders such as the students, teachers, parents and other peers on implementation of course curriculum, examination pattern etc. are analyzed by the Departments and useful suggestions are assimilated and are put forward to the respective BoS of the University. Teachers are also regularly involved in the teaching cum assessment process of the University through various functions. Through such indirect and informal process, they do propose to the members of Board of Studies certain incremental changes in the syllabus or examination pattern.

The BoS of the PG departments regularly update their syllabus and introduce new courses on the basis of feedback received from the students and teachers. For example, Microbiology as a special paper was introduced in PG department of Botany on the basis of popular demand. Again, the College seeks feedback from the parents to judge the effectiveness on the teaching-learning-evaluation process and necessary adjustments are accommodated.
1.3.6. How does the institution monitor and evaluate the quality of its enrichment programmes?

The IQAC and Governing body are always vigilant about the sustenance of quality of the different enrichment programmes and try to accommodate various suggestions for improvement. Community oriented activities are organized regularly and these programmes are useful in disseminating the quality of enrichment.

1.4 FEEDBACK SYSTEM

1.4.1. What are the contributions of the institution in the design and development of the curriculum prepared by the University?

The autonomy to design syllabus at the undergraduate level is currently out of the purview of the College. However, teachers of the college have always responded positively to any call for change in the syllabus. The teachers regularly interact with the Board of Studies of the University and provide their suggestions regarding design and development of the curriculum. Some of the teachers are also members of the Board of Studies.

The teachers of the college also act as paper setters, moderators and examiners in University examination. This informal network acts as a platform for sharing of opinions and suggestions. The Departmental Heads send reports regarding receptivity of students for the UG syllabus and suggests incremental modifications to the same.

The PG Departments have academic autonomy to design the curriculum and examination pattern. The syllabi of the PG departments lay emphasis on development of analytical and research oriented skills among students. The departments also regularly update their syllabus to improve the employment prospects of the students.

1.4.2. Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If ‘yes’, how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programmes?

Students are provided with feedback form to indicate their opinion on the teaching process and methods in the curriculum (kindly see Table 1.6). However, the feedback from the students cannot be directly used by the teachers to modify the UG curriculum. But the teachers try to discuss the suggestions derived from the students in the departmental meetings and intimate the Board of Studies of WBSU regarding pertinent points. On the basis of the suggestions received from the students through formal and informal feedback, the teachers try to improve their mode of teaching and accommodate new contents in their lectures so as to meet the requirements of the students.
Photograph 1.2: A departmental Parent-Teacher Meeting in progress

Photograph 1.3: Seminar on cross-cutting issues such as Protection of Child Rights being organized in the College
1.4.3 How many new programmes/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes?

PG courses have been introduced in the departments of Bengali, Physics and Zoology. As the West Bengal State University has a limited number of seats and cannot accommodate all the students aspiring for postgraduate studies, PG courses has been introduced in the college in the subjects mentioned above to cater to the increasing demand for higher studies. Also new PG course in Chemistry will be commenced shortly, as the same has been approved by WBSU.

Any other relevant information regarding curricular aspects which the college would like to include.

The college authority is considering the feasibility of introducing short bridge/introductory courses for undergraduate students. These would address specific course requirements, such as language training for Language students, brief introductory courses on Political Science and Philosophy and a Mathematical grooming session for Science students. These courses would supplement the regular courses and would help to eradicate the knowledge gap that exists due to diversity of academic/socio-economic background of students. Both College teachers and external resource persons can be involved to conduct these courses.
<table>
<thead>
<tr>
<th>Table 1.6: Template of a Teachers’ Evaluation Form supplied to the Students</th>
</tr>
</thead>
</table>
| **Name of the Teacher**  
(To be filled by the Department) | Dr./Mr./Mrs./Ms. | Dr./Mr./Mrs./Ms. | Dr./Mr./Mrs./Ms. | Dr./Mr./Mrs./Ms. | Dr./Mr./Mrs./Ms. |
| **Areas/Paper(s) Taught by the Teacher**  
(To be filled by the Dept.) |  |  |  |  |  |
| **Attendance of the Teacher** |  |  |  |  |  |
| **Punctuality of the Teacher** |  |  |  |  |  |
| **Teaching Methods Used**  
(Please use tick mark (✓)) | Lecture | Lecture | Lecture | Lecture | Lecture |
| a) Lecture Method | Black board | Black board | Black board | Black board | Black board |
| b) Black board Method | Electronic | Electronic | Electronic | Electronic | Electronic |
| c) Electronic Devices |  |  |  |  |  |
| **Communication:** Lectures are audible and clear |  |  |  |  |  |
| **Percentage of syllabus completed by teacher** |  |  |  |  |  |
| **Whether the teacher engages the student in understanding the subject** |  |  |  |  |  |
| **Whether the teacher is approachable and available** |  |  |  |  |  |
| **Whether the teacher motivates to organize co-curricular activities** |  |  |  |  |  |

**N.B:** Students should not write their Name/Roll No. in this feedback form. Use multiple sheets in case the number of teachers is more than five. They are advised to rate in a scale of ‘A’ to ‘E’ to indicate their opinion, where **A=100-90, B=90-75, C=75-60, D=60-50, and E=Less than 50.**
CRITERION – II
TEACHING-LEARNING AND EVALUATION


**CRITERION II: TEACHING-LEARNING AND EVALUATION**

2.1. Student Enrollment and Profile

2.1.1. How does the college ensure publicity and transparency in the admission process?

**Publicity**

- In this age of web-connectivity, the college utilizes its website (www.bgc.org.in) to keep the student community informed about regular activities and institutional progress. All information related to admission is disseminated primarily through the college website. The website is regularly updated with information such as courses offered, eligibility criteria for admission, intake capacity of each course with category-wise break-up of seats, window for issue and submission of forms, publication of merit list, dates of counselling, fee structure etc. The admission-calendar is provided well in advance to ensure sufficient publicity. These notices are also put up in the college notice board.

- On the other hand, the college prospectus serves as a complete information brochure on admission process and is updated annually. It is also uploaded in the institutional website for convenience of all. The printed copies of the prospectus are circulated to all new applicants. The prospectus provides extensive information regarding courses offered, structure of fees, faculty profile, scholarships and financial support to the economically weaker students etc. It also provides information on other facilities, rules and regulations of our College and the affiliating University. Relevant pictorial documentation of departmental and students’ activities are included in the prospectus.

- Prior to every admission season, ready-reckoners of the Admission process is also printed in the form of hand-bills and are distributed freely to interested persons. The College authority also puts up hoarding at strategic location in vernacular language to disseminate vital information regarding admission process.

**Transparency**

- Completely merit-based admission has been a hallmark of this institution. The College has successfully implemented digitization of the entire admission process within a relatively short span of time. The practice of publishing the entire merit list in the College website was adopted long ago. Thereafter, online submission of forms was added as a
feature from 2013-14 academic session. To fully harness the potential of online admission process the college has implemented mandatory online admission from the current academic session (2015-2016). The applicants are now paying the requisite application fee through a payment gateway portal developed in partnership with State Bank of India.

- A Unique code is assigned to each applicant to ensure subsequent tracking of the said application at every stage. Window for grievance redressal is provided to eliminate any scope for untoward discrepancy.
- The technological side of this online admission process is maintained by a competent agency under the watchful eyes of the institution. Selection of the said agency happens through open tender, inviting technical and financial bids from experienced agencies.

**N.B.-Candidate can apply for Two Honours Subjects at the Most.**
**N.B.-Candidate should make the entries very carefully. Any deliberate attempt to provide false information will result in cancellation of the application.**
**N.B.-Please check your Eligibility Criteria before filling up the Application Form.**
Photograph 2.2: Online fee collection portal developed with State Bank of India

- The Admission Committee of the college is composed annually from within the Teachers’ Council. It plays a definite role in framing the admission criteria for both UG and PG courses based on the guidelines of the West Bengal State University. It also undertakes the following measures to ensure that transparency is maintained at every level.
  - Display of merit lists showing marks obtained in the previous qualifying examination in the college website and notice board. Students’ union plays a role in publicizing it.
  - Admission through open counseling in presence of students, parents, and teachers.
  - Complaints from stakeholders, if any, are promptly dealt with.

2.1.2. Explain in detail the criteria adopted and process of admission (Ex.(i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other programmes of the Institution.

- At the UG level, Admission is conducted solely based on merit. Students are admitted on the basis of marks obtained in the last qualifying examination, i.e (10+2). The Departments have the autonomy to decide the formula for computation of merit score. Usually, aggregate of best four subjects along with marks obtained in the subject applied
for is considered to calculate the merit score. Admission is done strictly following the reservation rules for SC, ST, OBC and physically disabled students.

- For the PG courses, admission tests are conducted in a limited manner. 60% of the PG seats are reserved for students of the home university (WBSU) and the remaining 40% seats are open to graduates of all universities, including the home university. The 60% seats are filled strictly on the basis of marks obtained in the Honours subject. For the 40% seats, results of admission tests and merit are considered to prepare merit list. This practice is in vogue in accordance with the recommendation of the West Bengal State Council of Higher Education (WBSCHE).

**Table 2.1: Formula to compute Merit Score for UG Level Admission**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Computation of Merit Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bengali</td>
<td>Aggregate of best 4 subjects + Bengali marks</td>
</tr>
<tr>
<td>English</td>
<td>Aggregate of best 4 subjects + English marks</td>
</tr>
<tr>
<td>Sanskrit</td>
<td>Aggregate of best 4 subjects + Sanskrit marks</td>
</tr>
<tr>
<td>History, Philosophy, Political Science</td>
<td>Aggregate of best 4 subjects + Respective Subject/ English marks</td>
</tr>
<tr>
<td>Physics</td>
<td>Aggregate of best 4 subjects + Physics marks + Mathematics marks.</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Aggregate of best 4 subjects + Chemistry marks</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Aggregate of best 4 subjects + Mathematics marks</td>
</tr>
<tr>
<td>Botany</td>
<td>Aggregate of best 4 subjects + Biology marks</td>
</tr>
<tr>
<td>Zoology</td>
<td>Aggregate of best 4 subjects + Biology marks</td>
</tr>
<tr>
<td>Geography</td>
<td>Aggregate of best 4 subjects + Geography marks</td>
</tr>
<tr>
<td>Economics</td>
<td>Aggregate of best 4 subjects + Economics / Mathematics marks.</td>
</tr>
<tr>
<td>B.A General, B.Sc. General</td>
<td>Aggregate of best 4 subjects</td>
</tr>
</tbody>
</table>

2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.

The minimum and maximum percentage of marks for admission at entry level for each of the programmes is given in the following chart along with comparative data from four colleges of the same city and district. The data has been compiled as per verbal feedback.
**Table 2.2: Comparative Chart of Maximum and Minimum intake in the Session 2015-2016**

- Barasat Government College (BGC)
- Acharya Prafulla Chandra College (APC)
- Vivekananda College, Madhyamgram (VCM)
- Barasat Evening College (BEC)

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>UG Programme</th>
<th>College</th>
<th>Highest Merit Score (Unit in %)</th>
<th>Lowest Merit Score (Unit in %)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Bengali</td>
<td>BGC</td>
<td>91.25</td>
<td>83.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>APC</td>
<td>84</td>
<td>65</td>
</tr>
<tr>
<td></td>
<td></td>
<td>VCM</td>
<td>80</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td></td>
<td>BEC</td>
<td>82</td>
<td>63</td>
</tr>
<tr>
<td>2.</td>
<td>English</td>
<td>BGC</td>
<td>93</td>
<td>86.75</td>
</tr>
<tr>
<td></td>
<td></td>
<td>APC</td>
<td>87</td>
<td>72</td>
</tr>
<tr>
<td></td>
<td></td>
<td>VCM</td>
<td>84</td>
<td>68</td>
</tr>
<tr>
<td></td>
<td></td>
<td>BEC</td>
<td>85</td>
<td>70</td>
</tr>
<tr>
<td>3.</td>
<td>Sanskrit</td>
<td>BGC</td>
<td>83.75</td>
<td>77</td>
</tr>
<tr>
<td></td>
<td></td>
<td>APC</td>
<td>80</td>
<td>61</td>
</tr>
<tr>
<td></td>
<td></td>
<td>VCM</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td></td>
<td></td>
<td>BEC</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>4.</td>
<td>History</td>
<td>BGC</td>
<td>85</td>
<td>77.75</td>
</tr>
<tr>
<td></td>
<td></td>
<td>APC</td>
<td>80</td>
<td>66</td>
</tr>
<tr>
<td></td>
<td></td>
<td>VCM</td>
<td>76</td>
<td>58</td>
</tr>
<tr>
<td></td>
<td></td>
<td>BEC</td>
<td>80</td>
<td>60</td>
</tr>
<tr>
<td>5.</td>
<td>Philosophy</td>
<td>BGC</td>
<td>83.25</td>
<td>76.25</td>
</tr>
<tr>
<td></td>
<td></td>
<td>APC</td>
<td>78</td>
<td>64</td>
</tr>
<tr>
<td></td>
<td></td>
<td>VCM</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td></td>
<td></td>
<td>BEC</td>
<td>75</td>
<td>62</td>
</tr>
<tr>
<td>6.</td>
<td>Political Science</td>
<td>BGC</td>
<td>77.5</td>
<td>72</td>
</tr>
<tr>
<td></td>
<td></td>
<td>APC</td>
<td>75</td>
<td>63</td>
</tr>
<tr>
<td></td>
<td></td>
<td>VCM</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td></td>
<td></td>
<td>BEC</td>
<td>72</td>
<td>60</td>
</tr>
<tr>
<td>7.</td>
<td>Geography</td>
<td>BGC</td>
<td>94.5</td>
<td>85.75</td>
</tr>
<tr>
<td></td>
<td></td>
<td>APC</td>
<td>90</td>
<td>80</td>
</tr>
<tr>
<td></td>
<td></td>
<td>VCM</td>
<td>85</td>
<td>73</td>
</tr>
<tr>
<td></td>
<td></td>
<td>BEC</td>
<td>87</td>
<td>77</td>
</tr>
<tr>
<td>8.</td>
<td>Economics</td>
<td>BGC</td>
<td>79.25</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td></td>
<td>APC</td>
<td>75</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td></td>
<td>VCM</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td></td>
<td></td>
<td>BEC</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Sl. No.</td>
<td>PG Programme</td>
<td>College</td>
<td>Highest Percentage</td>
<td>Lowest Percentage</td>
</tr>
<tr>
<td>--------</td>
<td>--------------</td>
<td>---------</td>
<td>---------------------</td>
<td>-------------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(Unit in %)</td>
<td>(Unit in %)</td>
</tr>
<tr>
<td>1.</td>
<td>Physics</td>
<td>BGC</td>
<td>72</td>
<td>57</td>
</tr>
<tr>
<td></td>
<td></td>
<td>APC</td>
<td>65</td>
<td>53</td>
</tr>
<tr>
<td></td>
<td></td>
<td>VCM</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td></td>
<td></td>
<td>BEC</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>2.</td>
<td>Botany</td>
<td>BGC</td>
<td>68</td>
<td>56</td>
</tr>
<tr>
<td></td>
<td></td>
<td>APC</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td></td>
<td></td>
<td>VCM</td>
<td>--</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>BEC</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>3.</td>
<td>Zoology</td>
<td>BGC</td>
<td>71</td>
<td>58</td>
</tr>
<tr>
<td></td>
<td></td>
<td>APC</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td></td>
<td></td>
<td>VCM</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td></td>
<td></td>
<td>BEC</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>
2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If ‘yes’ what is the outcome of such an effort and how has it contributed to the improvement of the process?

The admission process of the College are under constant review and procedural improvements are being introduced every year to enhance the efficiency of the process. The chronological shift from manual mode of admission process to fully digitized mode is being chronicled.

<table>
<thead>
<tr>
<th>Year</th>
<th>Method of conducting Admission Process</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>Online distribution of forms and publication of full merit list in the College website.</td>
</tr>
<tr>
<td>2013</td>
<td>Introduction of Online submission of forms with no extra financial burden.</td>
</tr>
<tr>
<td>2015</td>
<td>Compulsory online submission of forms along with fee collection mechanism through payment gateway portal of State Bank of India.</td>
</tr>
</tbody>
</table>

The Admission Committee of the College is the systematic mechanism that conducts and reviews the admission process and student profiles annually. Meetings are held frequently among the members to ensure that the framed policy is in consonance with the criteria laid down by the affiliating university as well as with the Government norms. Suggestions and recommendations from all HODs and other stakeholders are considered to review the modus operandi methodically. Student Profiles are reviewed by the Departments and duly communicated to the Admission Committee for counseling. Incremental modifications in cut-off marks are effected after reviewing the profile of the applicants. However, efforts are made to not disturb the mandate for inclusive education.
Photograph 2.3: Teachers and Non-Teaching staff working together during Admission process

Photograph 2.4: Credentials of Applicants being verified at the Admission Desk
2.1.5. Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion

This being a Government College, the admission policy is fully centered on the policy documents issued by the Government. Hence, the institution is fully committed to maintain the diversity in the student profile and uphold the mandate for inclusive education.

**SC/ST:**

22% seats are reserved for the SC and 6% students are reserved for the ST students as per West Bengal Government reservation policy. North 24 Parganas has 20.60% SC population and 2.22% ST population, as per the data published by the Minority Affairs Department. However, the number of SC and ST students admitted in the College are higher than this rate. A profile of the SC and ST students in the last three sessions are:

<table>
<thead>
<tr>
<th>Academic Session</th>
<th>Total no. of registered students</th>
<th>Total no. of SC students</th>
<th>Ratio of SC students (Unit in %)</th>
<th>Total no. of ST students</th>
<th>Ratio of ST students (Unit in %)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012-2013</td>
<td>970</td>
<td>277</td>
<td>28.56</td>
<td>27</td>
<td>2.78</td>
</tr>
<tr>
<td>2013-2014</td>
<td>1027</td>
<td>292</td>
<td>28.43</td>
<td>23</td>
<td>2.23</td>
</tr>
<tr>
<td>2014-2015</td>
<td>987</td>
<td>274</td>
<td>27.76</td>
<td>22</td>
<td>2.22</td>
</tr>
</tbody>
</table>

**OBC**

In consonance with relevant Govt. orders the College has initiated the gradual process for reserving 10% seats for OBC-A category and 7% seats for OBC-B category in a phased manner since 2013-14 session culminating in the 2019-20 academic session. The roadmap for implementing the mandate of OBC reservation is being attached in the following table.
### Table 2.4: Roadmap for Implementing OBC Reservation by increasing seats incrementally

<table>
<thead>
<tr>
<th>Subject with Seat Break-up</th>
<th>Year 2013-14</th>
<th>Year 2014-15</th>
<th>Year 2015-16</th>
<th>Year 2016-17</th>
<th>Year 2017-18</th>
<th>Year 2018-19</th>
<th>Year 2019-20</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Initial Intake</strong></td>
<td><strong>General-52</strong></td>
<td><strong>General-52</strong></td>
<td><strong>General-52</strong></td>
<td><strong>General-52</strong></td>
<td><strong>General-52</strong></td>
<td><strong>General-52</strong></td>
<td><strong>General-53</strong></td>
</tr>
<tr>
<td><strong>English</strong></td>
<td><strong>SC-16</strong></td>
<td><strong>SC (22%)-17</strong></td>
<td><strong>SC (22%)-18</strong></td>
<td><strong>SC (22%)-18</strong></td>
<td><strong>SC (22%)-19</strong></td>
<td><strong>SC (22%)-20</strong></td>
<td><strong>SC (22%)-21</strong></td>
</tr>
<tr>
<td><strong>Bengali</strong></td>
<td><strong>ST-04</strong></td>
<td><strong>ST(6%)-05</strong></td>
<td><strong>ST(6%)-05</strong></td>
<td><strong>ST(6%)-05</strong></td>
<td><strong>ST(6%)-05</strong></td>
<td><strong>ST(6%)-05</strong></td>
<td><strong>ST(6%)-06</strong></td>
</tr>
<tr>
<td><strong>Philosophy</strong></td>
<td><strong>PH-3% Horizontal</strong></td>
<td><strong>PH-3% Horizontal</strong></td>
<td><strong>PH-3% Horizontal</strong></td>
<td><strong>PH-3% Horizontal</strong></td>
<td><strong>PH-3% Horizontal</strong></td>
<td><strong>PH-3% Horizontal</strong></td>
<td><strong>PH-3% Horizontal</strong></td>
</tr>
<tr>
<td><strong>Political Science</strong></td>
<td><strong>OBC-B-0</strong></td>
<td><strong>OBC-B-01 (ad hoc)</strong></td>
<td><strong>OBC-B-02 (ad hoc)</strong></td>
<td><strong>OBC-B-04 (ad hoc)</strong></td>
<td><strong>OBC-B-05 (ad hoc)</strong></td>
<td><strong>OBC-B(7%)-07</strong></td>
<td><strong>OBC-B(7%)-07</strong></td>
</tr>
<tr>
<td><strong>Sanskrit</strong></td>
<td><strong>General-31</strong></td>
<td><strong>General-31</strong></td>
<td><strong>General-31</strong></td>
<td><strong>General-31</strong></td>
<td><strong>General-31</strong></td>
<td><strong>General-31</strong></td>
<td><strong>General-31</strong></td>
</tr>
<tr>
<td><strong>Botany</strong></td>
<td><strong>SC-09</strong></td>
<td><strong>SC (22%)-10</strong></td>
<td><strong>SC (22%)-10</strong></td>
<td><strong>SC (22%)-11</strong></td>
<td><strong>SC (22%)-12</strong></td>
<td><strong>SC (22%)-13</strong></td>
<td><strong>SC (22%)-13</strong></td>
</tr>
<tr>
<td><strong>Zoology</strong></td>
<td><strong>ST-03</strong></td>
<td><strong>ST(6%)-03</strong></td>
<td><strong>ST(6%)-03</strong></td>
<td><strong>ST(6%)-03</strong></td>
<td><strong>ST(6%)-03</strong></td>
<td><strong>ST(6%)-03</strong></td>
<td><strong>ST(6%)-03</strong></td>
</tr>
<tr>
<td><strong>Economics</strong></td>
<td><strong>PH-3% Horizontal</strong></td>
<td><strong>PH-3% Horizontal</strong></td>
<td><strong>PH-3% Horizontal</strong></td>
<td><strong>PH-3% Horizontal</strong></td>
<td><strong>PH-3% Horizontal</strong></td>
<td><strong>PH-3% Horizontal</strong></td>
<td><strong>PH-3% Horizontal</strong></td>
</tr>
<tr>
<td><strong>OBC-A-0</strong></td>
<td><strong>OBC-A-01 (ad hoc)</strong></td>
<td><strong>OBC-A-02 (ad hoc)</strong></td>
<td><strong>OBC-A-03 (ad hoc)</strong></td>
<td><strong>OBC-A-04 (ad hoc)</strong></td>
<td><strong>OBC-A-05 (ad hoc)</strong></td>
<td><strong>OBC-A(10%)-06</strong></td>
<td><strong>OBC-A(10%)-06</strong></td>
</tr>
<tr>
<td><strong>OBC-B-0</strong></td>
<td><strong>OBC-B-01 (ad hoc)</strong></td>
<td><strong>OBC-B-01 (ad hoc)</strong></td>
<td><strong>OBC-B-02 (ad hoc)</strong></td>
<td><strong>OBC-B-02 (ad hoc)</strong></td>
<td><strong>OBC-B-03 (ad hoc)</strong></td>
<td><strong>OBC-B(7%)-04</strong></td>
<td><strong>OBC-B(7%)-04</strong></td>
</tr>
<tr>
<td><strong>Physics</strong></td>
<td><strong>General-36</strong></td>
<td><strong>General-36</strong></td>
<td><strong>General-36</strong></td>
<td><strong>General-36</strong></td>
<td><strong>General-36</strong></td>
<td><strong>General-36</strong></td>
<td><strong>General-37</strong></td>
</tr>
<tr>
<td><strong>SC-11</strong></td>
<td><strong>ST-03</strong></td>
<td><strong>ST(6%)-03</strong></td>
<td><strong>ST(6%)-03</strong></td>
<td><strong>ST(6%)-04</strong></td>
<td><strong>ST(6%)-04</strong></td>
<td><strong>ST(6%)-04</strong></td>
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</tr>
<tr>
<td><strong>ST-03</strong></td>
<td><strong>PH-3% Horizontal</strong></td>
<td><strong>PH-3% Horizontal</strong></td>
<td><strong>PH-3% Horizontal</strong></td>
<td><strong>PH-3% Horizontal</strong></td>
<td><strong>PH-3% Horizontal</strong></td>
<td><strong>PH-3% Horizontal</strong></td>
<td><strong>PH-3% Horizontal</strong></td>
</tr>
<tr>
<td><strong>OBC-A-0</strong></td>
<td><strong>OBC-A-01 (ad hoc)</strong></td>
<td><strong>OBC-A-03 (ad hoc)</strong></td>
<td><strong>OBC-A-04 (ad hoc)</strong></td>
<td><strong>OBC-A-05 (ad hoc)</strong></td>
<td><strong>OBC-A(10%)-07</strong></td>
<td><strong>OBC-A(10%)-07</strong></td>
<td><strong>OBC-A(10%)-07</strong></td>
</tr>
<tr>
<td><strong>OBC-B-0</strong></td>
<td><strong>OBC-B-01 (ad hoc)</strong></td>
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<td>Year 2014-15</td>
<td>Year 2015-16</td>
<td>Year 2016-17</td>
<td>Year 2017-18</td>
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<td>SC (22%)-73</td>
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<td>OBC-B-04 (ad hoc)</td>
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<td>OBC-B-08 (ad hoc)</td>
<td>OBC-B(7%)-12</td>
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</table>
Women
The college has a healthy male/female balance and female students have often fare better than their male counterpart. As a Government College, it ensures that Women education is given special attention. Barasat being a pioneer in female education, the enrollment of girl students has been considerable. With the introduction of the *Kanyashree* Scholarship (K2), a special scholarship set up by the Hon’ble Chief Minister of West Bengal for continuation of education of unmarried girl students, the ratio should see an upswing in the coming years.

**Table 2.5: Ratio of Female students vis-a-vis Male students during last Four years**

![Graph showing ratio of female students per 100 male students from 2011 to 2014.]

Differently-abled
During admission 3% of total seats are reserved for those with disabilities and the allotment is made from the category in which the PH candidate belongs. The degree of disability determines the order of preference among PH candidates. PH certificate issued by the specified authority recognized by the Government are accepted to determine the degree of disability.

Economically weaker sections
The mandate of inclusive education warrants that both the application fees and enrollment fees should be within affordable limits. The cost of applying to any courses has been kept at a bare minimum, without any profit motive. A student can simultaneously apply for two Honours
courses and one General course against payment of just Rs.50/- (fifty), along with Rs.10/- (ten) as Bank Fee. The monthly tuition fees are also considerably low, thus making the admission fees affordable. Beyond this, the Principal of the College uses his discretion to waive the admission fees for economically weak students.

*Table 2.6: List of Fees payable at the Time of Admission*

<table>
<thead>
<tr>
<th>Subject</th>
<th>B.Sc Hons. (except Economics)</th>
<th>B.Sc. Hons. in Economics</th>
<th>Hons. in Arts Subject</th>
<th>B.Sc. Pass</th>
<th>B.A. Pass</th>
<th>PG Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>One month's tuition fee</em></td>
<td>110</td>
<td>110</td>
<td>75</td>
<td>85</td>
<td>50</td>
<td>160</td>
</tr>
<tr>
<td>Heads</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A) Tuition Fees</td>
<td>110×7 = 770</td>
<td>110×7 = 770</td>
<td>75×7 = 525</td>
<td>85×7 = 595</td>
<td>50×7 = 350</td>
<td>160×7 = 1120</td>
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<tr>
<td>B) Library Caution Money</td>
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<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>C) Lab Caution Money</td>
<td>20</td>
<td>---</td>
<td>---</td>
<td>15</td>
<td>---</td>
<td>50</td>
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<tr>
<td>D) Punkha Fees</td>
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<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>E) Examination Fees</td>
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<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>F) Univ. (Regn.+ Exam form + Regn. handling charge) Fees</td>
<td>110+20+10 = 140</td>
<td>110+20+10 = 140</td>
<td>110+20+10 = 140</td>
<td>110+20+10 = 140</td>
<td>130+20+10 = 160</td>
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<tr>
<td>G) Students’ Union Fees (Annual)</td>
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<td>150</td>
<td>150</td>
<td>150</td>
<td>150</td>
<td>150</td>
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<tr>
<td>H) Students’ Health Home</td>
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<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
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<td>I) Sports</td>
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<td>60</td>
<td>60</td>
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<td>J) Miscellaneous</td>
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<td>52</td>
<td>52</td>
<td>52</td>
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</tr>
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<td><strong>Total</strong></td>
<td><strong>1315</strong></td>
<td><strong>1295</strong></td>
<td><strong>1015</strong></td>
<td><strong>1110</strong></td>
<td><strong>815</strong></td>
<td><strong>1780</strong></td>
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**Minority community**

North 24 Parganas is one among the ninety (90) Category-B districts of India, having been identified as Muslim minority concentration district. Each year a significant number of students from the minority community gets admitted in the College. The reservation under OBC- A category primarily ensures reservation of seats for the minority students also. The minority students can also avail Post-Matric Scholarship offered by West Bengal Minorities Development and Finance Corporation (WBMDFC).

**Table 2.7: Minority Students in perspective of Other Category of Students**

<table>
<thead>
<tr>
<th>Category</th>
<th>Total</th>
<th>General</th>
<th>SC</th>
<th>ST</th>
<th>OBC</th>
<th>Minority</th>
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<th>OBC</th>
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</table>

**Any other**

The College takes initiatives to support students who are keen to excel in athletics and other sports activities. They are provided with sports-gear and funds to participate at national/state level athletic meets. The College is considering a proposal for introduction of a sports quota during admission process. However, limited land is a vicarious challenge in this regard.
2.1.6. Provide the following details for various programmes offered by the institution during the last four years and comment on the trends i.e. reasons for increase/decrease and actions initiated for improvement.

**Table 2.8: Trends of Admission process during last four years**

<table>
<thead>
<tr>
<th>UG Programme</th>
<th>Academic Session</th>
<th>No. of Seats</th>
<th>Number of Applicants</th>
<th>No. of Students Admitted¹</th>
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<td>71</td>
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¹ Till the 2014-15 session, those students who have completed the registration process with the University, have been considered. For 2015-16 session, registration process is yet to commence.
### Philosophy

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**Table 2.9: Demand Ratio at a glance**

From the macro-level projection it appears that there was a relative lull in demand during 2014-15 session followed by a sharp upswing in demand for few honours subjects during the 2015-16 admission process. Introduction of complete online system along with fee collection portal may have contributed to such growth in demand.
2.2 Catering to Student Diversity

2.2.1. How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?

- Among manifold issues related to educational aspects, the College takes into consideration the problems and necessities of the differently able students.
- In consonance with the directives of the Government, 3% of seats in each discipline are reserved during admission for persons with disabilities and the allotment is made from the category in which the candidate belongs. The degree of disability determines the order of preference among PH candidates. PH certificate issued by specified authority recognized by the Government are accepted to determine the degree of disability.
- The college has constituted the sub-committee named ‘Higher Education for Persons with Special Needs (HEPSN)’ and the “Equal Opportunity Cell” for providing and monitoring the necessary support services to students with disabilities and students from disadvantaged section of the society,. The college also seeks to provide barrier-free environment for students with special learning needs to ensure equal opportunities and full participation in regular teaching learning and similar co-curricular activities. Construction of ramp, arrangements for wheel chair, braille books in the library, purchase of hearing equipment are some of the necessary measures that the college has undertaken.
- Moreover, the above committees have also arranged awareness programmes, seminars and discussions. On 21st September 2012 an awareness programme was organized on “The Problems of Inclusion in the Higher Education, for Persons with Disabilities”. On 27th March 2015, a short seminar was arranged on the title “The Role of Mass Media in Creating Social Awareness for The Differently Able”. On the whole, the college makes sincere endeavour to look after the facilities of the students with special learning needs and to assure them equal opportunities for their full and enabled participation in the mainstream academic activities. Presently one of our differently abled student Sahida Khatun (with class S-4 disabilities) has the unique distinction of participating in Paralympics and she was also awarded by the State Government in the category of 'Role Model' for her outstanding performance in sports.
2.2.2. Does the institution assess the students’ needs in terms of knowledge and skills before the commencement of the programme? If ‘yes’, give details on the process.

One significant way of assessing the skills of the students is to conduct admission tests. However, Admission tests are not conducted to honour the assessment of the previous examining body. Students are enrolled according to the marks attained in the qualifying examinations with special stress on marks attained in the subject opted for honours. This is how the teachers of the Department gets to know the academic profile of the students prior to the commencement of the curriculum based teaching. Fresher’s Welcome programmes are organized centrally by the Students’ Union and also individually by the Departments. Skills of the younger lot get exhibited through such events.

On the other hand, assessment of the needs of the students is a continuous process. Teachers interact with the students regularly and maintain a close teacher-student bond. Often students confide in the teachers about their financial difficulties, and the teachers try to address the same through institutional assistance, such as half-free or full-free studentship.

2.2.3. What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (Bridge/Remedial/Add-on/Enrichment Courses, etc.) to enable them to cope with the programme of their choice?

As the college admits students from diverse backgrounds, it takes definite steps to address the knowledge gap between different types of students. To bridge the knowledge gap the Departments arrange tutorial classes for the slow learners. UGC sponsored Remedial Classes (for SC, ST, OBC and other non-creamy layer students) are also arranged. Even when there is a lack of remedial funds the College advises HODs to organize special classes for weak students before or after college hours, or during free periods as tutorial classes. Departments also procure specific books in their respective seminar library which these students can use.

The college takes special interest in spreading basic computer literacy and social awareness among students. Under-graduate first year students of this College are imparted a compulsory computer course, where the College has partnered with the local Centre of National Institute of Electronics & Information Technology (NIELIT, erstwhile DOEAC), an autonomous body
under the Department of Information Technology, Government of India. Provision for such classes were incorporated within the class-routine of the under-graduate first year students and after completion of the course the organization issue participatory certificate. Students, especially from economically weaker sections, continues with it even after they have passed out. Seminars on moral and ethical values, human rights, gender-neutrality etc. are also organized to enrich the students and broaden their community orientation.

2.2.4. How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?

**GENDER**

The nation-wide demand for gender-justice has made the college keen on addressing gender issues. In order to spread awareness on the theme the NSS unit of the College collaborated with *Sappho for Equality*, Kolkata and conducted a workshop on gender sensitization in February 2014. There is a functional Internal Complaints Committee (ICC) within the campus. A special box has also been provided so that any gender-related issue may be reported.

On the other hand, the number of girl students in the College is significantly higher and the College authority explores all opportunities to sustain this ratio. Prompt actions are taken to ensure that eligible girl students receive the Kanyashree scholarship of the Government on time.

**INCLUSION**

Recently the College had organized a special lecture programme to commemorate the sesquicentennial birth anniversary of Dr. B.R. Ambedkar. Mass participation by teachers, non-teaching staff and students made this sensitization programme on the theme of social inclusion a success. An awareness programme was organized on “The Problems of Inclusion in the Higher Education, for Persons with Disabilities” in September 2012. Besides, the College strictly adheres to the reservation policy of the Government and admits students in the following ratio.

- (a) S.C. – 22% of total seats
- (b) S.T. – 6% of total seats
- (c) OBC-A – 10% of total seats.
- (d) OBC-B – 7% of total seats.
- (e) Physically Handicapped – 3% horizontal reservation across all categories.
ENVIRONMENT

The College has constituted an “Environment Protection and Nature Cell”. It is in charge of maintaining a ‘Green Campus’. The college uses environment friendly and star rating instruments for moderate consumption of energy. The college is in the process to install a Solar Panel photo-voltaic system on the roof top of the college building with the initiative of PWD, Electrical wing, Govt. of West Bengal. Vendor is already selected by PWD, Electrical wing. The final approval from the Government is awaited for the initiation of the work. Burning of rubber and plastic in the campus and throwing e-waste in municipal wastes are strictly prohibited. A Waste Accumulation Area (WAA) outside the Department of Chemistry is specially constructed to dispose of the hazardous wastes. On the request of the College, Surface Water Investigation Department (SWID), and Agri-Engineering Department, Govt. of West Bengal has investigated the feasibility of rain water harvesting under ‘Jal Dharo Jal Bharo’, a Govt. project. The report is expected soon. A seminar was organized on 10.02.15 on this issue.

2.2.5. How does the institution identify and respond to special educational/learning needs of advanced learners?

The College promotes the interests of advance learners by procuring reference books in the seminar library and by encouraging teachers to help these bright minds towards greater success. The genial student-teacher relationship helps this process further, as most teachers take out extra-time to groom those with promise. They are also encouraged to take part in inter-college seminars, and are advised on their academic career opportunities. These students usually draw advice from their respective departments about the admission tests and enrollment in PG courses. Often they take special guidance during their preparation for NET/SET/GATE/JAM and similar examinations or PhD programmes. Departmental alumni, through social media, is utilized especially to maintain regular interaction with past-students and to encourage.

2.2.6. How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?
The College considers the aspect of monitoring the academic performance crucial for maintaining its goodwill as a center of learning. To uphold the mandate of inclusive education, constant monitoring of students from socially and economically challenged students are done by the teachers. Special incentives are provided to the financially challenged students. The institution employs the following methods to keep a check on drop-outs:

- Regular check on attendance.
- Maintaining a departmental record of each student's address and phone number. Absenteeism is discouraged and absent students are contacted to encourage them to return to college.
- Parent-Teacher Meetings are conducted and parents are encouraged to approach the department if their ward faces any difficulties with their studies or in the campus.
- Often teachers visit the homes of inattentive students to speak with their parents and motivate them for continuing studies.
- Remedial classes are conducted for the slow learners.
- Students facing financial challenges are given incentives to continue their studies. Scholarship grants as arranged for as much number of students as possible.

### 2.3 Teaching–Learning Process

#### 2.3.1. How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blueprint etc.)

At the beginning of every year, Academic Calendar Sub-Committee prepares an institutional Academic Calendar. Then each department sets up separate Academic Calendar on the basis of the main structure.

The calendar includes —

(i) Detailed break-up of syllabus.
(ii) Number of classes allotted for each paper.
(iii) Time schedule for tutorial classes.
(iv) Probable dates of class tests, college examinations, and university examinations.
(v) List of Holidays and vacations, etc.
• Teaching plan
In most departments, the departmental teachers prepare their Teaching Plan. These teaching plans are displayed in the departmental notice boards.

The evaluation blue print is structured by the affiliating university and sent to the college, which is adhered by the respective departments of the college. The detailed breakup of marks, question pattern, probable date of examination etc. is communicated to the students at the beginning of the academic session. Any changes in the pattern is intimated well in advance.

2.3.2. How does IQAC contribute to improve the teaching–learning process?
• The college has established the Internal Quality Assurance Cell (IQAC) in 6.1.2010. Since its initiation, the IQAC has been a regularly functioning unit which supervises the teaching-learning process of the institution.
• The IQAC team annually visits all the departments to conduct internal academic audit of the departments. During the visits, the IQAC team monitors the academic activities, records of students’ seminars, records of results of students and progress of University examination results of the departments.

2.3.3. How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?
Keeping in mind the information boom and tech-savvy profile of the youth, the college constantly revises the teaching learning process. Along with the old fashioned chalk and lecture method, the teachers have eagerly adopted to new methods of imparting information through –
  ➢ ICT (for web-based material)
  ➢ Projectors (for better demonstration) and
  ➢ Films (to inculcate greater interest in the subject)
These methods help to make the courses more interactive, collaborative and research-oriented.

Interactive Learning
This includes group discussions in class, seminars, debates and quiz programmes. Students’
Seminars are organized and students are encouraged to present papers. Often certain portion of the curriculum is taught through these seminars. More importantly the seminar-method instills confidence in the students, both over their subject and in the art of presentation. They also get a chance to use ICT enabled technologies during presentations. The Students’ Union organized an Inter-College Quiz Programme, Mind-Quest in 2014, which shows that students too have responded to the College’s attempts to make learning interactive and enjoyable. Debates are a regular feature of Annual intra-college competitions. Other regular features are department wall-magazines. Efforts are on to publish a regular students’ magazine. Interaction with ex-students also help in this process as they become good guides especially for final year students. They impart vital information regarding furtherance of knowledge for follow-up courses.

Collaborative Learning
Interactive learning, naturally and surely, leads to Collaborative Learning. Lab-based classes greatly encourage collaborative learning. Field trips and college excursions, which are mandatory for science students, also support the same. Humanities students are encouraged to study in groups and make group presentations. Besides these, participation in College competitions, cultural functions, wall-magazines, games and sports etc. help in collaborative learning as well.

Independent Learning
Through the Library (and Seminar Library) the College encourages Independent Learning. Moreover, students are constantly asked to write answers and discuss the same with their teachers during tutorial classes, or in between classes, whenever possible. It is heartening to note that not only the advanced learners, but slow learners approach teachers regularly. Installation of internet facilities in the campus is a big support towards independent learning.

2.3.4. How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?
The College takes several steps to nurture critical thought, creativity and scientific approach among the students.
Students are encouraged to ask questions and advance their opinions within the classrooms to make the teaching-learning process interactive.

The College regularly arranges seminars and invitational lectures and workshops in various disciplines. The students and teachers of all departments are encouraged to participate in these deliberations to promote inter-disciplinary academic spirit within them.

Students’ seminars in various departments are regularly conducted to inculcate independent critical thinking as well as collaborative learning among the students.

NSS organized programmes like seminars on child rights, AIDS awareness, Thalassemia Detection Camps and awareness programmes etc. also instill critical thinking and scientific temper among the students.

2.3.5. What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NMEICT), open educational resources, mobile education, etc.

As the needs of the time, the faculty of this college is continuously upgrading themselves with modern day technology in addition to the conventional chalk and talk method.

- Under the National Mission on Education through ICT (NMEICT), funded by the Ministry of Human Resources Development, Government of India, provision for high speed broadband internet through both wireless and wired medium has been created in all the Departments, Teachers’ Room, Library and College Office. A separate local area network (LAN) has been set up as well, interconnecting physically distant points of various Departments. The College authority fully appreciates the opportunities that can emanate from internet access and is committed to remove all barriers in this regard.

- The IQAC is considering the options for integrating the virtual class lectures available through NPTEL programme and devising ways to incorporate the same into conventional classroom teaching. For this purpose, physical infrastructures are being augmented, such as creation of e-classrooms, improving broadband internet speed etc.

- Following technology enabled facilities are available for effective teaching:
- Use of LCD projectors.
- Use of internet and audio-visual medium like films.
- Use of software such as QGIS, 21st Century, SPSS, Excel Stat Pro, Geomatica, Bhuban, Google Earth Pro, and Corel Draw by Dept. of Geography.
- Use of software such as MATLAB, OCTAVE, LATEX, SIGMA PLOT, ORIGIN, GEANT 4.0, Cascade, MAUD by the Department of Physics.
- Use of Mathematica, MATLAB software by the Department of Mathematics.
- Use of Chem Draw, Chem Win, ISIS Draw etc. software by the Dept. of Chemistry.
- Searching books through LIBSYS software from the library.
- The Library has INFLIBNET facility, a portal through which the teachers and students can have access to useful journals. Also, online membership of British Council Library enables the faculty and the students to access important materials.

➢ In a recent development, the College is developing its own free android App to disseminate vital information through the mobile platform. It is hoped that eventually such platform can be harnessed in future to augment mobile education.

2.3.6. How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?

➢ Up-grading of knowledge for the faculty and the students take place constantly. For this purpose, several National level and State level seminars have been organized.

➢ Students are encouraged to take and share information from the Web. This helps to blend traditional teaching-learning process with e-learning. **Blended Learning** has been partially initiated with the availability of e-resources to the students. The students are encouraged to browse the internet constructively to access study materials available there.

➢ A more effective way of bringing about Blended Learning is through the organization of expert lectures and seminars, and the various departments have dedicatedly organized these special sessions. Some departments have also organized UGC Funded Special lectures delivered by renowned teachers and academicians. The list of seminars and special lectures are being shown in the table 2.10 and 2.11 below.
### Table 2.10: List of Major Seminars Organized during last Five years

<table>
<thead>
<tr>
<th>Sl No.</th>
<th>Organizing Department</th>
<th>Title of the Seminar</th>
<th>Date/Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Departments of Bengali, History, Philosophy, English and Sanskrit in collaboration with Paschimbanga Itihas Samsad</td>
<td>UGC-sponsored State Level Seminar on “Technologies of Revolution: Society, Economy &amp; Polity”</td>
<td>4&lt;sup&gt;th&lt;/sup&gt;-5&lt;sup&gt;th&lt;/sup&gt; March 2010</td>
</tr>
<tr>
<td>2.</td>
<td>PG Dept. of Botany, Barasat Govt. College and Biological Science Division, ISI Kolkata.</td>
<td>National Seminar on ‘Emerging Trends in Plant Science’</td>
<td>14&lt;sup&gt;th&lt;/sup&gt;-15&lt;sup&gt;th&lt;/sup&gt; July 2011</td>
</tr>
<tr>
<td>3.</td>
<td>Department of Chemistry, Barasat Govt. College in collaboration with Indian Association for the Cultivation of Science (IACS), Jadavpur.</td>
<td>UGC-sponsored National Seminar on “Modern Trends of Research in Chemistry: Scope of Inclusion in Undergraduate and Post-graduate Courses”</td>
<td>September 7 and 8, 2011</td>
</tr>
<tr>
<td>4.</td>
<td>Department of Zoology, Barasat Government College in collaboration with West Bengal State University</td>
<td>UGC Sponsored National Seminar on “Rediscovering 100 Years of Journey on the Field of Immunology: Present Status of Immunological Research in India”</td>
<td>September 19&lt;sup&gt;th&lt;/sup&gt;-20&lt;sup&gt;th&lt;/sup&gt;, 2011</td>
</tr>
<tr>
<td>5.</td>
<td>Departments of English, History, Philosophy, and Sanskrit in collaboration with School of Women's Studies, Jadavpur University</td>
<td>UGC-sponsored National-level seminar on “Women and Literature: Different Faces, Different Voices”</td>
<td>16&lt;sup&gt;th&lt;/sup&gt; and 17&lt;sup&gt;th&lt;/sup&gt; January 2012</td>
</tr>
</tbody>
</table>
Table 2.11: List of Special/Extension Lectures and other Activities organized recently by different Departments/College

<table>
<thead>
<tr>
<th>Sl No.</th>
<th>Organizing Department</th>
<th>Theme of the Lecture/programme and name of Resource Person</th>
<th>Date/Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Philosophy</td>
<td>A talk on Sankhya Philosophy by Dr. Tapan Kumar Chakraborty, formerly Professor of Philosophy, Department of Philosophy</td>
<td>28th February 2014</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A Special lecture on ‘Vivekananda: His Thoughts’ by Dr. Aparna Banerjee, Prof. of Philosophy, Calcutta University</td>
<td>7th March 2014</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A talk on Nyaya Philosophy by Dr. Tapan Kumar Chakraborty, formerly Prof. of Philosophy, Department of Philosophy, Jadavpur University</td>
<td>1st December 2014</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A Students’ seminar</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Chemistry</td>
<td>One day Seminar on ‘Acharya Prafulla Chandra Ray Memorial Lecture’</td>
<td>30.09.2010</td>
</tr>
<tr>
<td>3.</td>
<td>English</td>
<td>UGC sponsored National level seminar in collaboration with Bidhan Nagar College titled “Literature in Translation”.</td>
<td>August 2013</td>
</tr>
<tr>
<td>4.</td>
<td>History</td>
<td>Extension lecture on “French Revolutions” by Prof. Subash Ranjan Chakrabarty, former Professor of History, Presidency University</td>
<td>09.01.2015</td>
</tr>
<tr>
<td>5.</td>
<td>Sanskrit</td>
<td>A special lecture on Karmavada</td>
<td>August 2014</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A talk on the theories of Kavya</td>
<td>18.12.2014</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A Students’ Seminar</td>
<td>20.1.2015</td>
</tr>
<tr>
<td></td>
<td></td>
<td>b) Dr. Indrashis Banerjee of Ramakrishna Mission Vidyamandira, Belur.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>A Students’ Seminar on Human Rights</td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>Physics</td>
<td>One day seminar on ‘Physics Teaching Methodology’ Speakers – Dr. Birendranath Das (Presidency University), Dr. Bhupati Chakraborty (City College, Kolkata), Dr. Surajit Chakraborty (Maharaja Manindra Chandra College, Kolkata), Dr. Syed Minhas Hossain (IIEST, Shibpur).</td>
<td>21.01.12</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Seminar lecture on ’Why do we require optics in computing’. Speaker- Dr. Tanay Chakraborty (WBPDCCL, Kolaghat)</td>
<td>03.10.12.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Seminar lecture on 'The amazing story of the Higgs boson’. Speaker--Professor Soumitra Sengupta (Indian Association for the Cultivation of Science)</td>
<td>13.10.12.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Seminar on “Recent Trends on Physics”</td>
<td>31.08.2013</td>
</tr>
<tr>
<td>No.</td>
<td>College/Cell/Committee</td>
<td>Description</td>
<td>Date</td>
</tr>
<tr>
<td>-----</td>
<td>-----------------------</td>
<td>-------------</td>
<td>------</td>
</tr>
</tbody>
</table>
| 8.  | Bengali               | Seminar lecture on 'Indian initiative in neutrino research' Speaker-- Dr. Kolahal Bhattacharyya (TIFR)  
Seminar lecture on 'Effect of projectile breakup on fission fragment mass distribution in $^6_7\text{Li} + ^{238}_\text{U}$ reactions'. Speaker: Mr. Dipayan Chattopadhyay (BARC) | 16.01.13.  
02.08.2014 |
| 9.  | The College           | Special Lecture on ‘Drama’ for PG students. Speaker: Dr. Pabitra Sarkar  
Special Lecture on ‘Meghdut’ for all the students of the Department Speaker: Dr. Nrisingha Prasad Bhaduri  
Meghdut Path Sanchalana by Aharnish Patrika Gosthi  
‘Novel er Romance : Romance er novel’; special lecture for PG 3rd Semester Students by Dr. Biswajit Roy  
Special Lecture on Raktokarobi & Rabindra Drama-song by Dr. Rajasree Bhattacharyay | 28.11.2014  
12.11.2014  
12.11.2014  
13.11.2014  
18.03.2014 |
| 10. | NSS Unit of College   | A seminar cum mass awareness programme on rain water harvesting sponsored by Surface Water Investigation Department (SWID), Govt. of West Bengal  
Amdedkar Memorial Lecture to commemorate sesquicentennial birth centenary of Dr. B.R. Ambedkar, organized with Tathya Sanskriti Bibhag, North 24 Parganas. | 10.02.2015  
25.07.2014 |
| 11. | HEPSN Committee and Equal Opportunity Cell | One day seminar on ‘Protection of Child Rights’ organized by West Bengal Commission for Protection of Child Rights. Speaker: Indu Sekhar Mukherjee, Ushree Musherjee. | 29.03.2015 |
A short seminar on the title “The Role of Mass Media in Creating Social Awareness for The Differently Able”.  
27.03.2015  
19.08.2013 |
2.3.7. Detail (process and the number of students/benefitted) on the academic, and psycho-social support and guidance services (professional counseling/mentoring/academic advice) provided to students?

The College has successfully conducted the UGC Entry-in-Services Programme to provide career related mentoring to many students. For details of the programme, kindly refer to Table 1.3 under Criterion-I. The College has also undertaken UGC funded remedial classes from 2010-2013. Details of this programme is given in Table 2.12 below.

Besides these the College arranges for tutorial classes within class hours for further academic guidance. By and large the faculty, who share a genial relationship with the students offer both academic counseling for further studies as well as psycho-social counseling, wherever required. This year the Career and Counselling Cell of the College collaborated with EIILM to arrange professional career guidance and training for final year students. The College is also planning to open up a psychological counseling cell for the students with a visiting Counselor.

*Table 2.12: Number of Classes Held under UGC Remedial Programme during past few Years*

<table>
<thead>
<tr>
<th>Subject</th>
<th>2010-2011 Fund Allocated (Recurring) Rs.1,00,000/-</th>
<th>2011-2012 Fund Allocated (Recurring) Rs.4,20,000/-</th>
<th>2012 to 2013 September Fund Allocated (Recurring) Rs.1,50,000/-</th>
<th>2013-2014 (Fund yet to be received)</th>
<th>2014-2015 (Fund yet to be received)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number of Classes Held</td>
<td>Number of Classes Held</td>
<td>Number of Classes Held</td>
<td>Number of Classes Held</td>
<td>Number of Classes Held</td>
</tr>
<tr>
<td>UG PG</td>
<td>UG PG</td>
<td>UG PG</td>
<td>UG PG</td>
<td>UG PG</td>
<td>UG PG</td>
</tr>
<tr>
<td>English</td>
<td>30 80</td>
<td>35</td>
<td>30</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>Geography</td>
<td>35 146</td>
<td>35</td>
<td>32</td>
<td>35</td>
<td></td>
</tr>
<tr>
<td>History</td>
<td>35 179</td>
<td>50</td>
<td>50</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>Philosophy</td>
<td>30 100</td>
<td>30</td>
<td>30</td>
<td>35</td>
<td></td>
</tr>
<tr>
<td>Political Science</td>
<td>25 30</td>
<td>30</td>
<td>30</td>
<td>35</td>
<td></td>
</tr>
<tr>
<td>Sanskrit</td>
<td>20 95</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>Botany</td>
<td>40 20</td>
<td>141</td>
<td>35</td>
<td>35</td>
<td>40 40</td>
</tr>
<tr>
<td>Chemistry</td>
<td>50 100</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>30 80</td>
<td>25</td>
<td>25</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>20 10</td>
<td>20</td>
<td>14</td>
<td>15</td>
<td>20 20 20</td>
</tr>
<tr>
<td>Zoology</td>
<td>30 20</td>
<td>100</td>
<td>37</td>
<td>33</td>
<td>35 35 45 35</td>
</tr>
<tr>
<td>Total</td>
<td>345 50</td>
<td>1,071</td>
<td>367</td>
<td>83</td>
<td>352 85 400 90</td>
</tr>
</tbody>
</table>
2.3.8. Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

Keeping in mind the changing mindset of students the teachers strive to generate and involve students’ interest in the course. The following methods were implemented in the last four years:

a. Organization of seminars, special talks by invited speakers and students seminars.
b. Using ICT in classroom teaching
c. Using films and documentary as supportive material
d. Through debates, quizzes and wall-magazines.
e. Conducting educational tours. These initiatives are not limited to science departments only.

Social science departments too involve the students in such educational tours, like Department of History arranged trips to the Indian Museum.

2.3.9. How are library resources used to augment the teaching-learning process?

The library is constantly in use by the students. The central library houses more than 80,000 books (including a book bank) and subscribes about 20 journals. Apart from the central library, there are seminar libraries attached to all individual departments. The Libsys software, consisting of Cataloguing Bibliod and Utility facilities, have made it more user-friendly. The library has joined INFLIBNET (Information and Library Network) and has acquired institutional membership of The British Council Library, Kolkata. Both provide access to a wide number of e-journals and research inputs and material available on the internet. These can be utilized by teachers and students alike through specially generated user-ids from any internet portal, even if he is not physically present in the college.

The Library provides:

- Air-conditioned Reading room facilities and reference services
- Internet-access
- E-learning facilities
- E-journals and research theses made available by British Council Library, Kolkata
- Home lending of books
- Photocopying facility for postgraduate students.
2.3.10. Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If ‘yes’, elaborate on the challenges encountered and the institutional approaches to overcome these.

Natural calamities, strikes, general elections, delay in University examinations and in-service transfer of faculty usually threaten to disrupt the Academic Calendar. In order to prevent disruption of the Academic Calendar teachers reschedule routines and arrange for extra-classes, at times even during long holidays to complete the syllabus.

2.3.11. How does the institute monitor and evaluate the quality of teaching-learning?

The monitoring of the teaching-learning process is done through a graded method:

- On a central level, the IQAC keeps a constant vigil on the academic processes of the College. It checks and keeps record of the functioning of the faculty and the students.
- Internal academic audits by the IQAC are a mechanism to supplement its monitoring.
- Teachers constantly monitor students’ attendance through regular attendance records. Students’ progress is also evaluated through class assessments and/or tests.
- If any student is found with poor attendance or appears disinterested in learning, then the teachers discuss the matter separately with the concerned guardians.
- Regular Parent-Teacher meetings are conducted to apprise the guardians about the academic affairs of the College and the progress of their wards.
- The Principal monitors the functioning of the departments by regularly checking the Teachers Daily Self Appraisals and conferring with HoDs on pertinent matters.
- All academic activities are decided through the Teachers’ Council.
- The College also informs and involves the Students’ Union and the Alumni to muster support to ensure optimum results from Teaching-Learning.

2.4 Teacher Quality

2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum.
The College is guided by the recruitment policy of Government of West Bengal and so it cannot appoint regular faculty on its own. The recruitment of the teaching staff is made as per existing rules following UGC norms by the Department of Higher Education through the Public Service Commission, West Bengal. However, the College is empowered to engage eminent faculties as Guest Teachers. The Postgraduate departments in particular invite senior retired academicians to deliver course lectures or special lectures.

2.4.2 How does the institution cope with the growing demand/scarcity of qualified senior faculty to teach new programmes/modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.

Along with an established PG Course in Botany, the college has introduced PG Courses in Zoology, Bengali and Physics since the last visit of the Peer Team of NAAC in 2009. In these courses, several renowned teachers have been appointed as Guest Faculty. The college is yet to introduce any new programme on emerging areas of study like Biotechnology, IT,
Bioinformatics etc. However, Microbiology as special paper has been introduced in the PG department of Botany to meet the requirements of emerging fields. Also PG Course in Chemistry will be introduced soon as the necessary approval from the University has been obtained. The number of guest faculty in PG departments is shown in the table below:

**Table No. 2.14: Details of Guest/Visiting Faculty associated with the PG Departments**

<table>
<thead>
<tr>
<th>Name of the Department</th>
<th>Name of the Teacher</th>
<th>Qualification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Zoology</strong></td>
<td>Dr. Deboprasad Chakrabarty</td>
<td>M.Sc. PhD</td>
</tr>
<tr>
<td></td>
<td>Dr. Madhusudan Ghosal</td>
<td>M.Sc. PhD</td>
</tr>
<tr>
<td></td>
<td>Dr. S.K. Gupta</td>
<td>M.Sc. PhD, D.Sc.</td>
</tr>
<tr>
<td></td>
<td>Dr. Rupendu Roy</td>
<td>M.Sc. PhD</td>
</tr>
<tr>
<td></td>
<td>Dr. Swadesh Duttagupta</td>
<td>M.Sc. PhD</td>
</tr>
<tr>
<td><strong>Botany</strong></td>
<td>Prof. Timir Baran Jha</td>
<td>M.Sc. PhD</td>
</tr>
<tr>
<td></td>
<td>Dr. Manas Majumder</td>
<td>M.Sc. PhD</td>
</tr>
<tr>
<td></td>
<td>Dr. Arun Kr. Banerjee</td>
<td>M.Sc. PhD</td>
</tr>
<tr>
<td><strong>Physics</strong></td>
<td>Dr. Subhas Ch. Kar</td>
<td>M.Sc. PhD</td>
</tr>
<tr>
<td></td>
<td>Dr. Swapan Kr. Das</td>
<td>M.Sc. PhD</td>
</tr>
<tr>
<td></td>
<td>Dr. Prabir Paul</td>
<td>M.Sc. PhD</td>
</tr>
<tr>
<td></td>
<td>Dr. Abhijit De</td>
<td>M.Sc. PhD</td>
</tr>
<tr>
<td></td>
<td>Dr. Gour Bhattacharya</td>
<td>M.Sc. PhD</td>
</tr>
<tr>
<td></td>
<td>Dr. Saibal Roy</td>
<td>M.Sc. PhD</td>
</tr>
<tr>
<td></td>
<td>Dr. Debapriyo Syam</td>
<td>M.Sc. PhD</td>
</tr>
<tr>
<td></td>
<td>Dr. Pradip Kumar Dutta</td>
<td>M.Sc. PhD</td>
</tr>
<tr>
<td><strong>Bengali</strong></td>
<td>Many eminent faculties and persons related to Bengali Literature have been associated with this Department, to impart lectures and specific knowledge. Due to the space constraint, names of everybody cannot be accommodate here. For details list of all such visiting faculty, kindly refer to the Profile of the Department of Bengali in Part-E of this document.</td>
<td></td>
</tr>
</tbody>
</table>
2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

A. Nomination to staff development programmes

Table No. 2.15: Number of Staff Development Programmes Attended by Teachers

<table>
<thead>
<tr>
<th>Academic Staff Development Programmes</th>
<th>Number of faculty nominated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refresher courses</td>
<td>33</td>
</tr>
<tr>
<td>HRD programmes (Faculty Development Programmes)</td>
<td>02</td>
</tr>
<tr>
<td>Orientation programmes</td>
<td>15</td>
</tr>
<tr>
<td>Staff training conducted by the university</td>
<td>--</td>
</tr>
<tr>
<td>Staff training conducted by other institutions</td>
<td>--</td>
</tr>
<tr>
<td>Summer/winter schools, workshops, etc.</td>
<td>01</td>
</tr>
</tbody>
</table>

B. Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning.

Though the College does not have a formal structure to organize training programme for the faculties on aspects like Teaching-Learning methods, Handling new curriculum, Content Management, Handling of Enrichment Materials, Audio-Visual Aids, Open Educational Resources, Handling of Learning Material etc., these are nonetheless taken care of subliminally through various informal networks within and outside the institution. There have been several sustained in-house methods to update the knowledge-pool through new modes and technologies for disseminating the same to the students.

- **Teaching learning methods/approaches:** Refresher Courses/ Orientation Programmes/ Summer Schools/Workshops to acquire new knowledge assures faculty enrichment and an upgrading of the teaching process. The College authority ensures such participation by teachers without disrupting the normal academic schedules.

- **Handling new curriculum:** The Faculty is in constant communication with the members of the Board of Studies of WBSU to take advice on new aspects in the curriculum. Teachers are encouraged to attend workshops arranged in this regard and implement the inputs from the workshop within the academic framework of College.

- **Content/knowledge management:** This is primarily ensured through Refresher Courses which is aimed for upgrading knowledge management. Use of ICT aids also
help both faculty and students to negotiate emerging areas of knowledge.

- **Selection, development and use of enrichment materials:**
  
  Selection: UG departments have limited option in this area as they have to follow syllabus determined by the University. However many teachers of different departments are members of the BoS of the WBSU and they regularly participate in the syllabus restructuring. BoS of the PG departments are regularly update the syllabus and incorporate emerging areas for special papers. Even some UG departments offer optional modules within the curriculum. For instance the department of English offers both modern American Literature in English and Indian Writings in English as optional group in Paper-VIII, where most institutions offer only one option.

  Development and Use: Teachers are constantly developing power-point presentations to make the teaching-learning process more interesting. All the departments have adopted to the ICT driven methods of teaching-learning. New software have been utilized by different science departments. For details on the use of software, kindly refer to the response under Point No. 2.3.5.

- **Assessment:** The IQAC constantly reviews the practice of the new methods within the teaching-learning programmes. Good practices and roadblocks in these new methods are discussed with the teachers. The feed-back from students also inform us about the success and importance of these assessment methods.

- **Cross cutting issues:** Special programmes are organized by the College on gender sensitization, environmental protection, human rights, child rights etc. to highlight these socially pertinent concerns as well as to enlighten teachers and students on current laws pertaining to these issues.

- **Audio Visual Aids/ multimedia:** The College always encourages the teachers to use Power point presentations, multimedia presentations/demonstrations, films etc. in regular classes. Bonhomie among fellow teachers ensure that technological know-how does not remain limited to a few teachers and is spread among all the teachers.

- **OER’s:** Open educational resources (OERs) such as free software, wikis, academic resources out of the purview of copyright, resources from the internet etc. are used by teachers to enrich the students.
• **Teaching-learning material development, selection and use:** Methods for selection of traditional teaching-learning material such as books, journals etc. by the teachers is constantly reviewed. The College Library also provides e-learning facilities through its networking with INFLIBNET and the British Council Library. So far as development of teaching-learning material is concerned, teachers are encouraged to write books, contribute articles or chapters in books/journals to enrich the available resources.

C. **Percentage of faculty**

<table>
<thead>
<tr>
<th>Invited as resource persons in Workshops/Seminars/ Conferences organized by external professional agencies</th>
<th>34%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Participated in external Workshops/Seminars/ Conferences recognized by national/international professional bodies</td>
<td>95%</td>
</tr>
<tr>
<td>Presented papers in Workshops/ Seminars/ Conferences conducted or recognized by professional agencies.</td>
<td>90%</td>
</tr>
</tbody>
</table>

2.4.4 **What policies/systems are in place to recharge teachers?** (e.g. providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.)

Being a government college, the institute itself has no authority of its own to provide research grants or study leaves. The college authority, however, always encourages the teacher to apply for research grants from various agencies. Many teachers are conducting research by associating with agencies like UGC, CSIR, DST, WBDST, ICMR, CSSS and have been awarded major and minor research projects and are being funded accordingly.

There is an internal Research Committee in the college which monitors the research activities of the faculty. The teachers are also given leave to present papers in various seminars and conferences within and outside the state of West Bengal. If any teacher applies for study leave under Faculty Development Programme, the sanctioning of the same is considered by the Higher Education Department, Government of West Bengal. The college teachers show zeal and enthusiasm to pursue research activities which get reflected by the significant number of academic publications in national and international journals. The college also promotes research orientation by creating the platform for publishing peer reviewed articles in ‘Aureole’,...
the institutional academic journal (ISSN 0976-9625), where many faculty members from this institution and other institutions have published acclaimed research paper.

2.4.5 Give the number of faculty who received awards/ recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/ achievement of the faculty.

Ambarish Sen has received a State award for performance and achievement as a Disabled Person in the field of Academics in December, 2011. Our Librarian Dr. Arun Roy had received an award titled ‘Tinkari Dutta Memorial Award’ for writing best article in the journal named ‘Granthagar’. Even though the other faculty members do not have such accolades it does not in any way undermine their potential to receive such awards, as most are competent as teachers and dedicated researchers. The College will consider ways to generate an environment that would urge the faculty out of their self-effacement.

2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?

The college follows the practice of evaluation of teachers by the students through feedback forms. Students, especially the outgoing students of both UG and PG Courses, fill the feedback forms. The forms are analyzed by the IQAC and they are discussed with the departmental teachers in the presence of the Principal. Suggestions, if any, are offered to the teachers to improve the standard of teaching-learning. Internal academic audit by IQAC also serves the purpose for evaluation of teachers’ performance. Assessment by external peers is conducted during Career Advancement Programmes, which takes place continually.

2.5 Evaluation Process and Reforms

2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?

Notifications for all examinations are circulated through the college notice boards and departmental notice boards. The internal assessment papers are always shown to students and
the marks obtained by students are submitted to the tabulation committee for maintenance of records. The findings of the Result-review Committee is discussed extensively in the meetings of the Teachers’ Council. Often teachers conduct several sessions to discuss the results with the students, which helps them to understand not only the subject matter but also the marking pattern. As most of the faculties are involved in the University’s assessment process as paper setter/moderator/examiner they have a first-hand understanding of the evaluation process at the University level and can thus be depended upon to provide competent guidance to the students.

2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?

As per the guidelines of the University, the College has adopted the 1+1+1 method of evaluation for the UG course, instead of the earlier 2+1 method. In order to implement these new structures, the college has changed its half-yearly examinations into class assessments and a ‘Test’ at the end of the annual UG sessions. This has allowed the institution to keep a regular tab on the students’ performance. Often the marking pattern of few subjects are altered by the respective BoS of the University and the Departments suitably accommodate such pattern.

While some of the PG courses were following the annual method of evaluation earlier, currently all the PG departments have adopted the semester system to focus on continuous evaluation. The qualitative aspects are ensured through evaluation of students by external members. Seminars are part of the curriculum, where students present independent papers.

2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

The College has undertaken the following measures to implement the evaluation reforms:

i) The University has provisions for re-evaluation of answer scripts for those students who may remain dissatisfied with their score. Departmental teachers discuss and familiarize the students about the scope of such system. Often they recommend those advanced learners who have fared poorly, to consider this option. There have been instances when the observation of the Departmental teachers has benefitted students.

ii) The University has provisions to show answer scripts to students under RTI. The College provides complete support to those individual students who wish to assess the evaluation of one’s scripts through this method.
iii) The College has substituted the half-yearly Tests with Class-assignments/ Tutorials/paper presentations and similar methods of systematic continual evaluation.

iv) Test examination is modelled on the question pattern that the University provides through their model questions. This makes the exercise fulfilling as it gives students a chance to assess their preparations in a setting akin to the real time environment.

v) For smooth conduction of examinations, Teachers’ Council of the college constitutes different Examination Committees (for Part-I, Part-II and Part-III). The teachers perform tirelessly to ensure a full-proof examination system. An Internal Examination committee is also constituted to oversee the internal Tests examinations.

vi) The tabulation Committee maintains a record of the marks obtained by each student in the different internal assessments. Findings of the committee are discussed in results-review meetings, attended by all teachers of the College.

vii) The College Office is involved in the Examination processes through the University Registration processes, distribution of admit cards and UG Grade-Cards. The Office also maintains a record of the number of students appearing in the examination and preserves the gazettes published by the University with the data of examinee’s marks.

All these methods ensure that the evaluation is complete and well-documented.

2.5.4 Provide details on the formative and summative assessment approaches adopted to measure student achievement. Cite a few examples which have positively impacted the system.

To ensure that student assessment is continual and definite, the College conducts regular class tests and annual Test examination. Formative Assessment is carried out by the evaluation of the students through class tests, tutorial tests, performance of the students in the class and students seminar etc. Evaluated scripts are shown to the students so that they could identify as well as rectify their mistakes.

Summative Assessment is carried out through the university examinations which are held annually in the UG Courses (1+1+1 Pattern) and semester wise (four semesters) in the PG Courses. On several occasions the Heads of the Departments encouraged the students to apply
for application for Review of answer scripts, in support of the student’s claim for higher grades. The student’s past records in College examinations provide the Heads of the Departments with supportive data for such action. There have been instances when the observation of the Departmental teachers has benefitted students.

**Photograph 2.5: Performance of PG Students being evaluated by External Evaluators**

2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightage assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.

The college strictly maintains transparency in the internal assessment of students. The teachers adhere to the pattern of evaluation prescribed by the University. Record of marks of internal examinations and class tests are maintained by respective departments and by the Tabulation Committee. Departments organize paper presentations, group discussions, debate, quiz in order to extract the best from each student. Students also participate in different intra, and inter-college co-curricular and extra-curricular activities. Teachers usually judge intra-college competitions, which foments student-teacher bonds, as well as gives the teachers added information on the students’ abilities, thus providing greater scope for a holistic assessment.
2.5.6 What are the graduate attributes specified by the college/affiliating university? How does the college ensure the attainment of these by the students?

The graduate attributes of the college are specified in the stated goals and objectives of the college:

- The College makes an effort to mould its students into talented professionals in their respective fields of study.
- In this regard, self-reliance and skills in communication, coordination, planning, management, academic writing, and presentation skills are also expected from the students so that they can undertake any career that demand these skills.
- The College strives to create sense of accountability within the students and to ensure accountability to the society at large.

The college ensures the attainment of these attributes by the students in the following ways:

- Providing a harmonious ambience within the institution where students can fulfill their potentials.
- Undertaking rigorous programmes of teaching-learning through which students can acquire the above mentioned skills.
- Emphasizing co-curricular and sports related activities to inculcate the importance of holistic view of education among students.
- Encouraging the students to participate in extension activities for community orientation.

2.5.7. What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?

In case of grievances regarding evaluation at the College level, following steps are followed:

- Answer scripts are shown to the students. The concerned teacher often explains to the students their weak points and ways for better performance.
- If not satisfied, the students may directly approach the Head of the Department with their grievance.

For redressal of grievances with reference to evaluation at the University level, following steps are followed:
The students may apply for scrutiny or review of answer scripts, which is duly forwarded by the College authority.

The University has provisions to show answer scripts under RTI. The College provides complete support to any individual student who wishes to assess the evaluation of one’s scripts through this method.

Students can also approach the Controller of Examinations or the Vice-Chancellor for intervention on their part, with regard to any anomalies. The institution supports the students’ cause in such cases.

2.6. Student performance and Learning Outcomes

2.6.1 Does the college have clearly stated learning outcomes? If ‘yes’ give details on how the students and staff are made aware of these?

One of the missions of the College pertains to the all-round development of its students. Students are provided with the opportunities required to identify and develop their inherent qualities to help them flourish as responsible and sensitive citizens.

The College thus gives equal importance to:

Sports Activities – facilities for both indoor and outdoor sports activities are available at the College. Volley-ball courts and badminton courts have been set up. Table-tennis equipment have been refurbished. Competition for these court and table games are also conducted throughout the year. There is a well-equipped multi-gym facility in the College. The annual athletic meet provides a platform for the students to showcase their skills.

Yoga – Recently the College has also undertaken initiatives to facilitate the practice of Yoga. These programmes are organized in order to inculcate inner strength and confidence in each student so that they may be able to meet the challenges of life with courage and good sense.

Cultural Activities – Cultural programmes are organized annually through competitions, college social days and special programmes by departments to mark special days like Rabindra Jayanti, Bhasha Divas, Vana Mahotsava, Teachers’ Day and so on.

Value based programmes on social and health issues like child rights, thalassemia, kala-azar, rights of the differently abled, gender sensitization, human rights etc. have been organized.
2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide analysis of the students’ results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.

**Table 2.16: Performance record of Students in Part-III Examination for last four years**

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<th>2013</th>
<th>2014</th>
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<tr>
<td></td>
<td>Passed- 96.86%</td>
<td>Passed-82.15%</td>
<td>Passed-81.2%</td>
<td>Passed-91.41%</td>
</tr>
</tbody>
</table>
The progress and performance of every student is closely monitored throughout the course by the respective departments.

- After each internal examination, results are displayed on the departmental notice boards.
- After the declaration of University results, the same is displayed on the College notice board.
- The IQAC monitors the results of the students and tries to overcome any lacuna in the teaching-learning process in consultation with individual Departments.
- The Departments organize Parents-Teachers Meeting where teachers discuss the performance of students and suggest ways of improvement.

### 2.6.3 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

The Institution promotes learning through assignments, seminars, project works and practical sessions, through which the students acquire and develop skill in collecting, processing and presenting relevant data, and also develop dexterity in communication, co-ordination, planning management and academic writing.
The Institution encourages field visits and other such academic engagements by which the students develop their knowledge, consciousness on conservation and nature and social orientation. Students and staff are made aware of these through academic calendar, classroom teaching and interactive sessions. A basic computer-training course is arranged within the College campus for all students, in collaboration with NIELIT.

PG departments equip their students to undertake quality jobs with higher education and materialize their career ambitions. The Career Counselling Cell of the College and the College Library stocks resource materials containing information on recruitment processes, higher education institutions and quality jobs. Co-curricular group activities like NSS and cultural programmes foster self-development, community service, national integration and accountability towards the society in general.

2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among students etc.) of the courses offered?

In the introductory classes of any course, teachers make the new students aware of the social and economic relevance of the course. Teachers focus on how the study of the courses can be economically and socially significant and explain the job opportunities and scope of further studies and research work in the respective subject. Departments organize invitational lectures to discuss the issues relating to impact of studying the subjects in the society.

The UGC Funded Entry-in-Services Course offers guidance to the students for qualifying in different competitive examinations. Many aspirants of this institution and others have benefitted from such course. However, it is the Career Counseling Cell of the College which takes active role to inform the students about different career opportunities. Various such programmes of the Cell is being shown in the following table.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Institute/Organization/Expert</th>
<th>Topic/Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>11.03.13</td>
<td>IFB Agro Industries Ltd.</td>
<td>Career in Fisheries (for students of Zoology)</td>
</tr>
<tr>
<td></td>
<td>11.03.13</td>
<td>EPITOME</td>
<td>Career Orientation</td>
</tr>
<tr>
<td></td>
<td>11.03.13</td>
<td>IIJT</td>
<td>Career Orientation</td>
</tr>
<tr>
<td></td>
<td>11.12.13</td>
<td>NIC Institute of Technology</td>
<td>Skill Development of the Unemployed Youth</td>
</tr>
<tr>
<td></td>
<td>11.12.13</td>
<td>“STAR PROJECT PROGRAM” Launched by Ministry of Finance, Govt. of India</td>
<td></td>
</tr>
<tr>
<td></td>
<td>22.07.13</td>
<td>Digital Network Appliances</td>
<td>Network</td>
</tr>
<tr>
<td></td>
<td>22.07.13</td>
<td>5 Teachers Group</td>
<td>WBCS Examination</td>
</tr>
<tr>
<td></td>
<td>26.08.14</td>
<td>Consulting Management Incorporate Pvt. Ltd.</td>
<td>Personality Development</td>
</tr>
<tr>
<td></td>
<td>26.08.14</td>
<td>Pidilite</td>
<td>Profession in fabric related work</td>
</tr>
<tr>
<td></td>
<td>26.08.14</td>
<td>ITM-Group of Institution</td>
<td>Career building</td>
</tr>
<tr>
<td></td>
<td>09.09.14</td>
<td>ICFAI Group</td>
<td>Soft Skill Development &amp; Group Discussion</td>
</tr>
<tr>
<td></td>
<td>09.09.14</td>
<td>The George Telegraph Training Institute. “Barasat Group”</td>
<td>Professional Courses &amp; their Prospects</td>
</tr>
<tr>
<td></td>
<td>19.11.14</td>
<td>Eastern Institute for Integrated Learning in Management (EIILM)</td>
<td>Workshop on CV Writing, GD skills, Interview skills, and Career Counselling</td>
</tr>
<tr>
<td></td>
<td>03.12.14</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>10.12.14</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>18.12.14</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>16.03.15</td>
<td>BRAINWARE</td>
<td>Engineering &amp; Technological Courses &amp; Vocational Courses</td>
</tr>
<tr>
<td></td>
<td>16.03.15</td>
<td>RTG Animate – Animation Academy</td>
<td>Animation Courses &amp; Prospects</td>
</tr>
</tbody>
</table>

2.6.5 How does the institution collect and analyze the student performance and learning outcomes and use it for planning and overcoming barriers of learning?

- Each department maintains data of the students’ performance in college and university examinations. These data are analyzed and reviewed by the IQAC. If any matter requires general discussion, it is discussed in the Teachers’ Council Meeting. These data are also used to prepare the Annual Quality Assurance Reports and annual AISHE reports.
• In the Departmental Meetings, the performance of the students is discussed. Slow learners are identified and tutorial/remedial classes are arranged for them. The feedbacks from the Parents-Teachers Meeting of each department are also collected and analyzed by the IQAC.

2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?

The institute tries to monitor and ensure the quality of the teaching-learning in various ways.

• The departmental teachers constantly monitor the performance of the students. Besides judging their performance through classroom teaching, Departments arrange for surprise tests.
• The Principal of the college constantly interacts with the Departmental Heads and with individual teachers, to improve the quality of teaching process and increase the academic productivity. The Principal also monitors the Daily Self-Appraisal of individual teachers.
• The IQAC makes suggestions to the departments regarding the effective way of teaching-learning. The performance of the teachers gets reflected in the Annual Quality Assurance Report. Assessment of formal and informal feedbacks from different stakeholders help the process of monitoring the teaching and learning in the college.

Photograph 2.6: PG students during an Examination
2.6.7. Does the institution and individual teachers use assessment/evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If ‘yes’ provide details on the process and cite a few examples.

Yes, the institution and individual teachers use assessment outcomes as an indicator to evaluate student performance, achievement of learning objectives and planning.

The institution and the faculty members assess the students on the basis of the internal examinations like class tests/tutorial tests etc. After the evaluation of the answer scripts, the teachers show the evaluated answers scripts to the students pointing out the deficiencies of the answer. This helps the students to identify and consequently rectify their errors and achieve good performance in the university examination.

On the basis of the individual assessment of the students, the faculty members guide different students for different openings. Often advanced learners are groomed for advanced courses whereas slow learners are encouraged to elevate their academic level.

Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.

The College encourages inter-department interactions through organization of academic and co-curricular events in order to break down the myopic compartmentalization of learning. Inter-disciplinary seminars organized by humanities departments also witness enthusiastic participation from faculties of science disciplines. Students from all the departments participate in the discussions. The Department of Comparative Literature, West Bengal State University, conducted a workshop on The Prospects of Comparative Literature (Jan 07, 2015) to encourage students to break-down conventional barriers and adopt holistic learning. In future, the College also intends to avail the scope of virtual laboratories, open educational resources, mobile education and collaborative programmes with other institutes.
CRITERION – III

RESEARCH, CONSULTANCY

AND EXTENSION
3.1. Promotion of Research

3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency/organization?

Teachers of both postgraduate and undergraduate departments are involved in active research work which is reflected by a considerable number of major and minor research projects sponsored by UGC and other funding agencies (Please refer to 3.2.7). Many teachers of the college are also involved in guiding students for doctoral work in Ph.D. level under affiliation of WBSU and other universities all over India (please refer to section 3.1.5).

3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

Yes, a Research Committee is formed in accordance with UGC guidelines, representing both the Arts and Science streams whose composition is as follows:

1. Principal
2. Prof. Pradip Mukherjee (Convenor), Department of Physics
3. Dr. Arup Bandhyopadhyay, Associate Professor, Department of Chemistry
4. Dr. Basabi Roy Chowdhuri, Associate Professor, Department of English

The Committee informs teachers about various Research schemes and Fellowships as advertised by different Govt. and other funding agencies, encourages them to apply for the same and screens project proposals funded by different agencies.

A large number of successful projects (Table 3.6) bear testimony to the way the Committee promotes and directs research in the College.

Recommendations of the committee:

- To encourage Faculty members who are yet to pursue the PhD to register forthwith. The basic concept is to encourage the teachers for academic excellence and for newly developed Career Advancement Scheme (CAS) criterion.
Teachers who have completed PhD are encouraged to carry out inter and intra departmental collaborative research in possible cases. Followings are the few examples of sanctioned Major/Minor research projects recommended by the Research Committee.

**Table 3.1: Select Research Projects as per Recommendation of the Research Committee**

<table>
<thead>
<tr>
<th>Sl No.</th>
<th>Title of the project</th>
<th>Name of the Teacher and Department</th>
<th>Funding agency</th>
<th>Sanction No. and Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Sakaler Puran</td>
<td>Antara Banerjee, Department of Sanskrit</td>
<td>UGC Minor Project</td>
<td>PHW-251/13-14 dt. 18.03.2014</td>
</tr>
<tr>
<td>2.</td>
<td>Surrogate Motherhood: Empowerment or Exploitation</td>
<td>Mrinal Kanti Sarkar, Department of Philosophy</td>
<td>UGC Minor projects</td>
<td>PHW-250/13-14 ID No. WBS-039 dt. 18.03.2014</td>
</tr>
<tr>
<td>4.</td>
<td>Morphological, palynological and molecular characterization of eastern Himalayan <em>Capsicum</em></td>
<td>PI: Dr. Saikat Naskar, PG dept. of Botany; Co-PI: Prof. T.B.Jha</td>
<td>UGC Major Project</td>
<td>Yet to be sanctioned</td>
</tr>
</tbody>
</table>

• Faculty members will be motivated to avail financial assistance for research from different organizations and agencies like UGC, DST, CSIR etc.
• Faculties are asked to submit a copy of the report of the project to the Research Committee. Recommendation of the Committee members is mandatory before the proposals are forwarded to the Principal for submission to the respective funding agencies.
• To increase inter-disciplinary interactions through collaborative seminars. Several such seminars have been organised by both arts and science departments. (Details in Table 3.8)
Impact:
The successful functioning of the research committee is obvious from
a) the number of ongoing/completed minor/major research projects that the Institution has
supported in the last five years;
b) the respectable number of state/national level seminars and workshops organised
severally by different departments in this period;
c) the increase in the number of students’ seminars that have been organised in this period,
proving a developing research culture among the students.

3.1.3 What are the measures taken by the institution to facilitate smooth progress and
implementation of research schemes/projects?
Institutional support is provided to enable implementation of research schemes in the following
ways:

- Full autonomy is given to the Principal investigator for smooth conduct of the research
  project.
- Funds sanctioned by the different agencies are released without delay as and when
  required by the researcher.
- The College provides major infrastructural facilities like library, laboratory, computer
  and internet facilities to pursue research activities. Central Instrument Facility containing
  sophisticated instruments are available (especially for Science departments) to
  researchers to carry out advanced investigations.
- Teachers in general are permitted to carry out their research work during summer and
  Puja vacations. Besides, one day per week is allotted for preparatory/research work.
  There is also a provision for Study Leave as per WBSR with prior approval from the
  Higher Education Department for completing research work. The teachers may also
  avail this facility under FDP scheme of UGC if required.
- Teachers who are pursuing M.Phil. / PhD and required to attend Course Work are
  provided with flexible working schedule. Duty Leaves are given to interested teachers
  who will present papers/participate in seminars and conferences.
- Laboratory facilities, equipments, Internet, LAN and other ICT enabled research support
  system, etc. are made available to researchers (details in Section 3.3).
- All research grants and expenditure are audited by qualified auditors of auditing firms.
  The final audit report and Utilisation Certificates are sent to the funding agencies in due
time.
3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

The major steps taken to enhance the research environment and scientific disposition among students are:

- Increase in Seminars expose students to greater interactions beyond the syllabi and develop their research acumen.
- Special Lectures by eminent academicians and researchers are organised in order to instil research interests in students.
- Dissertations with viva-voce are mandatory in PG programmes. This ensures that each student has an opportunity to demonstrate their individual research aptitudes.
- Seminar Library sessions allow students to access important books and be guided towards important journals/books by their teachers. PG students, in particular are encouraged to read recent research papers.
- Departmental seminars, student seminars, science based contests, exhibitions, training programmes are regular features of both UG and PG programmes.
- Workshops on emerging techniques (e.g. Biosciences) are organised and eminent scientists are invited to impart hands on techniques to the students.
- Access of online journals through INFLIBNET and off-campus library facility through institutional membership of British Council Library has been introduced to enhance the research environment.
- Several UG and PG Departments offer special modules on interdisciplinary and emerging areas in gender and films.
- The Undergraduate course of Geography incorporates Field Work (carrying 25 marks in B.Sc. Part-III Hons.) where the students have to submit a Field Report working as a Team. Excursions and educational tours (included in Field work) are compulsory in the UG and PG curriculum of Zoology and Botany as well. This inculcates research orientation and interest among the UG as well as PG students. Some of the places visited by the students of these Departments are given below:
Table 3.2: *List of Educational Excursions and Field Visits organized by Different Departments*

<table>
<thead>
<tr>
<th>Department</th>
<th>Place of Educational Excursion</th>
<th>Year of Visit</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Botany</strong></td>
<td>Darjeeling and Sikkim, B.Sc. 2nd year</td>
<td>November 2010</td>
</tr>
<tr>
<td></td>
<td>Uttarakhand, M.Sc. Sem-III</td>
<td>September 2010</td>
</tr>
<tr>
<td></td>
<td>Uttarakhand, M.Sc. Sem-III</td>
<td>September 2011</td>
</tr>
<tr>
<td></td>
<td>Madhyapradesh, B.Sc. 2nd year</td>
<td>November 2011</td>
</tr>
<tr>
<td></td>
<td>Darjeeling and Dooars, B.Sc. 2nd year</td>
<td>November 2012</td>
</tr>
<tr>
<td></td>
<td>Darjeeling and Sikkim, B.Sc. 2nd year</td>
<td>November 2013</td>
</tr>
<tr>
<td></td>
<td>Mangalore, Ooty, Mysore, M.Sc. Sem-III</td>
<td>September 2014</td>
</tr>
<tr>
<td></td>
<td>Darjeeling and Sikkim, B.Sc. 2nd year</td>
<td>November 2014</td>
</tr>
<tr>
<td><strong>Zoology</strong></td>
<td>Bandhavgarh and Kanha National Park</td>
<td>2011-2012</td>
</tr>
<tr>
<td></td>
<td>Zoological Garden and National Museum, Kolkata</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Kanha National Park</td>
<td>2012-2013</td>
</tr>
<tr>
<td></td>
<td>Zoological Garden and National Museum, Kolkata</td>
<td>2013-2014</td>
</tr>
<tr>
<td></td>
<td>Gir and Narara National Park</td>
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<tr>
<td></td>
<td>Navegaon Nagzira Tiger Reserve</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bandhavgarh National Park, Buxa Tiger Reserve</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Zoological Garden and National Museum, Kolkata</td>
<td></td>
</tr>
<tr>
<td><strong>Geography</strong></td>
<td>Panchmari, Madhya Pradesh</td>
<td>2010-2011</td>
</tr>
<tr>
<td></td>
<td>Falti-Beliaghata</td>
<td>2011-2012</td>
</tr>
<tr>
<td></td>
<td>Munnar, Kerala</td>
<td>2012-2013</td>
</tr>
<tr>
<td></td>
<td>Vizag-Araku, Andhra Pradesh</td>
<td>2013-2014</td>
</tr>
<tr>
<td></td>
<td>Jabalpur, Madhya Pradesh</td>
<td>2014-2015</td>
</tr>
</tbody>
</table>

*Department of Botany also conducted two local excursions each year for both UG and PG students at Jagadish Chandra Botanical Garden, Shibpore and surrounding areas of Barasat.

The postgraduate courses of Botany, Zoology and Physics incorporate field work and individual dissertation work for their M.Sc. students, which lay the foundation for research activity. The PG students are made to involve in various field work and data collection purposes in order to train them in some of the methodologies that are regularly used in research work.
<table>
<thead>
<tr>
<th>Department</th>
<th>Topic of Research</th>
<th>Name of student</th>
<th>Year</th>
<th>Supervisor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics</td>
<td>Probing Atoms by Scanning Tunnelling Microscope</td>
<td>Rahul Ghosh</td>
<td>2014</td>
<td>Dr. Sankar Mondal</td>
</tr>
<tr>
<td></td>
<td>Action Principles: the role of the boundary terms</td>
<td>Reet Chanda</td>
<td>2014</td>
<td></td>
</tr>
<tr>
<td></td>
<td>The Mysterious behaviours of the Abraham Lorentz equation</td>
<td>Souvik Das</td>
<td>2015</td>
<td>Dr. Pradip Mukherjee</td>
</tr>
<tr>
<td></td>
<td>Dynamical system analysis of Quintessence dark energy model</td>
<td>Soumik Aon</td>
<td>2015</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dynamical system analysis of ghost condensate dark energy model revisited.</td>
<td>Jani Islam</td>
<td>2015</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Unity in different formulations of Quantum Mechanics: A Study</td>
<td>Koushik Jana</td>
<td>2015</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chaos in electronic circuit</td>
<td>Atanu Kabiraj</td>
<td>2015</td>
<td>Dr. Srijit Bhattacharyya</td>
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<td></td>
<td>Chaos in diode</td>
<td>Putul Kundu</td>
<td>2014</td>
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<td></td>
<td>Investigation of the origin of sound from bubble rupture in boiling water</td>
<td>Sandipan Majumder</td>
<td>2015</td>
<td></td>
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<td></td>
<td>Superconductivity &amp; Levitation</td>
<td>Sayani Majumdar</td>
<td>2014</td>
<td>Dr. Dhananjoy Roy</td>
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<tr>
<td></td>
<td>Solar Cell: Management of Power and Pollution</td>
<td>Bijan Haldar</td>
<td>2015</td>
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<td>A Numerical Study on Oscillation: Scopes and Difficulties</td>
<td>Sukhendu Jana</td>
<td>2014</td>
<td>Dr. Somnath Bhattacharyya</td>
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<td></td>
<td>Ingradients of Chaotic System: A nonlinear oscillation approach</td>
<td>Subhankar Roy</td>
<td>2015</td>
<td></td>
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<tr>
<td></td>
<td>On Quantum Measurement Problem and Bell's Inequality</td>
<td>Dibyendu Deb</td>
<td>2014</td>
<td></td>
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<tr>
<td></td>
<td>Ladder operator approach in Quantum Mechanics</td>
<td>Debashish Debnath</td>
<td>2015</td>
<td>Dr. Jyotirmoy Maiti</td>
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<td></td>
<td>Origin and Evolution of magnetic field in neutron star by magnetic flux freezing method</td>
<td>Bhaskar Majumder</td>
<td>2014</td>
<td>Sutapa ghosh</td>
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<td>Switched capacitor circuit analysis</td>
<td>Ankan Hari</td>
<td>2014</td>
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<td></td>
<td>Relativistic particle model revisited</td>
<td>Esadul Islam</td>
<td>2014-15</td>
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<td></td>
<td>Unity in different formulations of Quantum Mechanics: A Study</td>
<td>Moumita Das</td>
<td>2014-15</td>
<td>Mina Mazumder</td>
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<td>Bengali</td>
<td>Title</td>
<td>Author</td>
<td>Year</td>
<td></td>
</tr>
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<td>------------------------------------------------------------------------</td>
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<td></td>
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<tr>
<td>Fiction</td>
<td>Parasuramer- Religion</td>
<td>Ria Ghosh</td>
<td>2014-15</td>
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<td>Fiction</td>
<td>Fiction</td>
<td>Apurba Kumar Pal</td>
<td>2014-15</td>
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<td>Drama 19th century and Bengali Drama</td>
<td>Drama 19th century and Bengali Drama</td>
<td>Rojina Khatun</td>
<td>2014-15</td>
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<tr>
<td>Novel</td>
<td>Novel</td>
<td>Swapna Dutta</td>
<td>2014-15</td>
<td></td>
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<tr>
<td>Modern Poetry</td>
<td>Modern Poetry</td>
<td>Soma Dey</td>
<td>2014-15</td>
<td></td>
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<tr>
<td>Tagore Literature</td>
<td>Tagore Literature</td>
<td>Susmita Das</td>
<td>2014-15</td>
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<td>Novel</td>
<td>Novel</td>
<td>Bakul Mazumder</td>
<td>2014-15</td>
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<tr>
<td>Short story</td>
<td>Short story</td>
<td>Ramen Das</td>
<td>2014-15</td>
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<tr>
<td>Drama</td>
<td>Drama</td>
<td>Tanmoy Mondal</td>
<td>2014-15</td>
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<td>Novel</td>
<td>Novel</td>
<td>Subhadra Nath</td>
<td>2014-15</td>
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<tr>
<td>Rabindranath: Short Story as Narative</td>
<td>Rabindranath: Short Story as Narative</td>
<td>Debanjana Banerjee</td>
<td>2014-15</td>
<td></td>
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<td>Rabindranath: Novel as Narative</td>
<td>Rabindranath: Novel as Narative</td>
<td>Mitali Bhattacharyya</td>
<td>2014-15</td>
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<td>Katha Sahitya</td>
<td>Katha Sahitya</td>
<td>Avik Dutta</td>
<td>2014-15</td>
<td></td>
</tr>
<tr>
<td>Short Stories</td>
<td>Short Stories</td>
<td>Barnali Talukdar</td>
<td>2014-15</td>
<td></td>
</tr>
<tr>
<td>Novel</td>
<td>Novel</td>
<td>Madhumita Roy</td>
<td>2014-15</td>
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<tr>
<td>Short Stories</td>
<td>Short Stories</td>
<td>Sangita Tarafder</td>
<td>2014-15</td>
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<tr>
<td>Short Stories</td>
<td>Short Stories</td>
<td>Lakshmi Mondal</td>
<td>2014-15</td>
<td></td>
</tr>
<tr>
<td>Subject</td>
<td>Title</td>
<td>Author</td>
<td>Year</td>
<td>Supervisor/Co-supervisor</td>
</tr>
<tr>
<td>---------</td>
<td>----------------------------------------------------------------------</td>
<td>-----------------------------</td>
<td>------------</td>
<td>-------------------------------------------------------------</td>
</tr>
<tr>
<td>Botany</td>
<td>Biochemical and antimicrobiological properties of fruiting bodies of <em>Pleurotus fossulatus</em> obtained from submerged fermentation</td>
<td>Manisha Maity</td>
<td>2015</td>
<td>Dr. Nirmalendu Das</td>
</tr>
<tr>
<td></td>
<td>Effect Of Organophosphate Pesticide (Dimethoate) On Some Cyanobacteria</td>
<td>Subhra Prakash Biswas</td>
<td>2015</td>
<td>Sri Benudhar Mandal</td>
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<td></td>
<td>Gene Duplication &amp; Salt Tolerance - Case Study On Arabidopsis &amp; Brassica</td>
<td>Sonali Saha</td>
<td>2015</td>
<td>Dr. Paramita Nandi</td>
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<td></td>
<td>The study of poaceae family in the light of morphology and anatomy</td>
<td>Manjima Mukherjee</td>
<td>2015</td>
<td>Dr. Saikat Naskar</td>
</tr>
<tr>
<td></td>
<td>Study of Salinity and Drought Stress on Two Varieties of Rice Plants</td>
<td>Taniya Sanyal</td>
<td>2015</td>
<td>Dr. N. C. Karmakar</td>
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<td></td>
<td>Effect of temperature during preservation of (musa sapientum l.)</td>
<td>Riya Chandra</td>
<td>2015</td>
<td>Dr. Kunal Sen</td>
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<td></td>
<td>Comparative biochemistry of five major vegetables of cucurbitaceae family</td>
<td>Sarbani Chakroborty</td>
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<td>Dr. Kunal Sen &amp; Dr Subhra Talai</td>
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<td>Zoology</td>
<td>Effect of anti malarial and anti depressant drug on treatment of leishmaniasis</td>
<td>Subhankar bhowmick</td>
<td>2014-15</td>
<td>Dr. Madhumita Manna</td>
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<td>Molecular diagnosis of leishmaniasis</td>
<td>Subhankar bhowmick</td>
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<td>Present status of food-borne parasitic zoonoses in India</td>
<td>Jayeeta Mukherjee</td>
<td>2014-15</td>
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<td></td>
<td>Stress and its effect on immune system</td>
<td>Suchitra Guha Thakurata</td>
<td>2014-15</td>
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<td>Multidrug resistance</td>
<td>Pinki Ghosh.</td>
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<td>DNA Vaccine for the neglected tropical disease : Leishmaniasis</td>
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<td>Phytotherapy against the Leishmania Parasites</td>
<td>Shilpi Rani Kundu.</td>
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<td>Neglected tropical disease</td>
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<td>Reducing Hilsafish on Gangetic Basin</td>
<td>Soumen Roy</td>
<td>2014-15</td>
<td>Dr. Debajyoti Chakrabarty</td>
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<td>Ecological Resilience</td>
<td>Soumen Roy</td>
<td>2014-15</td>
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<td>Small Indigenous fish of India and Bangladesh as Source of nutrition</td>
<td>Paramita Banerjee</td>
<td>2014-15</td>
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<td>Medical importance of fish</td>
<td>Paramita Banerjee</td>
<td>2014-15</td>
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<td>Vermicomposting – a Farm Visit</td>
<td>Tanaya Kar</td>
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<td>Molluscicidal Properties of Natural Plants</td>
<td>Tanaya Kar</td>
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<td>A review on the diminishing ichthyofaunae diversity in the riverrine system of sunderban due to uncontrolled prawn seed collection</td>
<td>Shubhajit Saha</td>
<td>2013-14</td>
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<td>Culture, maintenance and acute toxicity testing of copper sulphate on the fresh water snail-Bellamya bengalensis</td>
<td>Shubhajit Saha</td>
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<td>Keya Halder</td>
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<td>Fish Sanctuary-A possibility</td>
<td>Keya Halder</td>
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<td>Phosphorus Cycling</td>
<td>Dixie Ghosh</td>
<td>2012-13</td>
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<td>Fish Migration</td>
<td>Nibedita Sarkar</td>
<td>2012-13</td>
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<tr>
<td>Drinking bottled water in india</td>
<td>Antu Bhattacharya</td>
<td>2014-15</td>
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<td>Green plastics –an alternative for petroleum based plastics</td>
<td>Antu Bhattacharya</td>
<td>2014-15</td>
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<tr>
<td>Life in high altitude lake</td>
<td>Loknath Biswas</td>
<td>2014-15</td>
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<td>Effect of temperature on the distribution of soil microarthropods at a brick manufacturing kiln</td>
<td>Loknath Biswas</td>
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<td>Rice bran oil: The healthy oil</td>
<td>Tua Paul</td>
<td>2013-14</td>
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<td>Indian species and herbs and their effect on human health</td>
<td>Tua Paul</td>
<td>2013-14</td>
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<td>Recent trends of friendly decomposer</td>
<td>Subham Nandy</td>
<td>2013-14</td>
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<td>Electronic wastes and its hazards</td>
<td>Subham Nandy</td>
<td>2013-14</td>
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<td>Arsenic consuming bacteria and its future aspects</td>
<td>Susanta Das</td>
<td>2013-14</td>
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<td>Spider silk and its applications</td>
<td>Susanta Das</td>
<td>2013-14</td>
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<tr>
<td>Life in hot desert</td>
<td>Mahua Mallick</td>
<td>2012-13</td>
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<td>A pilot study to assess the level of elements in flesh of Labeo rohita and Hilsa ilisa</td>
<td>Mahua Mallick</td>
<td>2012-13</td>
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<td>Ocean acidification</td>
<td>Pubali Ray</td>
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<td>Relevance of prebiotics and probiotics today</td>
<td>Pubali Ray</td>
<td>2012-13</td>
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<td>High altitude lake in eastern India</td>
<td>Purnima Karmakar</td>
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<td>Use of bio indicator in the evaluation of toxicity in aquatic ecosystem</td>
<td>Purnima Karmakar</td>
<td>2012-13</td>
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Dr. Tuhin Kumar Saha
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<thead>
<tr>
<th>Title</th>
<th>Author</th>
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<tr>
<td>Animal defense against predators</td>
<td>Kantu Mondal</td>
<td>2014-15</td>
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<td>Coral reef: How they are impacted by climate change?</td>
<td>Kantu Mondal</td>
<td>2014-15</td>
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<td>Exposure to fine particulate air pollution increased risk of autism</td>
<td>Soumita Biswas</td>
<td>2014-15</td>
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<td>Salamander is an abundant food source of forest ecosystem</td>
<td>Soumita Biswas</td>
<td>2014-15</td>
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<td>Flurosis</td>
<td>Sudipta Kanrar</td>
<td>2013-14</td>
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<td>Bio-mimicry</td>
<td>Sudipta Kanrar</td>
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<td>Immediate hypersensitivity to house dust and house dust mites among Kolkata population</td>
<td>Sanghamitra Guha</td>
<td>2012-13</td>
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<td>Formalin, a formidable carcinogen, rampant in edible fishes in markets-its detection and effect on carps, probable impact on consumers</td>
<td>Aritra Ghosh</td>
<td>2014-15</td>
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<td>Impact of certain traits of blue- head wrasse in ecology</td>
<td>Aritra Ghosh</td>
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<td>In the shadows of illumination-effect of artificial light on the ecology of birds and mammals</td>
<td>Sangita Das</td>
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<td>Behavioural changes in animals undergoing domestication</td>
<td>Sangita Das</td>
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<td>Non-human primate behaviour and the effect of captivity on it</td>
<td>Prodipta Roy</td>
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<td>Non human primate language</td>
<td>Prodipta Roy</td>
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<td>Visual pollution and its aspects at few places in West Bengal</td>
<td>Milan Kumar Jana</td>
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<td>Depletion of polar ice cap</td>
<td>Milan Kumar Jana</td>
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<td>Primary amoebic meningoencephlitis</td>
<td>Samriddhi Sen</td>
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<td>Childhood acute lymphoblastic anaemia</td>
<td>Samriddhi Sen</td>
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<td>Targetted therapies in cancer</td>
<td>Himadri Nath</td>
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<td>Tristetraprolin- its role in inflammation and cancer</td>
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<td>Inflammation and autoimmune disease</td>
<td>Priya Prasad</td>
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<td>Superantigens</td>
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<td>Advantages and disadvantages of synthetic drugs on inflammation</td>
<td>Moutan Chakraborty</td>
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<td>Xenografting</td>
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<td>Year</td>
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<tr>
<td>Immunological aspect of malaria</td>
<td>Monidipa Das</td>
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<td>Genetic transformation of parasitic protozoa</td>
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<td>Immunological aspect of SARS</td>
<td>Debadrita Paul</td>
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<td>Herbs used in cancer management</td>
<td>Debadrita Paul</td>
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<td>Immunological aspect of rheumatoid arthritis</td>
<td>Pamela Sarkar</td>
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<td>Antibody based immunotherapy of cryptosporidiosis</td>
<td>Pamela Sarkar</td>
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<td>Effects of chromium (VI) toxicity on murine peritoneal macrophages and chromium induced histological changes of pancreatic islets and liver: A Preliminary study of metal induced diabetes development(project)</td>
<td>Brintasree Chackraborty</td>
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<td>Highly Active Anti Retroviral therapy on AIDS- status and prospects (Review)</td>
<td>Brintasree Chackraborty</td>
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<td>Hepatitis B &amp; its therapeutic approaches (Review)</td>
<td>Moumita Banerjee</td>
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<td>Molecular Mimicry-A Possible Cause Of Human Diseases</td>
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<td>Cytomorphology of mice peritoneal macrophages, spleen cells and histological analysis of tissues under Etxoxin induced hyperthyroid condition(project)</td>
<td>Juin Mondal</td>
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<td>Cancer immunotherapy</td>
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<td>Role of Macrophages in Atherosclerosis: Risk of Cardiac Arrest (Review)</td>
<td>Nabanita Majumder</td>
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<td>Traversal of pathogen through blood-brain barrier, insight mechanism</td>
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<td>Role of Macrophages in Alzheimer's Disease (Review)</td>
<td>Madhurima Bose</td>
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<td>Invertebrate immunity</td>
<td>Madhurima Bose</td>
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<td>Anthrax and bioterrorism</td>
<td>Arpita Kundu</td>
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<td>Sarcocystis- its morphology, lifecycle, pathogenecity and control.</td>
<td>Namita Nashkar.</td>
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<td>Poem syndrome, a rare autoimmune disease</td>
<td>Arpita Kundu</td>
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<td>Poultry coccidiosis</td>
<td>Namita Nashkar.</td>
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<td>How Ebv impairs recognition by CD8+ T cell?</td>
<td>Suman Karmakar</td>
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<td>Coccidiosis in poultry birds</td>
<td>Md. Sahariar Sardar</td>
<td>2014-15</td>
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<td>Chromobacterium and its entomopathogenic activities in malaria and dengue infection</td>
<td>Suman Karmakar</td>
<td>2014-15</td>
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<td>Immunity and vaccination against H1N1 virus</td>
<td>Anwesha Banerjee</td>
<td>2014-15</td>
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<td>Myiasis in human and domestic animals</td>
<td>Anwesha Banerjee</td>
<td>2014-15</td>
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<td>Avian malaria</td>
<td>Sinjini Mukherjee</td>
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<td>Pathogenicity of Ebola virus</td>
<td>Sinjini Mukherjee</td>
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<td>Abundance and diversity of different necrophilous arthropods in fishes available in fish markets with reference to forensic entomology</td>
<td>Moumita Laha</td>
<td>2014-15</td>
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<tr>
<td>Diversity by ecology and management with bio-pesticides of insects and mites infesting pulps and oil seed crop</td>
<td>Moumita Laha</td>
<td>2014-15</td>
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<tr>
<td>Mites infesting fruit trees</td>
<td>Tanusree Ghoshal</td>
<td>2014-15</td>
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<td>Biofuel production from algae</td>
<td>Tanusree Ghoshal</td>
<td>2014-15</td>
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<td>Electric eels remotely control their prey</td>
<td>Indrani Adhya</td>
<td>2014-15</td>
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<td>Insect Venom</td>
<td>Indrani Adhya</td>
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<td>Insects as food</td>
<td>Sharmistha Banerjee</td>
<td>2014-15</td>
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<td>Insect Associated Mite</td>
<td>Sharmistha Banerjee</td>
<td>2014-15</td>
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<tr>
<td>Assessment of Baculovirus as insecticide</td>
<td>Sujit Sarkar</td>
<td>2013-14</td>
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<td>Pathogens and predators of ticks and there potential in biological control – A review</td>
<td>Subrata Mondal</td>
<td>2013-14</td>
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<tr>
<td>Age, Sex and disease(Parasitic)</td>
<td>Debjit Debnath</td>
<td>2013-14</td>
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<tr>
<td>Insulin dependent diabetes mellitus-An autoimmune diseases</td>
<td>Debjit Debnath</td>
<td>2013-14</td>
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</table>
At the PG level **optional Special Papers** are offered to students as given in the Table below:

### Table 3.4: Elective Special Papers in PG courses

<table>
<thead>
<tr>
<th>Subject</th>
<th>Special Paper offered in PG programme</th>
<th>Semester</th>
<th>Marks</th>
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<tbody>
<tr>
<td>Zoology</td>
<td>Parasitology and Immunology</td>
<td>Sem-III, Sem-IV</td>
<td>210 marks</td>
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<tr>
<td></td>
<td>Ecology and Environmental Biology</td>
<td>Sem-III, Sem-IV</td>
<td>210 marks</td>
</tr>
<tr>
<td>Botany</td>
<td>Plant Physiology, Biochemistry and Molecular Biology</td>
<td>Sem-IV</td>
<td>200 marks</td>
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<td>Taxonomy of Angiosperms and Biosystematics</td>
<td>Sem-IV</td>
<td>200 marks</td>
</tr>
<tr>
<td></td>
<td>Genetics and Genomics</td>
<td>Sem-IV</td>
<td>200 marks</td>
</tr>
<tr>
<td></td>
<td>Microbiology</td>
<td>Sem-IV</td>
<td>200 marks</td>
</tr>
<tr>
<td></td>
<td>Ecology</td>
<td>Sem-IV</td>
<td>200 marks</td>
</tr>
<tr>
<td>Physics</td>
<td>Condensed Matter Physics</td>
<td>Sem IV</td>
<td>100 marks (T) + 50 marks (P)</td>
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<tr>
<td></td>
<td>Astrophysics</td>
<td>Sem-IV</td>
<td>50 marks</td>
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<tr>
<td></td>
<td>High Energy Physics</td>
<td>Sem-IV</td>
<td>50 marks</td>
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<td></td>
<td>Physics Teaching Methodology</td>
<td>Sem-IV</td>
<td>50 marks</td>
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<tr>
<td>Bengali</td>
<td>Rabindra Sahitya</td>
<td>Sem-IV</td>
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<td>Katha Sahitya</td>
<td>Sem-IV</td>
<td>200 marks</td>
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</table>

- Some departments (eg. History, Philosophy) arrange educational tour which also induces research orientation among the students.
- Availability of 80,541 books (including old and rare books) and about 50 journal titles across the fields in the library provides the students of the college the opportunity of having a treasure of knowledge. Access to online journals through INFLIBNET and British Council Library adds to this wealth.
- Students are frequently sent to different quiz contests (on or off-campus), debates etc. related to their respective disciplines so that they acquire recent knowledge.
3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual / collaborative research activity, etc.

- Most faculties of the PG Departments (Physics, Zoology, Bengali, and Botany) supervise the project work and/or dissertation of PG students that is a mandatory part of the curriculum.
- Some of the faculty members are also involved in guiding students for doctoral research. Their details have been provided in the following Table.

<table>
<thead>
<tr>
<th>Name of the Faculty with Department</th>
<th>Name of the student</th>
<th>Topic of Research</th>
<th>Status</th>
<th>Registration No./ name of University</th>
</tr>
</thead>
</table>
| Dr. Madhumita Manna, Department of Zoology
| Sanchita Datta                   | An Approach to develop an immunotherapeutic and prophylactic agent by attenuated leishmania parasite. | PhD degree Awarded 2014 | Jadavpur University |
| Supriya Khanra                   | Analysis of the Genome and Genetic markers of the clinical isolates of Indian Kala-azar for molecular taxonomic purpose. | Submitted Thesis, 2015 | Reg. No. 33/12/Life Sc./21 under Jadavpur University |
| Sangita Lahiri                   | Assessment of Anti Leishmanial activities of some medicinal plants of India | Ongoing | Cleared RET in Jadavpur University Yet to be registered |
| Piyali Das (MBBS)                | Association of Oxidative stress and obesity in type II diabetes mellitus in Indian Population | Ongoing | Registered in West Bengal University of Health Sciences |
| Dr. Debojyoti Chakraborty Department of Zoology
| Himadri Pal                     | Evaluation of some alternative (low cost) feed sources for cat fish (Heteropneustes fossilis) [Bloch, 1794] and Clarias batracus [Linnaeus, 1758] | PhD degree Awarded 2014 | Reg. no. 1050103360 under Singhaniya University, Rajasthan |
Many faculty members have completed or have been pursuing a number of research projects during the last four year period. The details of the research projects are given in the following table:

<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
<th>Project Description</th>
<th>Status</th>
<th>Reg. No.</th>
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<tbody>
<tr>
<td>Dr. Sanjoy Poddar</td>
<td>Zoology</td>
<td>Molecular Mechanism associated with allergic manifestation in response to common aeroallergens</td>
<td>Ongoing</td>
<td>0504 Ph. D.(Sc.) Proceed/13 under Calcutta University</td>
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<tr>
<td>Dr. Paramita Nandy</td>
<td>Dept. of Botany</td>
<td>Certain Biochemical and Molecular Aspects of some mangrove Taxa from Indian Sundarbans towards efficient salt management and sustainability</td>
<td>PhD degree Awarded 2014</td>
<td>Kalyani University</td>
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<tr>
<td>Prof. Pradip Mukherjee</td>
<td>Physics</td>
<td>Aspects of Symmetries in Field and String Theories</td>
<td>PhD degree Awarded 2009</td>
<td>Calcutta University</td>
</tr>
<tr>
<td>Dr. Nirmalendu Das</td>
<td>Department of Botany</td>
<td>Investigations in Higher Derivative Field Theories</td>
<td>PhD degree Awarded 2015</td>
<td>Calcutta University</td>
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<td>Anirban Saha</td>
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</tr>
<tr>
<td>Biswajit Pal</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arpita Mitra</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Rajnarayan Gupta</td>
<td>Department of Economics</td>
<td>The Determinants in Agricultural prices in India since Liberalisation</td>
<td>PhD degree Awarded in 2012</td>
<td>Jadavpur University</td>
</tr>
<tr>
<td>Dr. Prosenjit Ghosh</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Calcutta University*

*Jadavpur University*
<table>
<thead>
<tr>
<th>Name of the Faculty</th>
<th>Title of Project</th>
<th>Duration Year</th>
<th>Funding Agency</th>
<th>Grant Sanctioned</th>
<th>Grant Received</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ongoing Research projects</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prof. Timir Baran Jha</td>
<td>Karyosystematic Analysis of Indian Lentils Through Fluorescent Chromosome Banding (yet to be implemented)</td>
<td>2015-just sanctioned</td>
<td>UGC-Major</td>
<td>16 L</td>
<td>Yet to receive</td>
</tr>
<tr>
<td>Dr. Madhumita Manna</td>
<td>Direct diagnosis and characterization of the causal agents of Kala-azar from North East and Eastern region of India by molecular methods.</td>
<td>January 16, 2013 - 2016</td>
<td>Department of Biotechnology (DBT), Govt. of India [DBT TWINNING Programme for NE]</td>
<td>Rs. 99.98 Lakhs (L)</td>
<td>Rs. 28.28 L</td>
</tr>
<tr>
<td>Dr. Madhumita Manna</td>
<td>An Approach to develop an immunotherapeutic and prophylactic agent by attenuated leishmania parasite’</td>
<td>2011 - till date</td>
<td>CSIR</td>
<td>Rs.9.02 L</td>
<td>--</td>
</tr>
<tr>
<td>Dr. Dipanwita Majumdar</td>
<td>Application of modern taxonomical methods for characterization of drug sensitive and drug unresponsive isolates of Kala-azar in India</td>
<td>2013 - till date</td>
<td>CSIR</td>
<td>Rs.6.01 L</td>
<td>--</td>
</tr>
<tr>
<td>Dr. Chandan Surabhi Das</td>
<td>Synthesis, Characterization and Electrochemical study of Graphene/manganese dioxide nano composite</td>
<td>2014- till date</td>
<td>UGC</td>
<td>5 L</td>
<td>3.45 L</td>
</tr>
<tr>
<td>Dr. Sankar Mandal</td>
<td>Monitoring the Sundarban Ecosystem and its Livelihood using Geo-spatial Technique: A case study of Gosaba Block</td>
<td>2014-2016</td>
<td>UGC</td>
<td>4.15 L</td>
<td>2.975 L</td>
</tr>
<tr>
<td>Dr. Nirmalendu Das</td>
<td>Development of Cathode Materials of Lithium Ion Battery as a Source of alternative Power storage system</td>
<td>2015- 2017</td>
<td>UGC</td>
<td>4.2 L</td>
<td>3.1 L</td>
</tr>
<tr>
<td>Dr. Nirmalendu Das</td>
<td>Comparative studies of <em>Pleurodusfossulatus</em> and other commercially cultivated oyster mushrooms (<em>Pleurodussp</em>) with special reference to their yield, antioxidant and antimicrobial properties.</td>
<td>24 months from May 2014</td>
<td>UGC</td>
<td>3.70L</td>
<td>--</td>
</tr>
<tr>
<td>Name</td>
<td>Project Description</td>
<td>Years</td>
<td>Funding Sources</td>
<td>Total Funding</td>
<td></td>
</tr>
<tr>
<td>-----------------------------</td>
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<td></td>
</tr>
<tr>
<td>Dr. Srijit Bhattacharya</td>
<td>Analysis of Cellular Phone Tower radiation in residential area and its effect on human</td>
<td>2015-2017</td>
<td>UGC</td>
<td>2.45 L</td>
<td></td>
</tr>
<tr>
<td>Dr. Mrinal Kanti Sarkar</td>
<td>Surrogate motherhood: empowerment or exploitation</td>
<td>2014-till date</td>
<td>UGC</td>
<td>2.5 L</td>
<td></td>
</tr>
<tr>
<td>Dr. Prabir Kumar Sen</td>
<td>Bergallini condensation: Expeditious synthesis of multifunctionalised acids</td>
<td>2012-till date</td>
<td>UGC</td>
<td>2 L</td>
<td></td>
</tr>
<tr>
<td>Dr. Somnath Bhattacharya</td>
<td>Early stage Dynamics of Nonlinear Systems and its effect on related properties</td>
<td>2015-2017</td>
<td>UGC</td>
<td>1.5 L</td>
<td></td>
</tr>
<tr>
<td>Dr. Prasanta Paul</td>
<td>On some entropy based measure of uncertainty and their properties</td>
<td>2015-till date</td>
<td>UGC</td>
<td>1.7 L</td>
<td></td>
</tr>
<tr>
<td>Dr. Antara Banerjee (Transferred)</td>
<td>Sakaler Puran</td>
<td>2014-till date</td>
<td>UGC</td>
<td>2.70 L</td>
<td></td>
</tr>
</tbody>
</table>

### Completed Research Projects

<table>
<thead>
<tr>
<th>Name</th>
<th>Project Description</th>
<th>Years</th>
<th>Funding Sources</th>
<th>Total Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. Timir Baran Jha</td>
<td>Analysis of Important Bioactive Compounds and Genomic DNA Polymorphism in <em>Swertia</em></td>
<td>2009-2012</td>
<td>CSIR</td>
<td>16.9 L</td>
</tr>
<tr>
<td></td>
<td>Documentation of Genetic and phytochemical variations and assessment of Immunomodulatory and Anti Cancer activities of <em>Gymnema sylvestre</em> (retz) &amp; <em>Gymnema kollimalayanum</em> Ramach &amp; M.B Viswan, from Eastern India and Western Ghats..</td>
<td>2012-2015</td>
<td>ICMR</td>
<td>50 L</td>
</tr>
<tr>
<td></td>
<td>Detection and Chemical analysis of myo-inositol biosynthesis in some vascular cryptogams under <em>in vivo</em> and <em>in vitro</em> conditions</td>
<td>2008-2011</td>
<td>UGC</td>
<td>7 L</td>
</tr>
<tr>
<td>Dr. Madhumita Manna</td>
<td>Influences of trace elements in the immune functions in visceral leishmaniasis and post kala-azar dermal leishmaniasis of India</td>
<td>2009-2014</td>
<td>UGC-DAE Consortium for Scientific Research, Kolkata Centre</td>
<td>8.5 L [approx]</td>
</tr>
<tr>
<td>Dr. Nirmalendu Das</td>
<td>Highly efficient and simple methods for the preparation of active laccase antibody conjugates for enzyme-immunoassay and immunoblots</td>
<td>Three years (from 2008 to 2010)</td>
<td>DBT</td>
<td>14.43 L</td>
</tr>
<tr>
<td>Dr. Sanjoy Poddar</td>
<td>Studies on the Aeroallergens of Kolkata and adjoining areas in relation to Masobronchial allergic disorders</td>
<td>2011-2014</td>
<td>WBDST</td>
<td>9.0 L</td>
</tr>
</tbody>
</table>
Many faculty members have acted as Resource persons in National/International Seminars and Conferences. The details are given in the Table below:

**Table 3.7: Faculty members as Resource Persons**

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Type of Participation</th>
<th>Date/Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Rajnarayan Gupta</td>
<td>Delivered Invited lecture on &quot;Indian Macroeconomic Scenario&quot; at <em>Tech Mahindra</em>, Salt Lake, Kolkata</td>
<td>15&lt;sup&gt;th&lt;/sup&gt; September 2010</td>
</tr>
<tr>
<td></td>
<td>Delivered Invited lecture on &quot;Major Macroeconomic Issues&quot; at <em>Mahindra Satyam</em>, Hyderabad</td>
<td>25&lt;sup&gt;th&lt;/sup&gt; November 2010</td>
</tr>
<tr>
<td></td>
<td>Delivered Invited lecture on &quot; Macroeconomic Theory and Policy&quot; at <em>Tech Mahindra</em>, Pune</td>
<td>25&lt;sup&gt;th&lt;/sup&gt; and 28&lt;sup&gt;th&lt;/sup&gt; January 2011</td>
</tr>
<tr>
<td></td>
<td>Took special classes on &quot;Managerial Economics&quot; at <em>Tech Mahindra</em>, Mumbai</td>
<td>1&lt;sup&gt;st&lt;/sup&gt; February 2011</td>
</tr>
<tr>
<td></td>
<td>Delivered Invited lecture on &quot;Overview of Macroeconomics&quot; at <em>Tech Mahindra</em>, Noida</td>
<td>20&lt;sup&gt;th&lt;/sup&gt; May 2011</td>
</tr>
<tr>
<td>Dr. Sudeshna Chattopadhyay</td>
<td>Delivered an invited lecture on &quot;Industry Trade and Environment&quot; to final Semester PG students in University of Calcutta</td>
<td>2015</td>
</tr>
<tr>
<td>Name</td>
<td>Activity</td>
<td>Date/Details</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>---------------------------------------</td>
</tr>
<tr>
<td>Sujit Kr. Bhattacharyya</td>
<td>Acted as coordinator and counselor of courses offered by Netaji Subhas Open University</td>
<td>2014</td>
</tr>
<tr>
<td>Aznarul Islam</td>
<td>Delivered invited talk in Awareness Program on Prakriti Sanrakhan Dibas organised by WAPCOS in collaboration with Ministry of water Resource, Govt. of India</td>
<td>17&lt;sup&gt;th&lt;/sup&gt; June 2014</td>
</tr>
<tr>
<td>Aznarul Islam</td>
<td>Delivered Special Lecture on &quot;Recent Issues in soil and Bio-Geography&quot; organised by Department of Geography, Alia University</td>
<td>27&lt;sup&gt;th&lt;/sup&gt; April 2015</td>
</tr>
<tr>
<td>Dr. Ruksanara Begum</td>
<td>Acted as counselor of courses offered by Netaji Subhash Open University</td>
<td>2014</td>
</tr>
<tr>
<td>Dr. Chandan Surabhi Das</td>
<td>Invited lecture at Shahid Nurul Islam Mahavidyalaya on 'Issues of Water Conservation'</td>
<td>July 25, 2014</td>
</tr>
<tr>
<td></td>
<td>Invited lecture at Subarnarekha Mahavidyalaya on 'Water Crisis and Management'</td>
<td>January 13, 2015</td>
</tr>
<tr>
<td>Arpita Neogi Sengupta</td>
<td>Panelist in ICPR-sponsored Discussion “Philosophy and Philosophizing in Bengal” organized by the Department of Philosophy, West Bengal State University</td>
<td>19&lt;sup&gt;th&lt;/sup&gt; November 2013</td>
</tr>
<tr>
<td></td>
<td>Chaired a session in the National level seminar on ‘Language, Communication and Society’ organized by West Bengal State University</td>
<td>19&lt;sup&gt;th&lt;/sup&gt; December 2014.</td>
</tr>
<tr>
<td></td>
<td>Invited as a guest-faculty for a course in the 2&lt;sup&gt;nd&lt;/sup&gt; semester of P.G. Department of W.B. State University and took classes.</td>
<td>February 2014 to July 2014.</td>
</tr>
<tr>
<td>Debashree Dutta</td>
<td>Invited as a guest-faculty for a course in the 2&lt;sup&gt;nd&lt;/sup&gt; semester of P.G. Department of W.B. State University and took classes.</td>
<td>Since 2015</td>
</tr>
<tr>
<td>Manas Kundu</td>
<td>Visiting Professor, Belur Ramkrishna Mission, PG Department of Bengali</td>
<td>Since 2012</td>
</tr>
<tr>
<td>Rajkumar Chakrabarti</td>
<td>Delivered lecture at the PG Department of History, Fakir Chand College</td>
<td>1st February 2015</td>
</tr>
<tr>
<td>Prabal Bagchi</td>
<td>Delivered a lecture on “Idea of India” at Presidency College (FAEA Workshop)</td>
<td>December 2013</td>
</tr>
<tr>
<td></td>
<td>Delivered extension lecture on “Popular culture in 19th Calcutta – its political economic background” at Mahadevananda College, Barrackpore</td>
<td>17 April 2014</td>
</tr>
<tr>
<td>Dr. Madumita Manna</td>
<td>Acted as Resource person UGC DAE pre PhD Course work</td>
<td>2010-2011</td>
</tr>
<tr>
<td></td>
<td>Acted as Resource person in M. Phil. courses in Kalyani University and Calcutta University</td>
<td>2010-2011</td>
</tr>
<tr>
<td>Kinshuk Nandi</td>
<td>Invited as an expert to address at a Career Counselling Session for the UG students from the Department of Political Science during the 7th &amp; 8th Career Fair, 2013 at Barrackpore Rastraguru Surendranath College</td>
<td>2013, 2014</td>
</tr>
<tr>
<td>Gouri Sankar Nag (Transferred faculty)</td>
<td>Visiting Professor of Department of Political Science, West Bengal State University</td>
<td>2011-2012</td>
</tr>
<tr>
<td>Name</td>
<td>Role and Details</td>
<td>Years</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>------------------------------------------------------------------------------------------------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>Swaty Mitra</td>
<td>Resource person for post graduate classes in Lady Brabourn College for Special session Doris Lessing's Martha Quest Acted as Resource Person for Netaji Subhas Open University Invited speaker at Gokhale Memorial Girls' College</td>
<td>September 2011 2012-2015 2015</td>
</tr>
<tr>
<td>Ambarish Sen</td>
<td>Delivered Lecture as resource person on English Language, Grammar and writing skills for preparation of WBCS (prelims) organized by employment exchange Barasat under labour Department, Gvt. of W.B.</td>
<td>2014</td>
</tr>
<tr>
<td>Dr. Sanat Kumar Saha</td>
<td>Acted as counselor for courses offered by Netaji Subhas Open University</td>
<td>2010-2014</td>
</tr>
<tr>
<td>Dr. Dipanwita Majumdar</td>
<td>Acted as counselor for courses offered by Netaji Subhas Open University Delivered an invited talk at Lady Brabourne College (Kolkata) on “Formation Dynamics of V and Y shaped Polyaniline nanowires”. Delivered an invited talk on “Nanopesticides: A Challenging Domain of Current Research” at Panchkot Mahavidyalaya, Purulia.</td>
<td>2010- 2014 2010 2012</td>
</tr>
<tr>
<td>Dr. Nabakumar Bera</td>
<td>Acted as counselor for courses offered by Netaji Subhas Open University</td>
<td>2010-2012</td>
</tr>
<tr>
<td>Dr. Prabir K. Sen</td>
<td>Acted as counselor for courses offered by Netaji Subhas Open University</td>
<td>2010-2012</td>
</tr>
<tr>
<td>Dr. Soma Nath (Deoghoria)</td>
<td>Acted as counselor for courses offered by Netaji Subhas Open University</td>
<td>2013-2014</td>
</tr>
<tr>
<td>Dr. Antara Banerjee (Transferred faculty)</td>
<td>Delivered an invited lecture at Howrah Sanskrit Sahitya Samaj</td>
<td>December 2012</td>
</tr>
</tbody>
</table>

- Many faculty members of different Departments are also actively engaged in collaborative research work with many leading institutions/organisation. Few examples are given below.
  - Dr. Dipanwita Majumdar, Assistant Professor of Department of Chemistry is engaged in collaborative research with Prof. Swapan Kumar Bhattacharyya, Department of Chemistry, Physical Chemistry division, Jadavpur University, Kolkata.
  - Mina Mazumder, Assistant Professor of Physics started collaborative research programme with the Department of Theoretical Physics, IACS, Kolkata.
  - Dr. Sankar Mandal, Assistant Professor of Physics is continuing collaborative research with Professor D. Chakraborti (Emeritus Professor) at IACS, Jadavpur.
  - Dr. Srijit Bhattacharya, Assistant Professor of Physics collaborated with experimental Nuclear Physics Division at VECC, Kolkata.
  - Dr. Jyotirmoy Maiti, Assistant Professor of Physics collaborated with Theory division SINP,
Kolkata and Department of Theoretical Physics, TIFR, Mumbai.

- Dr. Pradip Mukherjee, Professor of Physics continued his collaboration with Professor Rabin Banerjee, SNB CBS, Kolkata.
- Dr. T. B. Jha, Professor of Botany collaborated with Medical Research Institute (ICMR), Belgaon, Karnataka.

3.1.6 Give details of workshops/ training programmers/ sensitization programmers conducted/ organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.

The objective of all seminars/workshops/training programmes conducted by the college is to increase capacity of research and instil research outlook among faculty and students. Sensitisation programmes are organised to spread awareness on issues requiring urgent address at the social level. The reflection of the same objectives is to be found in the following programmes conducted by the college, details of which are given in the following table.

Table 3.8: Seminars/Conferences/Workshops/Special Lectures organized during last four years and the source of funding

<table>
<thead>
<tr>
<th>Organizing department</th>
<th>Type</th>
<th>Theme</th>
<th>Speakers</th>
<th>Funding Agency</th>
<th>Year/Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special Lecture</td>
<td>Acharya Prafulla Chandra Ray Memorial Lecture</td>
<td>1. Prof. Somnath Ghosh, Jadavpur University 2. Prof. Debsankar Ray, IACS.</td>
<td>College Funding</td>
<td>March 2010</td>
<td></td>
</tr>
<tr>
<td>Special Lecture</td>
<td>One day Seminar on Recent trends in Chemistry</td>
<td>1. Prof. Chandrakanta Bandhyopadhyay, Department of Chemistry, RKMVC, Rahara 2. Prof. Tapan Kumar Paine, IACS.</td>
<td>College Funding</td>
<td>10th January 2015</td>
<td></td>
</tr>
<tr>
<td>Department of Physics and Chemistry</td>
<td>Seminar Lecture</td>
<td>The Amazing Story of the Higgs Boson</td>
<td>Professor Soumitra Sengupta, IACS, Kolkata</td>
<td>College Funding</td>
<td>October 13, 2012</td>
</tr>
<tr>
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<td>-----------------------------------------------</td>
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</tr>
</tbody>
</table>
| Barasat Govt. College and Paschim Banga Itihas Samsad | UGC-sponsored State Level Seminar | Technologies of Revolution: Society, Economy & Polity | 1. Prof. Sibaji Bandyopadhyay, Jadavpur University  
2. Dr. Shobhanlal Dutta Gupta, University of Calcutta  
3. Dr. Sudhir Chakraborty, Institute of Development Studies, Kolkata  
4. Subhash Ranjan Chakraborty, Presidency College | UGC | March 4 and 5, 2010 |
| PG Dept. of Botany and Biological Science Division, ISI Kolkata | UGC-Sponsored National Seminar | Emerging Trends in Plant Science | 1. Prof. R.S. Upadhyay, Dept. of Botany, BHU  
2. Prof. A.K. Pal, Dept. of Botany, University of Calcutta  
3. Dr. Arunava Goswami, ISI, Kolkata  
4. Dr. Amita Pal, Scientist, Bose Institute  
Dr. Prabir Ghosal, ISI, Kolkata | UGC | July 14 and 15, 2011 |
| Zoology Department of Barasat Government College & West Bengal State University | UGC-Sponsored National Seminar | Rediscovering 100 Years of Journey on the Field of Immunology: Present Status of immunological Research in India | 1. Dr. Bhaskar Saha, NCCS, Pune  
2. Dr. Ashok Ch. Ghosh, retired Professor, Bose institute  
3. Dr. Shyamal Roy, IICB, Kolkata  
4. Dr. Santu Bandyopadhyay, IICB, Kolkata  
5. Dr. Subrata Majumder, Bose Institute, Kolkata  
6. Dr. Mitali Chatterjee, IPGME&R, Kolkata  
7. Dr. Tapas Biswas, NICED, Kolkata  
8. Dr. Ashim Chakraborty, retired Professor, NBU  
9. Dr. Rathindranath Baral, CNCI, Kolkata | UGC | September 19th-20th, 2011 |
| Departments of Philosophy, English, History and Sanskrit in collaboration with School of Women's Studies, Jadavpur University | UGC-sponsored National-level seminar | Women and Literature: Different Faces, Different Voices | 1. Dr. Ritu Sen Chaudhuri, Department of Sociology, WBSU  
2. Dr. Santanu Sarkar, Department of Bengali, Assam, Shilchar  
3. Dr. Bijaya Goswami, Department of Sanskrit, Jadavpur University  
4. Sri Abhijit Roy, Department of Film Studies, Jadavpur University  
5. Dr. Miratun Nahar, retired Professor, Department | UGC | 16th and 17th January 2012 |
| Department of English in Collaboration with Bidhan Nagar Govt. College | UGC sponsored National level seminar | Literature in Translation | 1. Prof. Sanjukta Dasgupta, Department of English, CU  
2. Prof. Supriya Chowdhury, Department of English, JU  
3. Sri Samik Bandyopadhyay, renowned film critic and translator | UGC | August 2013 |
| Department of History | Extension lecture | French Revolutions | Prof. Subhash Ranjan Chakraborty, Formerly Associate Professor, Presidency University | College Funding | January 09, 2015 |
| PG Department of Physics | Special Seminar | Recent Trends in Physics | Prof. Rabin Banerjee (S N Bose National Centre for Basic Sciences)  
Prof. Sibaji Raha (Director, Bose Institute, Kolkata)  
Prof. G. P. Das (Indian Association for the Cultivation of Science) | UGC | August 31, 2013 |
| PG Department of Physics | Special Seminar | Physics Teaching Methodology | Dr. Birendranath Das (Presidency University), Dr. Bhupati Chakraborty (City College, Kolkata)  
Dr. Surajit Chakraborty (Maharaja Manindra Chandra College, Kolkata)  
Dr. Syed Minhaz Hossain (IIEST, Shibpur) | College Funding | January 21, 2012 |
<p>| | Special Seminar | Why do we require optics in computing? | Dr. Tanay Chakraborty (WBPDCL, Kolaghat) | College Funding | October 03, 2012 |
| Department of Physics | Seminar lecture | Indian Initiative in Neutrino Research | Dr. Kolahal Bhattacharya (TIFR) | College Funding | January 16, 2013 |
| Department of Physics | Seminar lecture | 'Effect of projectile breakup on fission fragment mass distribution in $^{6,7}$Li +$^{238}$U reactions' | Mr. Dipayan Chattopadhyay (BARC) | College Funding | August 02, 2014 |</p>
<table>
<thead>
<tr>
<th>Department of Sanskrit</th>
<th>Special Lecture</th>
<th>Karmavada</th>
<th>Dr. Kakoli Ghosh, Jadavpur University</th>
<th>College Funding</th>
<th>August 2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Philosophy</td>
<td>Special Lecture</td>
<td>Theories of Kavya</td>
<td>Dr. Monidipa Das, Rabindra Bharati University</td>
<td>College Funding</td>
<td>December 18, 2014</td>
</tr>
<tr>
<td>Department of Philosophy</td>
<td>Special Lecture</td>
<td>Sankhya Philosophy</td>
<td>Dr. Tapan Kumar Chakraborty, Prof. of Philosophy</td>
<td>College Funding</td>
<td>28.02.2014</td>
</tr>
<tr>
<td>Department of Philosophy and Sanskrit</td>
<td>Special Lecture</td>
<td>Vivekananda: His Thoughts</td>
<td>Dr. Aparna Banerjee, Prof. of Philosophy, Calcutta University, Dr. Kakoli Ghosh, Jadavpur University</td>
<td>College Funding</td>
<td>7th March 2014</td>
</tr>
<tr>
<td>Department of Philosophy</td>
<td>Special Lecture</td>
<td>Nyaya Philosophy</td>
<td>Dr. Tapan Kumar Chakraborty, Prof. of Philosophy</td>
<td>College Funding</td>
<td>December 01, 2014</td>
</tr>
<tr>
<td>Department of Bengali</td>
<td>Special Lecture</td>
<td>Meghdut</td>
<td>Dr. Nrishingha Prasad Bhaduri</td>
<td>College Funding</td>
<td>November 12, 2014</td>
</tr>
<tr>
<td>Department of Bengali</td>
<td>Special Lecture</td>
<td>Meghdut Path Sanchalana</td>
<td>Aharnish Patrika Gosthi</td>
<td>College Funding</td>
<td>November 12, 2014</td>
</tr>
<tr>
<td>Department of Bengali</td>
<td>Special Lecture</td>
<td>Novel er Romance: Romance er Novel</td>
<td>Dr. Biswajit Roy</td>
<td>College Funding</td>
<td>November 13, 2014</td>
</tr>
<tr>
<td>Department of Bengali</td>
<td>Special Lecture</td>
<td>Raktokarobi and Rabindra drama-song</td>
<td>Dr. Rajasree Bhattacharyya</td>
<td>College Funding</td>
<td>March 18, 2014</td>
</tr>
<tr>
<td>Barasat Govt. College</td>
<td>Special Lecture</td>
<td>Drama</td>
<td>Dr. Pabitra Sarkar</td>
<td>College Funding</td>
<td>2014</td>
</tr>
</tbody>
</table>

| Department of Bengali | Seminar cum mass awareness programme | Rain Water Harvesting | Mr. Soumya Mondal, Chemist, SWID | SWID, Govt., of WB | February 10, 2015 |

3.1.7 Provide details of prioritized research areas and the expertise available with the institution.

The faculty members of the College are actively involved in various aspects of research, namely, pre-doctoral research guidance, supervising student projects, dissertations, field studies, excursions and study tours besides pursuing their own research projects. The prioritized research areas of some of the faculty members involved in research are given below which reflects their expertise in different fields.
### Table 3.9: Prioritized Research Areas of Present Faculty

<table>
<thead>
<tr>
<th>Department</th>
<th>Name of the Faculty Member</th>
<th>Prioritized research area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bengali</td>
<td>Prof. Dilip Kumar Naha</td>
<td>Drama, Linguistics</td>
</tr>
<tr>
<td></td>
<td>Dr. Manju Mandal</td>
<td>Tagore Literature</td>
</tr>
<tr>
<td></td>
<td>Sri Sandip Kr. Patra</td>
<td>Novel and Short Stories</td>
</tr>
<tr>
<td></td>
<td>Dr. Rita Ghosh</td>
<td>Folk Culture and Literature</td>
</tr>
<tr>
<td></td>
<td>Sri Manas Kundu</td>
<td>Literary theory and Comparative Literature</td>
</tr>
<tr>
<td></td>
<td>Sri Md. Abdur Rafik Sardar</td>
<td>Comparative Literature</td>
</tr>
<tr>
<td></td>
<td>Smt. Piali Khan</td>
<td>Medieval Literature</td>
</tr>
<tr>
<td>Botany</td>
<td>Prof. Timir Baran Jha</td>
<td>Cytogenetics and Plant Biotechnology</td>
</tr>
<tr>
<td></td>
<td>Prof. Jukta Adhikary</td>
<td>Enzymology</td>
</tr>
<tr>
<td></td>
<td>Dr. Kunal Sen</td>
<td>Plant Physiology</td>
</tr>
<tr>
<td></td>
<td>Dr. Nirmalendu Das</td>
<td>Mushroom Biotechnology, and Environmental Microbiology</td>
</tr>
<tr>
<td></td>
<td>Sri Benudhar Mandal</td>
<td>Environmental Microbiology</td>
</tr>
<tr>
<td></td>
<td>Dr. Naryan Chandra Karmakar</td>
<td>Environmental Ecology</td>
</tr>
<tr>
<td></td>
<td>Dr. Saikat Naskar</td>
<td>Angiosperms Taxonomy, Mangrove Ecology</td>
</tr>
<tr>
<td></td>
<td>Dr. Subhra Talai Mukhopadhyay</td>
<td>Phycology, Bryology, Pharmacognosy</td>
</tr>
<tr>
<td></td>
<td>Dr. Paramita Nandy (Dutta)</td>
<td>Stress Physiology, Cytogenetics</td>
</tr>
<tr>
<td></td>
<td>Sri Dibyendu Mahanty</td>
<td>Plant Physiology, Biochemistry</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Dr. Arup Bandopadhyay</td>
<td>Surface Chemistry</td>
</tr>
<tr>
<td></td>
<td>Dr. Sanat Kr. Saha</td>
<td>Protein Chemistry</td>
</tr>
<tr>
<td></td>
<td>Dr. Prabir Kr. Sen</td>
<td>Synthetic Organic Chemistry</td>
</tr>
<tr>
<td></td>
<td>Dr. Dipanwita Majumdar</td>
<td>Material Science/Nano Science</td>
</tr>
<tr>
<td></td>
<td>Dr. Nabakumar Bera</td>
<td>Quantum Mechanics, Statistical Mechanics, Quantum and Statistical Dynamics</td>
</tr>
<tr>
<td></td>
<td>Dr. Sanjukta Muhuri</td>
<td>Synthetic Organic Chemistry</td>
</tr>
<tr>
<td></td>
<td>Dr. Soma Nath (Deoghoria)</td>
<td>Co-ordination Chemistry</td>
</tr>
<tr>
<td>English</td>
<td>Dr. Basabi Roychowdhury</td>
<td>Victorian Novels; Emphasis on Charles Dickens’s Novels</td>
</tr>
<tr>
<td></td>
<td>Smt. Swaty Mitra</td>
<td>Post Fifties English Novel with special emphasis on Doris Lessing's Novels</td>
</tr>
<tr>
<td></td>
<td>Sri Ambarish Sen</td>
<td>Indian English writings; Special Emphasis on Novels of Amitava Ghosh</td>
</tr>
<tr>
<td>Economics</td>
<td>Sri Saroj Kumar Panja</td>
<td>Agricultural Economics</td>
</tr>
<tr>
<td></td>
<td>Dr. Sudheshna Chattopadhyay</td>
<td>Trade industry and Environment</td>
</tr>
<tr>
<td></td>
<td>Dr. Rajnarayan Gupta</td>
<td>Macroeconomics</td>
</tr>
<tr>
<td></td>
<td>Mr. Tusar Kanti Samanta</td>
<td>Demographic transition and economic development</td>
</tr>
<tr>
<td>Geography</td>
<td>Sri Sujit Kumar Bhattacharyya</td>
<td>Economic Development and Resource studies</td>
</tr>
<tr>
<td></td>
<td>Dr. Ruksanara Begum</td>
<td>Human Geography</td>
</tr>
<tr>
<td></td>
<td>Dr. Sourama Saha</td>
<td>Regional Planning and development</td>
</tr>
<tr>
<td></td>
<td>Dr. Chandan Surabhi Das</td>
<td>Environmental Geography and Bio-Geography</td>
</tr>
<tr>
<td></td>
<td>Smt. Shrabana Mazumder</td>
<td>Urban Development and Planning</td>
</tr>
<tr>
<td></td>
<td>Sri Aznarul Islam</td>
<td>Applied Geomorphology</td>
</tr>
<tr>
<td>History</td>
<td>Sri Prabal Bagchi</td>
<td>Economic History of Modern India</td>
</tr>
<tr>
<td>-------------------------</td>
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<td>---------------------------------</td>
</tr>
<tr>
<td></td>
<td>Sri Rajkumar Chakrabarti</td>
<td>Political and social History of Modern India, Historiography</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Dr. Nisith Chandra Das</td>
<td>Maximum Entropy Principle: Characterization and application</td>
</tr>
<tr>
<td></td>
<td>Dr. Prasanta Paul</td>
<td>Ordering and ageing Properties of Reliability Theory and Information Theory</td>
</tr>
<tr>
<td></td>
<td>Dr. Indranath Bhattacharyya</td>
<td>Theoretical Physics, Cosmology and Astroparticle Physics</td>
</tr>
<tr>
<td></td>
<td>Sri Jayanta Biswas</td>
<td>Abstract Algebra: Binary Relation, Semi group, Group; Linear algebra: Matrix algebra; Number Theory: Collatz Conjecture</td>
</tr>
<tr>
<td></td>
<td>Dr. Shobhan Mandal</td>
<td>Abstract algebra: Ring, Semi ring and Semi group Theory</td>
</tr>
<tr>
<td>Philosophy</td>
<td>Dr. Arpita Neogi Sengupta</td>
<td>Logic</td>
</tr>
<tr>
<td></td>
<td>Dr. Madhumita Chatterjee</td>
<td>Environment ethics and Animal Rights</td>
</tr>
<tr>
<td></td>
<td>Sri Mrinal kanti Sarkar</td>
<td>Practical Ethics</td>
</tr>
<tr>
<td></td>
<td>Smt. Debasree Dutta</td>
<td>Western Epistemology</td>
</tr>
<tr>
<td>Political Science</td>
<td>Sri Ranjan Kumar Ray</td>
<td>Ancient and Medieval Public Administration in India</td>
</tr>
<tr>
<td></td>
<td>Sri Kinshuk Nandi</td>
<td>Sustainability and federal Governance</td>
</tr>
<tr>
<td></td>
<td>Smt. Sreemoyee Ghosh</td>
<td>Development and Gender Studies.</td>
</tr>
<tr>
<td>Physics</td>
<td>Dr. Pradip Mukherjee</td>
<td>Theoretical High Energy Physics, Gravitation and Cosmology</td>
</tr>
<tr>
<td></td>
<td>Dr. Shilbhadra Chatterjee</td>
<td>Theoretical Nuclear Physics</td>
</tr>
<tr>
<td></td>
<td>Dr. Sankar Mondal</td>
<td>Condensed Matter Physics</td>
</tr>
<tr>
<td></td>
<td>Dr. Ajita Sengupta</td>
<td>Solid State Physics</td>
</tr>
<tr>
<td></td>
<td>Dr. Dhananjoy Roy</td>
<td>Condensed Matter Physics</td>
</tr>
<tr>
<td></td>
<td>Dr. Srijit Bhattacharya</td>
<td>Experimental Physics</td>
</tr>
<tr>
<td></td>
<td>Dr. Somnath Bhattacharyya</td>
<td>Statistical physics</td>
</tr>
<tr>
<td></td>
<td>Smt. Mina Majumder</td>
<td>Quantum Field Theory, Electronics</td>
</tr>
<tr>
<td></td>
<td>Dr. Sutapa Ghosh</td>
<td>Astrophysics</td>
</tr>
<tr>
<td></td>
<td>Dr. Jyotirmoy Maiti</td>
<td>Theoretical High Energy physics</td>
</tr>
<tr>
<td></td>
<td>Sri Amit Singh Roy</td>
<td>Cosmology</td>
</tr>
<tr>
<td></td>
<td>Sri Sudip Mukherjee</td>
<td>Statistical Physics</td>
</tr>
<tr>
<td>Sanskrit</td>
<td>Sri Tamonash Chakraborty</td>
<td>Indian Philosophy</td>
</tr>
<tr>
<td></td>
<td>Smt. Poulomi Saha</td>
<td>Indian Philosophy and Indian poetics</td>
</tr>
<tr>
<td>Zoology</td>
<td>Dr. Madhumita Manna</td>
<td>Vaccine development for Kala-azar, genome sequencing of clinical isolates of KA, Phyto and Chemotherapy</td>
</tr>
<tr>
<td></td>
<td>Dr. Debojyoti Chakraborti</td>
<td>Fisheries</td>
</tr>
<tr>
<td></td>
<td>Dr. Tuhin Kumar Saha</td>
<td>Animal Physiology, Biochemistry</td>
</tr>
<tr>
<td></td>
<td>Dr. Sanjoy Poddar</td>
<td>Hematology, Immunology</td>
</tr>
<tr>
<td></td>
<td>Dr. Tanaya De</td>
<td>Endocrinology and Reproductive Biology, Cell Biology</td>
</tr>
<tr>
<td></td>
<td>Dr. Debjani Sarkar</td>
<td>Hematology</td>
</tr>
<tr>
<td></td>
<td>Dr. Srikantha Guria</td>
<td>Cell Biology, Endocrinology, Immunology</td>
</tr>
<tr>
<td></td>
<td>Sri Somaditya Dey</td>
<td>Parasitology, Immunology</td>
</tr>
</tbody>
</table>
3.1.8. Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

Almost all the Departments of this Institution frequently organize Seminars and Symposia where a good number of eminent faculty members and researchers from different institutions of repute have visited as Resource Persons and Invited Speakers. Details are given in the following table.

<table>
<thead>
<tr>
<th>Department</th>
<th>Eminent Academicians/Scientists/Visitors</th>
<th>Affiliation</th>
<th>Purpose of visit</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bengali</td>
<td>Dr. Pabitra Sarkar</td>
<td>Jadavpur University</td>
<td>Guest Faculty, PG 1st &amp; 3rd Semester</td>
<td>2014-2015</td>
</tr>
<tr>
<td></td>
<td>Abdul Kafi</td>
<td>Jadavpur University</td>
<td>Guest Faculty, Paper Setter, Examiner, Moderator</td>
<td>2014-2015</td>
</tr>
<tr>
<td></td>
<td>Soharab Hossain</td>
<td>City College</td>
<td>Guest Faculty</td>
<td>2014</td>
</tr>
<tr>
<td></td>
<td>Arun Kumar Ghosh</td>
<td>Burdwan University</td>
<td>Guest Faculty</td>
<td>2014-2015</td>
</tr>
<tr>
<td></td>
<td>Manabendra Mukhopadhyay</td>
<td>Viswa Bharati University</td>
<td>Guest Faculty</td>
<td>2014-2015</td>
</tr>
<tr>
<td></td>
<td>Sabyasachi Deb</td>
<td>Presidency University</td>
<td>Guest Faculty</td>
<td>2014-2015</td>
</tr>
<tr>
<td>Zoology</td>
<td>Dr. Deboprasad Chakraborty</td>
<td>Retired faculty, Presidency College</td>
<td>Special lecture</td>
<td>2014-15</td>
</tr>
<tr>
<td></td>
<td>Dr. Madhusudan Ghosal</td>
<td>Retired faculty, Surendranath College, Kolkata</td>
<td>Special lecture</td>
<td>2014-15</td>
</tr>
<tr>
<td></td>
<td>Dr. S. K. Gupta</td>
<td>Retired Scientist, Zoological Survey of India</td>
<td>Special lecture</td>
<td>2014-15</td>
</tr>
<tr>
<td></td>
<td>Dr. Rupendu Roy</td>
<td>Retired faculty, Barasat Govt. College</td>
<td>Special lecture</td>
<td>2014-15</td>
</tr>
<tr>
<td></td>
<td>Dr. Swadesh Dattagupta</td>
<td>Retired Scientist, Indian Institute of Chemical Biology.</td>
<td>Special lecture</td>
<td>2014-15</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Prof. Debsankar Ray</td>
<td>IACS, Kolkata</td>
<td>Special Lecture</td>
<td>2010-2011</td>
</tr>
<tr>
<td></td>
<td>Prof. Animesh Chakraborti</td>
<td>IACS, Kolkata</td>
<td>Speaker in National Seminar</td>
<td>2011</td>
</tr>
<tr>
<td></td>
<td>Prof. Sanjib Bagchi</td>
<td>IISER, Kolkata</td>
<td>,,</td>
<td>2011</td>
</tr>
<tr>
<td></td>
<td>Prof. Amit Basak</td>
<td>IIT Kharagpur</td>
<td>,,</td>
<td>2011</td>
</tr>
<tr>
<td></td>
<td>Prof. Amitava Sarkar</td>
<td>IACS, Kolkata</td>
<td>,,</td>
<td>2011</td>
</tr>
<tr>
<td></td>
<td>Prof. Kamal Bhattacharyya</td>
<td>Calcutta University</td>
<td>,,</td>
<td>2011</td>
</tr>
<tr>
<td></td>
<td>Prof. Chandrakanta Bandyopadhyay</td>
<td>RKMVC, Rahara</td>
<td>,,</td>
<td>2015</td>
</tr>
</tbody>
</table>
3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

Sabbatical leave is yet to be adopted by Higher Education Department, Government of West Bengal. However, the faculty members make optimal use of Summer and Puja vacations, Winter recess, holidays and preparatory days for pursuing their research. Additionally, the faculty member can avail the UGC Faculty Improvement Programme (FIP) for two years or the Government Sanctioned Study Leave (12 months at any one time and 24 months during service period). The Principal co-operates in facilitating these leave with promptness.

3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/advocating/transfer of relative findings of research of the institution and elsewhere to students and community (lab to land)

Dr. Madhumita Manna, faculty of Department of Zoology has been doing extensive research work on ‘Kala-azar’ and she frequently participates in various awareness programme on this issue. Significantly, in the year 2013 and 2014 she had participated in ‘Kala-azar Detection Camp’ in collaboration with Calcutta National Medical College.
3.2 Resource Mobilization for Research

3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

As such the college does not have any separate provision for funding research work. However, many faculty members have their own research projects funded by different agencies like UGC, DST, and CSIR etc. The college can only provide infrastructural facility to the researchers. A fraction of the Plan expenditure of the State Govt. and Development Grant of UGC are utilized for purchasing sophisticated equipment which are used for research and development purpose in addition to the requirement of the curriculum. The teachers are encouraged to make best use of infrastructural facilities of the college such as library, instruments, laboratory, computer, internet to carry out their research work. The impact of this encouragement can readily be seen from the sheer volume of research projects being carried out by our teachers. Detailed budgetary report is furnished in Criterion VI, Section 6.4.3 and 6.4.4.

3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?

The Institution is a Government College without financial autonomy and bound by the West Bengal Financial Rules in all pertaining matters. Under prevailing circumstance there is no provision for providing seed money to the researchers.

3.2.3 What are the financial provisions made available to support student research projects by students?

As the college has no financial autonomy, it is difficult to provide financial help to support research projects by students. However, the institution provides all forms of infrastructural support for researchers, including library facilities, computer laboratories with internet connections and well equipped laboratories to support the students for their research projects.
3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

One of the primary objectives of the institution is to develop an atmosphere of inter-disciplinary exchanges. For which the following steps have been initiated:

- Regular interaction among different departments on inter-disciplinary subjects.
- Offering inter-disciplinary topics for PG projects and dissertations.
- The curricula of PG departments are designed maintaining inter-disciplinary focus.
- Inter-disciplinary teaching and supervising of inter-disciplinary PG dissertations, e.g. student projects of Physics departments are frequently guided by the faculty members of Chemistry department.
- On-going collaborative research work on Gravitation and Cosmology by Mathematics and Physics faculties.
- Organizing collaborative Seminar/workshops on inter-disciplinary themes, e.g. the Seminar on *Women and Literature* (details in Table 3.8).

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

The College has a Central Instrumentation Facility for the Science departments for research and project works of the students.

- Latest instruments are regularly purchased, and are made available to the students under the supervision of the faculty.
- The students are divided into small groups for effective learning of technical skills as required for operating various sophisticated equipment.
- Computer and Internet facilities are made available to the students for their project/research work.

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If yes’ give details.

The Institution has received many special grant or finances from beneficiary agencies like UGC, DST-FIST etc. for developing research facility. Details are given in section 6.4.4 and 6.4.3.
Moreover, the faculties are also constantly working towards acquiring such financial support and recognition from the related institutes/industries.

3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.

The Research Committee of the College extends full support to the faculty in getting grants from funding agencies for pursuing their individual research projects right from the submission stage till the completion of the project as discussed in detail in Section 3.3.2. The details of ongoing and completed projects and grants received during the last four years have been given in Table 3.6.

3.3 Research Facilities

3.3.1 What are the research facilities available to the students and research scholars within the campus?

- Research laboratories equipped with sophisticated instruments in the departments of Geography, Physics, Chemistry, Botany and Zoology.
- Separate Computer Room with Internet facility in Geography, Physics, Chemistry, Mathematics, Botany and Zoology is available.
- The campus is fully Wi-Fi enabled.
- The Dept. of Geography has an RS-GIS laboratory (with nine desktops for students’ use).
- Specific software tools for research like Remote Sensing - GIS software 21st Century, QGIS (presently installed in the Dept. of Geography) for image analysis and GIS mapping.
- A separate Central Library housing more than Eighty thousand books and fifty journals.
- Access to online research journals through INFLIBNET has been made available in the library.
- Separate Seminar Libraries in all Departments.
- Access to off-campus library facilities like British Council Library through institutional
membership. The faculty members may also avail the libraries of ISI, SINP, and IACS etc. with the recommendation by the Principal.

- Photocopy facility within the campus.

3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

The main strategy of the College is to maintain separate academic and administrative sub-committees like “UGC Committee”, “Research Committee”, “Library Development Committee”, “Seminar Committee” and “Academic Journal Committee” to cater the separate needs of the researchers.

The sub-committees work individually and also cooperatively to chalk out plans for upgrading and creating infrastructural facilities in the new and emerging areas of research.

- The UGC sub-committee monitors the Funds sanctioned by UGC for the College, also the Minor and Major research projects by individual faculty members.
- The Research sub-committees encourage the faculty members to undertake research projects and, in consultation with the Heads of the Departments/Faculty, try to identify both existing and new infrastructure requirements of the researchers.
- The Library sub-committee subscribes new books, journals and e-journals keeping in mind the demands of both UG and PG departments.
- The scholars get access to online journals through INFLIBNET.
- The remaining sub-committees provide additional support necessary to meet the needs of the researchers.

In addition, the College encourages the undertaking of inter-disciplinary research projects by the faculty members of various departments. For example, some PG projects of Physics Department are supervised by the faculty members of Chemistry Department. The college also encourages faculty members to participate in Faculty Development Programmes like Orientation Programme, Refresher Course, Seminar, Workshops, Symposium, Conference, etc. to stay up-to-date with the new and emerging areas of research.
3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities? If ‘yes’, what are the instruments/facilities created during the last four years.

The College has received several special grants from UGC, DST-FIST and State Government for developing research facilities. The major instruments and facilities created during last four years are given below.

### Table 3.11: List of Major Instruments purchased during last four years

<table>
<thead>
<tr>
<th>Department</th>
<th>Year</th>
<th>Name of the Instrument/Facility</th>
<th>Amount</th>
<th>Funding agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Botany</td>
<td>2011-12</td>
<td>Gel Doc EZ-BIO-RASD</td>
<td>Rs. 5,48,773/-</td>
<td>Govt. Grant</td>
</tr>
<tr>
<td></td>
<td></td>
<td>UV-Vis Spectrophotometer (Shimadzu)</td>
<td>Rs. 4,05,000/-</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2012-2013</td>
<td>Carl Zeiss Microscope</td>
<td>Rs. 5,42,709/-</td>
<td>Govt. Grant</td>
</tr>
<tr>
<td></td>
<td></td>
<td>All Quartz Double Distillation Unit with Power Supply- BOROSIL</td>
<td>Rs. 2,61,290/-</td>
<td></td>
</tr>
<tr>
<td>Geography</td>
<td>2012-2013</td>
<td>21st Century Licence user-3</td>
<td>Rs. 37,440/-</td>
<td>Govt. Grant</td>
</tr>
<tr>
<td></td>
<td>2013-2014</td>
<td>Satellite Imagery</td>
<td>Rs. 30,000/-</td>
<td>Govt. Grant</td>
</tr>
<tr>
<td>Zoology</td>
<td>2011-2012</td>
<td>1. Trinocular Research microscope</td>
<td>1.Rs. 299,480/-</td>
<td>UGC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1. Microscope</td>
<td>1.Rs. 1,702,50/-</td>
<td>UGC</td>
</tr>
<tr>
<td></td>
<td>2012-2013</td>
<td>2. Rotary vacuum Evaporator</td>
<td>2. Rs. 2,92,926/-</td>
<td>UGC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3. CO₂ Incubator</td>
<td>3. Rs. 2,75,000/-</td>
<td>UGC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4. Metler balance</td>
<td>4. Rs. 969,17/-</td>
<td>UGC</td>
</tr>
<tr>
<td></td>
<td>2013-2014</td>
<td>1.Cold Centrifuge (Eppendorf)</td>
<td>1. Rs. 6,69,495/-</td>
<td>DBT (Dr. M. Manna’s Research project)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2. Liquid nitrogen Can</td>
<td>2. Rs. 1,47,705/-</td>
<td>DBT (Dr. M. Manna’s Research project)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3. Online UPS (Microteknik)</td>
<td>3. Rs. 3,15,000/-</td>
<td>DBT (Dr. M. Manna’s Research project)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4. Laminar Flow</td>
<td>4. Rs. 2,33,000/-</td>
<td>DBT (Dr. M. Manna’s Research project)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5. Sub Cell GT system with power pack (BioRad)+Gel tray</td>
<td>5. Rs. 1,04,870/-</td>
<td>DBT (Dr. M. Manna’s Research project)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6. Digital balance</td>
<td>6. Rs. 847,30/-</td>
<td>DBT (Do)</td>
</tr>
<tr>
<td></td>
<td>2014-2015</td>
<td>1. Trinocular Microscope</td>
<td>1. Euro 7,000 (approx. Rs. 4,90,000/-)</td>
<td>UGC</td>
</tr>
</tbody>
</table>
### Chemistry

<table>
<thead>
<tr>
<th>Year</th>
<th>Equipment</th>
<th>Cost (Rs.)</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012-13</td>
<td>Borosil all Quartz distillation apparatus</td>
<td>1,50,547/-</td>
<td>State Govt. Grant</td>
</tr>
<tr>
<td>2013-14</td>
<td>1. Mettler Semimicro balance (5 digits)</td>
<td>1,70,100/-</td>
<td>DST-FIST</td>
</tr>
<tr>
<td></td>
<td>2. Shimatsu UV-Visible spectrophotometer</td>
<td>6,86,175/-</td>
<td></td>
</tr>
<tr>
<td>2014-15</td>
<td>Ultra Sonicator</td>
<td>3,02,486/-</td>
<td>UGC</td>
</tr>
</tbody>
</table>

### Physics

<table>
<thead>
<tr>
<th>Year</th>
<th>Equipment</th>
<th>Cost (Rs.)</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012-13</td>
<td>FTIR</td>
<td>8,00,000/-</td>
<td>UGC</td>
</tr>
<tr>
<td>2013-14</td>
<td>STM</td>
<td>6,00,000/-</td>
<td>DST-FIST</td>
</tr>
<tr>
<td></td>
<td>UV-VIS Spectrophotometer</td>
<td>6,00,000/-</td>
<td></td>
</tr>
</tbody>
</table>

#### 3.3.4 What are the research facilities made available to the students and research scholars outside the campus/other research laboratories?

- The College ensures that UG & PG Departments of Zoology, Botany and Geography can go for excursions and field studies, which are mandatory for the respective programmes.
- The college facilitates for the students of the Department of Chemistry to go an educational tour of the Laboratories of the Indian Association for the Cultivation of Science, Kolkata which incites their research interests.

#### 3.3.5 Provide details on the library/information resource center or any other facilities available specifically for the researchers?

- The Central Library of the College houses 80,541 books and subscribes to 50 journals across all subjects which the researchers can access.
- Access to online research journals through INFLIBNET-NLIST is available.
- It contains reading room for the researchers.
- It provides off-campus library facility of British Council Library through institutional membership.
- There are 3 desktop computers connected through LAN and 2 printers in the Library.
- Through LIBSYS software, computerization of catalogues and printing of computer generated catalogues is being done.
- It provides OPAC facility by which the user can know the status of a particular document/book/journal.
- Fumigation chambers are already installed for preservation of old and rare books.
- In addition to these, resources of Seminar Libraries in each Department are also made available to the researchers.
3.3.6 What are the collaborative research facilities developed/created by the research institutes in the college. For ex. Laboratories, library, instruments, computers, new technology etc.

Although the college does not have such facilities at present, however different departments in the college are constantly negotiating with other institutions like ISI, SINP, IACS etc. to develop such facilities in the college campus.

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the staff and students in terms of

- Patents obtained and filed (process and product): Nil
- Original research contributing to product improvement: Nil
- Research studies or surveys benefiting the community or improving the services

*Table 3.12: Some Important Community Surveys done by the College in last four years*

<table>
<thead>
<tr>
<th>Department</th>
<th>Research study/survey</th>
<th>Benefit of the community/improving services</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Madhumita Manna, Department of Zoology</td>
<td>To organize Kala-azar detection camps in different endemic regions of Kala-azar in WB and adjoining states for molecular epidemiological works on Kala-azar in collaboration with Calcutta National Medical College in 2013 and 2014</td>
<td>The rural poor people got the chance of medical checkup by medical officers in one hand and detection of the dreaded disease on the other. The molecular epidemiological research work starting from field to high throughput genome characterization of the clinical isolates will help to divulge the problem of drug resistance and eradication of the disease in future.</td>
</tr>
</tbody>
</table>

- Research inputs contributing to new initiatives and social development

Arindam Bhattacharyya, assistant professor in Economics have done his doctoral research work on "Primary Education In Kolkata Slums-An Enquiry on Stakeholders Behavior" and was actively engaged in a project to prepare "District Human Development Report of North 24 Parganas", under the guidance of Prof. Ratan Khasnabis of Department of Business Management, University of Calcutta, funded by the Government of West Bengal.
### 3.4.2 Does the Institute publish or partner in publication of research journal(s)? If ‘yes’, indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

The College has an Academic Journal, the details of which are given in the Table below.

**Table 3.13: Details of Academic Journal ‘Aureole’**

<table>
<thead>
<tr>
<th>Name of the Journal</th>
<th>Editorial Board</th>
<th>Publication policies</th>
<th>Whether listed in any international database</th>
</tr>
</thead>
</table>
| AUREOLE - AN ACADEMIC JOURNAL (ISSN 0976–9625) | **Chief Editor**- Dr. Subhasis Dutta  
**Executive Editors**- Dr. Basabi Roy Chowdhury  
Smt. Arpita Neogi Sengupta  
Dr. Debojyoti Chakraborty  
**Assistant Editors**-Dr. Prabir Kumar Sen  
Mr. Rajkumar Chakrabarti  
**Associate Editors**- Dr. Madhumita Manna, Dr. Sanjoy Poddar, Dr. Paramita Nandy, Dr. Sanat Kumar Saha, Dr. Sanjukta Muhuri, Mr. Jayanta Biswas, Mrs. Ruksanara Begum, Mr. Jyotirmoy Maity, Ms. Sreemoyee Ghosh, Mr. Kinshuk Nandi | The Academic Journal of Barasat Govt. College publishes two volumes in each year. One volume includes the articles related to Science and another volume is for important articles on Social Sciences and Humanities. All the articles are doubly reviewed by two independent referees. The secrecy policy of the reviewers is strictly maintained. | No |

### 3.4.3 Give details of publications by the faculty and students:

During the period from 2010-2015, the total number of publications by faculty members (serving this College) and students comprising papers published in peer and non-peer reviewed journals, monographs, chapter in books and books with or without ISSN/ISBN No. is 470. Within this period a large section of the faculty has been transferred out to other colleges, as well as, many teachers have been transferred into or been freshly posted to this college. The list of publications of faculty members during 2010-2015 (including all transferred faculty members) has been summarized in the following Table.
Table 3.14: Publications by the Faculty Members for the period 2010-2015

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Bengali</td>
<td>- 9</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>20</td>
<td>1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>English</td>
<td>- 8</td>
<td>6</td>
<td>-</td>
<td>1</td>
<td>8</td>
<td>2</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Economics</td>
<td>8 8</td>
<td>3</td>
<td>-</td>
<td>1</td>
<td>2</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Geography</td>
<td>11 14</td>
<td>7</td>
<td>-</td>
<td>8</td>
<td>7</td>
<td>1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Chemistry</td>
<td>8 1</td>
<td>12</td>
<td>-</td>
<td>1</td>
<td>-</td>
<td>1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Botany</td>
<td>42 11</td>
<td>-</td>
<td>16</td>
<td>5</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Mathematics</td>
<td>10 1</td>
<td>8</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Zoology</td>
<td>61 25</td>
<td>3</td>
<td>7</td>
<td>11</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Physics</td>
<td>42 -</td>
<td>4</td>
<td>-</td>
<td>1</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Political Science</td>
<td>- 3 2 4 1</td>
<td>-</td>
<td>-</td>
<td>1 12</td>
<td>3</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Philosophy</td>
<td>- 1</td>
<td>4</td>
<td>-</td>
<td>3</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Sanskrit</td>
<td>- 1</td>
<td>-</td>
<td>6</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1</td>
</tr>
<tr>
<td>History</td>
<td>- -</td>
<td>1</td>
<td>7</td>
<td>2</td>
<td>-</td>
<td>1</td>
<td>12</td>
<td>-</td>
</tr>
</tbody>
</table>

N.B.: Citation Index, SNIP, SJR, Impact factor, H-index belong to individual faculty members. Therefore these are included in the Departmental Profiles.

Figure 3.1: Publications of faculty members at a glance
3.4.4 Provide details (if any) of
- Research awards received by the faculty
- Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally
- Incentives given to faculty for receiving state, national and international recognitions for research contributions.

**Table 3.15: Research Awards and Recognitions (2010-2015)**

<table>
<thead>
<tr>
<th>Name of Faculty</th>
<th>Department</th>
<th>Research Award received / Recognition received from reputed professional bodies and agencies, nationally and internationally</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sourama Saha</td>
<td>Geography</td>
<td>PhD degree from University of Calcutta, 2010</td>
</tr>
<tr>
<td>Ruksanara Begum</td>
<td>Geography</td>
<td>PhD degree from University of Calcutta, 2011</td>
</tr>
<tr>
<td>Aznarul Islam</td>
<td>Geography</td>
<td>M.Phil. Degree from University of Burdwan, 2013</td>
</tr>
<tr>
<td>Shobhan Mandal</td>
<td>Mathematics</td>
<td>PhD degree from University of Calcutta, 2014</td>
</tr>
<tr>
<td>Nabakumar Bera</td>
<td>Chemistry</td>
<td>PhD degree awarded from Jadavpur University, 2011</td>
</tr>
<tr>
<td>Dipanwita Majumdar</td>
<td>Chemistry</td>
<td>PhD degree awarded from Jadavpur University, 2011</td>
</tr>
<tr>
<td>Debjani Sarkar</td>
<td>Zoology</td>
<td>PhD degree awarded from University of Calcutta, 2011</td>
</tr>
<tr>
<td>Sriekanta Guria</td>
<td>Zoology</td>
<td>PhD degree awarded from University of Calcutta, 2011</td>
</tr>
<tr>
<td>Madhumita Chatterjee</td>
<td>Philosophy</td>
<td>PhD degree awarded from Viswa Bharati University, 2012</td>
</tr>
<tr>
<td>Arindam Bhattacharya</td>
<td>Economics</td>
<td>PhD degree awarded from University of Calcutta, 2013</td>
</tr>
<tr>
<td>Prof. Pradip Mukherjee</td>
<td>Physics</td>
<td>Awarded Visiting Associateship of IUCAA, Pune.</td>
</tr>
<tr>
<td>Shubhra Talai Mukhopadhyay</td>
<td>Botany</td>
<td>PhD degree awarded from University of Calcutta, 2012</td>
</tr>
<tr>
<td>Narayan Chandra Karmakar</td>
<td>Botany</td>
<td>PhD degree awarded from University of Calcutta, 2013</td>
</tr>
<tr>
<td>Saikat Naskar</td>
<td>Botany</td>
<td>PhD degree awarded from University of Calcutta, 2013</td>
</tr>
<tr>
<td>Ambarish Sen</td>
<td>English</td>
<td>State award for performance and achievement as disable person in the field of academics, Dec, 2011</td>
</tr>
<tr>
<td>Gouri Sankar Nag (Transferred faculty)</td>
<td>Political Science</td>
<td>PhD degree awarded from University of Calcutta, 2013</td>
</tr>
<tr>
<td>Arun Kumar Roy</td>
<td>Librarian</td>
<td>PhD degree awarded from University of Kalyani, 2012</td>
</tr>
</tbody>
</table>
3.5 Consultancy

3.5.1 Give details of the systems and strategies for establishing institute-industry interface?

Different departments of the College plan industry visits and educational tours from time to time. Such visits are very much in the curriculum of the PG Departments; additionally, some of the UG Departments have also conducted study tours so that the students get exposure to relevant industries or laboratories. A few examples are given below.

Table 3.16: Industry-Institute Interactions

<table>
<thead>
<tr>
<th>Name of the industry interacted</th>
<th>Purpose of visit</th>
<th>Year of visit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waste Water Plant, Titagarh</td>
<td>Visited by the PG students of Department of Zoology to bring awareness among students</td>
<td>2014</td>
</tr>
<tr>
<td>IFB Agro Industries Ltd.</td>
<td>Interaction with the PG students of Department of Zoology for searching career opportunities in Fisheries</td>
<td>2013</td>
</tr>
<tr>
<td>Pidilite</td>
<td>Students of the college got professional training in fabric related work</td>
<td>2014</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Department</th>
<th>Institute Visited</th>
<th>Year of Visit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>Indian Association for the Cultivation of Science, Jadavpur</td>
<td>2015</td>
</tr>
<tr>
<td>Zoology</td>
<td>Indian Institute of Chemical Biology (IICB), Kolkata</td>
<td>2013</td>
</tr>
<tr>
<td></td>
<td>Institute of Post Graduate Medical Education and Research (IPGMER), Kolkata</td>
<td>2014</td>
</tr>
<tr>
<td></td>
<td>West Bengal State University</td>
<td>2015</td>
</tr>
<tr>
<td></td>
<td>CICFRI Barrackpur and CIFAF, Khardah</td>
<td>2014</td>
</tr>
<tr>
<td>Botany</td>
<td>Botanical Survey of India, Kolkata</td>
<td>2010-2014</td>
</tr>
<tr>
<td></td>
<td>Indian Statistical Institute (ISI), Kolkata</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Presidency University</td>
<td></td>
</tr>
</tbody>
</table>

3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?

All the faculty members of the Institution are free to provide consultancy services on an honorary basis since they belong to West Bengal Education and Senior Education Service (WBES, WBSES). No extra effort is made by the college to advocate and publicize their expertise. However, their expertise is known through various sources like College website, conferences and peer-references. Various organizations /institutes avail of their services frequently on honorary basis.
3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

The IQAC and Research committees of the institution always encourage the faculty members to extend consultancy service. They are provided with On-Duty Leave, if required, for offering their service. There is no scope for obtaining financial revenue for the institute as it is a Government Institute under the Department of Higher Education, Govt. of West Bengal. However, keeping the social commitment in mind, the institute always promotes different consultancy services by the teachers free of cost to different agencies when approached.

3.5.4 List the broad areas and major consultancy services provided by the institution and there venue generated during the last four years.

The broad areas and major consultancy services provided by the Institution during 2010-2015 are as follows:

**Table 3.17: Broad Areas and Major Consultancies of the College**

<table>
<thead>
<tr>
<th>Area of Consultancy</th>
<th>Faculty/Department providing service</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Expertise consultancy</strong> services for nature protection, e.g. the DFO of the North 24 Parganas and a local NGO sought for expert view to preserve old road side rain trees in the district.</td>
<td>Department of Botany, Professors led by HOD, Dr. P. Roy</td>
<td>2013-2014</td>
</tr>
<tr>
<td><strong>Consultant</strong> in a ‘Kala-azar Detection Camp’ organised by Calcutta National Medical College, Kolkata</td>
<td>Dr. Madhumita Manna</td>
<td>2013 &amp; 2014</td>
</tr>
<tr>
<td><strong>Member</strong> of Technical and Research Committee, Biotechnology Department, Govt. of West Bengal</td>
<td>Dr. Jukta Adhikari</td>
<td>Since 2015</td>
</tr>
<tr>
<td><strong>Member</strong> of “International Mass Awareness Programme” (NGO- sponsored by DBT, WB)</td>
<td>Dr. Jukta Adhikari</td>
<td>Since 2014</td>
</tr>
<tr>
<td><strong>Member</strong> of Clinical Research Ethics Committee, Calcutta School of Tropical Medicine, Kolkata.</td>
<td>Dr. Jukta Adhikari</td>
<td>Since 2013</td>
</tr>
<tr>
<td><strong>Reviewer of International Journals:</strong></td>
<td>Dr. Jukta Adhikari</td>
<td></td>
</tr>
<tr>
<td>• Acta Physiologiae Plantarum – Springer - Berlin Heidelberg;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• International Journal of Remote Sensing</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Criterion-III: RESEARCH, CONSULTANCY AND EXTENSION

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Reviewer of an international Journal of Springer entitled &quot;Human Ecology&quot; and Acted as a member of the editorial board of &quot;Monan&quot;</td>
<td>Dr. Chandan Surabhi Das</td>
<td>Since 2013</td>
</tr>
<tr>
<td>District Level Jury Member in Science Awareness Competition by Youth Welfare Department</td>
<td>Dr. Chandan Surabhi Das</td>
<td>2014</td>
</tr>
<tr>
<td>Expert for interviewing qualified Candidates in the written Examination of TET, 2012</td>
<td>Dr. Ruksanara Begum</td>
<td>2013</td>
</tr>
<tr>
<td>Judge in a district level competition in North 24 Parganas district, titled “District Students Science Seminar – 2013”. The topic was “Water Cooperation”, held at Barasat Rabindra Bhavan, Conducted by Dept. of Youth Services.</td>
<td>Jayanta Biswas</td>
<td>29.08.2013</td>
</tr>
<tr>
<td>Joint Convenor in “West Bengal State Students-Youth Science Fair - 2013”, on behalf of North 24 Parganas District, Conducted by Dept. of Youth Services.</td>
<td>Jayanta Biswas</td>
<td>2013</td>
</tr>
<tr>
<td>Role</td>
<td>Name</td>
<td>Years</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>---------------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>Jury Member for selection of Science Model under Inspire Award Programme, held at Barasat Mahatma Gandhi Memorial High School, Conducted by Govt. Of West Bengal through Office of the District Inspector of Schools (SE), North 24 Parganas. This programme had been introduced by the Department of Science and Technology, Govt. Of India.</td>
<td>Jayanta Biswas</td>
<td>15.09.2014</td>
</tr>
<tr>
<td>Exam Coordinator/Officer -in-Charge/venue -in-charge of various Public Examinations like SET, SSC, WBPSC, West Bengal Police Department, Railway recruitment cell, WBCSC etc. at Barasat Government college centre.</td>
<td>Jayanta Biswas</td>
<td>2012, 2013, 2014</td>
</tr>
<tr>
<td>Officer-in-Charge of WBBSE of Barasat Centre (Madhyamik Pariksha)</td>
<td>Jayanta Biswas</td>
<td>2014 and 2015</td>
</tr>
<tr>
<td>Venue-in-Charge of written examination for the recruitment of Constable/ Lady Constable at Barasat Govt. College Centre</td>
<td>Dr. Prabir Kr. Sen</td>
<td>2012</td>
</tr>
<tr>
<td>Supervisor of SET examination at Barasat Govt. College</td>
<td>Dr. Prabir Kr. Sen</td>
<td>2013</td>
</tr>
<tr>
<td>Moderator and External examiner of Government college of Engineering and Ceramic Technology</td>
<td>Swaty Mitra</td>
<td>2012-2015</td>
</tr>
<tr>
<td>Observer of Higher Secondary Examination</td>
<td>Md. Abdur Rafik Sardar</td>
<td>2012</td>
</tr>
<tr>
<td>Venue-in-Charge of Railway recruitment Board Examination at Barasat Government College centre</td>
<td>Md. Abdur Rafik Sardar</td>
<td>2015</td>
</tr>
<tr>
<td>VC Nominee as Subject Expert for Dakshineswar (Adyapith) B.Ed College and Jogen Mondal College of 24 Parganas (N)</td>
<td>Dr. Gouri Sankar Nag</td>
<td>2013</td>
</tr>
<tr>
<td>Jury member in District level Youth Parliament in 24 Parganas (N)</td>
<td>Dr. Gouri Sankar Nag</td>
<td>2010</td>
</tr>
<tr>
<td>Member of Editorial Board of the journal titled “Review Subcontinent”</td>
<td></td>
<td>--</td>
</tr>
</tbody>
</table>
Being a Government College, our teachers have not generated any financial revenue through consultancy services till date. Only admissible Honorarium is given to the concerned Faculty members by the beneficiary Institutes/organisations.

3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?

As a Government Employee, faculty members provide honorary consultancy service. As no income is generated, there is no question of sharing the income generated through consultancy for the institutional development.

3.6. Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the institution promote institution- neighborhood- community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

Barasat Government College organizes various programmes throughout the year to promote institution-neighborhood-community network. The Institution has a strong NSS committee. The NSS wing of the college started functioning in 2002 and has been an active body ever since. The present Unit Coordinator is Md. Abdur Rafik Sardar, faculty in the department of Bengali. The unit is involved in various community works around the year for the betterment of the neighborhood and the holistic development of the students. Student volunteers of NSS unit are also involved in different community services contributing to the good citizenship. In the session 2014-15, the NSS organized the following events:

<table>
<thead>
<tr>
<th>Sl No.</th>
<th>Date</th>
<th>Programme</th>
<th>Venue</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>05.06.2014</td>
<td>World Environment Day celebration</td>
<td>Awareness rally in and around college with festoon and poster</td>
</tr>
<tr>
<td>2.</td>
<td>01.07.2014-02.08.2014</td>
<td>Weeds cleaning in the campus</td>
<td>College campus</td>
</tr>
<tr>
<td>3.</td>
<td>15.07.2014</td>
<td>Tree-planting programme</td>
<td>College campus</td>
</tr>
</tbody>
</table>

*Table 3.18: NSS activities in the Year 2013-14*
4. 04.08.2014 | Rakhi-Bandhan | College campus
5. 26.08.2014 | West Bengal State National Service Scheme | Ramakrishna Mission, Golpark, Kolkata
6. 20.09.2014 | DLSA, Anti-ragging activities | Rabindra Bhavan, Barasat
7. 14.11.2014 | Observation of Children’s Day | College Campus
8. 16.11.2014 | Campus beautification | College Campus
9. 16.11.2014 | Programme on the Protection of Child Rights | Seminar Hall, New Building

- An awareness programme was organized by Environment Protection and Nature Cell of this college in collaboration with Successor’s Elevating Forum on 19th August 2013 regarding Safe handling / usage / savings of Indane LPG domestic Gas. An interactive session and a Quiz Competition was also held after the programme. Honorable Speakers were:
  - Mr. Prasun Kumar Roy, Secretary Successor’s Elevating Forum
  - Mr. P.K. Ghosh, Sales Manager, Indane LPG domestic Gas

- The college NSS unit has organized a programme on "Rastriya Ekta Divas" on 31st October 2014 to commemorate the Birth Anniversary of Sardar Vallabh bhai Patel.

- A special Lecture on "Vivekananda: His Thoughts" was organised on 7th March 2014 with joint collaboration of Philosophy and Sanskrit Departments to promote value education among the students.

- College has organized a programme to celebrate 125th birth anniversary of Dr. B. R. Ambedkar to promote national integration and social harmony.

- A seminar on ‘Child Rights’ was organized by the NSS unit of the college on 29.03.2015.

- The department of Political Science has organized a special Awareness programme on 'Human Rights' in which former Chairman of NHRC, Hon’ble Justice Chittatosh Mookerjee, delivered a keynote address.

- A seminar on Rain Water Harvesting was arranged in collaboration with SWID, Govt. of W.B. on 10th February 2015.

- College has also organized a workshop to promote awareness among the students regarding Thalassaemia and performed blood screening. Total 101 persons are tested, among which 05 students and 02 teachers are found to be carrier.
A special Programme on Yoga was held on 1st July 2015 in the seminar hall of the college for general health awareness.

In addition to all these, the students of this college also interacted with a group of foreign students from UK, Europe and Australia in November 2014 whereby cultural exchanges between different continents were taken place.

### 3.6.2 What is the Institutional mechanism to track students’ involvement in various social movements/activities which promote citizenship roles?

- The college has several bodies like NSS committee, Sport Committee, Cultural Committee etc. constituted with Departmental Teachers to supervise the students' activities inside and outside the campus. The teachers always guide and accompany the students in their involvement of various social movements and activities for promoting citizenship role.
- District Administration sends forms for incorporation of adult students in the Voter's List and monitors the process.
- College NSS unit is guided by few college teachers who are whole heartedly involved with students' social activities. Various committees like Cultural Sub-committee, Seminar Sub-committee, and Beautification Sub-committee work together and exchange ideas with students to work out fruitful method of promoting Institution-neighbourhood-community network.

In addition some selected students are also sent to the nearby ‘Kishalaya Home’ to provide free tuitions to the children and to involve them in various cultural activities.

### 3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

The College encourages stakeholders to engage in its day to day working through interactions with students, parents and guardians of the students, the members of the faculty and the alumni.

As part of the Internal Quality Assessment, the final year UG students fill in feedback questionnaires on teaching-learning process and infrastructural support of the College. This feedback is considered by the respective departments in order to enhance the teaching-learning process and incorporate the valid suggestions of the students. Parent-teacher meetings are held on a regular basis to update the parents about the performance and attendance of their ward and
to learn about the special needs of the individual students. The College interacts closely with its alumni and collaborates with them on several important occasions.

3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

Our institution encourages both students and faculty members to be a part of the NSS scheme thus training the students in community service and making them responsible citizens of India. In our college the convener of NSS unit take care of the necessary expenses which are tabulated below.

![Table 3.19: Expenses of NSS](image)

<table>
<thead>
<tr>
<th>Year</th>
<th>NSS Seminar (Rs.)</th>
<th>NSS Special Camp (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-2011</td>
<td>Rs. 13,000/-</td>
<td>Rs. 12,000/-</td>
</tr>
<tr>
<td>2011-2012</td>
<td>Rs. 13,000/-</td>
<td>Rs. 20,000/-</td>
</tr>
</tbody>
</table>

3.6.5. How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/International agencies?

- Students are always encouraged by our teachers to join NSS service. The students' representatives of our Students' Union campaign in the classes to voluntarily join the social services.
- A faculty member acts as Coordinator of NSS unit and always communicates with the students to ensure their greater involvement.
- Teachers are also motivated by the Principal to join the NSS camp and make the extension activities meaningful.
- Teachers are encouraged by the Principal to give free service to the boarders of nearby ‘Kishalaya Home’.
3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?

In spite of its manifold academic commitments, Barasat Govt. College also takes into consideration the problems and necessities of the differently able students of this college. According to the norms and guidelines of UGC, the college has constituted the 'HEPSN sub-committee' and the 'Equal Opportunity Cell' for providing and monitoring the necessary support system to the students with special needs. The college also ensures barrier-free environment for students with special learning needs and assures them equal opportunities and full participation in regular teaching-learning process and similar co-curricular activities in the college premises. The above mentioned committee arranged several awareness programmes, seminar and discussions on inclusive-education.

Followings are a few awareness programmes organized by this committee:

- An awareness programme was organized in the seminar hall of the college on 21st September 2012 and the topic was "The Problems of Inclusion in Higher Education, For Persons with Disabilities."
- On 27th March 2015, another seminar was arranged by the college on "The Role of Mass Media in Creating Social Awareness for the Differently Able".

On the whole, the college makes sincere endeavor to look after the facilities of the students with special needs by arranging for wheel-chair, building ramps and special toilets and procuring Braille books for the visually challenged. These efforts do not only reassure the differently-abled students but also reflect the sensitized atmosphere of the institution.

3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students’ academic learning experience and specify the values and skills inculcated.

The involvement of students in NSS activities, extension activities and social survey activities enable the students to communicate with different levels in society, which

- make them sensitive towards social realities,
- inculcate within them the spirit of social service,
- teach them to be responsible citizens, and
- contribute to the process of Nation building.
They also acquire a leadership quality, a sense of discipline and team spirit. Hence such activities contribute towards holistic education which is the proclaimed goal of the Institution.

3.6.8 How does the institution ensure the involvement of the community in its outreach activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participating in its activities?

The Institution is an exemplary centre of excellence in the region which imparts along with academic instructions to its students, the fundamental values of life. Hence,

- Students are encouraged to clean the college and the surrounding area. They also organize “Plastic free” drive campaigns not only within the college campus but also in the neighboring locality. During this campaign they collect and get rid of all plastic materials which are less than 40 microns thick. The students also try to convey to the local people the harmful effects of reusing thin plastic sheets and bottles.

- Faculties of the college are equally responsive to social callings.

- Dr. Madhumita Manna, faculty of Department of Zoology had participated in 'Kala-azar Detection Camp' in collaboration with National Medical College in the year 2013 and 2014. This has been helpful for the villagers and a great inspiration for the students, who have been enthused to participate in and contribute to similar camps.

- Dr. Mrinal Kanti Sarkar, faculty of Department of Philosophy acts as secretary of a welfare organization "Suchetana" (Registration No. WB/sh-51 of 2013-2014) and is actively involved in different social activities and community development programmes.

- Dr. Manju Mandal has been instrumental in getting the stray mongrels living in the campus sterilized and vaccinated. She also feeds them regularly. An act that has inspired students to be kind towards animal and respect the bonding of man and his environment – a fundamental component of holistic education.

3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

- The outreach activities have most satisfactorily culminated into the Institution’s collaboration with the Kishalaya home for children. In the coming years this would be one of the most cherished extension programmes on societal service that the Institution would be involved in.
Mass Vaccination cum Awareness Programme has been organized by the "Nature Protection Cell" of Barasat Government College in collaboration with Barasat Municipality, Progressive Veterinary Doctors Association and Animal Support Group (NGO) for vaccination of stray dogs inside and outside the campus.

In the years 2013 and 2014, the College in collaboration with Calcutta National Medical College organized Kala-azar Detection Camp led by Dr. Madhumita Manna, Associate Professor of Zoology of this College. The purpose of the camp was to cater the poor people of the Kala-azar endemic zones of West Bengal and adjoining Jharkhand state in the form of check up for detection of Kala-azar among them. In 2013, the team organized the camps at Maheshtala (Birbhum) and Pakuria (Jharkhand) in collaboration with Lion’s Club of Murarai and Lion’s Club of Rampurhat. Next year, camps were organized in collaboration with another NGO at Beroil, Kushmandi, Dakshin Dinajpur, Maheshtala (Birbhum), Hatiara Missionary School (Birbhum), Rajgram Battala (Birbhum) and Pakuria (Jharkhand) for awareness of the local people and for searching new pockets of Kala-azar. Dr. Anjan Kumar Das, Associate Professor, Calcutta National Medical College was an important member of the team to conduct the camps.

3.6.10 Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.

Following awards/recognitions were received by the students for several extension activities:

<table>
<thead>
<tr>
<th>SL. No.</th>
<th>Name of the student/s</th>
<th>Department</th>
<th>Event</th>
<th>Awarded/Participated</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>A group of students of the department</td>
<td>Political Science</td>
<td>Youth Parliament Competition, organized by Ministry of Parliamentary Affairs</td>
<td>District level Champion</td>
<td>2011</td>
</tr>
<tr>
<td>2.</td>
<td>Sahida Khatun</td>
<td>B.A. General (Morning)</td>
<td>State award for Empowerment of Persons with Disabilities</td>
<td>Award given in the category of 'Role Model' for her outstanding performance in sports</td>
<td>2013</td>
</tr>
<tr>
<td>3.</td>
<td>Two groups of three students each</td>
<td>Chemistry</td>
<td>'Chemiquiz' organised by Presidency University</td>
<td>One group Stood 3rd in the quiz competition</td>
<td>2015</td>
</tr>
</tbody>
</table>
3.7. Collaboration

3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives-collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

The Departments of the Institution have so far organized several UGC-sponsored National and State Level Seminars, Workshops and other events in collaboration with other institutes/organisations [Table 3.8]. These events serve as common platforms for interactions between the Faculty, Experts of other Institutes, research scholars and students. The faculty members of the College individually collaborate with other research laboratories and institutes for pursuing their pre and post-doctoral research work. A few examples are given below.

- Dr. Madhumita Manna, Associate Professor of Zoology is presently continuing her collaboration with Gauhati Medical College, Assam and Calcutta National Medical College, Kolkata for a major research project (amounting Rs. 99.98 L) under DBT TWINNING Programme for NE.
- Dr. Dipanwita Majumdar, Assistant Professor of Department of Chemistry is engaged in collaborative research with Prof. Swapan Kr. Bhattacharyya, Department of Chemistry, Physical Chemistry division, Jadavpur University, Kolkata.
- Mina Mazumder, Assistant Professor of Physics started collaborative research programme with the Department of Theoretical Physics, IACS, Kolkata.
- Dr. Sankar Mandal, Assistant Professor of Physics is continuing collaborative research with Professor D. Chakraborti (Emeritus Professor) at IACS, Jadavpur.
- Dr. Srijit Bhattacharya, Assistant Professor of Physics collaborated with experimental Nuclear Physics Division at VECC, Kolkata.
- Dr. Jyotirmoy Maiti, Assistant Professor of Physics collaborated with Theory division SINP, Kolkata and Department of Theoretical Physics, TIFR, Mumbai.
- Dr. Pradip Mukherjee, Professor of Physics continued his collaboration with Professor Rabin Banerjee, SNBSCBS, Kolkata.
3.7.2 Provide details on the MoUs/collaborative arrangements (if any) with institutions of national importance/other universities/industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

A Memorandum of Agreement was made between DBT, Department of Biotechnology, Ministry of Science and Technology, Govt. of India and Barasat Govt. College whereas DBT being desirous of Health Sciences decided to support a project submitted by Dr. Madhumita Manna, Faculty of Department of Zoology. Front page of the Memorandum is given below.
3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment/creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories/library/new technology/placement services etc.

The industry-institution-community interactions have not directly contributed to the establishment/creation/up-gradation of academic facilities, student and staff support or infrastructure facilities of the Institution. However, Career Counselling Cell of the College which takes active role to inform the students about different career opportunities in various industries/companies. Details of such programmes of the Cell is being shown in the Criterion II, section 2.6.4, Table 2.18.

3.7.4 Highlighting the names of eminent scientists/participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.

Many eminent scientists/academicians/resource persons visited the College for participating in the National seminars, conferences and special lecture organized by different departments of the College. The detailed list has been given in Table 3.8.

3.7.5 How many of the linkages/collaborations have actually resulted informal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated-

Some examples of informal linkages that enhanced or facilitated the following are given below.

a) Curriculum development/enrichment- Curriculum development at the UG level is a collective process under the leadership of the University. The teachers of the College who are BOS members actively take part in the development of the curriculum. They express their opinions during introduction of new Curriculum or for amendment/change of the existing Curriculum. The PG Departments like Physics, Botany, Bengali etc have also introduced changes in the existing M.A/M.Sc. syllabi and has also been successful in introducing some Special Papers in M.A/M.Sc.

b) Internship/On-the-job training - The career-cell has been entrusted to procure information in this matter, so that in future the college can facilitate Internships/on the job-training.

c) Summer placement - None yet, but the career-cell is giving this point utmost attention.
d) Faculty exchange and professional development - The collaborative research work with premier institutes, along with Refresher Course and Orientation Programmes, enable faculty development. Faculty exchange programmes are not possible as it would require different levels of government order and negotiation.

e) Research - Some of the faculty members have done and/or are doing research work in collaboration with other national and international institutes. These have resulted in quite a few collaborative research projects and several publications in national and international journals. These have been presented in the relevant sections [Table 3.6 and Annexure-1]

f) Consultancy - Collaboration with the institutes enables the departments of the college to consult with the faculty members of the collaborative institutes regarding various academic.

g) Extension - The Institution has successfully organized several extension activities in collaboration with various agencies. [Section 3.6.1, Table 3.8]

h) Publication - Nil

i) Student Placement - The Career Counselling sub-committee of the College organizes placement drives from time to time.

j) Twinning programmes - Dr. Madhumita Manna, Associate professor of Zoology is presently continuing her collaboration with Gauhati Medical College, Assam and Calcutta National Medical College, Kolkata for a major research project (amounting Rs. 99.98 L) under DBT TWinning Programme for NE.

k) Introduction of new courses - This is subject to the permission from the affiliating university, that is, WBSU and Govt. of West Bengal. Proposal for post-graduation course in Chemistry was submitted to the Higher Education Department, Govt. of West Bengal for necessary approval. Proposals were also made for the introduction of UG courses in Statistics and Physical Education.

l) Student exchange - None

m) Any other - Nil

3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/ collaborations.

Even though this aspect of academic pursuit is not specifically included in the College curriculum, however individual teachers and their expertise as researchers engaged in exchange of academic dissemination of information often generate linkages and collaborations.
CRITERION – IV

INFRASTRUCTURE AND LEARNING RESOURCES
4.1. Physical Facilities

4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

The policy of the institution focuses on optimal utilization of the available infrastructural resources, given the fact that the College has a limited land area. In the last few years the College has witnessed the completion of the four-storied Annex Building, augmentation of floor space for the Department of Botany and Zoology in the Main Building to accommodate new laboratories meant for specialized research, ongoing construction of the new Chemistry building, revamping the floor area of Central Library, addition of new classrooms on the ground floor of Main building by shifting the Boys’ and Girls’ Common Rooms to a standalone facility, landscaping and beautification of the campus area etc. In addition to this, proposals have been sent for construction of ‘Library and Morning Section Building’ and ‘Extension of Annex Building’. The total built-up area of the College being 3,245 sq.mts. out of 9,029 sq.mts. of available land area, there is a limited scope for horizontal expansion. However, the College authority is hopeful that the augmentation of infrastructural facilities will reflect positive results in effective teaching-learning.

The College authority is careful in creation and maintenance of physical assets within the campus. Apart from regular aspects like classrooms, laboratories etc., the authority is also attentive to other specific needs. For example, the flooring of PG Departments of Botany and Zoology have been done with vitrified tiles, so that dust particles which may compromise research findings, can be eliminated. New toilet complexes have been set up especially for the students, adequate power back-up facility has been created, the reading room of the Central Library has been brought under air-conditioning facility and introduction of Campus Wi-Fi network solutions is on the anvil.

It is hoped that the blend of physical infrastructure with the human resource will help the College to scale newer heights in terms of teaching-learning process.
4.1.2. Detail the facilities available for

a. Curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.

- Following are the details of Classrooms, laboratories and computer laboratories available in different Departments of the College

<table>
<thead>
<tr>
<th>Location/Department</th>
<th>Number of Classrooms</th>
<th>Technology enabled learning space</th>
<th>Number of Laboratories</th>
<th>Number of Computer Laboratories</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main Building</td>
<td>07</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>PG department of Bengali</td>
<td>05</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>PG Department of Zoology</td>
<td>05</td>
<td>01</td>
<td>05</td>
<td>01</td>
</tr>
<tr>
<td>PG Department of Physics</td>
<td>04</td>
<td>--</td>
<td>06</td>
<td>01</td>
</tr>
<tr>
<td>PG Department of Botany</td>
<td>04</td>
<td>01</td>
<td>10</td>
<td>01</td>
</tr>
<tr>
<td>Department of Geography</td>
<td>03</td>
<td>--</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Dept. of Economics and Mathematics</td>
<td>02</td>
<td>--</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Department of Chemistry</td>
<td>04</td>
<td>--</td>
<td>05</td>
<td>01</td>
</tr>
<tr>
<td>Total</td>
<td>34</td>
<td>02</td>
<td>28</td>
<td>06</td>
</tr>
</tbody>
</table>

- Rest of the infrastructural aspects are being mentioned below

**Seminar halls**

The College has built a state-of-the-art sound proof air-conditioned Auditorium-cum-Seminar Hall on the second floor of the Annex Building, where all modern facilities are available to conduct seminars, lectures, presentations, film shows and other functions.

Additionally, two air-conditioned e-classrooms have also been established in the PG Departments of Zoology and Botany. These facilities can alternatively function as Seminar Halls and are utilized to conduct Departmental seminars and other notable academic activities.
### Tutorial spaces
Normal classrooms are utilized as tutorial space beyond regular class hours

### Botanical garden
The College has a medicinal plant garden maintained by the faculty members of PG Department of Botany.

### Animal house
The college is considering for introduction of this facility, pending the necessary approval from regulatory authorities.

### Specialized facilities and equipment for teaching, learning and research
All science Departments have specialized facilities for research. Along with these e-classrooms have been set up in the Departments of Zoology and Botany to augment the process of teaching-learning.

The PG department of **Physics** has a scanning tunnelling electron microscope, an F.T.I.R, an UV-Vis spectrophotometer, material preparation furnace and ovens, battery tester and MHz-GHz spectrum analyser among the state of the art facilities.

The PG Department of **Botany** has an array of modern devices such as microscopic techniques (digital and phase contrast microscopes), several electrophoresis devices, lyophiliser, thermocycler, UV-VIS spectrophotometer, gel documentation system, -20° freezer, several laminar airflow, cold centrifuge, rotary microtone, rotary evaporator, double distillation set, flame photometer and such other instruments. Thus it is feasible for the students as well as faculty members to device any research plan and perform a major part of their research work here only. By using this facilities even the PG students have accomplished the feat of publishing their research works in many national and international journals.

The laboratory resources of the PG Department of **Zoology** include ELISA reader, Gel Doc apparatus, Thermocycler, Cold Centrifuges, Spectrophotometer, Digital balances, -20° freezer, Phase Contrast microscope with photographical attachment, Sterilizing hood, Protein and DNA Gel electrophoresis apparatus, distillation plant etc. and a Museum comprising common as well as rare zoological specimens. Separate laboratories are available for the varied specializations of M.Sc while the faculties also have their own laboratories for research purposes.
Photograph 4.1: Special Research Laboratory in PG Department of Botany

Photograph 4.2: Students of Geography Honours engaged in Survey
b. Extra-curricular activities – sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.

<table>
<thead>
<tr>
<th><strong>Sports; Outdoor and Indoor games</strong></th>
<th>Yes, the College offers facilities for Volleyball, Badminton and Football among the outdoor games. Carom and Table Tennis facilities are also available in the Common rooms as indoor games.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Gymnasium</strong></td>
<td>Yes, the College has well-equipped multi-gym facility.</td>
</tr>
<tr>
<td><strong>Auditorium</strong></td>
<td>Yes, the College has built a state-of-the-art sound proof air-conditioned Auditorium-cum-Seminar Hall on the second floor of the Annex Building. Good quality sound system, flat panel LCD TV with satellite downlink, remote controlled fixed overhead projector with screen, whiteboard, ambient lighting, cushioned chairs, attached toilet, concealed wiring, wooden veneers in walls and flooring – these are some of the facilities of the Auditorium.</td>
</tr>
<tr>
<td><strong>NSS, NCC</strong></td>
<td>The College has an active unit of the NSS, which engages in various community outreach programmes. However, currently there is no NCC unit.</td>
</tr>
<tr>
<td><strong>Cultural activities</strong></td>
<td>Yes, the College offers all necessary facilities for hosting cultural functions. In case of large gatherings, the nearby Govt. run auditorium complex named Rabindra Bhavan is utilized.</td>
</tr>
<tr>
<td><strong>Public speaking</strong></td>
<td>Though the College does not have any specific facility for this purpose, students’ seminars, debates and extempore offer proper platforms to develop this skill.</td>
</tr>
<tr>
<td><strong>Communication skills development</strong></td>
<td>The College is yet to offer specialized language laboratory facility. However, proposals to set up such facility are being considered actively.</td>
</tr>
<tr>
<td><strong>Yoga</strong></td>
<td>Yes, there are facilities for practising Yoga.</td>
</tr>
<tr>
<td><strong>Health and hygiene</strong></td>
<td>Yes, healthcare needs of students are met through Students’ Health Home. There is also First Aid facility available in the campus. Nearly all teaching and non-teaching staff have been covered under Cashless West Bengal Health Scheme.</td>
</tr>
</tbody>
</table>
Photograph 4.3: Students’ Seminars provide platform to hone Public Speaking Skills

Photograph 4.4: Yoga session at the College
4.1.3. How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution / campus and indicate the existing physical infrastructure and the future planned expansions if any).

As mentioned in Point No. 4.1.1 above, the College has witnessed the completion of the four-storied Annex Building, augmentation of floor space for the Department of Botany and Zoology in the Main Building to accommodate new laboratories meant for specialized research, ongoing construction of the new Chemistry building, construction of ramp and railing in both the Main building and Annex building, revamping the floor area of Central Library etc. in the last few years. In addition to this, proposals have been sent for construction of ‘Library and Morning Section Building’ and ‘Extension of Annex Building’. While the Master Plan is being enclosed in the next section, the following table shows some of the grants received by the College to augment the physical infrastructure.

**Table 4.1: Instances of utilization of Grants to augment Physical Infrastructure**

<table>
<thead>
<tr>
<th>Name/Purpose of the Grant</th>
<th>G.O. Number</th>
<th>Amount (Rs.)</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>UGC Golden Jubilee Grant for Construction of Extension of Annex Chemistry Building</td>
<td>WG-032/11-12 dated 05.12.13 and 02.01.14</td>
<td>25,00,000</td>
<td>U.C on 11.09.13 and 23.06.15</td>
</tr>
<tr>
<td>Govt. Grant for Construction of Annex Chemistry Building</td>
<td>G.O. No.132/Sanc/ EH/P/CG/ 4-C-77/2012 dated 20.07.12</td>
<td>46,46,969</td>
<td>U.C Submitted</td>
</tr>
<tr>
<td>Govt. Grant for Construction of Extension of New Science (Annex) Building</td>
<td>G.ONo.691(Sanc)/ EH/ P/CG/4C-106/ 2011 dated 17.02.15</td>
<td>5,00,000</td>
<td>Revalidation Submitted</td>
</tr>
<tr>
<td>UGC Fund for B.A. Building</td>
<td>MSWS-039/09-10 (ERO) dated 01.11.11</td>
<td>9,00,000</td>
<td>U.C on 04.09.12 and 10.12.13</td>
</tr>
<tr>
<td>UGC Grant under HEPSN Component-2 for Construction of ramp and railing</td>
<td>MSWS-039/09/10 dated 01.11.11</td>
<td>5,00,000</td>
<td>U.C on 11.09.13</td>
</tr>
<tr>
<td></td>
<td>MSWS-039/09/10 dated 09.09.14</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Figure 4.1: Master Plan of the College showing areas for future expansion
4.1.4. How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

Construction of ramp and rail in both the Main building and the Annex building has been completed by utilizing UGC Grant under HEPSN Component-2 for Construction of ramp and railing. However, it should be mentioned here that this being a Government College, all infrastructural plans and works are commissioned and executed by the PWD, as per proposals of the College authority. Hence, the College has little scope to retro-fit the existing buildings with lift/elevator on its own. However, option for installing elevators are under active consideration. For the time being, the classes of these differently-abled students are placed on the ground floor as far as practicable while preparing the routine.

On the other hand, the College has ensured basic facilities for the persons with disabilities, such as provision for wheel chair, braille books in the library, hearing aid facility etc. The HEPSN sub-committee is actively exploring other options to improve such infrastructure.

4.1.5. Give details on the residential facility and various provisions available within them:

| **Hostel Facility – Accommodation available** | While the College is yet to have its own hostel, arrangements have been made to reserve boarder seats for SC, ST girl students in the nearby Sarama Singh Girls’ Hostel, run by Backward Classes Welfare Department, Govt. of West Bengal. Construction of a hostel is under active consideration of the College. Proposals for allotment of land in this regard are being sent to proper authorities. |
| **Recreational facilities, gymnasium, yoga centre, etc.** | Such facilities cannot be offered as the College yet to have its own hostel. However, all of these recreational facilities are available within the College campus during regular College hours. |
| **Computer facility including access to internet in hostel** | N.A. |
| **Facilities for medical emergencies** | N.A. |
| Library facility in the hostels | N.A. |
| Internet and Wi-Fi facility | N.A. |
| Recreational facility-common room with audio-visual equipment | N.A. |
| Available residential facility for the staff and occupancy | Since the teachers are cadres of W.B.E.S, State Government Quarters are arranged for them by the district administration as and when they apply for the same. While one Quarter is available for Non-teaching staff within the College campus, accommodation is also provided by the district administration as and when they apply. |
| Constant supply of safe drinking water | N.A. |
| Security | N.A. |

4.1.6. What are the provisions made available to students and staff in terms of health care on the campus and off the campus?

Govt. Hospital as well as a number of private hospitals are in the close vicinity of the College. These are availed in case of emergency. All teaching and non-teaching employees of the institution and their family members, are assured of their health insurance aspects through the Cashless West Bengal Health Scheme. Healthcare needs of students are met through Students’ Health Home and accordingly each student is charged a nominal fee at the time of admission. There is also First Aid facility available in the campus.

Thalassemia carrier detection for all students has begun in the on-going academic session. Five students and two teachers have been identified as carriers and reports have been sent to the Department of Health and Family Welfare, Government of West Bengal for necessary follow up.
4.1.7. Give details of the Common Facilities available on the campus – spaces for special units like IQAC, Grievance Redressal unit, Women’s Cell, Counselling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

<table>
<thead>
<tr>
<th>Facility</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>IQAC</strong></td>
<td>Yes, a room is provided in the third floor of Main building.</td>
</tr>
<tr>
<td><strong>Grievance Redressal unit</strong></td>
<td>Yes, a room has been allotted for running the Internal Complaints Committee and Grievance Redressal Cell.</td>
</tr>
<tr>
<td><strong>Women’s Cell</strong></td>
<td>Yes, the room for ICC is alternatively utilized.</td>
</tr>
<tr>
<td><strong>Counselling and Career Guidance</strong></td>
<td>Yes, a room has been allotted on the ground floor of Main Building for the Career Counselling Cell of the College.</td>
</tr>
<tr>
<td><strong>Placement Unit</strong></td>
<td>It is available along with career counselling cell</td>
</tr>
<tr>
<td><strong>Health Centre</strong></td>
<td>First Aid facility is available within the campus. Students are eligible to receive medical facilities under Students’ Health Home. Teaching and non-teaching staff are eligible to receive cashless treatment under West Bengal Health Scheme.</td>
</tr>
<tr>
<td><strong>Canteen</strong></td>
<td>Yes, a subsidized canteen has been set up in the College.</td>
</tr>
<tr>
<td><strong>Recreational spaces for staff and students</strong></td>
<td>Yes, such facilities are available for both staff and students.</td>
</tr>
<tr>
<td><strong>Safe drinking water facility</strong></td>
<td>Yes, such facility is available at multiple locations.</td>
</tr>
<tr>
<td><strong>Auditorium</strong></td>
<td>Yes, an auditorium has been set up.</td>
</tr>
</tbody>
</table>

*Photograph 4.5: Subsidized canteen of the College*
4.2. Library as a Learning Resource

4.2.1. Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?

Yes, the library has an advisory committee comprising the teachers of different departments as members, Principal of the College as Chairman and Librarian as Convener, one student as co-opted member and Library Assistants are invitee members.

As per the decision of the Committee the following significant aspects have been implemented to make the library user-friendly:

- Timing of the library has become effective for users of both morning and day section.
- Process of Computerization of library resources is going on and process of accessioning and Cataloguing of new books are being computerized.
- New books are purchased keeping in mind the effectiveness of collection development.
- Internet facility is being provided to users.
- AC is installed in the Reading Room to make it user-friendly.
- More and more books are sent to the Seminar Library for effective use.
- Besides regular Pest Control, Fumigation Chamber is used for book preservation.

4.2.2. Provide details of the following:

| **Total area of the library (in Sq. Mts.)** | 400 sq. mts. |
| **Total seating capacity** | 37 |
| **Working hours (on working days, on holidays, before examination days, during examination days, during vacation)** | Monday to Friday: 9.00 a.m. to 5.00 p.m.
Saturday: 9.00 a.m. to 2.00 p.m.
During Examination: as usual timing
Vacation: 11.00 a.m. to 4.00 p.m. |
| **Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)** | It is available at the College Library for perusal. |
Photograph 4.6: Reading Room of our College Library

Photograph 4.7: Lending Section of the College Library
4.2.3. How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

The collection of the library is worthwhile and need-based to its users. After ascertaining both the expressed and unexpressed demands of the users through the statistics relating to books circulated from and consulted in the library and suggestions from the library staff working in the circulation counter and also from the users and faculty members, the books and other printed materials are purchased in the library as soon as funds come from State Govt., UGC or DST keeping in mind the syllabi of the courses run in the college itself.

**Table 4.2: Year-wise Purchase of Books and Journals in the central Library**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No.</td>
<td>Total Cost (Rs.)</td>
<td>No.</td>
<td>Total Cost (Rs.)</td>
</tr>
<tr>
<td>Text books</td>
<td>2,712</td>
<td>12,63,391</td>
<td>1,412</td>
<td>6,91,434</td>
</tr>
<tr>
<td>Reference Books</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Journals/Periodicals</td>
<td>21</td>
<td>20</td>
<td>25</td>
<td>33</td>
</tr>
<tr>
<td>e-resources</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Any other (specify)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4.2.4. Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

**OPAC**

OPAC facility exists in the library by which the user can know the status of a particular document.

**Electronic Resource Management package for e-journals**

The College has subscribed the membership of INFLIBNET-NLIST and British Council Library.

**Federated searching tools to search articles in multiple databases**

No

**Library Website**

The College website has a link to Library of the College.

**In-house/remote access to e-publications**

No
**Library automation**

Library automation process is going on using LIBSYS Software.

**Total number of computers for public access**

03

**Total numbers of printers for public access**

In special cases one printer is made available for users.

**Internet bandwidth/speed**

- 2 mbps
- 10 mbps
- 1gb (GB)

**2 mbps**

**Institutional Repository**

Nil

**Content management system for e-learning**

N.A.

**Participation in Resource sharing networks/consortia (like Inflibnet)**

INFLIBNET on line journals and British Council Library on line journals

### 4.2.5. Provide details on the following items:

<table>
<thead>
<tr>
<th><strong>Average number of walk-ins</strong></th>
<th>100 - 120</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Average number of books issued/returned</strong></td>
<td>40 - 45</td>
</tr>
<tr>
<td><strong>Ratio of library books to students enrolled</strong></td>
<td>3 : 1</td>
</tr>
<tr>
<td><strong>Average number of books added during last three years</strong></td>
<td>3659</td>
</tr>
<tr>
<td><strong>Average number of login to OPAC</strong></td>
<td>20 - 25</td>
</tr>
<tr>
<td><strong>Average number of login to e-resources</strong></td>
<td>10 - 15</td>
</tr>
<tr>
<td><strong>Average number of e-resources downloaded/printed</strong></td>
<td>10 - 15</td>
</tr>
</tbody>
</table>

**Number of information literacy trainings organized**

The College runs Computer literacy training programme. Besides the Library Staff help the student users with regard to information literacy.

**Details of “weeding out” of books and other materials**

Badly damaged books and documents are kept apart in some other places within the Library. The power of writing off the weeded out books is delegated to the member of the Governing Body of the College.
4.2.6. Give details of the specialized services provided by the library

<table>
<thead>
<tr>
<th>Service</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manuscripts</td>
<td>No</td>
</tr>
<tr>
<td>Reference</td>
<td>Reference service is provided on demand.</td>
</tr>
<tr>
<td>Reprography</td>
<td>Reprography service is available keeping in mind the rules in relation to IPR/Copyright Act.</td>
</tr>
<tr>
<td>ILL (Inter Library Loan Service)</td>
<td>No</td>
</tr>
<tr>
<td>Information deployment and notification</td>
<td>No</td>
</tr>
<tr>
<td>Download</td>
<td>User can download their required documents from e-corner of the library.</td>
</tr>
<tr>
<td>Printing</td>
<td>Printing facility is available in special cases.</td>
</tr>
<tr>
<td>Reading list/Bibliography compilation</td>
<td>Catalogue cards are consulted for bibliographic details.</td>
</tr>
<tr>
<td>In-house/remote access to e-resources</td>
<td>No</td>
</tr>
<tr>
<td>User Orientation and awareness</td>
<td>Library staff always help the users to know how to use the Library Catalogue and OPAC and how they can get their required books &amp; documents from the library. Printed Library Rules also provided to each student user at the time of giving membership to them.</td>
</tr>
<tr>
<td>Assistance in searching Databases</td>
<td>The Library staff assist the users to search databases they require.</td>
</tr>
<tr>
<td>INFLIBNET/IUC facilities</td>
<td>INFLIBNET-NLIST journals are available on line.</td>
</tr>
</tbody>
</table>

4.2.7. Enumerate on the support provided by the Library staff to the students and teachers of the college.

- The library staff of the college have an unbiased and non-prejudiced mindset being at the receiving end to satisfy the needs of the users. They are friendly and willing to help users who have problems locating what they need in the library. They treat users with respect to make them feel important. In facts they have obsessive desire to provide quality service to their users.

- Career related magazines are displayed in the reading area of the library in order to help students for career development.

- Processing works for new books are done expeditiously to get them accessible to the users within a very short period of time after purchase.
4.2.8. What are the special facilities offered by the library to the visually/physically challenged persons? Give details.

Braille books are purchased for visually challenged persons and these books are kept in such a place where they can be used at ease.

4.2.9. Does the library get the feedback from its users? If yes, how is it analyzed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analyzed and used for further improvement of the library services?)

In the general feedback form supplied to the students, provision has been made to obtain formal feedback on the facilities and services of the library. Analysis of such feedbacks are shared with the Library staff to improve the standards of service. Feedbacks are also obtained from the users through verbal questions asked to them. Besides there is a suggestion box in front of the library room to obtain suggestions/complaints from the users. The feedback analysis is conducted from users’ perspective considering the way in which the users view a particular phenomenon and how and why they consider strengths to be strengths and weaknesses to be weaknesses. Thus through this measure of evaluation, the library tries its best to achieve its goal to get its resources utilized.

4.3. IT Infrastructure

4.3.1. Give details on the computing facility available (hardware and software) at the institution.

| Number of computers with Configuration (provide actual number with exact configuration of each available system) | 130 number of desktop, laptop and all-in-one computers are available at the College. Of these, most are run with Operating system of Microsoft Windows-7 or above. Latest Office software is loaded in each machine. While the processor in some of the machines are of older configuration, the laptops are fitted with Intel Core2duo or Corei3 processor. In the department of Physics, nearly all desktop machines are run with Linux OS. |
| Computer-student ratio | 1:21 |
| Stand-alone facility | 110 |
LAN facility | 20
Wifi facility | 100
Licensed software | RS_GIS software in the Department of Geography, LibSys in Library, COSA software in Office.
Number of nodes/ computers with Internet facility | 100
Any other |

4.3.2. Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?

The following table shows the computer facility available with various department.

Table 4.3: Computers available for Staff and Students

<table>
<thead>
<tr>
<th>Sl No.</th>
<th>Department/Location</th>
<th>Desktop</th>
<th>Laptop</th>
<th>Used by students</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Principal’s Chamber</td>
<td>01</td>
<td>01</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Bengali</td>
<td>02</td>
<td>01</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Botany</td>
<td>12</td>
<td>02</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Chemistry</td>
<td>04</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td>5.</td>
<td>Economics</td>
<td>02</td>
<td>01</td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>English</td>
<td></td>
<td>01</td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>Geography</td>
<td>14</td>
<td>02</td>
<td>11</td>
</tr>
<tr>
<td>8.</td>
<td>History</td>
<td></td>
<td>01</td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>Library</td>
<td>08</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td>10.</td>
<td>Mathematics</td>
<td>17</td>
<td>02</td>
<td>13</td>
</tr>
<tr>
<td>11.</td>
<td>Philosophy</td>
<td></td>
<td>01</td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td>Physics</td>
<td>15</td>
<td>03</td>
<td>13</td>
</tr>
<tr>
<td>13.</td>
<td>Political Science</td>
<td></td>
<td>01</td>
<td></td>
</tr>
<tr>
<td>14.</td>
<td>Sanskrit</td>
<td></td>
<td>01</td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td>Zoology</td>
<td>08</td>
<td>03</td>
<td>02</td>
</tr>
<tr>
<td>16.</td>
<td>Office</td>
<td>06</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20.</td>
<td>Career Counselling</td>
<td>01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>21.</td>
<td>IQAC</td>
<td>01</td>
<td></td>
<td>(All-in-One)</td>
</tr>
<tr>
<td>22.</td>
<td>Admission Committee</td>
<td>02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>23.</td>
<td>Computer Training</td>
<td>12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>24.</td>
<td>Other</td>
<td>01</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Provision for imparting compulsory computer course to the under-graduate students of this College has been set up, in collaboration with the National Institute of Electronics & Information Technology (NIELIT), an affiliate of Dept. of Information Technology, Government of India.
All the departments, library and office have already been made Wi-Fi enabled through optical-fiber, whereby internet access is available to all the smart devices and gadgets located within a broad perimeter through a secured channel. Under the National Mission on Education through ICT (NMEICT), funded by the Ministry of Human Resource Development, Government of India, provision for high speed broadband internet by BSNL has been created in all the Departments, Teachers’ Room, Library and College Office as well.

With fast-changing technological landscapes, medium of accessing internet is changing too. Instead of fixed nodes for internet access, Wi-Fi zones are the new norm. The College has already taken initiative to enable the entire College with Campus-Wi-Fi Solution Network.

4.3.3. What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

Following strategies have been deployed by College to upgrade IT infrastructure and Associated facilities.
• Using software for complete online admission process. This is in operation since 2013-2014 session.
• Online admission fee collection through SBI e-connect has been introduced. It has made the entire process easy and less time consuming for stakeholders.
• The college has introduced the following software programmes for financial management during the years that have created noticeable impact on the functioning of the college.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Software</th>
<th>Purpose</th>
<th>Developed by</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>COSA</td>
<td>Pay Roll</td>
<td>NIC</td>
</tr>
<tr>
<td>2</td>
<td>E-Pradan</td>
<td>Accounting system</td>
<td>CMC</td>
</tr>
<tr>
<td>3</td>
<td>SBI e-connect linked e-fill up</td>
<td>Online admission</td>
<td>ITS</td>
</tr>
</tbody>
</table>

• The Central Library of the college has been upgraded with the installation of the following software.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Software</th>
<th>Purpose</th>
<th>Developed by</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>LibSys</td>
<td>Digital cataloguing</td>
<td>LibSys</td>
</tr>
<tr>
<td>2</td>
<td>Inflibnet</td>
<td>Surfing for journals and periodicals</td>
<td>UGC</td>
</tr>
</tbody>
</table>

4.3.4. Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution (Year-wise for last four years).

Procurement, upgradation and deployment of computers and their accessories are done by utilizing the funds available under Equipment grants received from the State Govt. under Plan head and from UGC under ‘Additional Grant for equipment’. Details of funds made available and utilization of the same has been incorporated in Table No. 6.3 and Table No. 6.5 in Criterion-VI.
The UGC has decided to accord a total corpus fund of Rs. 27,95,580/- as Grant-in-aid under the head PBG-35 and Rs.6,98,895/- under the head PBG-31 to the College during the XII\textsuperscript{th} Plan period. Among these, an amount of Rs. 5,98,895/- in total is sanctioned as Instrument maintenance facility under the head PBG-35 and PBG-31, including repairing and maintenance of equipment. The college hopes to receive more of such grants in future. Also Rs. 50,000/- per annum is available from State Govt. for maintenance of equipment.

4.3.5. How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students?
E-classrooms have been set up in various departments and the teachers are encouraged to conduct class lectures through power-point presentations. The response by the students is noteworthy and the College authority has decided to extend the facility to as many classrooms as possible. Besides, students get a hands-on training in use of computers and software in the computer laboratories of various departments.

4.3.6. Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching-learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.
ICT enabled class lectures are organized keeping the needs and specificities of the students in mind. They are also encouraged to utilize the internet browsing points made available at various locations. The Annex building of the College is currently Wi-Fi enabled, giving students the requisite scope for self-learning through internet. Again, the College Library offers a plethora of e-resources through UGC-Inflibnet facility and online access of British Council Library. Thus, the new era of teacher-student relationship is mediated by the proactive role of technology.

4.3.7. Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?
Currently, the institute does not avail such services.
4.4. Maintenance of Campus Facilities

4.4.1. How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last Four years)?

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>Building</td>
<td>22,50,000</td>
<td>77,96,969</td>
<td>25,00,000</td>
<td>5,00,000</td>
</tr>
<tr>
<td>b.</td>
<td>Furniture</td>
<td>5,50,000</td>
<td>6,50,000</td>
<td>1,80,000</td>
<td>--</td>
</tr>
<tr>
<td>c.</td>
<td>Equipment (State Govt.)</td>
<td>9,00,000</td>
<td>4,00,000</td>
<td>2,00,000</td>
<td>2,00,000</td>
</tr>
<tr>
<td></td>
<td>Equipment (UGC)</td>
<td>10,80,000</td>
<td>2,37,500</td>
<td>1,00,000</td>
<td>1,42,500</td>
</tr>
<tr>
<td></td>
<td>Equipment (Addl Grant)</td>
<td>9,02,000</td>
<td>12,50,000</td>
<td>11,27,500</td>
<td>12,25,500</td>
</tr>
<tr>
<td>d.</td>
<td>Computers</td>
<td>Budget allocated from within the grants for equipment</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>e.</td>
<td>Vehicles</td>
<td>N.A.</td>
<td>N.A.</td>
<td>N.A</td>
<td>N.A</td>
</tr>
<tr>
<td>f.</td>
<td>Any other</td>
<td>N.A.</td>
<td>N.A.</td>
<td>N.A</td>
<td>N.A</td>
</tr>
</tbody>
</table>

4.4.2. What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

- Besides regular Pest Control, Fumigation Chamber is used for book preservation in Central Library and various departmental Libraries
- Annual Maintenance Contract (AMC) is done with respect to all computing machines, instruments and other such mechanical assets. Regular servicing of machines and calibration of sensitive equipment are done to keep them in order. Anti-virus packages are purchased on a regular basis to keep the configuration of the computing machines in optimal conditions.
- The different departments of the college take the responsibility to identify all un-useable/irreparable, rejected/discarded electrical and electronic products as e-waste products, which are kept in a separate, isolated, unexposed area, to prevent accidental breakage. In order to minimize the waste and to save resources, we always encourage recycling of all end-of-life useful products and valuable material from e-waste.
another hand, Condemnation Committee of the College looks after proper disposal mechanism for discarded items. It organizes an auction so that the waste-material may be handed over to authorized recyclers for proper disposal.

4.4.3. How and with what frequency does the institute take up calibration and other precision measures for the equipment/ instruments?

- Digital Instruments in different lab-based departments are calibrated at the onset of the Practical Session by Faculty Members themselves, after which they are calibrated on a regular basis by the students before each and every experiment.
- All instruments are also calibrated annually by technical personnel provided by the instrument manufacturers.
- All microscopes are cleaned twice a year by professional personnel at the end of monsoon and again before the University practical examinations. Throughout the year general maintenance is carried out by the students and Group D staff.

4.4.4. What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?

The College has installed in a proper platform and shade, a silent auto- start pollution free DG Set of 50kVA capacity made by Cummins, Jackson to insure the sensitive instruments against voltage fluctuations. Constant supply of water is also ensured.

Any other relevant information regarding Infrastructure and Learning Resources which the college would like to include.
CRITERION – V

STUDENT SUPPORT AND

PROGRESSION
5.1 Student Mentoring and Support

5.1.1 Does the institution publish its updated prospectus/handbook annually? If ‘yes’, what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

Yes, the Institution publishes its updated Prospectus every year for both UG and PG courses a copy of which is issued to the applicants at the time of admission. It is also made available through the college website. The prospectus provides extensive information regarding courses offered, structure of fees, faculty profile, scholarships and financial support to the economically weaker students etc. It also provides information on other facilities, rules and regulations of our College and the affiliating University. Relevant pictorial documentation of departmental and students’ activities are included in the prospectus. Likewise, the College publishes an annual Academic Calendar consisting of detailed information regarding College activities, e.g., examination schedule of the College, tentative dates of publication of College examination results, annual sports, list of holidays and dates to commemorate some special events.

The institution ensures its commitment and accountability by upholding its mission statements mentioned in the Prospectus. The annual academic calendar provides clear directives in planning and implementing certain broad objectives.

5.1.2. Specify the type, number and amount of institutional scholarships/free ships given to the students during the last four years and whether the financial aid was available and disbursed on time?

Students of the College enjoy several types of incentives and scholarships from both government and non-government sources. Following are the details of such scholarships.

- Tuition fee-waiver scheme, or free studentship is the primary form of scholarship provided at the institutional level. The Departmental teachers interact closely with their students and recommend their names for free studentship, based on their merit and financial condition. In turn the College authority forwards those proposals which are approved by the office of Directorate of Public Instruction, Govt. of West Bengal.
- Apart from this, the institution provides aid to the students from the Students’ Aid fund
or popularly known as the Poor-Fund, for various purposes such as examination fees, educational tour expenses, purchase of books etc. Principal of the College also uses his discretionary power to waive the admission fee of needy students.

**Figure 5.1: Number of Students enjoying Tuition fee Waiver Scheme**

<table>
<thead>
<tr>
<th>Academic Session</th>
<th>No. of Recipients</th>
<th>Amount (in Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-2011</td>
<td>08</td>
<td>2,515</td>
</tr>
<tr>
<td>2011-2012</td>
<td>15</td>
<td>8,240</td>
</tr>
<tr>
<td>2012-2013</td>
<td>18</td>
<td>14,090</td>
</tr>
<tr>
<td>2013-2014</td>
<td>21</td>
<td>32,528</td>
</tr>
<tr>
<td>2014-2015</td>
<td>25</td>
<td>22,505</td>
</tr>
</tbody>
</table>

5.1.3. What percentage of students receive financial assistance from state government, Central government and other national agencies?

The students receive financial assistance from various sources of State Government and Central Government. Following are the details.

- **Kanyashree (K-2):** Unmarried girl students of this College are entitled to Kanyashree
(K-2) scheme since 2013. Under this scheme, one-time financial grant (Rs. 25,000/-) is provided by the Govt. of West Bengal, so that the girl students can pursue their higher studies smoothly. The eligibility criteria to avail such scholarship are as follows.

- Family income: Less than Rs.1,20,000/- per annum.
- She must be unmarried.

**Table 5.2: Number of Girl Students enjoying Kanyakshree Scholarship**

<table>
<thead>
<tr>
<th>Academic Session</th>
<th>No. of recipients of “Kanyakshree”-K2, scholarship (sponsored by Govt. of West Bengal)</th>
<th>Amount (in Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013-2014</td>
<td>80</td>
<td>20,00,000</td>
</tr>
<tr>
<td>2014-2015</td>
<td>126*</td>
<td>31,50,000</td>
</tr>
</tbody>
</table>

*Data as on 09/07/2015. The enrollment is still in progress.

❖ **Merit-cum-means:** Apart from this, students also receive financial assistance from various State Government agencies under merit-cum-means scholarship. The details are as follows.

**Table 5.3: Number of Students enjoying Merit-cum-Means Scholarship**

<table>
<thead>
<tr>
<th>Academic Session</th>
<th>No. of recipients of Merit-cum-means scholarship (sponsored by State Govt.)</th>
<th>Amount (in Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-2011</td>
<td>139</td>
<td>11,74,625</td>
</tr>
<tr>
<td>2011-2012</td>
<td>91</td>
<td>5,45,015</td>
</tr>
<tr>
<td>2012-2013</td>
<td>156</td>
<td>15,85,800</td>
</tr>
<tr>
<td>2013-2014</td>
<td>21</td>
<td>2,85,000</td>
</tr>
<tr>
<td>2014-2015</td>
<td>153</td>
<td>15,19,400</td>
</tr>
</tbody>
</table>

❖ **DST Inspire:** Meritorious students from the science departments often receive the coveted Inspire scholarship provided by the Department of Science and Technology. While the following table shows few such recipients, the actual figure could be higher. Each of these students receive Rs.80,000/- per annum.

**Table 5.4: Number of recipients of DST Inspire Scholarship**

<table>
<thead>
<tr>
<th>Subject</th>
<th>2010-11</th>
<th>2011-12</th>
<th>2012-13</th>
<th>2013-14</th>
<th>2014-15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>03</td>
<td>06</td>
<td>01</td>
<td>06 (applied)</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td>04</td>
<td>08</td>
<td>09</td>
<td>00</td>
<td>02</td>
</tr>
<tr>
<td>Physics</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>02</td>
</tr>
</tbody>
</table>
Minority Scholarship: West Bengal Minority Development Finance Corporation (WBMDFC) provides scholarships to students from the Minority community. Many students of this College are recipients of this scholarship.

Table 5.5: Number of students enjoying Minority Scholarship

<table>
<thead>
<tr>
<th>Academic Session</th>
<th>No. of recipients of Minority scholarship (sponsored by West Bengal Minority Development Finance Corporation)</th>
<th>Amount (in Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-2012</td>
<td>322--------------------------------------------------------------------------------------------------------</td>
<td>20,58,350</td>
</tr>
<tr>
<td>2012-2013</td>
<td>292--------------------------------------------------------------------------------------------------------</td>
<td>3,93,900</td>
</tr>
<tr>
<td>2013-2014</td>
<td>139--------------------------------------------------------------------------------------------------------</td>
<td>2,93,300</td>
</tr>
<tr>
<td>2014-2015</td>
<td>150--------------------------------------------------------------------------------------------------------</td>
<td>7,17,750</td>
</tr>
</tbody>
</table>

Figure 5.2: Recipients of Minority Scholarship (sponsored by WBMDFC)
Figure 5.3: Number of Beneficiaries under different Scholarship Schemes

<table>
<thead>
<tr>
<th>Year</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-11</td>
<td>139</td>
<td>8</td>
<td>7</td>
<td>15</td>
<td>17</td>
</tr>
<tr>
<td>2011-12</td>
<td>318</td>
<td>15</td>
<td>18</td>
<td>4</td>
<td>21</td>
</tr>
<tr>
<td>2012-13</td>
<td>292</td>
<td>18</td>
<td>4</td>
<td>21</td>
<td>11</td>
</tr>
<tr>
<td>2013-14</td>
<td>139</td>
<td>80</td>
<td>21</td>
<td>11</td>
<td>25</td>
</tr>
<tr>
<td>2014-15</td>
<td>153</td>
<td>149</td>
<td>126</td>
<td>25</td>
<td>3</td>
</tr>
</tbody>
</table>


Figure 5.4: Amount disbursed through different Scholarship Schemes

<table>
<thead>
<tr>
<th>Year</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-11</td>
<td>2.515</td>
<td>20.58350</td>
<td>15.85800</td>
<td>2.85000</td>
<td>20.00000</td>
</tr>
<tr>
<td>2011-12</td>
<td>11.74625</td>
<td>5.45015</td>
<td>49.921</td>
<td>3.93900</td>
<td>14.090</td>
</tr>
<tr>
<td>2012-13</td>
<td>15.85800</td>
<td>8.240</td>
<td>14.090</td>
<td>7.700</td>
<td>2.85000</td>
</tr>
<tr>
<td>2013-14</td>
<td>20.00000</td>
<td>14.921</td>
<td>4.090</td>
<td>2.85000</td>
<td>37.200</td>
</tr>
<tr>
<td>2014-15</td>
<td>31.50000</td>
<td>2.85000</td>
<td>14.090</td>
<td>2.85000</td>
<td>15.19400</td>
</tr>
</tbody>
</table>

5.1.4 What are the specific support services/facilities available for

✓ **Students from SC/ST, OBC and economically weaker sections**
  - The College follows the extant reservation policies of the Government to earmark seats for SC, ST and OBC students. It also has a SC/ST Cell. The College timely informs the SC/ST students about various facilities provided to them by the Government and other educational institutions thereby motivating them to avail those facilities. The Institution effectively handles the whole process of collection and allocation of fund regarding grants, scholarships, free studentships etc. The Students’ Aid Fund is used to extend financial assistance in the form of book grants, examination fees, tuition fees and excursion grants to the economically weaker students.

✓ **Students with physical disabilities**
  - As per Govt. norms, 3% seats in each discipline are reserved across different categories for the physically disabled students during admission.
  - The college has constructed one ramp each in the Main Building as well as in the Science Building for the differently-abled students, by utilizing funds received from ‘UGC Grant under HEPSN Component-2 for Construction of ramp and railing’. Utilization Certificate for the same was submitted on 11.09.2013.
  - Classes for them are held on the ground floor of college buildings as far as practicable. They have peers to take care of them, escort them to classes and help them in studies.
  - Visually challenged students have a provision for availing the assistance of scribes during tests and university examinations.
  - Braille books are available in the library for visually challenged students.
  - Higher Education for Persons with Special Needs (HEPSN) committee has been formed which caters to the specific needs of these students.
  - The achievements of Sahida Khatun, a physically disabled student of the College, should be mentioned here. She has participated in Paralympics and has received State Award from the Department of Women Development and Social Welfare as ‘Role Model’ for her outstanding performance in sports.
✓ **Overseas students**

- As no overseas student has been admitted to this college in the recent past, a specialized support system meant for them has not been contemplated. However, they are entitled to avail all the facilities enjoyed by other students.

✓ **Students to participate in various competitions/National and International:**

- The College provides necessary financial and logistical support for students participating in district/state/national/international level competitions.

- The College informs, motivates and guides students to participate in co-curricular events like dance, drama, debating along with different academic events including paper/poster presentations at workshops/seminars organized by various institutions. The Cultural Committee of the Teachers’ Council and the Students’ Union ensure student participation in cultural programmes throughout the year.

- Students of the College have been successful in various sports events and cultural competitions at the district/state level. Details of select participants are mentioned below.

    - **Subir Biswas** of department of Botany, was awarded Bronze medal in the Black Open Kumite 18th Event of 15th KBI National Karate Championship held in December 2014 at Coimbatore, Tamil Nadu. He also achieved 3rd position in Kumite event in the International Karate Championship held at Meydan Theatre, Dubai on 25th April 2014.

    - **Pampa Roy** of department of Philosophy, became winner in Badminton Tournament in the West Bengal Inter College District Sports Championship in January 2015.

    - **Soumita Chakraborty** of Dept. of Physics, became winner in Badminton Tournament in the West Bengal Inter College District Sports Championship held in January 2015.

    - **Runu Biswas** of department of History, became the winner in Badminton Tournament in the West Bengal Inter College District Sports Championship held in January 2015.

    - The college students organized as well as took active participation in the All Bengal quiz contest MINDQUEST, 2014.
Photograph 5.1: College Badminton Team having won the Inter-College District Championship

Photograph 5.2: Subir Biswas, a recipient of various laurels in Karate Championships
✓ **Medical assistance to students: health centre, health insurance, etc.**
  
  - Since the college is located at the heart of the city, Govt. Hospital as well as a number of private hospitals are in the close vicinity. The students are entitled for treatment through Students’ Health Home and accordingly each student is charged a nominal fee at the time of admission. The College has also arranged for a Medical Unit offering First Aid facility. In case of emergency the facilities available at the nearby hospitals are utilized.
  
  - There are regular programmes organized to generate awareness among the students and teachers about fatal diseases like AIDS, Thalassemia etc. Thalassemia carrier detection for all students has begun in the on-going academic session. Five students and two teachers have been identified as carriers and reports have been sent to the Department of Health and Family Welfare, Government of West Bengal for necessary follow up.

✓ **Organizing coaching classes for competitive exams**
  
  - ‘Entry-in-Services programme’, under UGC XIIth Plan for SC/ST/OBC (Non-Creamy Layer) and Minority candidates who have completed Bachelor’s Degree/H.S or Madhyamik, is one endeavor which has run successfully in this College. Teachers have imparted professional and life-skills to many aspirants from weaker sections of the society. Till date, nearly 330 career aspirants have enrolled in this programme meant to impart job-oriented coaching and preparation for competitive examinations like School Service Commission, Bank, rail, Public Service Commission, Staff Selection Commission etc. Details of this is mentioned in Table No. 1.3 under Criterion-I.
  
  - The Institution provides updated information about various job opportunities through its Career Counselling Cell. A considerable number of career oriented magazines and periodicals are kept at the Central Library for the benefit of the students.
  
  - Departmental teachers of Science disciplines also groom their students regarding competitive examinations like JAM/GATE etc. Success rate of the students in these examinations speaks volumes about the efforts of the teachers.

✓ **Skill development (spoken English, computer literacy, etc.,)**
  
  - UG first year students of this College undertake a compulsory computer course, where the College has partnered with the local Centre of National Institute of Electronics &
Information Technology (NIELIT), an autonomous body under the Department of Information Technology, Govt. of India. Provision for such classes were incorporated within the class-routine of the under-graduate first year students, thus ensuring digital empowerment.

- However, a majority of the college students at their entry level are already proficient in basic computer skills, due to incorporation of computer literacy into the school level curriculum. The implementation of curriculum of different science subjects like Physics, Chemistry, Mathematics, Geography, Botany, and Zoology warrant computer programming, use of various software packages, data analysis etc. Software such as QGIS, 21st Century, SPSS, Excel Stat Pro, Geomatica, Bhuban, Google Earth Pro, and Corel Draw are used by Dept. of Geography. Department of Physics uses software such as MATLAB, OCTAVE, LATEX, SIGMA PLOT, ORIGIN, GEANT 4.0, Cascade, MAUD etc. Mathematica, MATLAB software are used by Department of Mathematics.

- As a corollary of the above, provision for high speed broadband internet through both wireless and wired medium has been created in all the Departments, Teachers’ Room, Library and College Office under the National Mission on Education through ICT (NMEICT), funded by the Ministry of Human Resource Development, Government of India. The College authority believes that this will popularize the culture of computing.

- The institute plans to start classes of Communicative Spoken English as add on course.

- **Support for “slow learners”**.
  - Remedial classes and tutorials are organized for such slow learners.
  - Simplified versions of books are recommended to them.
  - Bilingual explanation and discussions are undertaken by teachers inside the classroom.
  - Revision of topics and practical sessions are practiced.

- **Exposures of students to their institution of higher learning/corporate/business house, etc.**
  - Trips to research laboratories and academic institutions of repute enable the students to make informed choices regarding their career and higher studies. The PG Departments
recommend their M.Sc. Students for project work at various research Institutes for exposure of the students towards research.

✓ **Publication of student magazines**

- Students of various Departments publish Wall magazine periodically. For example, the Chemistry department had started publishing wall magazine “Anwesha” since 2009, where various scientific information and thoughts of students are shared. 'Itihasjaan' by Department of History, 'Open window' by Department of English, 'Ayudh' by Department of Bengali and 'Life-o-Live' by Department of Botany also offer platforms to showcase the talents of students.

![Wall Magazine](image-url)

**Photograph 5.3:** Wall Magazine published by the students of Dept. of Chemistry
5.1.5. Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

The Career Counselling Cell provides necessary information and prospects of entrepreneurship in various fields to the students. In the Career Fair organized in 2011, network centres were set up in the College by several agencies such as Annex College of Management Studies, MAAC, Maple Educational Services, WEBEL-HCL, Pailan Film and Television Institute, Kingston Educational Institute, Institute of Hardware Technology, IIAS School of Management, EILM etc. Apart from this, various sessions were organized during last three years to provide the students a scope for industry interactions. The following table reflects such efforts.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Institute/Organization/Expert</th>
<th>Topic/Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>11.03.13</td>
<td>IFB Agro Industries Ltd.</td>
<td>Career in Fisheries (for students of Zoology)</td>
</tr>
<tr>
<td></td>
<td>11.03.13</td>
<td>EPITOME</td>
<td>Career Orientation</td>
</tr>
<tr>
<td></td>
<td>11.03.13</td>
<td>IIJT</td>
<td>Career Orientation</td>
</tr>
<tr>
<td></td>
<td>11.12.13</td>
<td>NIC Institute of Technology “STAR PROJECT PROGRAMME” Launched by Ministry of Finance, Govt. of India</td>
<td>Skill Development of the Unemployed Youth</td>
</tr>
<tr>
<td></td>
<td>22.07.13</td>
<td>Digital Network Appliances</td>
<td>Network</td>
</tr>
<tr>
<td></td>
<td>22.07.13</td>
<td>5 Teachers Group</td>
<td>WBCS Examination</td>
</tr>
<tr>
<td>2014</td>
<td>26.08.14</td>
<td>Consulting Management Incorporate Pvt. Ltd.</td>
<td>Personality Development</td>
</tr>
<tr>
<td></td>
<td>26.08.14</td>
<td>Pidilite</td>
<td>Profession in fabric related work</td>
</tr>
<tr>
<td></td>
<td>26.08.14</td>
<td>ITM-Group of Institution</td>
<td>Career building</td>
</tr>
<tr>
<td></td>
<td>09.09.14</td>
<td>ICFAI Group</td>
<td>Soft Skill Development and Group Discussion</td>
</tr>
<tr>
<td></td>
<td>09.09.14</td>
<td>The George Telegraph Training Institute. “Barasat Group”</td>
<td>Professional Courses &amp; their Prospects</td>
</tr>
<tr>
<td></td>
<td>19.11.14</td>
<td>Eastern Institute for Integrated Learning in Management (EIILM)</td>
<td>Workshop on CV Writing, GD skills, Interview skills, and Career Counselling</td>
</tr>
<tr>
<td></td>
<td>03.12.14</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>10.12.14</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>18.12.14</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2015</td>
<td>16.03.15</td>
<td>BRAINWARE</td>
<td>Engineering &amp; Technological Courses &amp; Vocational Courses</td>
</tr>
<tr>
<td></td>
<td>16.03.15</td>
<td>RTG Animate – Animation Academy</td>
<td>Animation Courses &amp; Prospects</td>
</tr>
</tbody>
</table>

*Table 5.6: Industry Interaction initiatives undertaken by the Institution*
Photograph 5.4: Inauguration of Career Fair by the then District Magistrate. Erstwhile Vice-Chancellor of WBSU and Ex-Principal of the College are also present.

Photograph 5.5: Participants in the Career Fair
5.1.6. Enumerate the policies and strategies of the institution which promote participation of students in extra-curricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities, etc.

- Additional academic support, flexibility in examinations
- Special dietary requirements, sports uniform and materials
- Any other

To promote participation of students in extra-curricular and co-curricular activities, the Cultural Committee, Games and Sports Committee, NSS Unit and Students’ Union of the College chalk out the policies and strategies.

Relaxation in class attendance for those students who participate in such competitions are permitted by the College authority, so that they can perform in a free mind. Tracksuits, sports uniforms and other sporting gears and equipment are provided to those students who represent the College in various competitions. Students who represent the College in sports and athletic meets are provided balanced diet and the College authority allocates funds for such purpose.

Debates and quiz programmes are organized in the College to encourage the participation by students in co-curricular activities.

5.1.7. Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR-NET, UGC-NET, SLET, GATE/CAT/GRE/TOFEL/GMAT/Central/State services, Defense, Civil Services, etc.

The details of the successful candidates enrolled under the UGC ‘Entry-in-Service’ programme has been mentioned in Table no. 1.5 under Criterion-I.

Each year a considerable number of students appear for all-India entrance examinations like JAM/GATE etc. Records of select such candidates are being indicated in the Table No. 5.7. The data is compiled as per verbal and informal feedback received from students and their peers. The actual figures may be higher.
Table 5.7: Record of Students succeeding in various Entrance Examinations

<table>
<thead>
<tr>
<th>Year of pass out</th>
<th>IITs</th>
<th>IISC</th>
<th>ISM</th>
<th>IISER</th>
<th>IACS</th>
<th>HU</th>
<th>BHU</th>
<th>NT</th>
<th>PU</th>
<th>Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>2010</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2011</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>2012</td>
<td>5</td>
<td>3</td>
<td>0</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td>2013</td>
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<tr>
<td>2014</td>
<td>3</td>
<td>3</td>
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<td>0</td>
<td>2</td>
<td>1</td>
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</tbody>
</table>

5.1.8. What type of counseling services are made available to the students (academic, personal, career, psycho-social, etc.)

- Academic and personal counselling of the students are undertaken by the Departmental teachers themselves. Remedial and tutorial classes are taken to support the slow learners, while the advanced learners are groomed for their career progression.

- Career Counseling Cell of the College undertakes counselling services to enable the students imbibe soft skills. Gender Cell maintains a proactive environment for gender sensitization among all the stakeholders.

- Plans for setting up a psychological counselling cell are being actively considered. Few eminent counsellors have been approached for the purpose.

5.1.9. Does the institution have a structured mechanism for career guidance and placement of its students? If ‘yes’, detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).
Yes, the College has a structured mechanism for career guidance and placement assistance for its students. The Career Counselling Cell of the College organizes industry interactions involving various reputed agencies whereby the students can identify the knowledge gap and the means to bridge the same. Job opportunities are also discussed in such sessions. The details are mentioned in Table No. 5.6 above.

Through the months of November and December, 2014, counselling sessions were organized for outgoing undergraduate third year students of this College and they were imparted specific technical inputs on CV writing, GD skills, Interview skills etc. by technical persons from EIILM. Around 300 students of this College had been counselled through such sessions.

UGC Entry-in-services programme is running successfully in this College. Teachers have been imparting professional and life-skills to many aspirants from disadvantaged sections of the society. Till date, nearly 350 career aspirants have enrolled in this programme meant for job-oriented coaching. Many of them have been successful in securing jobs in both Government and private sector. The details of the successful candidates under the UGC ‘Entry-in-Service’ has been mentioned in Table no. 1.5 under Criterion-I.

About direct placement of students through campus interview, it is indeed uncommon to see instances where companies have recruited fresh graduates-to-be from general degree colleges on the basis of their qualification only. As the market determined model of economy reserves mainly the non-technical jobs and back-office jobs for students from non-science disciplines of general degree colleges, the placement related functions are getting more and more specialized in nature.

People deeply associated with the contours of the industry will perhaps be able to reflect more light on the nuances and inner dynamics of placement. So the Career and Counselling Cell of the College proposes to partner with the HR wings of major industry heavyweights and rope in their expertise to increase the employability of our students.

5.1.10. Does the institution have a Students’ Grievance Redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.

The College has an Internal Complaints Committee (ICC), formed as per the Vishakha guidelines. It also has a Grievance Redressal Cell where students can record their grievances.
They can also provide their feedback about the College in the evaluation forms given to them by the IQAC. Names of incumbents in Anti-ragging squad are displayed properly. Complaint boxes have been placed in multiple strategic locations of the College. There is a Gender-Box also to keep intact the anonymity of complainants of harassments.

Students are always encouraged to express their complaints and requirements freely. But no formal grievance/complaint has been reported in the recent past. The reason may be that the students have free access to the Principal and Departmental Heads and are more comfortable to talk with the concerned administrative Heads. Principal always extend patient hearing towards students’ complaints and immediately tries to resolve their problems. Departmental Heads also try their best to sort out the problems with the help of the available infrastructure. For instance, students of few Departments expressed their displeasure about the non-availability of their preferred books. The issue has been handled effectively while giving priority to their demand.

5.1.11. What are the institutional provisions for resolving issues pertaining to sexual harassment?

An Internal Complaints Committee (ICC), formed as per the Vishakha guidelines, looks after the issues related to sexual harassment. Complaint boxes have been placed in multiple strategic locations of the College, while focussing on keeping the anonymity of complainants of sexual harassments intact. The ICC often takes drives for gender sensitization among all the stakeholders of the institution. The institution feels a legitimate pride to proclaim that, not a single case had been reported to the committee in the last five years due to strict vigilance exercised by the authority on the college campus.

5.1.12. Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

Yes, there is an Anti-Ragging Committee in the College, comprising of senior teachers. “UGC Regulations on Curbing the Menace of Ragging in Higher Educational Institutions, 2009” is prominently displayed in the College website. Students are also made aware of the National Anti-Ragging Help Line (UGC Crisis Hotline) having the 24x7 Toll Free Number 1800-180-5522 and the email helpline@antiragging.in. The information packs from the anti-ragging portals are displayed in the College website in both English and vernacular language.
Earlier the anti-ragging affidavit was signed by the students in the specific manual format. Recent changes in the affidavit, whereby it is to be filled up Online through the portal https://antiragging.in/Site/Affidavits_Registration.aspx, warrants a change in modus operandi. The College has plans to link the registration process for this online anti-ragging affidavit portal along with Online Admission portal of the College, thus ensuring concurrence.

It should be mentioned here that no formal complaints related to ragging within the campus has been reported to the College Authority during the last four years or the recent past before. However, the College authority is not complacent on this front. Strict vigil is maintained to prevent and/or punish any untoward incidents.

5.1.13 Enumerate the welfare schemes made available to students by the institution.

By various students welfare schemes, the college tries to provide a healthy environment for students. The schemes are:

- Scholarship, Stipends and Tuition Fee Waiver Schemes as enumerated with details is given earlier (under section number 5.1.2 and 5.1.3).
- All the students of our college are member of ‘Students’ Health Home’. They are entitled to get free medical checkups, treatment and hospitalization (if necessary). The College also has made provision for First Aid facility within the campus, to take care of minor healthcare issues on the campus.
- The physically challenged students are provided with necessary support mechanism as per their requirements, such as wheel chair, braille books in library etc.
- Book bank has been constituted to cater to the needs of the poor but meritorious students.
- Students’ aid fund or the Poor-Fund, is utilized for various requirements of individual students such as examination fees, educational tour expenses etc. The Principal of the College also uses his discretionary power to waive the admission fee of needy students.
- Provision for a cheap-store has been made within the College campus, from where the students can buy stationery items and avail the reprography, printing and internet browsing services at a subsidized rate.
5.1.14. Does the institution have a registered Alumni Association? If ‘yes’, what are its activities and major contributions for institutional, academic and infrastructure development?

Yes, the institution has an Alumni association. The IQAC has one member from among the Alumni of the College and thereby they contribute to the academic and infrastructural development of the College. They provide regular suggestions on community outreach programmes, sustenance of quality policy and maintaining the legacy of the institution.
5.2. Student Progression

5.2.1. Provide the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

<table>
<thead>
<tr>
<th>Student progression (in %)</th>
<th>Arts</th>
<th>Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td>50-60%</td>
<td>&gt; 80%</td>
</tr>
<tr>
<td>PG to M. Phil.</td>
<td>20%</td>
<td>5%</td>
</tr>
<tr>
<td>PG to Ph.D.</td>
<td>8-10%</td>
<td>30%</td>
</tr>
<tr>
<td>Employed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Campus selection</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Other than campus recruitment</td>
<td>8-10%</td>
<td>20-25%</td>
</tr>
</tbody>
</table>

The above data has been compiled as per verbal feedback and informal information obtained from the students and represents approximate figures. It has been observed that a lot of students opt for PG courses in their pursuance of higher studies. However, not all of them are able to find suitable placements in time. The institution sees this as a challenge.

5.2.2. Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.

Batch wise programme completion rate for different UG subjects are being indicated in Table No. 5.8. The performance of the students in Part-III examination of WBSU for the last four years are being mentioned subsequently in Table No. 5.9.

A glance at table No. 5.8 will reveal that number of students appearing in Part-I examinations are actually higher than the number of newly registered students for the corresponding year. This phenomenon is explained by the fact that some students take readmission in first year, thereby pushing up the number of applicants for Part-I examination. It should be noted further that the University rules allow a student to retain his/her UG registration for several years. As a result, a section of students complete the 3-year UG programme in four or more years.
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<td>28</td>
<td>63</td>
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<td>46</td>
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<td>47</td>
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<td>790</td>
<td>671</td>
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<td>818</td>
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<td>970</td>
<td>1049</td>
<td>916</td>
<td>835</td>
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### Table 5.9: Year-wise record of Part-III examination results for different subjects

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<th>2012</th>
<th>2013</th>
<th>2014</th>
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<td>Candidates:48</td>
<td>Candidates:50</td>
<td>Candidates:52</td>
<td>Candidates:60</td>
</tr>
<tr>
<td>M-2,F-0</td>
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<td>1st Class</td>
<td>1st Class</td>
<td>1st Class</td>
</tr>
<tr>
<td>2nd Class-42</td>
<td>2nd Class-47</td>
<td>2nd Class-46</td>
<td>2nd Class-49</td>
<td></td>
</tr>
<tr>
<td>General/PNC-04</td>
<td>General/PNC-02</td>
<td>General/PNC-01</td>
<td>General/PNC-06</td>
<td></td>
</tr>
</tbody>
</table>

| English      |      |      |      |      |
| 1st Class    | Candidates:40 | Candidates:47 | Candidates:46 | Candidates:54 |
| M-2,F-1      | 1st Class       | 1st Class       | 1st Class       | 1st Class       |
| 2nd Class-35 | 2nd Class-42   | 2nd Class-36    | 2nd Class-48    |                  |
| General/PNC-02 | General/PNC-04 | General/PNC-01 | General/PNC-06 |

| History      |      |      |      |      |
| 1st Class    | Candidates:47 | Candidates:41 | Candidates:43 | Candidates:49 |
| M-1,F-0      | 1st Class       | 1st Class       | 1st Class       | 1st Class       |
| 2nd Class-45 | 2nd Class-38   | 2nd Class-36    | 2nd Class-43    |                  |
| General/PNC-01 | General/PNC-03 | General/PNC-02 | General/PNC-06 |

| Philosophy   |      |      |      |      |
| 1st Class    | Candidates:35 | Candidates:40 | Candidates:42 | Candidates:33 |
| M-0,F-12     | 1st Class       | 1st Class       | 1st Class       | 1st Class       |
| 2nd Class-22 | 2nd Class-30   | 2nd Class-36    | 2nd Class-29    |                  |
| General/PNC-01 | General/PNC-02 | General/PNC-01 | General/PNC-02 |

| Political Science |      |      |      |      |
| 1st Class        | Candidates:38 | Candidates:39 | Candidates:32 | Candidates:41 |
| M-0,F-1          | 1st Class       | 1st Class       | 1st Class       | 1st Class       |
| 2nd Class-32     | 2nd Class-35   | 2nd Class-26    | 2nd Class-35    |                  |
| General/PNC-05   | General/PNC-04 | General/PNC-05 | General/PNC-03 |

| Sanskrit        |      |      |      |      |
| 1st Class       | Candidates:22 | Candidates:31 | Candidates:28 | Candidates:35 |
| M-1,F-3         | 1st Class       | 1st Class       | 1st Class       | 1st Class       |
| 2nd Class-17    | 2nd Class-24   | 2nd Class-21    | 2nd Class-29    |                  |
| General/PNC-01  | General/PNC-02 | General/PNC-01 | General/PNC-02 |

| Botany         |      |      |      |      |
| 1st Class       | Candidates:16 | Candidates:19 | Candidates:10 | Candidates:21 |
| M-1,F-3         | 1st Class       | 1st Class       | 1st Class       | 1st Class       |
| 2nd Class-12    | 2nd Class-14   | 2nd Class-9     | 2nd Class-10    |                  |
| General/PNC-0    | General/PNC-02 | General/PNC-01 | General/PNC-01 |

| Chemistry       |      |      |      |      |
| 1st Class       | Candidates:16 | Candidates:15 | Candidates:24 | Candidates:13 |
| M-1,F-3         | 1st Class       | 1st Class       | 1st Class       | 1st Class       |
| 2nd Class-12    | 2nd Class-5     | 2nd Class-9     | 2nd Class-1     |                  |
| General/PNC-0   | General/PNC-01 | General/PNC-03 | General/PNC-01 |
### Geography

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### Mathematics

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### Physics

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<table>
<thead>
<tr>
<th>Class</th>
<th>Candidates</th>
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<tbody>
<tr>
<td>1&lt;sup&gt;st&lt;/sup&gt;</td>
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</tr>
<tr>
<td>2&lt;sup&gt;nd&lt;/sup&gt;</td>
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### Zoology

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<th>Candidates</th>
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<tr>
<td>2&lt;sup&gt;nd&lt;/sup&gt;</td>
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<table>
<thead>
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<th>Class</th>
<th>Candidates</th>
</tr>
</thead>
<tbody>
<tr>
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<tr>
<td>2&lt;sup&gt;nd&lt;/sup&gt;</td>
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### B.A General

<table>
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<table>
<thead>
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### B.Sc. General

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<tr>
<td>2&lt;sup&gt;nd&lt;/sup&gt;</td>
<td>42</td>
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</tbody>
</table>

#### 5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

The institution facilitates student progression to higher studies and/or employment by imparting various professional and soft skills to them, providing proper exposure on career opportunities,
grooming and motivating the students for responsible positions etc. In order to improve their academic and professional efficiency the following measures are given priority:

- Regular class tests.
- Continuous evaluation of the performance of the students through student seminars, group discussions, surprise tests etc.
- Hands on experience with computers and equipment.
- Experience with field studies, educational tours etc.
- Continuous evaluation of practical exercises in laboratory based subjects.
- Remedial classes and peer learning to help the slow learners cope with their studies.

5.2.4. Enumerate the special support provided to students who are at risk of failure and drop out?

It has been observed that certain major factors compel the students to drop or discontinue studies.

i. Financial strain, whereby students are unable to meet the expenses for higher education.

ii. Playing the role of a bread-earner, where students work to support their family.

iii. On few occasions, marriage and certain typical socio-economic phenomenon prevent some girl students from continuing their studies.

iv. Occasionally, failure in university examinations prompts some less privileged students to discontinue studies.

The institution tries to address all of these factors in a proactive manner.

- Financial support and incentives are provided to all those who are financially weak in several ways. The detailed list of all available scholarships and incentives is already provided in 5.1.2 and 5.1.3 of this Criterion.
- The Institution also provides valuable support to those who are unable to cope with the pressure of the curriculum by arrangement of remedial and tutorial classes, counseling, provision of study materials and books through book-bank etc.
- The College authority undertakes a humane approach in dealing with those students who are forced to work on part-time basis. Teachers identify such students and interact with them continuously to address their academic needs.
On certain occasions, teachers visit the homes of students to motivate them and their family members for continuation of studies. Such issues are raised in the Parent-Teacher meeting as well.

However, despite all such efforts, a few students do discontinue their studies due to various reasons. The institution tries to bring them under the distant learning mode of education through the NSOU Study Center of this college.

It may be mentioned here that the true dropout rate cannot be estimated easily. The growing tendency of attrition among students of science streams towards professional courses has taken its toll on general degree course education.

### 5.3. Student Participation and Activities

**5.3.1. List the range of sports, games, cultural and other extra-curricular activities available to students. Provide details of participation and program calendar.**

There is ample opportunity for the students to participate in various extra-curricular activities and various indoor and outdoor games. Drama, music, recitation, elocution, quiz competition etc. are organized every year. Competitions in different games and sports events like Annual Sports and Athletic Meet, volleyball, carom, table tennis, badminton etc. are organized every year. Students of our college regularly participate in district level Inter-College Sports meet, international Karate Championship, KBI National Karate Championships and various other competitions. Multi-gym with well-equipped facility is available for the students in the college. Beside this, the college jointly shares and manages a playground with the adjacent Govt. School. Also by virtue of being a Govt. Institution the College can avail the special sports infrastructure facilities of Vidyasagar Krirangan (Barasat Stadium) for carrying out various sports activities.

**5.3.2. Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University/State/Zonal/ National/ International, etc. for the previous four years.**

Details of such achievements are being mentioned in the following table.
Table 5.10: Achievements of Students in various competitions

<table>
<thead>
<tr>
<th>Year</th>
<th>Team/ Individual (Men/Women)</th>
<th>Events</th>
<th>Name of the competition</th>
<th>Name of the sports person</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>Men</td>
<td>Badminton</td>
<td>Inter Govt. College Sports Competitions</td>
<td>Barasat Govt. College Team</td>
<td>Runner Up</td>
</tr>
<tr>
<td>2010</td>
<td>Men</td>
<td>Badminton</td>
<td>Inter Govt. College Sports Competitions</td>
<td>Barasat Govt. College Team</td>
<td>Winner</td>
</tr>
<tr>
<td>2014</td>
<td>Individual (Men)</td>
<td>International Karate Championship (Kumite)</td>
<td>Budokan Cup-2014</td>
<td>Subir Biswas</td>
<td>3rd Place</td>
</tr>
<tr>
<td>2013-14</td>
<td>Individual (Men)</td>
<td>13th KBI National Karate Championship</td>
<td>Karate Budokan Federation of India</td>
<td>Subir Biswas</td>
<td>Bronze medalist</td>
</tr>
<tr>
<td>2013</td>
<td>Individual (Men)</td>
<td>15th All Bengal Open Karate Championship</td>
<td>Karate (Kata Championship)</td>
<td>Subir Biswas</td>
<td>Bronze medalist</td>
</tr>
<tr>
<td>2012-13</td>
<td>Team(Men)</td>
<td>14th KBI National Karate Championship (Kumite)</td>
<td>Karate Budokan Federation of India</td>
<td>Subir Biswas</td>
<td>Bronze medalist</td>
</tr>
<tr>
<td>2011</td>
<td>Individual (Men)</td>
<td>All West Bengal Invitation Karate Championship (Kumite)</td>
<td>Karate</td>
<td>Subir Biswas</td>
<td>First prize</td>
</tr>
</tbody>
</table>

- **Pampa Roy**, 3rd year student department of Philosophy, became winner of Badminton tournament in the West Bengal Inter College District Sports Championship in January 2015.
- **Soumita Chakraborty**, 3rd year student of department of Physics, became winner of Badminton tournament in the West Bengal Inter College District Sports Championship held in January 2015.
- **Runu Biswas**, 1st year student of department of History, became the winner of Badminton tournament in the West Bengal Inter College District Sports Championship held in January, 2015.
- The college students organized as well as took active participation in the All Bengal quiz contest MINDQUEST, 2014.
5.3.3. How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

Formal and informal feedback from various stakeholders such as the students, teachers, parents and other peers are sought to improve the performance of the institution on academic and extra-curricular aspects. Feedback on implementation of course curriculum, examination pattern, infrastructural facilities available at the College, class performance of teachers etc. are analyzed by the IQAC and useful suggestions are assimilated and are put forward to the management for appropriation of the same.

Soon the College will introduce options for collecting feedbacks through the College website.

5.3.4. How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/materials brought out by the students during the previous four academic sessions.

Students of various Departments of the College publish their Wall Magazines periodically. These are displayed properly for nurturing the culture of extra-curricular activities.

Examples of regular wall magazines published by several Departments are as follows:

- 'Ithasjaan' by Department of History,
- 'Open window' by Department of English,
- 'Ayudh' by Department of Bengali
- 'Life-o-Live' by Department of Botany.
- “Anwesha” by Department of Chemistry.

5.3.5. Does the college has a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

Yes, the college has a democratically elected Student Council named as “Barasat Government College Students’ Union”. All regular and bona-fide students who pay tuition fees and Students’ Union fees are members of this Students’ Union by default. The Union Council is a body of class representatives, with the ratio of representation being 1:20 students. They are elected by the students of the college every year. The Union Council members in turn elect the office bearers of
the Cabinet among themselves. The tenure of the elected body is one year. The present composition of the Students’ Union Cabinet of the college is given below:

Table 5.11: Composition of the Students’ Union Cabinet for 2014-14 session

<table>
<thead>
<tr>
<th>Position</th>
<th>President</th>
<th>Vice-President</th>
</tr>
</thead>
<tbody>
<tr>
<td>President (Ex-officio)</td>
<td>Dr. Subhasis Dutta</td>
<td>Prof. Md. Abdur Rafik Sardar</td>
</tr>
<tr>
<td>Pro-Vice-President</td>
<td>Sri Santu Sardar</td>
<td></td>
</tr>
<tr>
<td>General Secretary</td>
<td>Sri Debashis Das</td>
<td>Assistant General Secretary</td>
</tr>
<tr>
<td>Cultural Secretary</td>
<td>Sri Prodyut Roy</td>
<td>Assistant Secretaries</td>
</tr>
<tr>
<td>Athletic Secretary</td>
<td>Sri Somnath Chowdhury</td>
<td>Assistant Secretaries</td>
</tr>
<tr>
<td>Magazine Secretary</td>
<td>Sri Sayed Moazeem Hossain</td>
<td>Assistant Secretaries</td>
</tr>
<tr>
<td>Social Service Secretary</td>
<td>Sri Bivash Mondal</td>
<td>Assistant Secretaries</td>
</tr>
<tr>
<td>Medical Secretary</td>
<td>Sri Sayan Tanti</td>
<td>Assistant Secretaries</td>
</tr>
<tr>
<td>Boys’ Common Room Secretary</td>
<td>Sri Kaushik Saha</td>
<td>Assistant Secretaries</td>
</tr>
<tr>
<td>Girls’ Common Room Secretary</td>
<td>Smt. Dona Saha</td>
<td>Assistant Secretaries</td>
</tr>
<tr>
<td>Entertainment Secretary</td>
<td>Smt. Amrita Biswas</td>
<td>Assistant Secretaries</td>
</tr>
<tr>
<td>Library Secretary</td>
<td>Sk. Ashadul Rahaman</td>
<td>Assistant Secretaries</td>
</tr>
<tr>
<td>Canteen Secretary</td>
<td>Sri Ankit Mukherjee</td>
<td>Assistant Secretaries</td>
</tr>
</tbody>
</table>

Election process is generally conducted through the months of January and February of each year. The election schedule is prepared in consultation with the district administration. An Election Committee comprising the faculty members is constituted to oversee the election process. The Principal of the College is also the ex-officio President of the Students’ Union.

The Students’ Union is a highly active body looking after the welfare of the general students. The members of the Union always cooperate with the college authority to maintain the academic atmosphere of the college. The members also extend their full cooperation during the process of
admission, different games and sports events, Annual Sports and Athletic Meet, blood donation camp and other extracurricular activities. The union organizes various cultural programmes like Fresher’s Welcome, Annual social function, Saraswati Puja etc.

A part of the fees collected from the students at the time of their admission, earmarked as Union Fees, is utilized by the Students’ Union in running their various activities during their tenure.

5.3.6. Give details of various academic and administrative bodies that have student representatives on them.
Various academic and administrative bodies of the College have student representation to facilitate smooth integration of policy and its implementation. They are as follows:

**Governing Body:** Governing Body is the highest Administrative Body of the College. The GB takes decisions about developmental proposal. The president of Governing Body is the District Magistrate of North 24 Parganas. The General Secretary of the Students’ Union is a member.
Photograph 5.8: Cultural Performance by Visiting International Students

Photograph 5.9: Students participating in rally on occasion of Kanyashree Diwas
IQAC: This is an important body of the college entrusted with the responsibility of quality control and development planning. IQAC includes two students of PG departments.

Cultural Committee: The Cultural Committee keeps in constant touch with the Cultural Secretary, Students’ Union to mobilize the students in conducting the cultural programme.

College games and sports Committee: This committee also maintains steady liaison with the Students’ Union to mobilize the students in conducting various games and sports activities.

The College Development Committee: This is a General Committee outside the purview of the Teachers’ Council, and has representation from all the direct stakeholders of the College. Along with teachers and non-teaching staff, the students also are active part of this committee entrusted to look after the overall development of the College.

Equal Opportunity cell: The Cell emphasises on creating a condition of equal access in the midst of diversity. As a measure of promoting inclusion and diversity at the institutional level a number of affirmative action programmes are undertaken by this College. The students’ union has a role to play here in assisting to identify the broad thrust areas.

NSS Committee: The student members, who are also NSS Volunteers, play active part and motivate others in the different activities of the NSS Unit of Barasat Govt. College.

5.3.7. How does the institution network and collaborates with the Alumni and former faculty of the Institution.

The Principal is the chief Patron of the Alumni Association. Meetings are held in the college and students and staff of the College collaborate with the Alumni Association in organizing outreach programmes. In this digital age of social networking, the College has plans to use social media to integrate the Alumni. Soon the options for registration of Alumni members through the College website and integration of the portal with Facebook will be made available.

Former faculties of the College always keep close contacts through formal and informal networks. The College tries to utilize their expertise in various fields.

Any other relevant information regarding Student Support and Progression which the college would like to include.

The College strives to impart quality based higher education so that students can acquire knowledge and development skills to face the national and global challenges. The Principal and all the staff members strive to promote a peaceful academic environment of harmony and cooperation essential in the process of concentration and learning.
CRITERION - VI

GOVERNANCE, LEADERSHIP AND MANAGEMENT
6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution’s distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution’s traditions and value orientations, vision for the future, etc.?

VISION OF THE INSTITUTION
To inculcate an urge for knowledge and enlightenment in the younger generation so that they can be ready to participate in the Nation’s development, adding to its welfare, progress, security and environmental protection.

MISSION OF THE INSTITUTION
i. To follow up its glorious tradition of excellent academic performances, inclusive growth as well as quality assurances with equal opportunities.
ii. To increase female participation in the field of higher education as a part of the legacy of this town.
iii. To provide access to higher education to a greater number of students particularly from the weaker sections, irrespective of religion, caste or creed through formal and non-formal (distant learning) mode without compromising with quality.
iv. To impart quality based higher education with a view to acquiring knowledge and developing skills among the students to generate new vistas of resources for the country.
v. To develop knowledge of liberal arts, basic sciences, biological sciences, social sciences, physical education and other multi-disciplinary courses of modern relevance.
vi. To develop a responsible, sensitive youth force who have social commitments for the greater section of society at large.
vii. To lay emphasis on value education so that the students would become worthy citizens with noble ideals of serving their country.
viii. To promote analytical and empirical research and micro-studies in basic and social sciences, and humanities with special emphasis on the needs and problems of the allied areas.
ix. To ensure accountability to the society and create accountability at all levels.
To build up a general environmental awareness and a community feeling for the locality at the micro level along with the current ecological consciousness on the global issues at the macro level.

Thus the mission statement of the College promotes the ideal of inclusive education as the very basic programme and commits to the needs of larger society. It seeks to promote and serve even students from the bottom and marginal level of the society by instilling a spirit of confidence and self-reliance among them which comes from knowledge through learning.

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

- As a Government College this institution is administered directly by the Higher Education Department and the Education Directorate, Government of West Bengal. They regulate year-wise budget allocation under the Plan and Non-plan heads for the College as well as enjoys full authority in all appointments, confirmation, career advancement, and transfer of Principal, Teachers and Non-teaching staff. Even they decide on the Principal’s and teacher’s participation in any Educational programme and foreign tour.

- As Head of the Institution the Principal provides leadership in creating a positive working environment and implements the government policies. He is the key element in developing the organizational structure, formulating and implementing the strategy of development through the college development committee and Governing body. He shoulders the responsibility to ensure the operation of an efficient fiscal and human resource management system which also promotes the best practices of the institution. In all these tasks, the Teachers’ Council and the Heads of the departments assist and advise the Principal. He gives permission for undergoing PhD/M.Phil. Courses, forward applications for UGC Major and Minor research project or other research projects through college research committee.

- For the internal administration, the Governing Body is the top management group whose President is the District Magistrate of North 24 Parganas. It endorses the institution’s development activities, determines its future direction and implements policies within the framework of Government directives. The Principal forwards resolutions adopted by the Governing body for final approval of the Higher Education Department.

- The Internal Quality Assessment Cell (IQAC) keeps a regular tab on the academic
aspects and activities of the College. It devises and formulates plans relating to future academic growth and sustenance of quality after feedback analysis. The Principal, faculty, non-teaching staff of the College, students’ union and other stakeholders are fully involved in maintaining a strong academic environment.

- Long-term policies are often sub-divided into short term targets by the management and the optimal utilization of human resources are achieved to meet those academic and administrative targets. The Teachers’ Council of the college is a platform to discuss all academic and related developmental issues. The Principal implements the resolutions adopted by the council. In the cases of policy making matters, he recommends and forwards resolutions adopted by the Heads of the Departments and Teachers’ Council for approval of the Higher Education Department. Once approved, the necessary works are executed with the assistance of all concerned. There is a monitoring and feedback system to ensure that the stated objectives are met efficiently on time.

- The leadership of the Institution shows strong commitment to provide logistical and technical support to the teachers and non-teaching staff for improving their efficiency. The postgraduate departments (Bengali, Physics, Botany and Zoology) enjoy academic autonomy. The academic aspects of every postgraduate department is scrutinized by a PG Board of Studies consisting of all faculty members and five external experts. The PG Board of Studies regulates all the academic policies regarding postgraduate studies of the respective departments which reinforce a decentralised governance system.

- Aspects related to discipline in the institution are looked after by Disciplinary Committee, comprising the senior teachers of the College. The teachers and students together contribute to the maintenance of discipline within the campus.

- The non-teaching staff, on the other hand, also plays a vital role for the improvement of the College administration. They frequently take the help of the faculties in the areas of understanding many office matters and implementation of office management software. The authority organizes special training sessions whenever the opportunity arises, to make them comfortable in handling computer and software related to running the office.

- The following structure shows the major components with whom the Principal keeps close contact and operates the College administration smoothly and effectively:
6.1.3 What is the involvement of the leadership in ensuring the following?

- **The policy statements and action plans for fulfillment of the stated mission**—

  Propelled by the Institutional mission, the Principal of the College maintains an effective liaison with the Government, Governing Body, the IQAC and the Teachers’ Council in formulating the policy statements and action plans. The Principal takes care to look after the interest of the stakeholders engaged to run the institution in a very smooth and proper manner. Teachers perform their duties of taking classes, giving guidance and advice to the students both inside and outside the classroom and laboratories. Being a Government College, the institution is totally guided by the policies of the Government of West Bengal and the Principal ensures an active involvement of the concerned authorities in the formulation of institutional policies.

- **Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan**—

  As per specific directives and guidelines of Government or the UGC, the IQAC of the College formulates the broad principles and plans for certain action areas. As a corollary the Teachers' Council in their general meeting discusses the action plans for the future. To implement those plans different academic and administrative committees and sub-committees are constituted. As per requirements non-teaching staff and student
representatives are also incorporated in these committees. The strategies are then implemented at ground level with active cooperation of all the stakeholders. Feedback mechanisms are also operated to secure the viewpoints of the end-users.

- **Interaction with stakeholders**

Interaction with stakeholders is a continuous process which involves dynamic exchanges between the parents and the teachers at the departmental level. The Principal also mediates at such meetings as and when necessary. Keeping the parents updated about their wards’ progress is an essential component of the teaching learning process and this is taken care of primarily by the departments. The parents are also invited to visit the key academic facilities offered by institution and their feedback are sought regarding College infrastructure.

Other stakeholders to the institution are also co-opted while strategizing the growth trajectory of the institution. The non-teaching staff members are always encouraged to voice their opinion on crucial operational matters. Besides this, their representation in management level bodies like IQAC and Governing Body have also been ensured.

The Teachers’ Council is an important forum where issues related to academic matters and overall development of the College in general are taken up. The management seeks the confidence of the Teachers’ Council in implementing certain key targets.

Members of the Governing Body and the Alumni Association also make it a point to visit the college regularly whereby they directly interact with the Principal and teachers. Officials of the affiliating university are kept in loop about the academic progress and needs of the College.

Most importantly, the Principal and faculty members regularly interact with the students who are the most important stakeholders in this academic process. The IQAC seeks their feedback and necessary steps are taken to address their concerns.

- **Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders**

As per reports of the student feedback mechanisms, the faculty members develop their academic planning within the broad parameters of the syllabus and curriculum. The College authority conducts statistical surveys on the physical and human resource utilization after formally collecting feedback from various stakeholders such as parents and students. These
help the top management in planning the policies more effectively. Specific needs of students, which are often allied to a geographic location or socio-economic setting, are thus identified. Prioritizing on those inputs, with the help of an escalation matrix, creates an environment suitable for policy implementation. The College understands the need for addressing newer challenges, such as profit-orientation in educational system, demand for utility based education, incorporation of new technology in the methodology etc.

- **Reinforcing the culture of excellence**

Since its inception in 1950, this institution has been known as a centre having an excellent academic environment. Many distinguished personalities were either teachers or students of this college. Currently the IQAC plays a major role to reinforce the culture of excellence and under its leadership the faculty members are always encouraged to upgrade themselves and to spread the new knowledge among their students. Many teachers are conducting research by associating with agencies like UGC, CSIR, DST, WBDST, ICSSR, ICMR, ISI, IICB, SINP, Bose Institute, JU, CU and CSSS and have been awarded major and minor research projects and are being funded accordingly. They are publishing articles in national and international journals. Many teachers are actively collaborating with reputed institutions within and outside the state of West Bengal for research related needs and their students are being direct beneficiaries as a result.

The Environment Protection and Nature Cell of the college aims to encourage all teaching, non-teaching members and students of the college to be aware and participate in activities connected with the conservation of nature and about the ill effects of the destruction of natural resources. Protection of environment and service towards the animal world is the crying need of the hour. Our college pledges to act towards this goal. Community orientation through NSS activities is a major step to instil a spirit of community service also stimulates a culture of excellence. To promote a culture of independent thinking and spirit of learning, students’ seminars are organized by all Departments and by the PG departments in particular.

The College has also been very successful in bringing out multiple volumes of its peer-reviewed academic journal ‘Aureole’ (ISSN 0976–9625), whereby the research orientation of teachers have been promoted greatly. On the other hand, the College also inculcates a community orientation among the students through their participation in various programmes.
Table 6.1: Year-wise publication of peer-reviewed articles in Aureole (ISSN 0976–9625)

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of Volumes</th>
<th>No. of Articles</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>Volume-1</td>
<td>08</td>
</tr>
<tr>
<td>2010</td>
<td>Volume-1</td>
<td>07</td>
</tr>
<tr>
<td>2011</td>
<td>Volume-1</td>
<td>08</td>
</tr>
<tr>
<td></td>
<td>Volume-2</td>
<td>12</td>
</tr>
<tr>
<td>2013</td>
<td>Volume-1</td>
<td>15</td>
</tr>
<tr>
<td>2014</td>
<td>Volume-1</td>
<td>19</td>
</tr>
<tr>
<td></td>
<td>Volume-2</td>
<td>15</td>
</tr>
</tbody>
</table>

- **Champion organizational change**

Every institution hopes to nurture its students in the best possible way, so that they can get established in their career and in life. The institution remains committed to the cause of improving organizational change in an efficient and value-laden manner. In this regard, the Principal keeps in mind the recommendations of the Governing Body and the Teachers’ Council whenever possible. The Career Counselling Cell of the College bridges the gap between the students seeking job and the industry seeking specific skills. Through its activities the Cell tries to inculcate a spirit of professionalism among the students. The general computer literacy programme among the students is carried out with the help of the centre of NIELIT.

The art of building consensus is a valuable life-skill and the students get a hands-on experience for such skills by managing their own affairs through a democratic Students’ Union. Election for such students’ body is conducted every year by ensuring equitable representation from among all section of students of both Science and Humanities disciplines of UG section.

In order to promote higher education among all sections of the populace, there is a running Centre of Netaji Subhas Open University (NSOU) within the campus of the College, where the number of students is gradually increasing over the years indicating the importance of off-campus enrollment.
6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

As per specific directives and guidelines of the State Government or the UGC, the IQAC of the College formulates the broad principles and plans for certain action areas. As a corollary the Teachers’ Council in their general meeting discusses the action plans for the future and sets out certain targets. Most of the academic targets are set with a specific deadline. If any lacuna is found in one session it is reported to the IQAC and necessary structural modifications are effected.

To suitably address different problems that crop up in the way of achieving the targets, the Principal regularly meets with the different stakeholders of the organizational structure and thereby policies are reviewed and revised, if necessary. Also the Internal Quality Assessment Cell regularly monitors and keeps a vigil on the progress of the assigned jobs of all the academic and administrative sub-committees and proposes necessary suggestions to improve the institutional performance.

6.1.5 Give details of the academic leadership provided to the faculty by the top management?

Proposals for uplift of academic status of the College are carefully prepared and presented at the national forum. The Principal and the IQAC guide the faculties to organize seminars, symposium, conferences, workshops, excursions, as well as to represent the college in academic events organized by other institutions in India. Board of Studies of different PG departments set the academic strategies and plans for effective implementation of funds to meet them. The junior teachers are groomed by the seniors to create a spirit of bonhomie. The faculty members are also encouraged to conduct research projects funded by UGC, DST, ICSSR, ICMR etc. and to participate in orientation and refresher courses.

6.1.6 How does the college groom leadership at various levels?

Teachers of this college represent an admixture of youth and experience. Staying true to the spirit of any healthy organizational set-up, the new entrants to the service are groomed by the seniors at various levels in order to prepare them for the dual role of academician-administrator. Along with the seniors, junior faculties are entrusted with conducting
admission, University examinations, Students’ Union election and various other administrative works. The mechanism helps Govt. College teachers build up their leadership in academic and college administration. When the Principal is out of station, senior teachers have to discharge duties as Officer-in-Charge on rotation and thus can develop their administrative ability to run the college under various situations.

The teachers also have to function as Coordinator of the unit of Netaji Subhas Open University, thereby having an opportunity to develop their administrative qualities. These experiences prepare a teacher for future assignments of extreme importance and encourage them to be a better teacher.

Most important task of the college authority is to groom leadership among its students who in near future will take the responsibility to enrich the national agenda. The elected Students’ Union is an important platform where students have ample opportunity to get trained and enrich their leadership qualities. The General Secretary of the Students’ Union gets to participate in policy framing through the Governing Body of the College. Through multiple co-curricular activities of the union, the organizing capability of the students gets developed. Organization of cultural competitions, debate and quiz, annual sports also inculcate a sense of responsibility in fund management, life skills and disciplinary measures in them.

Some of the non-teaching staff are selected to lead the day-to-day functioning of college administration while some are assigned management of finance and accounts related activities. The non-teaching staff also get a place in the Governing Body of the College and IQAC, thereby accruing direct management skills. Otherwise, they form the steel-frame of the administrative support mechanism of the College. The continuity in administrative and student-related functions are ensured by their alertness only.

6.1.7 How does the college delegate authority and provide operational autonomy to the departments/units of the institution and work towards decentralized governance system?

The Principal of the College believes in collective leadership and decentralized governance. The departments of the College enjoy operational autonomy in academic, financial and developmental matters. They have the power to decide the cut-off marks for UG and PG admission, purchase of books, purchase of contingency equipment, set up academic
calendars and regular lesson plans for the department, departmental routine preparation, distribution of syllabus and class-load among teachers, arranging of seminar classes, tutorials, remedial classes, functioning of departmental libraries, departmental excursions and conducting of departmental meeting on academic matters.

The PG Departments in addition to the above enjoy academic autonomy. The Principal assigns the post of ‘Head of the Department’ on seniority and honorary basis. The Heads of the Departments have the responsibility for managing academic and some financial matters.

The Principal, or for that matter other personnel from the management, do not interfere in the autonomy of the Admission Committee of the College, formed by the Teachers’ Council. Acting almost independently, this is a major area where the performance of the teachers is commendable. Again, sub-committees such as Anti-Ragging Committee, Internal Complaints Committee (ICC), General Grievance Committee, Internal Examination Committee etc. have operational autonomy in dealing with their respective issues. The Principal coordinates between the sub-committees and sections to maintain a harmonious balance.

Tender and Purchase committee operate the purchasing procedure and the Principal sets guidelines of fund distribution in consultation with the Departmental Heads. With the given fund, each department prepares the list of books and journals, lab materials, chemicals and equipment to be purchased and guides the process of submitting quotations against published tenders from the vendors. Special care is taken to maximize the efficiency of the existing infrastructure of the institution with the active participation of all.

6.1.8 Does the college promote a culture of participative management? If ‘yes’, indicate the levels of participative management.

Yes, the college promotes the culture of participative management for an effective internal coordination and monitoring mechanism. All activities in the College involve active participation between the Principal and the Teachers’ Council. The Teachers' Council being the highest academic body of the College has to take decisions in all academic matters. Participatory management is ensured through the various sub-committees, and membership of non-teaching staff and students' representatives in selected committees of the college.
Table 6.2: Different Sub-Committees of the Teachers’ Council (2014-15 Session)

<table>
<thead>
<tr>
<th>Academic Committee</th>
<th>Administrative Committee</th>
<th>Sports &amp; Cultural Committee</th>
<th>Special Committee</th>
<th>Others Committee</th>
</tr>
</thead>
</table>

Photograph 6.1: A Teachers’ Council Meeting in progress
6.2 Strategy Development and Deployment

6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

Imparting quality education at an inclusive level to cater to all corners of the society has been the policy of the College since its inception in 1950. The policy as encapsulated in its mission is to empower our students with holistic education thereby creating true human being who would be veritable assets of the society. This policy is developed by the collective efforts of all the stakeholders and driven by the enthusiasm and hard work of all concerned. It is reviewed through the Annual Quality Assurance Report which records the quality enhancement and sustenance measures for every year.

6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

The development plan of the Institution is formulated through the cumulative effort of the Principal, Governing Body, teaching faculty and office staff. It has to take into account the State Government Development Grant and the grants sanctioned by UGC and also by DST. For the academic development the institution plans to open new subjects of teaching from time to time. The institution is considering opening of new UG Honours courses in Statistics and Physical Education. Keeping in mind the quality of faculty members, basic infrastructure, results and students’ demand, the College is going to introduce PG course in Chemistry. It has already received due affiliation of West Bengal State University and is waiting for the final approval of the Higher Education Department.

6.2.3 Describe the internal organizational structure and decision making processes.

![Figure 6.1: Organizational Structure of the College](image-url)
Education Directorate and Higher Education Department - these two wings of the Ministry of Education, Government of West Bengal directly controls the organizational structure of this college. Governing Body is the top management relating to decision making process. Rest of the organizational detail is shown by the above schematic diagram.

6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following:

✓ Teaching and Learning:

- The quality of the teaching learning process, from academic point of view, depends on capacity of teachers and receptivity of students. Elimination of vacancy in teaching posts remains a constant endeavour of the College.
- The geographical catchment area of our students is gradually expanding to remote corners of the district. To augment the quality of students and ensure equity based admission process the college has introduced on-line admission since 2013 and proper vigilance over the system is effected. A high level of societal and financial heterogeneity among the students is observed. In order to overcome the said heterogeneity teachers specially guide the weaker students beyond class hours.
- Both at the UG and PG levels, participative learning, interactive sessions, student seminars, case studies, project work, assignments, and problem solving exercises, practical/field work and use of audio-visual teaching aids are regularly used.
- A feed-back based teaching-learning-evaluation system by the principal stakeholders of the college has been developed. Three types of evaluations are made for that purpose. These are as follows.
  - Evaluation of every teacher by the students.
  - Evaluation of the College by the students.
  - Evaluation of the College by the parents.
  
Feedbacks are analysed regularly and statistically and the outcomes are circulated among the teachers for their awareness and improvement)
- UGC funded remedial courses for SC, ST, OBC and minorities are conducted.
- The Internal Academic Audit is conducted at the end of each academic year. This process helps every teacher fill up the shortcoming, if any, and improve qualitatively in his teaching plan.
The projector-based teaching in E-class rooms is in practice in most of the Departments.

Study tours, educational excursion of students for different departments are conducted as on-curriculum /off curriculum programme. The students are to prepare and submit a full report on the field study thereafter.

The College, in partnership with NIELIT Computer centre, provides a basic soft skill training course to the students.

All the departments encourage their students to spend some quality time at their own seminar libraries to carry out their reference work under the supervision of one of the departmental teachers. The teachers devote a part of their time in the departmental library.

Most of the departments organize invited lectures, talks regularly.

Project, dissertation, students’ seminar which are normal practice to PG students, are also encouraged at the undergraduate level. Hands-on training of different instruments, gadgets and software are provided to both PG and UG students.

Students from weaker sections are given support in their studies by way of full or partial tuition fee waiver. Care is always taken so that no student having a desire for education drops out for want of fees.

It should be emphasized here that special attention is given while introducing a new course so that the academic standard is maintained. Introduction of new UG and PG courses are in the anvil. The matter of value education and community outreach has been an integral part of our overall curriculum. This also becomes evident from the appreciable student-teacher-staff-community relationship.

It should be reiterated that the efficiency of any process is achieved incrementally and there is always a room for further development. The College endeavours to achieve greater heights in respect of teaching learning process.

Research & Development

The teaching staff members are showing their interest to bring research fund against minor or major research projects for the overall academic development of the College. Funds are now coming from various State level and Central Govt. agencies. The amount of funds received for minor and major projects is significantly higher than before.
The college encourages participation of staff members in faculty development programmes within and outside the College, without disrupting the academic schedule. Keeping in mind the ongoing academic programme, departments arrange local and State level Seminars, Symposiums etc. on different issues. The college also encourages its faculties to participate in Seminars, Workshops, Symposiums organized by other institutions.

The increasing number of publications in international and national peer reviewed journals bear evidence of academic contribution of this college to the national and global knowledge base.

The college publishes its Academic Journal “Aureole” (ISSN 0976–9625) on a regular basis. Teachers from this College and other institutions of West Bengal publish their papers on current issues of research. Notice on ‘Call for Papers’ are widely publicized and the articles are peer-reviewed following a double-blind method.

Community engagement

The college has an active NSS unit which has increased its activities over the last few years. Several outreach programmes have been successfully organized.

Large number of students as well as teaching and non-teaching staff have participated in Thalassemia detection camp and few carriers have been identified.

The college helps different wings of the Government to arrange its broadcast events and public examinations. The teachers and non-teaching staff of the college extend their active participation to conduct those examinations.

Through its unit of Netaji Subhas Open University the college helps the local populace in terms of adult and continuing education for study in different branches.

Human resource management

The teaching faculty works in various committees and sub committees and participates in the cultural activities of the College. They are also engaged in research and publication. The Principal encourages the involvement of the teachers in meaningful decision-making and also motivates the faculty members for undertaking research.

During the promotion or placement of teachers to higher scale of pay, the Principal has to send their Annual Confidential Reports and Special Confidential Reports to the Director of Public Instruction, West Bengal.
The non-teaching staff are assessed by the concerned department and the Principal also takes adequate care to examine the performances of the staff. Their training for coping with the technological changes are organized by the Principal.

The health related needs of the employees and their families are covered under cashless Health Scheme instituted by the Government of West Bengal.

**Industry interaction**

There is a Career Counselling Cell in the College which frequently organizes industry interfaces between the industry and the students. It is mostly the final year students who attend these career counselling and job recruitment sessions. The College had organized a Career Fair in February, 2011 whereby several partners from the industry groomed the students of this College. Thereafter several career counselling sessions have been organized every year to enlighten the students. The Eastern Institute for Integrated Learning in Management (EIILM) recently organised a grooming session for the final year UG students at college premises for higher educational prospects and jobs.

6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

The Head of the Institution ensures collection of information through the following:

- Formal feedback from students of each department.
- Continuous informal feedback from teachers and non-teaching staff.
- Feedback from Head of the Departments.
- Feedback from the departments on Parent-Teacher meetings.
- Minutes of PG Board of Studies meetings and Teachers’ Council meetings.
- Additionally the Alumni of the College also provide inputs for improvement.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

The College authority takes all possible care to ensure that all the members of staff are involved in the institutional processes. The Governing Body and Internal Quality Assurance Cell has representatives from both teaching and non-teaching staff which ensures their active participation. The Teachers’ Council along with the sub-committees have a mechanism to
groom junior teachers. Meetings of all these bodies are held at regular intervals and the institutional processes are reviewed so that their efficiency is enhanced. This guarantees that all official activities are performed promptly and efficiently. The effort of the non-teaching staff in executing the official works is quite appreciable.

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

The Governing Body and the Teachers’ Council have made several resolutions on academic and administrative aspects of the College.

- **Recent resolutions of Governing Body are as follows:**

(i) In the meeting held on 14th November 2014, the Governing Body resolved that a condemnation committee will be formed to dispose the unusable & discarded articles lying as junk, occupying large space in the college campus. The said resolution duly forwarded to the Higher education Department for approval. The College recently received the necessary approval from the Govt. The process of such disposal is now in progress.

(ii) It also resolved the matter regarding the proposal sent to the MPs of the districts seeking funds from MPLAD Fund for the construction of new library building. The matter is under consideration.

The minutes of the meetings are available for perusal.

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If ‘yes’, what are the efforts made by the institution in obtaining autonomy?

As a Government College under the aegis of the Higher Education Department, Government of West Bengal, the College needs approval of the Government for obtaining autonomy. The College is yet to approach the Government with a proposal for autonomy. For the undergraduate level the academic decisions (framing of syllabus, conducting examinations, fixing norms of admission and registration, etc.) are taken by West Bengal State University. However, the college has academic autonomy at the postgraduate level.
6.2.9 How does the Institution ensure that grievances/complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?

❖ The College has an Internal Complaints Committee (ICC), as per the Vishakha guidelines. It also has a Grievance Redressal Cell where students can record their grievances. They can also provide their feedback about the College in the evaluation forms given to them by the IQAC.

❖ There is a formal mechanism to address general grievances as well. Names of incumbents in Anti-ragging squad are displayed properly. Complaint boxes have been placed in multiple strategic locations of the College. There is a Gender-Box also to keep intact the anonymity of complainants of harassments.

❖ The faculty members keep a very cordial relationship with the parents of the students. Parent-Teacher meetings are conducted in each department every year. Feedback from the parents is recorded and sincere effort is made to address the issues to help the quality control of the Institution. The guardians also meet the Principal for redressal of their grievances.

6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

No.

6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If ‘yes’, what was the outcome and response of the institution to such an effort?

❖ The outgoing Third year and PG II students are given feedback forms by the IQAC in which they evaluate the infrastructural facilities of the College and also faculties of respective departments. Anonymity is maintained in this case. The filled up forms are analysed by the IQAC committee and also the Principal and necessary steps are taken for improvement.

❖ For example, some time ago certain girl students had expressed reservation on the sufficiency of ladies toilets in the College through the feedback form. The IQAC decided to address the issue by proposing creation of entirely new toilet complex for the students and forwarded it to the Principal. Prompt actions were initiated as a result.
6.3 Faculty Empowerment Strategies

6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non-teaching staff?

- Research being one of the priorities of the Institution, the faculty members are engaged in conducting major and minor research projects, participating in national and international seminars and workshops. Further, the teachers also act as resource persons in seminars, workshops, etc. conducted by other colleges/universities. They also regularly attend Orientation Programme, Refresher Courses and Summer Schools conducted by the various Academic Staff Colleges for their enrichment.
- Internet facilities have been provided to the teachers within the campus to increase their academic productivity and output.
- The non-teaching staffs are given Computer training and hands-on interactive sessions with software such as COSA, E-Bantan, E-Pradan etc. for preparation of salary bill, keeping accounts, student’s data and various other functions of the office.

6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

In the past five years, there have been fifty one (51) instances where the teachers have been able to complete Refresher Course, Orientation Programme, PhD Coursework etc. and the College authority has always been supportive of such needs of the teachers. The faculty members of the College are also engaged in various activities of academic leadership. They are encouraged to perform their duties as the BOS members of the West Bengal State University, as Head Examiner, Examiner, Scrutinizer, Paper setter, Moderator, Counselor of Distance Education programme etc. The IQAC constantly monitors such activities of the teachers and keeps them abreast with latest administrative directives to ensure propriety.

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

- The Institution maintains Daily Self-Appraisal System in which each teacher keeps a record of attendance, classes allotted and taken and other academic as well as administrative activities done inside and outside College. These Self-Appraisal
Reports of each teacher are submitted to the Principal every month and are forwarded by the Principal to concerned higher authorities. All such multifaceted activities of a teacher are reflected in a consolidated manner in the form of Annual Confidential Report (ACR), which is prepared by consulting the Self-Appraisal Reports.

- The teachers are at times provided deputation-posting to a responsible post. They are also encouraged by the UGC Career Advancement Scheme endorsed by the Government. Record of their leaves are also kept and documented accordingly.
- There is scope of Career Advancement Schemes for non-teaching staff as well. They are evaluated by the Principal and Head of the concerned department. The non-teaching staffs undergo a Performance appraisal system where the Principal submits Annual Progress Report (APR) to the higher authority.

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

The Daily Self-Appraisal of the faculty are submitted to the Principal which is subsequently forwarded to the Higher Education Department, Government of West Bengal. Annual Confidential Report (ACR) of every faculty is prepared in consonance with these Self-Appraisal Reports. This serves as a necessary document for the Career Advancement of the faculty. At the time of confirmation of service of every teaching and non-teaching staff a Special Confidential Report from the Principal is also required.

6.3.5 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

The permanent employees of the College are bona fide Government servants. As a result they are entitled to the General Provident Fund (GPF), Group Insurance (GI) Scheme and the Cashless Health Scheme of the Government of West Bengal. The GPF and GI schemes are compulsory for all and hence 100% employees are availing it. The Health Scheme is in force since 2008 and has been availed by more than 95% of employees till date. Under the new cashless health scheme, even families of employees have been brought under insurance.
6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

The College is guided by the recruitment policy of Government of West Bengal and so it cannot appoint regular faculty on its own. The recruitment of the teaching staff is made as per existing rules following UGC norms by the Department of Higher Education through the Public Service Commission, West Bengal. However, the College is empowered to engage eminent faculties as Guest Teachers. The Postgraduate departments in particular invite senior retired academicians to deliver course lectures or special lectures.

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?

Being a Govt. College, it is guided by the financial rules of the Govt. of West Bengal. A number of committees consisting of teaching and/or non-teaching staff are constituted every year to ensure purchase of equipment, books and furniture. Utilization of resources and also monitored effectively. Such committees are:

(1) Tender Committee.
(2) Central Purchase committee
(3) UGC committee
(4) DST-FIST committee
(5) Departmental council of PG Departments
(6) Committee of the Heads of the Departments
(7) Library committee
(8) Internal Quality Assurance Cell.

Other significant mechanisms are as follows

- E-tendering process is ensured to maintain fairness in purchase related matters. Sufficient publicity is given to the tenders through other Govt. offices.
- Salary is billed through the COSA software. Financial resources are received directly into bank accounts and the State Government has introduced the mechanism of E-Pradan thereby making the system computerized.
- Records of purchases, bill and cheque registers, stock books, scholarship registers showing receipts and disbursements are maintained and regularly updated. Each committee has its own registers for maintaining records.
• Every department maintains its stock register and internal audits are conducted. PG departments have Treasurers who handle the financial resources.

• The whole process of fund allocation and management is supervised by the Principal. The Governing Body also recommends proposals for the effective utilization of financial resources. Auditing is done periodically and stipulations are met.

6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

Grants received from UGC, DST, DBT etc. are regularly audited by registered auditors and the utilization certificate and statement of expenditures as per prescribed formats, are submitted to the respective bodies in due time. The grants received by the state government are audited by the Audit and Accounts Section of the office of the Principal Accountant General, Government of West Bengal. They conduct detailed audit of all accounts periodically. The last audit was conducted for the period 01.01.2013 to 24.02.2015. Major objections and its compliance to the same is being incorporated in the Annexure section of this Document. The detailed inspection report and broad-sheet reply are also available at the College for perusal.

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and there serve fund/corpus available with Institutions, if any.

The institution receives annual and planned funds primarily from the Government of West Bengal and UGC. The College has also received project-wise from the DST, New Delhi. Apart from these, additional grants for specific purposes are also received by the College, details of which are discussed under Question No. 6.6.4. The details of receipts and expenditure under Plan and Non-Plan head and UGC grants are being listed below. Records are available for perusal. The expenditures on state government funds are made as per availability/allocation of fund. However in the case UGC fund, in order to implement the scheme, deficit is temporarily managed by allocating the same from college fund which becomes adjusted after allocation by UGC on completion of the project.
Table 6.3: STATEMENT OF ACCOUNTS IN RESPECT OF WEST BENGAL
GOVERNMENT GRANT (PLAN GRANT) DURING 2011-2015

<table>
<thead>
<tr>
<th>Plan Grant (Development Grant) Heads of Accounts</th>
<th>Total Receipts</th>
<th>Total Expenditure between 2011-2015 (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2011-12 (Rs.)</td>
<td>2012-13 (Rs.)</td>
</tr>
<tr>
<td>Equipment</td>
<td>9,00,000</td>
<td>4,00,000</td>
</tr>
<tr>
<td>Chemicals and Glassware</td>
<td>7,00,000</td>
<td>3,00,000</td>
</tr>
<tr>
<td>Books and Journals</td>
<td>4,50,000</td>
<td>2,50,000</td>
</tr>
<tr>
<td>Furniture</td>
<td>5,50,000</td>
<td>6,50,000</td>
</tr>
<tr>
<td>Contingency</td>
<td>1,00,000</td>
<td>1,00,000</td>
</tr>
<tr>
<td>Total</td>
<td>27,00,000</td>
<td>17,00,000</td>
</tr>
</tbody>
</table>
### Table 6.4: STATEMENT OF ACCOUNTS IN RESPECT OF WEST BENGAL GOVERNMENT GRANT (NON-PLAN) DURING 2011-2015

<table>
<thead>
<tr>
<th>Non-plan Grant Heads of Accounts</th>
<th>Total Receipts</th>
<th>Total Expenditure between 2011-12 and 2014-15 (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2011-12 (Rs.)</td>
<td>2012-13 (Rs.)</td>
</tr>
<tr>
<td>Salary (including Arrear)</td>
<td>5,36,18,520</td>
<td>6,87,60,000</td>
</tr>
<tr>
<td>Office Expenses</td>
<td>12,03,750</td>
<td>14,84,540</td>
</tr>
<tr>
<td>008 Other Charges</td>
<td>2,20,000</td>
<td>4,15,000</td>
</tr>
<tr>
<td>50 Other Charges</td>
<td>21,08,446</td>
<td>37,87,205</td>
</tr>
<tr>
<td>Rent, Rate and Taxes</td>
<td>85,000</td>
<td>3,70,000</td>
</tr>
<tr>
<td>Total</td>
<td>5,72,35,716</td>
<td>7,48,16,745</td>
</tr>
</tbody>
</table>
**Table 6.5:** STATEMENT OF ACCOUNTS IN RESPECT OF GRANTS FROM UNIVERSITY GRANTS COMMISSION DURING 2011-2015

<table>
<thead>
<tr>
<th>Heads of Accounts</th>
<th>Total Receipts (in rupees)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Books and Journals</td>
<td>6,17,656</td>
</tr>
<tr>
<td>Equipment</td>
<td>10,80,000</td>
</tr>
<tr>
<td>Additional Grant for equipment</td>
<td>9,02,000</td>
</tr>
<tr>
<td>Entry in service</td>
<td>6,40,000</td>
</tr>
<tr>
<td>Remedial coaching for SC/ST/OBC</td>
<td>4,20,000</td>
</tr>
<tr>
<td>Seminars and Conferences</td>
<td>2,56,000</td>
</tr>
<tr>
<td>Research Projects</td>
<td>--</td>
</tr>
<tr>
<td>PBG-31</td>
<td>--</td>
</tr>
<tr>
<td>PBG-35</td>
<td>--</td>
</tr>
<tr>
<td>Building</td>
<td>17,00,000</td>
</tr>
<tr>
<td>IQAC</td>
<td>--</td>
</tr>
<tr>
<td>Total</td>
<td>56,45,656</td>
</tr>
</tbody>
</table>

**Table 6.6:** STATEMENT OF ACCOUNTS IN RESPECT OF DST-FIST GRANT

<table>
<thead>
<tr>
<th>Total Receipts</th>
<th>Total Expenditure during 2013-15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rs.56,50,000/- vide Order No. SR/FST/COLLEGE-078 dated 15.02.2012. Sanction Sl. No. 33, dated 30.05.2013</td>
<td>Rs.56,50,000/-</td>
</tr>
</tbody>
</table>

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

For securing additional funding separate proposals are placed to the Govt. as well as UGC. For example in terms of infrastructural development/upgradation/maintenance, the college submits project-wise proposals duly vetted by the Public Works Department (PWD) to the Higher Education Department, West Bengal. Government generously considers the projects and allots fund at the disposal of PWD for execution of the works. Proposal for sanction of grants towards construction of Annex Chemistry building and sanction of additional grant towards purchase of laboratory equipment etc. are submitted to UGC and are considered.
<table>
<thead>
<tr>
<th>Sl No.</th>
<th>Name of the Grant Received</th>
<th>Sanction No.</th>
<th>Grant received (Rs.)</th>
<th>U.C. Submission with date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>UGC Grant XIth Plan for Additional grant (Equipment)</td>
<td>AGW-143/10-11 dated 13.10.11</td>
<td>9,02,000 11,27,500 2,25,500 -- -- 22,50,000</td>
<td>U.C on 05.06.13</td>
</tr>
<tr>
<td></td>
<td>AGW-607/11-12 (ERO) dated 01.11.12</td>
<td>-- -- -- 12,50,000 10,00,000</td>
<td>22,50,000</td>
<td>U.C on 11.09.14 and 05.05.15</td>
</tr>
<tr>
<td>2.</td>
<td>UGC Golden Jubilee Grant for Construction of Extension of Annex Chemistry Building</td>
<td>WG-032/11-12 dated 05.12.13 and 02.01.14</td>
<td>12,50,000 10,00,000 2,50,000 -- --</td>
<td>25,00,000</td>
</tr>
<tr>
<td>4.</td>
<td>Govt. Grant for Construction of Extension of New Science (Annex) Building</td>
<td>G.O No.691(Sanc)/EH/P/CG/4C-106/2011 dated 17.02.15</td>
<td>5,00,000</td>
<td>5,00,000</td>
</tr>
<tr>
<td>5.</td>
<td>UGC Fund for B.A. Building</td>
<td>MSWS-039/09-10 (ERO) dated 01.11.11</td>
<td>4,50,000 4,50,000 -- -- --</td>
<td>9,00,000</td>
</tr>
<tr>
<td>6.</td>
<td>UGC Grant under HEPSN Component-2 for Construction of ramp and railing</td>
<td>MSWS-039/09/10 dated 01.11.11</td>
<td>2,50,000</td>
<td>5,00,000</td>
</tr>
<tr>
<td></td>
<td>MSWS-039/09/10 dated 09.09.14</td>
<td>2,50,000</td>
<td>2,50,000</td>
<td>1,50,547</td>
</tr>
<tr>
<td>7.</td>
<td>Govt. Grant for purchase of Double distillation set in the Chemistry Department</td>
<td>G.O No.898(Sanc)/EH/N/CG/4C-93/2012 dated 22.03.13</td>
<td>1,50,547</td>
<td>1,50,547</td>
</tr>
<tr>
<td>8.</td>
<td>Govt. Grant for purchase of Double distillation set in the Botany Department</td>
<td>G.O No.897(Sanc)/EH/N/CG/4C-93/2012 dated 22.03.13</td>
<td>2,61,290</td>
<td>2,61,290</td>
</tr>
<tr>
<td>9.</td>
<td>Purchase of research Instrument (Microscope) for Botany PG department</td>
<td>G.O No.897(Sanc)/EH/N/CG/4C-31/2012 dated 22.03.13</td>
<td>5,42,709</td>
<td>5,42,709</td>
</tr>
</tbody>
</table>
6.5 Internal Quality Assurance System (IQAS)

6.5.1. Internal Quality Assurance Cell (IQAC)

a. Has the institution established an Internal Quality Assurance Cell (IQAC)? If ‘yes’, what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

- Yes, the College has constituted Internal Quality Assurance Cell (IQAC) on and from 06.01.2010 following the relevant guidelines. This Cell monitors the teaching, research and various departmental activities of each department.
- Feedback regarding teaching, infrastructural facilities and other amenities of the College are collected from the students by this Cell.
- This Cell visits each department every year to verify the yearly progress of the department with regard to record documentation, academic and research activities.
- The students’ feedback for each department is considered. Good points are appreciated and remedial measures for the weak points are suggested.
- The Cell is responsible for regular submission of Annual Quality Assurance Report (AQAR) to NAAC. The AQARs of the last four years have also been uploaded in the College Website.

b. How many decisions of the IQAC have been approved by the management/authorities for implementation and how many of them were actually implemented?

The decisions could be implemented through institutional endeavour only. Details of institutional implementation are being mentioned in the following table.

<table>
<thead>
<tr>
<th>Year</th>
<th>Date of Meeting</th>
<th>Broad theme of Discussion/Resolution</th>
<th>Status of Implementation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>06/01/2010</td>
<td>Selection of IQAC team members, in accordance with the requirements for NAAC.</td>
<td>IQAC has discussed the matter with all the Depts. and identified their strengths and weakness.</td>
</tr>
<tr>
<td>Date</td>
<td>Event</td>
<td></td>
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<tr>
<td>------------</td>
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<td></td>
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</tr>
</tbody>
</table>
| 17/02/2011 | a) Dr. Nisith Chandra Das selected as Coordinator of IQAC and Dr. S. Poddar and Saikat Naskar included as members.  
                   b) Discussion on Teaching-learning system.                                      |
|            | A Career fair has been organized in February, 2011                  |
| 28/09/2011 | a) Proposal for organizing seminars in different Departments.  
                   b) Redressal of students’ grievance on condition of toilets.                  |
|            | a) Some departments have organized Seminars;  
                   b) Increasing the number and improving the condition of toilets.           |
| 19/09/2012 | a) Proposal for a separate room for Seminar Library for humanities section.  
                   b) Proposal to increase space in central library and digitization of library materials. |
| 30/08/2012 | a) Departments asked to give requisition for infrastructural upgradation, including photocopier machine, laptop, internet connectivity.  
                   b) Proposal for formation of a Research Committee as per UGC guidelines. |
|            | a) Internet connectivity provided to different departments.            |
| 07/01/2013 | a) Proposal for initiation of full-fledged Online admission system from 2013-14. |
|            | a) Research Committee has been formed to promote research activities. |
| 20/08/2013 | a) Proposal for regular cleaning and beautification of the College campus.  
                   b) Proposal for extension of 2nd floor of the Main Building to accommodate laboratories of Botany, Zoology and Seminar Library. |
|            | a) Partial system of online submission of forms began.  
                   b) B.A. Building and Ramp constructed.                                        |
| 02/04/2014 | a) Proposal for UGC-Inflibnet online journal membership.  
                   b) Proposal to provide more internet facilities to the students.            |
|            | a) E-corner for students created in Central Library.                  |
| 27/11/2014 | a) Proposal for complete online admission.  
                   b) Proposal to shift B.Sc General course from Morning section to Day section.  
                   c) All Departments asked to distribute feedback forms to the outgoing students. |
|            | a) The Central Library has subscribed membership for UGC-Inflibnet.     |
| 04/05/2015 | a) Discussion on approval of WBSU on new PG course in Chemistry.  
                   b) Proposal for installation of air-conditioning system in Reading Room of the Central Library. |
|            | a) Feedback from students have been evaluated.  
                   b) Air-conditioning facility provided in Reading Room.                      |
c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

Yes, there are external members included in the IQAC. The external members offer valuable suggestions on many occasions. We have had among us the Additional District Magistrate, Additional Director of Public Instruction, Member-Secretary, Higher Education Council as members of IQAC. From 2014, few alumni members are also part of the IQAC. The decision to introduce new PG course in Chemistry had been endorsed by the external members and full co-operation in this regard had been promised by the high functionaries of the Government. Similarly, construction of a Girls’ hotel was also proposed by the external members keeping in mind the high enrolment ratio of girl students in this College. The list of present IQAC members is given in the following table.

### Table 6.9: Composition of IQAC

| Chairman: | Dr. Subhasis Dutta, Principal, Barasat Govt. College. |
| Co-ordinator | Dr. Jukta Adhikari, Professor and Head, Department of Botany |
| Senior Administrative Officer: | Additional District Magistrate, Development, North 24 Parganas. Govt. of West Bengal. |
| | Prof. Jayasri Ray Chaudhuri, Additional DPI (Admn), Education Directorate, West Bengal. |
| | Dr. Prabir Kumar Das, Member Secretary, West Bengal Council for Higher Education. |
| Teacher Members: | Dr. Pradip Mukherjee, Professor and Head, Department of Physics. |
| | Dr. Dilip Kumar Naha, Professor and Head, Department of Bengali. |
| | Sri Sujit Kumar Bhattacharyya, Head, Department of Geography. |
| | Dr. Basabi Roychowdhury, Head, Department of English. |
| | Mrs. Arpita Neogi Sengupta, Head Department of Philosophy. |
| | Dr. Arun Kumar Roy, Librarian. |
| | Mr. Prabal Bagchi, Head, Department of History. |
| | Dr. Madhumita Manna, Head, Department of Zoology. |
| Members from the Management: | Principal, Goenka College of Commerce and Business Administration, Kolkata. |
| Local Society Members: | Smt. Rahima Biwi Mondal, Hon’ble Sabhadhipati, North 24 Parganas. |
| | Sri Sunil Mukherjee, Hon’ble Member, Barasat Municipality. |
| | Prof. Sobhakar Ganguly, Hon’ble Member, Governing Body, Barasat Govt. College. |
| Student Representative: | Archita Bhoumik, M.A. SEM-II, Department of Bengali, Barasat Govt. College. |
| | Saikat Shoo, M.Sc. SEM-II, Department of Botany, Barasat Govt. College. |
| Alumni Representative: | Dola Chattopadhyay, Ex-Student of Economics. Presently, Assistant Professor. Department of Economics, Bidhannagar College. |
d. How do students and alumni contribute to the effective functioning of the IQAC?

- Two student members have been incorporated in the IQAC as per latest set of guidelines. They are encouraged to present the opinion of the student community.
- Students are the primary stakeholders towards whom all efforts of the IQAC are targeted. Their feedback is treated with utmost seriousness and quality improvement measures are taken.
- Alumni Association of the college also contribute their valuable suggestions to the overall development of the Institution.

e. How does the IQAC communicate and engage staff from different constituents of the institution?

- Apart from the Principal, present teachers from different departments are taken as constituent members of the IQAC.
- One non-teaching staff member and two student representative is also a part of IQAC.
- Through regular meetings and deliberations different constituents of the Institution are made aware of the IQAC’s activities.

6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If ‘yes’, give details on its operationalization.

- For the slow learners, tutorial classes are arranged. The teachers continuously evaluate the students based on their classroom interactions, home assignments in the tutorials and also class tests. Students are encouraged to use the internet for their reference work under the guidance of a teacher of the department.
- Seminars and talks are organized to acquaint the students with different perspectives related to their subject. Parent teacher meetings are held to notify the guardians about their ward’s progress.
- The computerization of the College office, incorporation of software such as COSA, E-Bantan, E-Pradan, LibSys etc. has enhanced the quality of administrative activities.
- The College Library has access to online journals through Inflibnet and British Council Library facility.

6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If ‘yes’, give details enumerating its impact.

Recommendations of IQAC are communicated to the concerned teachers. They are asked to follow UGC-CAS guidelines to meet their career-related stipulations. Faculty members are encouraged to undertake faculty development programmes as follows:
- Refresher and Orientation Courses.
- Summer and Winter Schools.
- Faculty Improvement Programme under UGC scheme.

The training of teaching staff are looked after by the Government and the College follows directives issued by the Government in this connection.

6.5.4 **Does the institution undertake Academic Auditor other external review of the academic provisions? If ‘yes’, how are the outcomes used to improve the institutional activities?**

The IQAC in consultation with the Principal undertakes academic audit internally. There are plans to engage external reviewers for this purpose, in order to augment the qualitative aspects. On another level, Daily Performance Reports submitted by the faculty members are monitored by the Principal and these are forwarded to the higher authorities. The Principal is also responsible for preparation of Annual Confidential Report (ACR). These measures are taken to evaluate the teachers and the teaching learning process is thus aimed towards academic excellence.

6.5.5 **How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?**

The IQAC follows the criteria of academic evaluation laid down by regulatory authorities like UGC, Government of West Bengal and tries to implement the recommendations of agencies like NAAC. In keeping with the recommendations of the external quality assurance agencies, several measures have been adopted. Please refer to the post-accreditation initiatives in Section-F of this document for details.

The College also maintains the benchmark standards related to management of an institution. The governance structure is marked by increased use of ICT. The College also has a Career Counselling Cell, an anti-ragging Cell, SC-ST Cell, and a Psychological Counselling Cell.

6.5.6 **What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?**

- The College has a strong student feedback mechanism whereby the students can review the classroom performance of the faculties on a number of parameters. These
are looked after by the IQAC and suggestions are communicated to the concerned Departments accordingly.

- Structurally, the teaching-learning process is also reviewed through internally managed academic audits. The performances of the students are scrutinized by the result-review committee. Parents of wards are taken into confidence about the academic performances of the institution.
- Incentives are provided to the students to prevent any dropouts. To check any possible attrition of students from science stream, capacity augmentation drives are taken.
- Library facilities are being upgraded regularly and more and more relevant books and journals are being offered to the student community at large. Even e-learning resources are being made popular through systematic efforts.
- Perhaps as a result of various such drives, the demand for admission in both UG and PG courses has remained at a consistent level. The teacher-student relationship inside the campus also has helped to create an environment of mutual learning.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

- The College communicates its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders through the College website, the mobile application of the College, various media forms, public domain and College prospectus.
- Other outreach programmes are also organized to communicate the quality of the institution to various stakeholders of the Community. Local schools are encouraged to send their students for visiting special laboratory facilities of our College. Various Government agencies are requested to organize socially relevant programmes in partnership with the College.
- Regular wall magazines are published by several Departments for example 'Itihasjaan' by Department of History, 'Open window' by Department of English, 'Ayudh' by Department of Bengali, Anwesha by Department of Chemistry and 'Life-o-Live' by Department of Botany. Contributions are made mainly by the UG and PG students of the departments. These also in a way express the academic quality assurance of the Institution.
Any other relevant information regarding Governance Leadership and Management which the college would like to include.

Leadership qualities are honed with proper opportunities. Decentralized style of functioning in the College inculcates the spirit of leadership among several teachers. It needs to be reiterated here that teachers of this College belong to a wider pool of cadres of West Bengal Education Service (WBES). Administrative functions with respect to higher education in West Bengal are handled by this cadre only. Many teachers of this College have either performed administrative functions directly or on short-time assignments.
CRITERION - VII

INNOVATIONS AND BEST PRACTICES
7.1 Environmental Consciousness

7.1.1 Does the College conduct a Green Audit of its campus?
The College has constituted an “Environment Protection and Nature Cell” comprising Dr. Manju Mandal (Convenor), Dr. Madhumita Manna, Dr. Tanaya Dey and Dr. Debajyoti Chakraborty. The committee is in charge of campus beautification, maintaining a ‘Green Campus’ and of taking initiatives to keep the campus eco-friendly. Initiatives have been taken to conduct a Green Audit in the College Campus.

7.1.2 What are the initiatives taken by the College to make the campus eco-friendly?


The College provides high importance on the cleanliness of the campus as well as on developing a general environmental consciousness among all its stakeholders. For this it follows several programmes such as:

- **Energy conservation**

  Energy conservation is a prerequisite for eco-friendly practices. The concern for energy conservation prevails among both the staff and the students. Special attention is given so that by the end of regular College hours, all electronic and electrical installations are immediately switched off and the devices are unplugged. Use of AC machines is regulated through awareness programme. The use of generators at the time of power cut and that of the emergency power supply is kept at an optimal level. Effort has also been taken to supplant the high energy consuming lamps with modern energy efficient CFL lamps and tubes. The college uses environment friendly and Bureau of Energy Efficiency (BEE) star rated instruments for moderate consumption of energy.
➢ Use of renewable energy

The college is in the process of installing a Solar Panel photo-voltaic system on the roof top of the college building with the initiative of PWD, Electrical wing, Govt. of West Bengal. The Vendor has been selected by PWD, Electrical wing. The final approval from the Government is awaited for the initiation of the work.

➢ Water harvesting

The College has formed a ‘Water Harvesting Committee’ led by Dr. Debajyoti Chakraborty, Department of Zoology. The committee has taken initiative to harvest rain water with the help of State Water Investigation Directorate (SWID), Govt. of West Bengal. The College organized a seminar in collaboration with SWID on 10th February 2015 on this issue. SWID and Agri-Engineering Department, Government of West Bengal has undertaken a feasibility study of rain water harvesting under ‘Jal Dharo Jal Bharo’, a project of Govt. of West Bengal. The report is expected soon.

➢ Check dam construction

The activity is not applicable to the college as it is situated in the heart of a populated district town.

➢ Efforts for Carbon neutrality

- Using Air conditioners at a fixed higher mode in order to reduce emission of greenhouse gases and thereby mitigate agents of climate change.
- Judicious use of electricity in the campus by sensitizing the stakeholders.
- Use of renewable Energy in the form of installation of solar panel photovoltaic system that will result in the reduction of carbon footprint within the college premises.
- Judicious use of Natural Gas by the Departments of Chemistry and Biological Sciences, ensuring minimum purchase of natural gas to mitigate risk tolerance to price changes.
- Management of Environmental Attributes that reduce funds to be used for projects resulting greenhouse gas emissions. These efforts that govern the campus will set procurement strategies involving long-term financial exposure, changes to
pre-determined price caps, or any change in strategy leading to a material impact on cost assumptions.

- Moreover in order to increase the carbon neutrality within the college, initiatives towards regular plantation of trees plays a significant role. Further dead leaves, waste paper, and other waste material are not burnt. These are disposed off as municipal waste.
- A fixed Parking zone for cars (of faculties and visitors) exists in the college. For restraining the problem of carbon emission, vehicle-users have been asked to adhere to BS-IV emission norms and are requested to get their cars checked on a regular basis.

➢ **Plantation**

Tree Plantation programme is held annually by the NSS Unit. The faculty, the staff members and the students participate in this ‘Vanamahotsav’ programme in collaboration with the Forest department of the district. Additionally, the Department of Botany also maintains a Medicinal Plant Garden in the college.

*Photograph 7.1: Tree Plantation ceremony being observed within the College Premises*
Hazardous waste management

- Hazardous waste, which poses a threat to the environment, is primarily generated in the laboratories of the department of Chemistry and biological sciences. As the use of materials causing such waste cannot be avoided as they are mandatory part of the syllabi, earnest care is taken to eliminate the production of hazardous waste or minimize the amount of waste for disposal by recycling, re-using and/or recovering the waste.

- Moreover, primary importance is given to reduce the volume of chemical wastes generated in our laboratories and accordingly the following initiatives have been taken:
  1. Purchase of minimum quantity of hazardous chemicals required for our laboratories.
  2. Sharing surplus chemicals between laboratories of Chemistry and those of biological sciences.
  3. Purchase of mercury-free instruments.
  4. Substituting hazardous chemicals with non-hazardous chemicals whenever possible.
  5. Reducing the scale of laboratory experiments to reduce the volume of wastes being produced as and when possible.

- Apart from these, we have specially constructed a Waste Accumulation Area (WAA) outside the Department of Chemistry to dispose off the waste. The waste is passed through a pipeline to the WAA.

- Non-hazardous wastes, like dead plants and other bio-degradable waste, are collected in a chamber for pre-decomposition and the partially decomposed material is underwent through vermicomposting in the vats and re-cycled as fertilizers for the garden. The College maintains a system of segregating the bio-degradable waste from the non-bio-degradable one by installing separate dustbins in several strategic locations.

- Some dismantled building materials or canteen waste is collected in the Vat for clearance by the local municipality. Therefore, proposed practices address issues such as sustainability, cleaner production, health, safety, and environmental protection.
E-waste management

The different departments of the college take the responsibility to identify all unuseable/irreparable, rejected/discarded electrical and electronic products as e-waste products. These are kept in a separate, isolated, unexposed area, to prevent accidental breakage. In order to minimize such waste and to save resources, we always encourage recycling of all end-of-life useful products and valuable material from e-waste. Vendors are appointed to recycle usable parts of discarded computer sets. Buy-back policy is also employed to manage the waste caused by appliances like photocopiers, AC machine, as an effective mode. Burning of rubber and plastic in the campus and throwing e-waste in municipal vats are strictly prohibited in the college. Care is taken so that toxic material present in e-waste, like batteries, compressors of refrigerators, and CRT monitors do not come in contact with the natural elements.

The condemnation committee of the College organizes an auction so that the waste-material may be handed over to authorized recyclers for proper disposal of e-waste as further insurance of minimum environment pollution.

7.2 Innovations

The Innovations undertaken by the college since the last NAAC peer team visit has been a holistic one, addressing both academic upliftment and administrative improvements.

7.2.1. Provide details of innovations introduced during the last four years which have created a positive impact on the functioning of the College.

- The faculty members and postgraduate students are encouraged to publish research papers in reputed journals. On publication of the same a copy is kept in the Central Library for general circulation.

- The faculty members are encouraged to apply for minor and major research project grants to UGC. They also undertake research projects sanctioned by other authorities such as WBDST, DST, DBT, CSIR etc.

- The College publishes a peer-reviewed academic journal ‘Aureole’ since 2009. It is gaining importance among faculty members as the number of articles published in the journal shows a sharp upward trend. Table below gives an account of this.
• Online transparent admission through SBI e-connect is introduced. It has made the entire process easy and less time-consuming for stakeholders.
• Admission is conducted strictly on the basis of merit and as per government regulations.
• The college has introduced the following software programmes for financial management during the years that have created noticeable impact on the functioning of the college.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Software</th>
<th>Purpose</th>
<th>Developed by</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>COSA</td>
<td>Pay Roll</td>
<td>NIC</td>
</tr>
<tr>
<td>2</td>
<td>E-Pradan</td>
<td>Accounting system</td>
<td>CMC</td>
</tr>
<tr>
<td>3</td>
<td>SBI e-connect linked e-fill up</td>
<td>Online admission</td>
<td>ITS</td>
</tr>
</tbody>
</table>

• The Central Library of the college has been upgraded with the installation of the following software.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Software</th>
<th>Purpose</th>
<th>Developed by</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>LibSys</td>
<td>Digital cataloguing</td>
<td>LibSys</td>
</tr>
<tr>
<td>2</td>
<td>Inflibnet</td>
<td>Surfing for journals and periodicals</td>
<td>UGC</td>
</tr>
</tbody>
</table>

• The College library has an arrangement for preservation of rare books, documents and valuable office records. It is done by Fumigation chamber treatment, lamination and digitization technique, as per necessity.
Career Counselling Cell has been established which organizes seminars and invited talks by specialists. PG and UG students have received a special grooming session in 2014-15 Session, which has been immensely helpful for their further advancement in career.

In order to stay relevant with time the College is going to unveil “Web linked Mobile Android App” that would help in the seamless dissemination of information among all stakeholders for academic and administrative purposes.

The College pays close attention to the needs of the physically challenged students. Ramps and rails have been constructed in both the Main and Annex buildings in the college for the physically challenged persons and a specialized toilet for them has also been constructed. Provision for a wheelchair has also been made.

7.3 Best Practices

7.3.1. Give details of any two best practices which have contributed to better academic and administrative functioning of the College.

BEST PRACTICE- I

1. Title of the Practice: Teaching-learning enhancement through continuous evaluation and innovative practices/methods

2. Objectives of the Practice:
   The teaching-learning-evaluation has foremost importance in achieving academic excellence of an institute. An institute is known by its high quality of teaching.

3. Intended Outcome
   - Achieving a high quality teaching-learning system enhanced by the regular internal academic audit.
   - Providing a quality education to each and every student so that he/she can contribute remarkably in the field of higher education as well as for social wellbeing.
   - Making the students well acquainted with the modern tools of higher learning and to generate within them an interest for research and pursuit of academic excellence.
4. **The Context**
Barasat Government College is a pioneering educational institute in the district of North 24 Parganas. Being located in the District Head Quarter, it draws the attention of a large student population, a considerable percentage of whom hail from the minorities and economically backward communities of society. Under the circumstance, the college needs to build up an inclusive system so that the first or second generation learners can get maximum benefit from the Institution. Moreover, the college runs four post graduate departments. Therefore, it is imperative to maintain qualitative excellence in teaching-learning and research methodology.

5. **Practice**
Counselling, guidance and orientation for the students and their parents seeking admission to the college is conducted by the teachers.

- A feedback based teaching-learning-evaluation system by the principal stakeholders of the college has been developed. Three types of such evaluations are in vogue. These are-
  i) Evaluation of each teacher by the students.
  ii) Evaluation of the College by the students.
  iii) Evaluation of the College by the parents of the students.

Feedbacks are analyzed regularly and statistically and the outcomes are circulated among the teachers and other concerned personnel for their awareness and improvement.

- The Internal Academic Audit is conducted at the end of each academic year. The outcome is discussed with the Faculty members. If any short-fall is detected the concerned teacher is intimated about the same. Corrective measures are taken whenever required.
- Projector-based teaching in E-class rooms is in practice in most of the departments.
- Study tour/educational excursion of students of different departments as extra-curricular programmes and preparation of report in the form of videography etc. are carried out by the students.
- Both at the UG and PG level participative learning, interactive sessions, student seminars, case studies, project work, assignments, problem-solving exercises, practical/field work and use of audio-visual teaching aids are regularly practiced.
- UGC funded remedial courses for SC, ST, OBC and minorities are conducted. The details are given below.

<table>
<thead>
<tr>
<th>Subject</th>
<th>2010-2011 Fund Allocated (Recurring) Rs.1,00,000/-</th>
<th>2011-2012 Fund Allocated (Recurring) Rs.4,20,000/-</th>
<th>2012-2013 Fund Allocated (Recurring) Rs.1,50,000/-</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number of classes held</td>
<td>Number of classes held</td>
<td>Number of classes held</td>
</tr>
<tr>
<td>English</td>
<td>UG 30</td>
<td>PG 80</td>
<td>UG 35</td>
</tr>
<tr>
<td>Geography</td>
<td>UG 35</td>
<td>PG 146</td>
<td>UG 35</td>
</tr>
<tr>
<td>History</td>
<td>UG 35</td>
<td>PG 179</td>
<td>UG 50</td>
</tr>
<tr>
<td>Philosophy</td>
<td>UG 30</td>
<td>PG 100</td>
<td>UG 30</td>
</tr>
<tr>
<td>Political Science</td>
<td>UG 25</td>
<td>PG 30</td>
<td>UG 30</td>
</tr>
<tr>
<td>Sanskrit</td>
<td>UG 20</td>
<td>PG 95</td>
<td>UG 30</td>
</tr>
<tr>
<td>Botany</td>
<td>UG 40</td>
<td>PG 20</td>
<td>UG 141</td>
</tr>
<tr>
<td>Chemistry</td>
<td>UG 50</td>
<td>PG 100</td>
<td>UG 40</td>
</tr>
<tr>
<td>Mathematics</td>
<td>UG 30</td>
<td>PG 80</td>
<td>UG 25</td>
</tr>
<tr>
<td>Physics</td>
<td>UG 20</td>
<td>PG 10</td>
<td>UG 14</td>
</tr>
<tr>
<td>Zoology</td>
<td>UG 30</td>
<td>PG 20</td>
<td>UG 140</td>
</tr>
<tr>
<td>Total</td>
<td>UG 345</td>
<td>PG 50</td>
<td>UG 1071</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2013-2014 (Fund yet to be received)</th>
<th>2014-2015 (Fund yet to be received)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of classes held</td>
<td>Number of classes held</td>
</tr>
<tr>
<td>UG 30</td>
<td>PG 40</td>
</tr>
</tbody>
</table>

- The College, in partnership with NIELIT Computer centre, provides mandatory basic computer training course to the students, to improve their soft skills.

- Apart from the college Central library, all the departments have their own Seminar libraries to provide a space for students to carry out their intensive studies. Internet access points at several locations supplements the self-learning needs of the students.

- Most of the departments organize invited lectures/talks regularly.

- Project, dissertation, students' seminar are mandatory in the PG programmes. These are also conducted in the under graduate programmes, which helps in inculcating and maintaining a research culture.

- Hands-on training of different instruments, gadgets and software is imparted to both PG and UG students.
6. **Evidence of Success**

- Students’ performances in the University Examinations are remarkably good. Most of the University toppers are students of this institution.
- Study has revealed that Students prefer this College over the nearest University for pursuing their post-graduation courses because of its –
  (i) proficient teaching (ii) excellent infrastructure (iii) prime location.

The evidence of success of the students in the University examinations are as follows:

![Result analysis of BA students](image1)

![Result analysis of BSc students](image2)
X – axis  \(\rightarrow\) The Academic Years

Y – axis  \(\rightarrow\) The % relative to the No. of candidates appeared in the Examination.

\[\text{\% of the students passed in the Examination.}\]

\[\text{\% of the students who have secured First Class.}\]
A large number of girl students from the minority community graduates from the College every year. It is a good evidence of providing higher education to the first-generation learners from the Minority sections.

7. **Problems encountered and Resources required**

- For infrastructural development dependence on PWD for civil and electrical works.
- Dependence on Govt. resources/funds.
- More e-class rooms need to be developed.
- As it is a Government college, the scope of Fund generation is limited.
- Discontinuation of programmes by students, especially in the science departments, affects the teaching-learning methodology considerably. This occurs as many students leave if they succeed in the JEE, IIT, Medical and similar competitive examinations. Students leaving the programmes in mid-session affects the consistency of the teaching process.
- A good number of students are first generation learners, who come from economically as well as socially backward sections. At times they find it difficult to cope with the demands of higher education.
- Routine transfer of teachers highly affects the continuation/consistency of the teaching-learning-evaluation system.

**BEST PRACTICE- II**

1. **Title of the Practice:** Protection of environment and practicing ecological inclusion.

The Institution holds environmental ethics in high regard and wishes to achieve through all its practices a holistic response to the problem of environmental degradation.

2. **Objectives of the Practice**

The main aim of Environment Protection and Nature Cell is to encourage the young students to be aware and actively participate in actions connected with the conservation of nature, while considering its utilitarian value, and to make them aware of the ill effects of environmental degradation and ecological imbalance.
3. **The Context**

The hazards emanating from exploiting the environment is an undeniable reality of the present time. Under the circumstances, propaganda towards a general awareness about nature is not sufficient, but extensive environment related activities are needed. The College is situated in the heart of the town. The cleanliness of the campus, beautification and keeping it free from pollution are imperatives. In addition, the college must play a role in generating environmental consciousness in the region.

4. **Intended Outcome**

- To create environment awareness among the students and staff of the college.
- To deliver consultancy services to local agricultural and fish farmers for eco-friendly use of their land and pond. For example, scientific treatment of pond situated inside the ‘Kishalay Home’ for boys, adjacent to the college.
- Provide consultancy services to the local civic bodies for disposal of waste material of the city market and areas and for the protection of nature in the surrounding areas.
- Steps are constantly taken to create an eco-friendly campus.
- To provide consultancy on different Health issues (spread of malaria, testing of Thalassemia) to the community by organizing medical camps.
- Consultancy services towards different ‘Animal Support’ groups.

5. **Practice**

An ‘Environment Protection and Nature Cell’ was established in the year 2013 and Dr. Manju Mandal (*Executive committee member of The Calcutta Society for Prevention of Cruelty to Animals, Member of World Wide Fund for Nature, Advisory Member of Animal Support Group, Dum Dum*), Associate Professor of Bengali was nominated as its convenor.
The committee along with Successor’s Elevating Forum organized an awareness programme related to Safe handling/usage/saving of LPG domestic Gas on 19.08.2013. An interactive session and a Quiz Competition was also held after the programme.

Honorable Speakers were:-
1. Mr. Prasun Kumar Roy; Secretary, Successor’s Elevating Forum.
2. Mr. P.K. Ghosh; Sales Manager, Indane LPG domestic Gas.

   No. of Participant Students: - 51
   No. of Participant Teachers: - 05

The committee instills awareness among the youngsters through day to day actual practice and observance like conservation of water, energy (electricity), proper use of waste bins etc.

The ‘Solid Green waste’ generated within the College is decomposed by the vermicomposting method under the supervision of Dr. D Chakraborty, Senior Faculty of the department of Zoology.

The NSS unit of the college organizes Thalassemia detection test for students and teachers in collaboration with School of Tropical Medicine, Kolkata.

Blood donation camps are organized by the Students’ Union and the NSS unit of the college.
• The NSS unit of the college provides social service as outreach activity to the nearby Kishalaya Home for the children, run by the Govt. of West Bengal.

• The NSS unit of the college organized an awareness programme on “Protection of Child Rights” in collaboration with West Bengal Commission for protection of child rights.

6. **Evidence of Success**

• In the years 2013 and 2014, the College in collaboration with Calcutta National Medical College organized Kala-azar Detection Camp led by Dr. Madhumita Manna, Associate Professor of Zoology. The purpose of the camp was to cater to the poor people of the Kala-azar endemic zones of West Bengal and adjoining Jharkhand state in the form of check up for detection of Kala-azar among them. In 2013, the team organized the camps at Maheshtala (Birbhum) and Pakuria (Jharkhand) in collaboration with Lion’s Club of Murarai and Lion’s Club of Rampurhat. Next year, camps were organized in collaboration with another NGO at Beroil, Kushmandi, Dakshin Dinajpur, Maheshtala (Birbhum), Hatiara Missionary School (Birbhum), Rajgram Battala (Birbhum) and Pakuria (Jharkhand) for awareness of the local people and for detecting new pockets of Kala-azar. Dr. Anjan Kumar Das, Associate Professor, Calcutta National Medical College was an important member of the team.

*Photograph 7.3: Beroil Camp, Kushmandi, Dakshin Dinajpur District on 24th March, 2014*
The College has delivered expert consultancy services for nature protection, e.g. the DFO of North 24 Parganas and a local NGO sought expert view to preserve old road side rain trees in the district. Teachers of the College, led by the Head of the Department of Botany, gave detailed report to the district authority in due course.

Barasat Government College adopts a scientific as well as a humanitarian approach towards the problem of stray dogs. Camps were organized to de-worm a number of these dogs for the purpose of ABC (Animal Birth Control) and such mongrels were vaccinated accordingly. The vaccination camp for the remaining stray dogs is a regular feature of the college. All the neighboring dogs are sterilized under the careful monitoring of our ‘Environment Protection and Nature Cell’. These dogs have all been returned to their original environment after the ABC programme as per norms (Animal Birth Control: Dogs control rules GSR 816(E), dated 2nd November 2001 of the Prevention of Cruelty to Animal Act 1960 vide notification of Ministry of Culture, Government of India). Three of them were operated by Love & Care NGO on 23rd July 2014 and other two were operated by Animal Support Group Society on 15th October 2014. As they are vaccinated against Rabies and other diseases; they are now familiar, friendly, healthy and harmless.
7. **Problems encountered and Resources required**

- Due to the work load for teaching and research, the faculty members find it difficult to spend more quality time in such social outreach services.
- There exists a lack of consciousness regarding environmental matter even among the educated mass. Therefore, a constant effort is required to spread the environmental message and awareness.
- These activities can be accelerated even more, if a handsome Government fund is available and if the local civic bodies come forward to assist us in greater measure.

8. **Contact Details**

- **Name of the Principal**: Dr. Subhasis Dutta
- **Name of the Institution**: Barasat Government College  
  **City**: Barasat, West Bengal
- **Pin Code**: 700124
- **Accredited Status**: NAAC Cycle-I Accreditation (2009): “B” Grade (CGPA: 2.60)
- **Work Phone**: 033-25523365  
  **Fax**: 033-25625053
- **Website**: www.bgc.org.in  
  **E-mail**: sdutta7160@gmail.com
- **Mobile**: 9433563658
PART-E

EVALUATIVE REPORTS OF THE DEPARTMENTS
1. **DEPARTMENT OF BENGALI**

1. Name of the department: Bengali
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters, Integrated Ph.D., etc.):
   UG (BA Bengali Hons and Bengali Gen Course)
   PG (Bengali)
4. Names of Interdisciplinary courses and the departments/ units involved:
   None
5. Annual/ semester/ choice based credit system (programme wise):
   B.A. Bengali Honours: Annual Examinations (Part I, Part II and Part III)
   M.A. Bengali: Semester System (1st, 2nd, 3rd, 4th Semester + internal assessment)
6. Participation of the department in the courses offered by other departments:
   Bengali is offered as a general Subject for the following Honours Subjects: - English, History, Political Science, Sanskrit and Philosophy
   Bengali is also offered as a subject in the B.A. General Course, in the morning section.
7. Courses in collaboration with other universities, industries, foreign institutions, etc.:
   None
8. Details of courses/ programmes discontinued (if any) with reasons:
   None
9. Number of teaching posts:

<table>
<thead>
<tr>
<th>POSTS</th>
<th>SANCTIONED</th>
<th>FILLED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor¹</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>08</td>
<td>03</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>03</td>
<td>03</td>
</tr>
</tbody>
</table>

¹ The post has been transferred temporarily from the Department of Zoology.
10. Faculty profile with name, qualification, designation, specialization (D.Sc/ D.Litt./ Ph.D./ M.Phil. etc.):

<table>
<thead>
<tr>
<th>NAME</th>
<th>QUALIFICATION</th>
<th>DESIGNATION</th>
<th>SPECIALISATION</th>
<th>No. of YEARS EXPERIENCE</th>
<th>No. OF PhD STUDENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A) CURRENT FULL TIME FACULTY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Dilip Kumar Naha</td>
<td>Ph.D.</td>
<td>Professor</td>
<td>Drama, Linguistics</td>
<td>32 Years</td>
<td>3</td>
</tr>
<tr>
<td>Dr. Manju Mandal</td>
<td>Ph.D.</td>
<td>Associate Professor</td>
<td>Tagore Literature</td>
<td>29 years</td>
<td>0</td>
</tr>
<tr>
<td>Dr. Rita Ghosh</td>
<td>Ph.D.</td>
<td>Associate Professor</td>
<td>Folk Culture and Literature</td>
<td>22 years</td>
<td>0</td>
</tr>
<tr>
<td>Sri Sandip Kumar Patra</td>
<td>M.A. Regd. for Ph.D. in 2009</td>
<td>Associate Professor</td>
<td>Comparative Literature</td>
<td>24 Years</td>
<td>0</td>
</tr>
<tr>
<td>Sri Manas Kundu</td>
<td>M.A.</td>
<td>Assistant Professor</td>
<td>Literary theory and Comparative Literature</td>
<td>14 years</td>
<td>0</td>
</tr>
<tr>
<td>Md. Abdur Rafik Sardar</td>
<td>M.A. M.Phil.</td>
<td>Assistant Professor</td>
<td>Comparative Literature</td>
<td>08 years</td>
<td>0</td>
</tr>
<tr>
<td>Smt. Piali Khan</td>
<td>M.A.</td>
<td>Assistant Professor</td>
<td>Medieval Literature</td>
<td>11 months</td>
<td>0</td>
</tr>
</tbody>
</table>

| **B) FULL TIME FACULTY TRANSFERRED (Since October 2010)** |               |                       |                                       |                         |                      |
| Dr. Sudakshina Ghosh        | Ph.D.         | Associate Professor   | Folk literature                       | 19 yrs.                 | 0                    |
| Sri Kusalaya Jana           | M.A. Regd. For Ph.D. | Assistant Professor | Comparative Literature                | 14 yrs.                 | 0                    |
| Dr. Tarun Kanti Roy         | Ph.D.         | Associate Professor   | Novel and short stories               | 29 years                | 2                    |
| Dr. Tapasree Chattopadhyay  | M.A. Ph.D.    | Associate Professor   | Linguistics                           | 28 years                | 0                    |
| Smt. Debjani Sengupta       | M.A.          | Assistant Professor   | Comparative Literature                | 14 yrs.                 | 0                    |
| Sri Sumanta Mukhopadhyay    | M.A.          | Assistant Professor   | Comparative Literature                | 14 years                | 0                    |
| Dr. Rupa Banerjee           | M.A. Ph.D.    | Associate Professor   | Linguistics                           | 29 Years                | 0                    |
### e) PART-TIME FACULTY/GUEST FACULTY (Day)

<table>
<thead>
<tr>
<th>NAME</th>
<th>QUALIFICATION</th>
<th>DESIGNATION</th>
<th>SPECIALISATION</th>
<th>No. of YEARS EXPERIENCE</th>
<th>No. OF Ph. D STUDENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smt. Aparna Dhar</td>
<td>M.A.</td>
<td>Part Time Teacher</td>
<td>Tagore Literature</td>
<td>06 years</td>
<td>0</td>
</tr>
<tr>
<td>Smt. Paramita Chaudhury</td>
<td>M.A.</td>
<td>Part Time Teacher</td>
<td>Folk culture and Literature</td>
<td>06 years</td>
<td>0</td>
</tr>
<tr>
<td>Smt. Paramita Bhattacharya</td>
<td>M.A.</td>
<td>Part Time Teacher</td>
<td>Linguistics</td>
<td>05 Years</td>
<td>0</td>
</tr>
<tr>
<td>Smt. Shatabdi Sadhu</td>
<td>M.A.</td>
<td>Part Time Teacher</td>
<td>Modern Literature</td>
<td>06 years</td>
<td>0</td>
</tr>
<tr>
<td>Sri. Amitava Ghosh</td>
<td>M.A.</td>
<td>Retired. Assistant Professor</td>
<td>Tagore Literature</td>
<td>Post Retirement Service in Barasat Govt. College 7years</td>
<td>0</td>
</tr>
</tbody>
</table>

### d) PART-TIME FACULTY/GUEST FACULTY (Morning)

<table>
<thead>
<tr>
<th>NAME</th>
<th>QUALIFICATION</th>
<th>DESIGNATION</th>
<th>SPECIALISATION</th>
<th>No. of YEARS EXPERIENCE</th>
<th>Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smt. Swati Paul</td>
<td>M.A.</td>
<td>Part Time Teachers</td>
<td>Modern fiction</td>
<td>12 years</td>
<td>All P.G. students</td>
</tr>
<tr>
<td>Smt. Tanusree Das</td>
<td>M.A.</td>
<td>Part Time Teachers</td>
<td>Modern Literature</td>
<td>07 Years</td>
<td></td>
</tr>
<tr>
<td>Smt. Sonali Pal</td>
<td>M.A.</td>
<td>Part Time Teachers</td>
<td>Folk Literature</td>
<td>05 Years</td>
<td></td>
</tr>
</tbody>
</table>

### 11. List of senior visiting faculty:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the Resource Person / Group</th>
<th>Date</th>
<th>Topic</th>
<th>Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Rajashri Bhattacharya</td>
<td>18.03.2014</td>
<td>Rabindranather Gaan O Raktakarabi</td>
<td>All P.G. students</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Nrisingha Prasad Bhaduri</td>
<td>12.11.2014</td>
<td>Megdhoot</td>
<td>Bengali whole Dept.</td>
</tr>
<tr>
<td>3</td>
<td>Aharnish Patrika goshthi</td>
<td>12.11.2014</td>
<td>Megdoot Path sanchalana</td>
<td>Bengali whole Dept.</td>
</tr>
<tr>
<td>4</td>
<td>Pabitra Sarkar</td>
<td>28.11.2014</td>
<td>Bengali Drama</td>
<td>All P.G. students</td>
</tr>
</tbody>
</table>
12. Percentage of lectures delivered by temporary faculty: PER WEEK

<table>
<thead>
<tr>
<th>Name of temporary faculty with Qualification</th>
<th>Designation</th>
<th>Prog. Academic Session Taught</th>
<th>Total No. of classes in the Dept. Routine (PER WEEK)</th>
<th>Total No. of classes taught by temporary faculty (PER WEEK)</th>
<th>Percentage of lectures delivered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sri Amitabha Ghosh</td>
<td>Part-time Faculty</td>
<td>P.G &amp; Hon. + Gen</td>
<td>2011-12 141 9 150 8 - 8</td>
<td>5.33%</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2012-13 140 8 148 8 - 8</td>
<td>5.40%</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2013-14 141 9 150 8 - 8</td>
<td>5.33%</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2014-15 140 9 149 8 - 8</td>
<td>5.36%</td>
<td></td>
</tr>
<tr>
<td>Smt. Paramita Bhattacharya</td>
<td>Part-time Faculty</td>
<td>P.G &amp; Hon. + Gen</td>
<td>2011-12 141 9 150 11 1 12</td>
<td>8.00%</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2012-13 140 8 148 11 2 13</td>
<td>8.78%</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2013-14 141 9 150 10 2 12</td>
<td>8.00%</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2014-15 140 9 149 12 1 13</td>
<td>8.72%</td>
<td></td>
</tr>
<tr>
<td>Smt. Paramita Choudhury</td>
<td>Part-time Faculty</td>
<td>P.G &amp; Hon. + Gen</td>
<td>2011-12 141 9 150 9 1 10</td>
<td>6.66%</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2012-13 140 8 148 9 2 11</td>
<td>7.43%</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2013-14 141 9 150 9 2 11</td>
<td>7.33%</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2014-15 140 9 149 8 2 10</td>
<td>6.71%</td>
<td></td>
</tr>
<tr>
<td>Smt. Shatabdi Sadhu</td>
<td>Part-time Faculty</td>
<td>P.G &amp; Hon. + Gen</td>
<td>2011-12 141 9 150 8 2 10</td>
<td>6.66%</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2012-13 140 8 148 9 2 11</td>
<td>7.43%</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2013-14 141 9 150 8 2 10</td>
<td>6.66%</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2014-15 140 9 149 9 2 11</td>
<td>7.37%</td>
<td></td>
</tr>
<tr>
<td>Smt. Aparna Dhar</td>
<td>Part-time Faculty</td>
<td>P.G &amp; Hon. + Gen</td>
<td>2011-12 141 9 150 7 2 9</td>
<td>6.00%</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2012-13 140 8 148 9 1 10</td>
<td>6.75%</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2013-14 141 9 150 9 1 10</td>
<td>6.66%</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2014-15 - - - - -</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>
13. Student-Teacher Ratio (programme wise):

<table>
<thead>
<tr>
<th>Academic Session</th>
<th>Programme</th>
<th>No. of Students</th>
<th>No. of Teachers (at the beginning of Session)</th>
<th>Student: Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-2011</td>
<td>UG Hons.</td>
<td>200</td>
<td>10</td>
<td>20:1</td>
</tr>
<tr>
<td>2011-2012</td>
<td>UG Hons.</td>
<td>210</td>
<td>9</td>
<td>23:1</td>
</tr>
<tr>
<td>2012-2013</td>
<td>UG Hons.</td>
<td>215</td>
<td>10</td>
<td>22:1</td>
</tr>
<tr>
<td>2013-2014</td>
<td>UG Hons.</td>
<td>220</td>
<td>12</td>
<td>18:1</td>
</tr>
<tr>
<td>2014-2015</td>
<td>UG Hons.</td>
<td>206</td>
<td>12</td>
<td>17:1</td>
</tr>
</tbody>
</table>

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

<table>
<thead>
<tr>
<th>Post</th>
<th>Sanctioned</th>
<th>Filled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic support staff (technical)</td>
<td>0</td>
<td>1*</td>
</tr>
<tr>
<td>Administrative staff</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

* Mrs. Arpita Das has been acting as support staff on Daily Rate Basis in Bengali Dept. since 3rd November 2009.

15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:

<table>
<thead>
<tr>
<th>Highest Qualification</th>
<th>No. of Teaching Faculty (Existing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>D.Sc./D.Litt.</td>
<td>Nil</td>
</tr>
<tr>
<td>Ph.D.</td>
<td>3</td>
</tr>
<tr>
<td>M. Phil.</td>
<td>1</td>
</tr>
<tr>
<td>PG</td>
<td>3</td>
</tr>
</tbody>
</table>

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: None

17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc. and total grants received: None

18. Research Centre / facility recognized by the University: None

19. Publications:

Total No. of Publications of the teachers of the Department during the teachers’ tenure (2010-15) at Barasat Government College) = 43

Publications details of Faculty: Detailed information has been given in Annexure -1
20. Areas of consultancy and income generated:
A) A proposal has been received from a neighbouring Children-Home “Kishalaya” for grooming their children in all kinds of Cultural activities of the Home (such as poem recitation, staging dance drama, songs, drawing, etc.). We are ready for extending our expertise totally free of cost. The teachers have expressed their willingness in this regard.

21. Faculty as members in
a) National committees b) International Committees c) Editorial Boards d) other organizations

<table>
<thead>
<tr>
<th>NAME OF FACULTY</th>
<th>National committees/International Committees/Editorial Boards</th>
<th>Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. Dilip Kr. Naha</td>
<td>1) Member of Executive Council of West Bengal State University. 2) Member of PG-BOS of West Bengal State University &amp; other seven Colleges.</td>
<td></td>
</tr>
<tr>
<td>Dr. Manju Mandal</td>
<td>Member of Editorial Board, AUREOLE (Academic Journal of Barasat Govt. College)</td>
<td>1) Member of World Wide Fund for Nature India 2. Executive Committee Member of The Calcutta Society for prevention of cruelty to animals.</td>
</tr>
<tr>
<td>Md Abdur Rafik Sardar</td>
<td></td>
<td>1) Member, UG-BOS of West Bengal State University 2) Member, Syllabus Committee of West Bengal Madrasa Board</td>
</tr>
</tbody>
</table>

22. Student projects: see Annexure 1
b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies: None

23. Awards/Recognitions received by faculty and students: None

24. List of eminent academicians and scientists/visitors to the department:
A) Prof. Pabitra Sarkar, Former Vice-Chancellor of Rabindra Bharati University.
B) Prof. Pinakesh Sarkar
C) Prof. Nrisinghaprasad Bhadhuri, Rtd. Professor, Scholar of Indian Epics & Purans
D) Dr. Rajashree Bhattacharya: Associate Professor of Bengal Music College, Calcutta University.
25. Seminars/Conferences/Workshops organized & the source of funding
a) National: Nil

b) International: Nil

26. Student profile programme/ course wise:

<table>
<thead>
<tr>
<th>Name of the Course/programme</th>
<th>Applications received</th>
<th>Selected</th>
<th>Enrolled</th>
<th>Pass percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012-2013 UG Hons.</td>
<td>949</td>
<td>63</td>
<td>17</td>
<td>80%</td>
</tr>
<tr>
<td>2013-2014 UG Hons</td>
<td>1174</td>
<td>72</td>
<td>19</td>
<td>80%</td>
</tr>
<tr>
<td>2014-2015 UG Hons</td>
<td>1074</td>
<td>71</td>
<td>24</td>
<td>--</td>
</tr>
<tr>
<td>2015-2016 UG Hons</td>
<td>2566</td>
<td>71</td>
<td>25</td>
<td>--</td>
</tr>
</tbody>
</table>

*M = Male  *F = Female

27. Diversity of Students:

<table>
<thead>
<tr>
<th>Name of the Course</th>
<th>% of students from the same state</th>
<th>% of students from other States</th>
<th>% of students from abroad</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG Bengali Hons.</td>
<td>100%</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>PG course in Bengali</td>
<td>100%</td>
<td>0%</td>
<td>0%</td>
</tr>
</tbody>
</table>

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.

<table>
<thead>
<tr>
<th>Name of the Competitive Examination</th>
<th>No. of students passed (in last five years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>School Service Commission</td>
<td>07 (data incomplete)</td>
</tr>
<tr>
<td>Kolkata Police lady constable</td>
<td>01</td>
</tr>
</tbody>
</table>

29. Student progression: (2011-2015)

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Against % enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td>80%</td>
</tr>
<tr>
<td>PG to M. Phil.</td>
<td>Data not available</td>
</tr>
<tr>
<td>PG to Ph. D.</td>
<td>Data not available</td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td>Data not available</td>
</tr>
<tr>
<td>Employed</td>
<td>--</td>
</tr>
<tr>
<td>• Campus selection</td>
<td></td>
</tr>
<tr>
<td>• Other than campus recruitment</td>
<td></td>
</tr>
<tr>
<td>Entrepreneurship/ Self-employment</td>
<td>---</td>
</tr>
</tbody>
</table>
30. Details of Infrastructural facilities

a) **Library**: The Departmental Seminar library is very rich. The students are allowed to issue two books at a time. There is also a well-decorated reading room with a computer with internet facilities.

b) **Internet facilities for Staff & Students**: Two Desk-top computers have been set up for staff & students.

c) **Class rooms with ICT facility**: One

d) **Laboratories**: Nil

31. Number of students receiving financial assistance from college, university

<table>
<thead>
<tr>
<th>Year</th>
<th>Full-free Studentship</th>
<th>Half-free Studentship</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-12</td>
<td>20(M-9, F-11)</td>
<td>15(M-3, F-12)</td>
</tr>
<tr>
<td>2012-13</td>
<td>21(M-10, F-11)</td>
<td>16(M-4, F-12)</td>
</tr>
<tr>
<td>2013-14</td>
<td>3(M-0, F-3)</td>
<td>17(M-5,F12)</td>
</tr>
<tr>
<td>2014-15</td>
<td>12(M-2, F-10)</td>
<td>13(M-4, F-9)</td>
</tr>
</tbody>
</table>

M= Male, F= Female

32. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts:

<table>
<thead>
<tr>
<th>Student Enrichment Programme</th>
<th>Held on</th>
<th>Title</th>
<th>Funding Agency</th>
<th>External Expert/Resource Person/ Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Workshop</strong></td>
<td>02.12.14</td>
<td>Folk Song of Bengal</td>
<td>PG Department of Bengali And District Information &amp; Cultural Affairs</td>
<td>UJAN – A group of Folk Band</td>
</tr>
<tr>
<td></td>
<td>18.03.14</td>
<td>Rabindranather Gaan O Raktakarabi</td>
<td>PG Department of Bengali</td>
<td>Dr. Rajashree Bhattacharya Associate Professor of Bengal Music College, Calcutta University.</td>
</tr>
<tr>
<td></td>
<td>12.11.14</td>
<td>Megdhoot</td>
<td>PG Department of Bengali</td>
<td>Dr. Nrisingha Prasad Bhaduri Rtd. Professor, Scholar Of Indian Epics &amp; Purans</td>
</tr>
<tr>
<td></td>
<td>12.11.14</td>
<td>Megdoot Path sanchalana</td>
<td>PG Department of Bengali</td>
<td>Aharnish Patrika Goshthi- A Group Of Little Magazine</td>
</tr>
<tr>
<td></td>
<td>13.11.14</td>
<td>Romance &amp; Novel</td>
<td>PG Department of Bengali</td>
<td>Dr. Bishwajit Roy Associate Professor of Visva Bharati University</td>
</tr>
<tr>
<td></td>
<td>28.11.14</td>
<td>Bengali Drama</td>
<td>PG Department of Bengali</td>
<td>Prof. Pabitra Sarkar Former Vice-Chancellor of Rabindra Bharati University.</td>
</tr>
</tbody>
</table>
33. **Teaching methods adopted to improve student learning:**
   A) Apart from Class-room teaching with conventional method with ‘Chalk & Talk’ the teachers are also using O.H.P for creating interest
   B) Tutorial classes, class tests are being frequently arranged
   C) The teachers have been arranging educational tours to neighbouring places which have much historical & literary significance.
   D) Film-shows are arranged if and when necessary
   E) work-shops with many Resource persons are arranged time to time.

34. **Participation in Institutional Social Responsibility (ISR) and Extension activities:**
   One teacher of this Department has been acting as coordinator of the NSS unit of this College. Almost all the students of Bengali Dept. are involved with it.

35. **SWOC analysis of the department and Future plans:**

<table>
<thead>
<tr>
<th>Strengths</th>
<th>Weaknesses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. A good number of meritorious students are admitted in this Department every year. The demand for admission is very high. The ratio of no. of seats and no. of application is 1:32</td>
<td>1) So many poor &amp; backward-class students come from remote areas every year. They are devoid of their basic requirements. Some students are struggling for their livelihood. These cases are very challenging to us. No doubt, we extend our all possible help to them.</td>
</tr>
<tr>
<td>2. Rich Faculty of experienced teachers and new Fresher young bright teachers with various specialization</td>
<td></td>
</tr>
<tr>
<td>3. Sufficient class rooms and a separate Dept. premise</td>
<td></td>
</tr>
<tr>
<td>5. Very good result of the students with high positions in Final exams of W.B.S.U.</td>
<td></td>
</tr>
</tbody>
</table>

**Future plans:**

1. Introducing coaching classes for NET/ SET/SSC/WBCS candidates in Bengali
2. Publication of Departmental Journal
3. Introducing common programme in collaboration with all Language Departments (eg. English and Sanskrit).
2. DEPARTMENT OF BOTANY

1. Name of the department: BOTANY

2. Year of Establishment: 1978 (Biology); 1996 (Botany Honours); 2003 (M.Sc. Botany)

3. Names of Programmes / Courses offered (UG, PG, M. Phil., Ph.D., Integrated Masters, Integrated Ph.D., etc.):
   UG: B.Sc. Botany Honours and Botany General
   PG: M.Sc. Botany

4. Names of Interdisciplinary courses and the departments/ units involved: Nil

5. Annual/ semester/ choice based credit system (programme wise):
   B.Sc. Botany Honours: Annual Examinations (Part I, Part II and Part III);
   M.Sc. Botany: Semester Examinations (Sem I, Sem II, Sem III & Sem IV)

6. Participation of the department in the courses offered by other Departments:
   Botany is offered as a General Subject for Zoology Honours.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: N.A.

8. Details of courses/ programmes discontinued (if any) with reasons: N.A.

9. Number of Teaching Posts:

<table>
<thead>
<tr>
<th>POSTS</th>
<th>SANCTIONED</th>
<th>FILLED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>09</td>
<td>03</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>09</td>
<td>06</td>
</tr>
</tbody>
</table>
10. A. Faculty profile with name, qualification, designation, specialization (D.Sc./ D.Litt./ Ph.D./ M.Phil., etc.):

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>Experience</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. Timir Baran Jha</td>
<td>Ph. D.</td>
<td>Professor (WBSES)</td>
<td>Cytogenetics and Plant Biotechnology</td>
<td>34+ years</td>
</tr>
<tr>
<td>(Retired in June, 2014)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prof. Jukta Adhikari</td>
<td>Ph. D.</td>
<td>Professor (WBSES)</td>
<td>Plant Physiology and Biochemistry</td>
<td>30 years</td>
</tr>
<tr>
<td>(Joined in July, 2015)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Partha Roy</td>
<td>Ph. D.</td>
<td>Associate Professor (WBES)</td>
<td>Palaeobotany</td>
<td>30 years</td>
</tr>
<tr>
<td>(Transferred on 15.06.2015)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Kunal Sen</td>
<td>Ph. D.</td>
<td>Associate Professor (WBES)</td>
<td>Plant Physiology and Biochemistry</td>
<td>28 years</td>
</tr>
<tr>
<td>Dr. Nirmalendu Das</td>
<td>Ph. D.</td>
<td>Associate Professor (WBES)</td>
<td>Microbiology</td>
<td>18 years</td>
</tr>
<tr>
<td>Sri Benudhar Mandal</td>
<td>M.Sc.</td>
<td>Associate Professor (WBES)</td>
<td>Microbiology</td>
<td>16 years</td>
</tr>
<tr>
<td>Dr. Narayan Chandra Karmakar</td>
<td>Ph. D.</td>
<td>Assistant Professor (WBES)</td>
<td>Ecology</td>
<td>14 years</td>
</tr>
<tr>
<td>Dr. Saikat Naskar</td>
<td>Ph. D.</td>
<td>Assistant Professor (WBES)</td>
<td>Taxonomy of Angiosperms</td>
<td>12 years</td>
</tr>
<tr>
<td>Dr. Paramita Nandi</td>
<td>Ph. D.</td>
<td>Assistant Professor (WBES)</td>
<td>Cytogenetics</td>
<td>7 years</td>
</tr>
<tr>
<td>(Transferred on 15.06.2015)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Subhra Talai</td>
<td>Ph. D.</td>
<td>Assistant Professor (WBES)</td>
<td>Pharmacognosy</td>
<td>14 years</td>
</tr>
<tr>
<td>(Mukhopadhyay)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sri. Dibyendu Mahanty</td>
<td>M.Sc.</td>
<td>Assistant Professor (WBES)</td>
<td>Plant Physiology, Biochemistry &amp; Molecular Biology</td>
<td>5 years</td>
</tr>
</tbody>
</table>

B. GUEST AND PART TIME FACULTIES:

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Specialization</th>
<th>Experience</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. Timir Baran Jha (WBSES)</td>
<td>Ph. D.</td>
<td>Guest faculty (Since July 2014)</td>
<td>Cytogenetics and Plant Biotechnology</td>
<td>34 years +</td>
</tr>
<tr>
<td>Dr. Manas Ranjan Majumder (WBSES)</td>
<td>Ph. D.</td>
<td>Guest faculty (Retd. Principal of Govt. Colleges)</td>
<td>Palaeobotany</td>
<td>33 years +</td>
</tr>
<tr>
<td>Dr. Arun Kumar Bandopadhyay</td>
<td>Ph.D.</td>
<td>Guest faculty (Retd. Associate Professor)</td>
<td>Plant Physiology and Biochemistry</td>
<td>30 years +</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name of Faculty</th>
<th>Number of Students Enrolled for Ph.D.</th>
<th>Number of Students Awarded Ph.D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. Timir Baran Jha</td>
<td>0</td>
<td>4</td>
</tr>
<tr>
<td>Prof. Jukta Adhikari</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Dr. Nirmalendu Das</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Dr. Parmita Nandy (Dutta)</td>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>

11. List of visiting Professors and Academic Advisors:
- Prof. Niranjan Bhattacharya – MBBS, MD, MS, FICS, FSOG, FACS, D.Sc. – Dr. Subhas Mukherjee Chair Professor and Director General of ‘Stem Cell Science’ , Govt. of West Bengal, Department of Regenerative Medicine & Translational Science, Calcutta School of Tropical Medicine, Kolkata – 700 073
- Prof. Andrew Burd – MB ChB, MD, FRCS, FHKAM –Centenary Professor, Calcutta School of Tropical Medicine, Kolkata – 700 073
- Prof. Amita Pal- Ph.D, FNA. SC. Emeritus Professor, Plant Biology Division, Bose Institute, Kolkata-700 054

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty (Classes per week):

<table>
<thead>
<tr>
<th>Name of temporary faculty with Qualification</th>
<th>Designation</th>
<th>Academic Session Taught</th>
<th>Total No. of classes in the Departmental Routine</th>
<th>Total No. of classes taught by temporary faculty</th>
<th>Percentage of lectures delivered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. Timir Baran Jha</td>
<td>Guest Faculty</td>
<td>2011-12</td>
<td>94 Hons. 15 Gen. 62 PG*</td>
<td>3.19 Hons. 6 Gen. 3.15 PG*</td>
<td>9.67</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2012-13</td>
<td>98 Hons. 15 Gen. 62 PG*</td>
<td>-</td>
<td>9.67</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2013-14</td>
<td>94 Hons. 15 Gen. 62 PG*</td>
<td>-</td>
<td>9.67</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2014-15</td>
<td>95 Hons. 15 Gen. 62 PG*</td>
<td>3.15 Hons. 6 Gen. 3.15 PG*</td>
<td>9.67</td>
</tr>
</tbody>
</table>
### Evaluative Reports of the Departments

<table>
<thead>
<tr>
<th>Dr. Manas Ranjan Majumder</th>
<th>Guest Faculty</th>
<th>2011-12</th>
<th>94</th>
<th>15</th>
<th>62</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
<th>-</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>2012-13</td>
<td>98</td>
<td>15</td>
<td>62</td>
<td>-</td>
<td>-</td>
<td>6</td>
<td>-</td>
<td>-</td>
<td>9.67</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2013-14</td>
<td>94</td>
<td>15</td>
<td>62</td>
<td>-</td>
<td>-</td>
<td>6</td>
<td>-</td>
<td>-</td>
<td>9.67</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2014-15</td>
<td>95</td>
<td>15</td>
<td>62</td>
<td>-</td>
<td>-</td>
<td>6</td>
<td>-</td>
<td>-</td>
<td>9.67</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dr. Arun K. Bandopadhyay</th>
<th>Guest Faculty</th>
<th>2011-12</th>
<th>94</th>
<th>15</th>
<th>62</th>
<th>-</th>
<th>-</th>
<th>2</th>
<th>-</th>
<th>-</th>
<th>3.22</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>2012-13</td>
<td>98</td>
<td>15</td>
<td>62</td>
<td>-</td>
<td>-</td>
<td>2</td>
<td>-</td>
<td>-</td>
<td>3.22</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2013-14</td>
<td>94</td>
<td>15</td>
<td>62</td>
<td>-</td>
<td>-</td>
<td>2</td>
<td>-</td>
<td>-</td>
<td>3.22</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2014-15</td>
<td>95</td>
<td>15</td>
<td>62</td>
<td>-</td>
<td>-</td>
<td>2</td>
<td>-</td>
<td>-</td>
<td>3.22</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dr. Anuradha Bandopadhyay</th>
<th>Part-time Teacher</th>
<th>2011-12</th>
<th>94</th>
<th>15</th>
<th>62</th>
<th>5</th>
<th>1</th>
<th>6</th>
<th>5.31</th>
<th>6.66</th>
<th>9.67</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>2012-13</td>
<td>98</td>
<td>15</td>
<td>62</td>
<td>5</td>
<td>1</td>
<td>6</td>
<td>5.10</td>
<td>6.66</td>
<td>9.67</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Smt. Sohini Gupta</th>
<th>Part-time Teacher</th>
<th>2011-12</th>
<th>94</th>
<th>15</th>
<th>62</th>
<th>7</th>
<th>5</th>
<th>2</th>
<th>7.44</th>
<th>33.33</th>
<th>3.22</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>2012-13</td>
<td>98</td>
<td>15</td>
<td>62</td>
<td>7</td>
<td>5</td>
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<td>7.14</td>
<td>33.33</td>
<td>3.22</td>
</tr>
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<td></td>
<td></td>
<td>2013-14</td>
<td>94</td>
<td>15</td>
<td>62</td>
<td>7</td>
<td>5</td>
<td>2</td>
<td>7.44</td>
<td>33.33</td>
<td>3.22</td>
</tr>
<tr>
<td></td>
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<td>2014-15</td>
<td>95</td>
<td>15</td>
<td>62</td>
<td>7</td>
<td>5</td>
<td>2</td>
<td>7.36</td>
<td>33.33</td>
<td>3.22</td>
</tr>
</tbody>
</table>

*Classes per week in PG Sem I= 30; Sem II= 32; Sem III= 32 & Sem IV= 30. The classes of Sem I & III are scheduled in July to January of each year and Sem II & IV classes are scheduled in February to June of each year. Prof. T.B. Jha takes classes of PG Sem II & IV and B.Sc. 3rd year. Dr. Manas Ranjan Majumder takes classes of PG Sem II and Dr. Arun Kumar Bandopadhyay takes classes of PG Sem III.

13. **Student-Teacher Ratio (programme wise):**

<table>
<thead>
<tr>
<th>Academic Session</th>
<th>Programme</th>
<th>No. of Students</th>
<th>No. of Teachers (at the beginning of Session)</th>
<th>Student: Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-2011</td>
<td>UG Hons.</td>
<td>83</td>
<td>9</td>
<td>9.22</td>
</tr>
<tr>
<td>2011-2012</td>
<td>UG Hons.</td>
<td>83</td>
<td>9</td>
<td>9.22</td>
</tr>
<tr>
<td>2012-13</td>
<td>UG Hons.</td>
<td>89</td>
<td>9</td>
<td>9.88</td>
</tr>
<tr>
<td>2013-2014</td>
<td>UG Hons.</td>
<td>94</td>
<td>10</td>
<td>9.40</td>
</tr>
<tr>
<td>2014-2015</td>
<td>UG Hons.</td>
<td>91</td>
<td>8</td>
<td>11.37</td>
</tr>
</tbody>
</table>
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

<table>
<thead>
<tr>
<th>Post</th>
<th>Sanctioned</th>
<th>Filled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic support staff (technical)</td>
<td>4</td>
<td>3 + 2*</td>
</tr>
<tr>
<td>Administrative staff</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

*2 contractual staff

15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:

<table>
<thead>
<tr>
<th>Highest Qualification</th>
<th>No. of Teaching Faculty (Existing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>D.Sc./D.Litt.</td>
<td>0</td>
</tr>
<tr>
<td>Ph.D.</td>
<td>11</td>
</tr>
<tr>
<td>M. Phil.</td>
<td>0</td>
</tr>
<tr>
<td>PG</td>
<td>3</td>
</tr>
</tbody>
</table>

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

The department is running Three projects; One major and two minors. All are funded by the UGC.

17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, ICMR, etc. and total grants received: (2010-2015):

A. Ongoing Projects:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Project Title</th>
<th>Sponsoring Agency</th>
<th>Fund approved (Lakh)</th>
<th>Duration</th>
<th>Investigator</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Karyo-systematic Analysis of Indian Lentils Through Fluorescent Chromosome Banding</td>
<td>UGC Major Research Project 2015</td>
<td>16 L</td>
<td>36 months</td>
<td>Prof. T.B. Jha P.I</td>
</tr>
<tr>
<td>2</td>
<td>Isolation, characterization and identification of pesticides (organophosphates) degrading phyllospheric bacteria with special reference to vegetables.</td>
<td>UGC minor project 2014</td>
<td>2.60 L</td>
<td>24 months</td>
<td>Mr. Benudhar Mandal</td>
</tr>
<tr>
<td>3</td>
<td>Comparative studies of Pleurodus fossulatus and other commercially cultivated oyster mushrooms (Pleurodus sp) with special reference to their yield, antioxidant and antimicrobial properties.</td>
<td>UGC minor project 2014</td>
<td>3.70L</td>
<td>24 months</td>
<td>Dr Nirmalendu Das</td>
</tr>
<tr>
<td></td>
<td>Total:</td>
<td></td>
<td>22.30 L</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
B. Completed Projects:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Project Title</th>
<th>Sponsoring Agency</th>
<th>Fund approved (Lakh)</th>
<th>Duration</th>
<th>Investigator</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>“Documentation of genetic and phytochemical variations and assessment of Immunomodulatory and anticancer activities of Gymnema sylvestre (retz)r.Br &amp; S and newly described species Gymnema kollimalayanum Ramach &amp; M.B Viswan, from Eastern India and Western Ghats”</td>
<td>ICMR</td>
<td>Approx. 50 L.</td>
<td>2012-2015</td>
<td>Prof. T.B. Jha (Co-PI)</td>
</tr>
<tr>
<td>2</td>
<td>Analysis of Important Bioactive Compounds and Genomic DNA Polymorphism in Swertia</td>
<td>CSIR</td>
<td>16.9 L</td>
<td>2009-2012</td>
<td>Prof. T.B. Jha</td>
</tr>
<tr>
<td>3</td>
<td>Detection and Chemical analysis of myo-inositol biosynthesis in some vascular cryptogams under in vivo and in vitro conditions.</td>
<td>UGC Major</td>
<td>7 L</td>
<td>2008-2011</td>
<td>Prof. J. Adhikari (PI), Prof. T.B. Jha (Co-PI)</td>
</tr>
<tr>
<td>4</td>
<td>Morphological and Histological Characterization and Cataloging of Diversity of Some Highly Salt Tolerant Species in Indian Sundarban Delta</td>
<td>UGC Minor Project</td>
<td>1.47 L</td>
<td>2009-2011</td>
<td>Dr. Saikat Naskar</td>
</tr>
<tr>
<td>5</td>
<td>An attempt to study the regulation of L-myo- inositol-1- phosphate synthase gene (INO1) in Avicennia officinalis in response to drought and salinity: a semi-quantitative approach.</td>
<td>UGC Minor Project</td>
<td>1.11 L</td>
<td>2010-2012</td>
<td>Dr. Paramita Nandi</td>
</tr>
<tr>
<td>6</td>
<td>Study of Algal biodiversity in and around Kolkata</td>
<td>UGC Minor Project</td>
<td>1.36 L</td>
<td>2011-2013</td>
<td>Dr. Subhra Talai (Mukherjee)</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td></td>
<td>77.76 L</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Grand Total:  $A + B = 22.3 \text{ L} + 77.76 \text{ L} = 100.06 \text{ L}$ (Rs. One crore and six thousand only)

18. Research Centre / facility recognized by the University: N.A.


Total No. of Publications: 74

- 53 in national and international journals
- 5 book chapters
- 16 conference papers

Publications details of Faculty are given in **Annexure 1**
A) SUMMARIZED LIST OF PUBLICATIONS OF THE FACULTY MEMBERS:

<table>
<thead>
<tr>
<th>NAME OF FACULTY</th>
<th>No. of papers in Peer reviewed National /International Journal</th>
<th>No. of publications listed in Int. Data base</th>
<th>Monograph</th>
<th>Chapter in Books</th>
<th>Books Edited</th>
<th>Books With ISSN/ISBN No.</th>
<th>Citation Index</th>
<th>SNIP</th>
<th>SJR</th>
<th>Impact Factor</th>
<th>H-Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. Timir Baran Jha</td>
<td>22</td>
<td>22</td>
<td>0</td>
<td>1+1</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>15.945</td>
<td>-</td>
</tr>
<tr>
<td>Prof. Jukta Adhikari</td>
<td>4</td>
<td>4</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>4.801</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Nirmalendu Das</td>
<td>12</td>
<td>12</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>3.834</td>
<td>-</td>
</tr>
<tr>
<td>Sri Benudhar Mandal</td>
<td>2</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Narayan Chandra Karmakar</td>
<td>2</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Saikat Naskar</td>
<td>7</td>
<td>7</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1.274</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Paramita Nandy (Dutta)</td>
<td>2</td>
<td>2</td>
<td>-</td>
<td>1</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>2.389</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Subhra Talai (Mukhopadhyay)</td>
<td>8</td>
<td>8</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1.524</td>
<td>-</td>
</tr>
</tbody>
</table>

20. Areas of consultancy and income generated:

- Recently an expert committee was constituted including two numbers of Departmental teachers to look over the deterioration and damage of century long Rain trees near the District Magistrate office at Barasat. The committee has submitted their report to the authority.
21. Faculty as members in a) National committees b) International Committees c) Editorial Boards:

<table>
<thead>
<tr>
<th>NAME OF FACULTY</th>
<th>National committees/International Committees /Editorial Boards…</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. Timir Baran Jha</td>
<td>• Member of International Association of Plant Biotechnology</td>
</tr>
<tr>
<td></td>
<td>(IAPB, Formerly IAPTC and IAPTC&amp;B) since 1978</td>
</tr>
<tr>
<td></td>
<td>• Elected Member of Plant Tissue Culture Association (India)</td>
</tr>
<tr>
<td>Prof. Jukta Adhikari</td>
<td>Life member of-</td>
</tr>
<tr>
<td></td>
<td>• Society of Biological Chemists of India</td>
</tr>
<tr>
<td></td>
<td>• Plant Physiology Forum of India</td>
</tr>
<tr>
<td></td>
<td>Member of-</td>
</tr>
<tr>
<td></td>
<td>• Clinical Research Ethics Committee, Calcutta School of Tropical</td>
</tr>
<tr>
<td></td>
<td>Medicine, Kolkata</td>
</tr>
<tr>
<td></td>
<td>• Technical and Research Committee, Biotechnology Department,</td>
</tr>
<tr>
<td></td>
<td>Govt. of West Bengal</td>
</tr>
<tr>
<td>Dr. Nirmalendu Das</td>
<td>Life member of-</td>
</tr>
<tr>
<td></td>
<td>• Indian Science Congress</td>
</tr>
<tr>
<td></td>
<td>• Society of Biological Chemists of India</td>
</tr>
<tr>
<td></td>
<td>• World Science Congress</td>
</tr>
<tr>
<td>Dr. Naryan Chandra</td>
<td>Life member of-</td>
</tr>
<tr>
<td>Karmakar</td>
<td>• Botanical Society of Bengal</td>
</tr>
<tr>
<td>Dr. Saikat Naskar</td>
<td>Life member of-</td>
</tr>
<tr>
<td></td>
<td>• Botanical Society of Bengal, Kolkata</td>
</tr>
<tr>
<td></td>
<td>• Plant Physiology Forum of India</td>
</tr>
<tr>
<td>Dr. Subhra Talai</td>
<td>Life member of-</td>
</tr>
<tr>
<td></td>
<td>• Indian Science Congress</td>
</tr>
<tr>
<td></td>
<td>• Plant Physiology Forum of India</td>
</tr>
</tbody>
</table>

22. Student projects:

a) Project works are allotted to all PG Semester IV students of the department under the guidance of their respective special paper teachers as the part of their curricula for partial fulfillment of M.Sc. in Botany. The project works are evaluated through seminar lecture. Their project dissertation and presentation carry 40 marks out of 200 marks in special papers. Details of project works (title, name of the students, year and name of the guide) are given in
Annexure 1.

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies:
10-20% students done their project work in collaboration with other organization, such as, ISI, Kolkata; Presidency University etc.

23. Awards/Recognitions received by faculty and students:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of Faculty</th>
<th>Year</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Prof. Timir Baran Jha</td>
<td>2010</td>
<td>Nominated By the Indian National Science Academy (INSA) under International Collaboration programme in Kagoshima University, Japan</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Subhra Talai Mukherjee</td>
<td>2012</td>
<td>Ph.D.</td>
</tr>
<tr>
<td>3</td>
<td>Dr. Narayan Chandra Karmakar</td>
<td>2013</td>
<td>Ph.D.</td>
</tr>
<tr>
<td>4</td>
<td>Dr. Saikat Naskar</td>
<td>2014</td>
<td>Ph.D.</td>
</tr>
</tbody>
</table>

24. List of eminent academicians and scientists/visitors to the department:
- Dr. Biswadev Bishayi, Professor, Department of Human Physiology and Immunology, University of Calcutta
- Dr. R.R. Rao, CSIR Emeritus Scientist, CIMAT.
- Prof. R.S. Upadhyay, Dept. of Botany, BHU
- Prof. A.K. Pal, Dept. of Botany, University of Calcutta
- Dr. Arunava Goswami, ISI, Kolkata
- Dr. Amita Pal, Emeritus Professor, Bose Institute, Kolkata
- Dr. Prabir Ghosal, ISI, Kolkata.

25. Seminars/Conferences/Workshops organized & the source of funding:

a) National: 1 (in Collaboration with ISI, Kolkata)

<table>
<thead>
<tr>
<th>THEME</th>
<th>LEVEL</th>
<th>FUNDING AGENCY</th>
<th>DATE</th>
<th>COLLABORATOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emerging Trends in Plant Sciences</td>
<td>National</td>
<td>UGC</td>
<td>14th and 15th July, 2011</td>
<td>Indian Statistical Institute, Kolkata</td>
</tr>
</tbody>
</table>

b) International:  Nil
26. Student profile programme/ course wise:

<table>
<thead>
<tr>
<th>Name of the Course / programme Botany Honours</th>
<th>Applications received</th>
<th>Selected</th>
<th>Enrolled</th>
<th>Pass percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>*M</td>
<td>*F</td>
<td></td>
</tr>
<tr>
<td>2011-2012</td>
<td>335</td>
<td>30</td>
<td>9</td>
<td>21</td>
</tr>
<tr>
<td>2012-2013</td>
<td>322</td>
<td>34</td>
<td>14</td>
<td>20</td>
</tr>
<tr>
<td>2013-2014</td>
<td>376</td>
<td>32</td>
<td>12</td>
<td>20</td>
</tr>
<tr>
<td>2014-2015</td>
<td>351</td>
<td>25</td>
<td>7</td>
<td>18</td>
</tr>
<tr>
<td>2015-2016</td>
<td>478</td>
<td>45</td>
<td>15</td>
<td>30</td>
</tr>
</tbody>
</table>

*M = Male   *F = Female

<table>
<thead>
<tr>
<th>Name of the Course/ programme Botany M.Sc.</th>
<th>Applications received</th>
<th>Selected</th>
<th>Enrolled</th>
<th>Pass percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>*M</td>
<td>*F</td>
<td></td>
</tr>
<tr>
<td>2011-2012</td>
<td>105</td>
<td>25</td>
<td>8</td>
<td>17</td>
</tr>
<tr>
<td>2012-2013</td>
<td>123</td>
<td>25</td>
<td>8</td>
<td>17</td>
</tr>
<tr>
<td>2013-2014</td>
<td>115</td>
<td>25</td>
<td>6</td>
<td>19</td>
</tr>
<tr>
<td>2014-2015</td>
<td>112</td>
<td>27</td>
<td>7</td>
<td>20</td>
</tr>
</tbody>
</table>

*M = Male   *F = Female

27. Diversity of Students:

<table>
<thead>
<tr>
<th>Name of the Course</th>
<th>% of students from the same state</th>
<th>% of students from other States</th>
<th>% of students From abroad</th>
</tr>
</thead>
<tbody>
<tr>
<td>B.Sc. Botany Honours and PG as in the last five academic sessions</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

<table>
<thead>
<tr>
<th>Name of the Competitive Examination</th>
<th>No. of students passed (in last five years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NET</td>
<td>2</td>
</tr>
<tr>
<td>GATE</td>
<td>2</td>
</tr>
<tr>
<td>JRF</td>
<td>3</td>
</tr>
<tr>
<td>School Service Commission</td>
<td>3</td>
</tr>
<tr>
<td>Food Corporation of India</td>
<td>2</td>
</tr>
<tr>
<td>Botanist of KMC</td>
<td>1</td>
</tr>
<tr>
<td>Bank</td>
<td>3</td>
</tr>
<tr>
<td>Rail</td>
<td>1</td>
</tr>
<tr>
<td>Private Sector</td>
<td>5</td>
</tr>
</tbody>
</table>

*Data from 2010-2015
29. Student progression: (2011-2015)

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Against % enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td>About 30%</td>
</tr>
<tr>
<td>PG to M. Phil.</td>
<td>-</td>
</tr>
<tr>
<td>PG to Ph. D.</td>
<td>-</td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td>-</td>
</tr>
<tr>
<td>Employed</td>
<td>N.A.</td>
</tr>
<tr>
<td>• Campus selection</td>
<td></td>
</tr>
<tr>
<td>• Other than campus recruitment</td>
<td></td>
</tr>
<tr>
<td>Entrepreneurship/ Self-employment</td>
<td>-</td>
</tr>
</tbody>
</table>
& PG students. Advanced instruments are used for the research work. Some important instruments are listed below.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of Instrument</th>
<th>Price (Rs.)</th>
<th>Year of Purchase</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>PCR</td>
<td>2,50,000/-</td>
<td>2011-12</td>
</tr>
<tr>
<td>2</td>
<td>Gel Doc EZ-BIO-RASD</td>
<td>5,48,773/-</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>UV-Vis Spectrophotometer (Shimadzu)</td>
<td>4,05,000/-</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Carl Zeiss Microscope with photographic attachment and computer</td>
<td>5,42,709/-</td>
<td>2012-13</td>
</tr>
<tr>
<td>5</td>
<td>All Quartz Double Distillation Unit with Power Supply- BOROSIL</td>
<td>2,61,290/-</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Carl Zeiss Microscope with photographic attachment and computer</td>
<td>5,70,447/-</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Laminar Airflow</td>
<td>1,18,000/-</td>
<td>2013-14</td>
</tr>
<tr>
<td>8</td>
<td>Rotary Microtome</td>
<td>2,19,581/-</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Air Sampler</td>
<td>90,789/-</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Gel Electrophoresis Trans Blot</td>
<td>71,850/-</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Students Microscopes (more than 130) @</td>
<td>13,00,000/-</td>
<td>2010-15</td>
</tr>
</tbody>
</table>

31. Number of students receiving financial assistance from college, university, government or other agencies:

<table>
<thead>
<tr>
<th>Session</th>
<th>Name of the Scholarship/ Studentship</th>
<th>No. of Students receiving financial assistance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Total</td>
</tr>
<tr>
<td>2012-13</td>
<td>Half Free</td>
<td>03</td>
</tr>
<tr>
<td></td>
<td>Full Free</td>
<td>02</td>
</tr>
<tr>
<td>2013-14</td>
<td>Half Free</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Full Free</td>
<td>03</td>
</tr>
<tr>
<td>2014-15</td>
<td>Half Free</td>
<td>01</td>
</tr>
<tr>
<td></td>
<td>Full Free</td>
<td>02</td>
</tr>
</tbody>
</table>

Besides the above stated scholarship, other government and/or private scholarships are availed by the students. However as these are disbursed centrally and not channelized through the academic departments, the records are not maintained by individual departments.

32. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts:

<table>
<thead>
<tr>
<th>Student Enrichment Programme</th>
<th>Held on</th>
<th>Title</th>
<th>Funding Agency</th>
<th>External Expert/Resource Person/ Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>National level Seminar</td>
<td>14-15 July, 2011</td>
<td>Emerging Trends in Plant Sciences</td>
<td>UGC</td>
<td>Dr. R.R. Rao, CSIR Emeritus Scientist, CIMAT. Prof. R.S. Upadhyay, Dept. of Botany, BHU Prof. A.K.Pal, Dept. of Botany, CU Dr. Arunava Goswami, ISI, Kolkata Dr. Amita Pal, Scientist, Bose Institute Dr. Prabir Ghosal, ISI, Kolkata</td>
</tr>
</tbody>
</table>
33. **Teaching methods adopted to improve student learning:**

- Chalk and Talk method.
- Apart from usual methods like chalk and talk, modern teaching methods are frequently used such as power-point based lectures through LCD projector, use of models and posters, software based analysis for certain courses such as bio-informatics, morphometrics etc.
- Since the discipline relies on field-based studies, the students regularly participate in field surveys and excursions in different phyto-geographic regions of India.
- Students get opportunity to handle different sophisticated instruments.
- Assessment is another method of improvement. We assess the students in the form of class tests, half-yearly, annual and test examinations. Parents are informed as and when required.
- Seminar through power point presentation is mandatory for Final year Postgraduate students. They deliver seminar lectures before all other UG and PG students.

34. **Participation in Institutional Social Responsibility (ISR) and Extension activities:**

Students participate in different activities of NSS, such as blood donation camp, thalassemia detection camp etc.

35. **SWOC analysis of the department and Future plans:**

<table>
<thead>
<tr>
<th>Strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓ Adequate Departmental space</td>
</tr>
<tr>
<td>✓ Separate laboratories for all UG and PG classes</td>
</tr>
<tr>
<td>✓ 10 sanctioned teaching posts including one post of Professor (Submitted for creation of two more posts)</td>
</tr>
<tr>
<td>✓ Academic and Financial autonomy in PG course</td>
</tr>
<tr>
<td>✓ Revision of PG syllabus as and when required</td>
</tr>
<tr>
<td>✓ Class rooms are equipped with LCD projectors</td>
</tr>
<tr>
<td>✓ Well-equipped laboratories for UG, PG and research students</td>
</tr>
<tr>
<td>✓ Internet facilities for teachers and students</td>
</tr>
<tr>
<td>✓ Experimental garden</td>
</tr>
</tbody>
</table>
Department conducts departmental committee meeting regularly and major decisions are passed through the meeting

The meetings of the ‘Post-Graduate Board of Studies’ are held as and when required

Minutes of all the meetings are preserved for future reference

Teachers spend 5-8 hours time with their students everyday and shoulder direct teaching load of minimum 20 hours per week. All the teachers beside their UG & PG teaching assignments and research work, shoulder additional responsibilities in various departmental works like making routine, conducting different examinations, excursions, admission, purchases, students improvement programmes including counseling of the students

Annual purchases of the department are made strictly adhering the rules and regulations of the Govt. of West Bengal. Storekeeper maintains stock register and department utilizes the grants without any diversion

Maintenance of cordial relationship between teachers- students

<table>
<thead>
<tr>
<th>Weakness/ Challenges/ Opportunity/Future Plans</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Transferable service of teachers as per Govt. rules.</td>
</tr>
<tr>
<td>• Need to consider specialization of teachers at the time transfer by the Govt.</td>
</tr>
<tr>
<td>• Requirement of additional number of supporting (non-teaching) staff</td>
</tr>
<tr>
<td>• Involvement of more faculties in active research and generation of more extra funds for the department</td>
</tr>
<tr>
<td>• Creation of Central instrumental facilities in the department</td>
</tr>
<tr>
<td>• Organization of more seminars and workshops for teachers and students</td>
</tr>
<tr>
<td>• More participation of faculties in National and International conferences and symposia</td>
</tr>
<tr>
<td>• Extension of more collaborative research projects</td>
</tr>
<tr>
<td>• The Department proposes to accord special departmental fellowship grants to deserving candidates from its own corpus fund; so that they remain committed to path of research till the time they are eligible to receive any Government grants. This will encourage more and more students to become oriented for research</td>
</tr>
<tr>
<td>• Intend to organize skill development programmes for the students</td>
</tr>
</tbody>
</table>
3. Department of Chemistry

1. Name of the Department: CHEMISTRY

2. Year of Establishment: UG General 1961; UG Hons. 1967

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters, Integrated Ph.D., etc.):
   UG (B.Sc. Chemistry Honours and Chemistry General)

4. Names of Interdisciplinary courses and the departments/ units involved: None

5. Annual/ semester/ choice based credit system (programme wise):
   B.Sc. Chemistry Honours: Annual Examinations (Part I, Part II and Part III)

6. Participation of the department in the courses offered by other departments:
   Chemistry is offered as General Subject for the following Honours subjects-
   Physics, Mathematics, Botany and Zoology.
   Chemistry is also offered as a subject in the B.Sc. General Course.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.:
   Nil

8. Details of courses/ programmes discontinued (if any) with reasons: Nil

9. Number of teaching posts:

<table>
<thead>
<tr>
<th>POSTS</th>
<th>SANCTIONED</th>
<th>FILLED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td></td>
<td>5</td>
</tr>
</tbody>
</table>

10. Faculty profile with name, qualification, designation, specialization (D.Sc/ D.Litt./ Ph.D./ M.Phil. etc.):

<table>
<thead>
<tr>
<th>NAME</th>
<th>QUALIFICATION</th>
<th>DESIGNATION</th>
<th>SPECIALISATION</th>
<th>No. OF YEARS EXPERTISE</th>
<th>No. OF Phd STUDENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A) CURRENT FULL TIME FACULTY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Arup Bandyopadhyay</td>
<td>M.Sc., Ph.D.</td>
<td>Associate Professor</td>
<td>Physical Chemistry</td>
<td>26 years</td>
<td>None</td>
</tr>
<tr>
<td>Dr. Sanat Kumar Saha</td>
<td>M.Sc., Ph.D.</td>
<td>Associate Professor</td>
<td>Physical Chemistry</td>
<td>25 Years 6 Months</td>
<td>None</td>
</tr>
<tr>
<td>Dr. Suparna Basu (Chaki)</td>
<td>M.Sc., Ph.D.</td>
<td>Associate Professor</td>
<td>Applied Chemistry</td>
<td>23 Years</td>
<td>None</td>
</tr>
<tr>
<td>Name</td>
<td>Qualification</td>
<td>Position</td>
<td>Department</td>
<td>Tenure</td>
<td>Comments</td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>---------------</td>
<td>---------------------------</td>
<td>---------------------------</td>
<td>---------------------------</td>
<td>---------------------------</td>
</tr>
<tr>
<td>Dr. Soma Nath (Deoghoria)</td>
<td>M.Sc., Ph.D</td>
<td>Assistant Professor</td>
<td>Inorganic Chemistry</td>
<td>12 Years 6 Months</td>
<td>None</td>
</tr>
<tr>
<td>Dr. Prabir Kumar Sen</td>
<td>M.Sc., Ph.D</td>
<td>Assistant Professor</td>
<td>Organic Chemistry</td>
<td>12 Years 6 months</td>
<td>None</td>
</tr>
<tr>
<td>Dr. Dipanwita Majumdar</td>
<td>M.Sc., Ph.D</td>
<td>Assistant Professor</td>
<td>Inorganic Chemistry</td>
<td>6 Years</td>
<td>None</td>
</tr>
<tr>
<td>Dr. Nabakumar Bera</td>
<td>M.Sc., Ph.D</td>
<td>Assistant Professor</td>
<td>Physical Chemistry</td>
<td>6 Years</td>
<td>None</td>
</tr>
<tr>
<td>Dr. Sanjukta Muhuri</td>
<td>M.Sc., Ph.D</td>
<td>Assistant Professor</td>
<td>Organic Chemistry</td>
<td>6 Years</td>
<td>None</td>
</tr>
<tr>
<td><strong>B) FULL TIME FACULTY TRANSFERRED/RETIRED (Since October 2010)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Ajit Kumar Ray</td>
<td>M.Sc., Ph.D</td>
<td>Associate Professor</td>
<td>Physical Chemistry</td>
<td>Retired from Service in 2011</td>
<td>None</td>
</tr>
<tr>
<td>Dr. Goutam Bandyopadhyay</td>
<td>M.Sc., Ph.D</td>
<td>Associate Professor</td>
<td>Physical Chemistry</td>
<td>Transferred to Bethune College</td>
<td>None</td>
</tr>
<tr>
<td>Dr. Asim Kumar Majee</td>
<td>M.Sc., Ph.D</td>
<td>Associate Professor</td>
<td>Inorganic Chemistry</td>
<td>Transferred to Bidhannagar Govt.College</td>
<td>None</td>
</tr>
<tr>
<td><strong>C) PART-TIME FACULTY/GUEST FACULTY (Day)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shampa Saha Bhowmick</td>
<td>M.Sc.</td>
<td>Part-time Faculty</td>
<td>Organic Chemistry</td>
<td>8 Years</td>
<td>None</td>
</tr>
<tr>
<td><strong>D) PART-TIME FACULTY/GUEST FACULTY (Morning 2010-2014)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Balai Chand Basak</td>
<td>M.Sc., Ph.D.</td>
<td>Part-time Faculty</td>
<td>Organic Chemistry</td>
<td>Resigned on 2012</td>
<td>None</td>
</tr>
<tr>
<td>Rajat Ranjan Ghosh</td>
<td>M.Sc.</td>
<td>Part-time Faculty</td>
<td>Organic Chemistry</td>
<td>8 Years, Resigned on July, 2015</td>
<td>None</td>
</tr>
</tbody>
</table>

*During the period 2010 to 2014, she performed as part-time faculty of morning section and 2015-16 onwards she will act as part-time faculty in the day section.

11. List of senior visiting faculty: None
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

<table>
<thead>
<tr>
<th>Name of temporary faculty with Qualification</th>
<th>Designation</th>
<th>Programme</th>
<th>Academic Session Taught</th>
<th>Total No. of classes in the Departmental Routine</th>
<th>Total No. of classes taught by temporary faculty</th>
<th>Percentage of lectures delivered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Balai Chand Basak (Resigned on 2012)</td>
<td>Part-time Faculty</td>
<td>B.Sc. Hons &amp; General</td>
<td>2011-12</td>
<td>3120</td>
<td>1140</td>
<td>Nil</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2012-13</td>
<td></td>
<td></td>
<td>300</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2013-14</td>
<td></td>
<td></td>
<td>7.04</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2014-15</td>
<td></td>
<td></td>
<td>NA/Resigned during this period</td>
</tr>
<tr>
<td>Rajat Ranjan Ghosh</td>
<td>Part-time Faculty</td>
<td>B.Sc. Hons &amp; General</td>
<td>2011-12</td>
<td>3120</td>
<td>1140</td>
<td>Nil</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2012-13</td>
<td>3130</td>
<td>1110</td>
<td>Nil</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2013-14</td>
<td>3080</td>
<td>1160</td>
<td>Nil</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2014-15</td>
<td>3090</td>
<td>1150</td>
<td>Nil</td>
</tr>
<tr>
<td>Shampa Saha Bhowmick</td>
<td>Part-time Faculty</td>
<td>B.Sc. Hons &amp; General</td>
<td>2011-12</td>
<td>3120</td>
<td>1140</td>
<td>Nil</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2012-13</td>
<td>3130</td>
<td>1110</td>
<td>Nil</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2013-14</td>
<td>3080</td>
<td>1160</td>
<td>Nil</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2014-15</td>
<td>3090</td>
<td>1150</td>
<td>Nil</td>
</tr>
</tbody>
</table>

13. Student-Teacher Ratio (programme wise):

<table>
<thead>
<tr>
<th>Academic Session</th>
<th>Programme</th>
<th>No. of Students</th>
<th>No. of Teachers (at the beginning of Session)</th>
<th>Student: Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-2011</td>
<td>UG Hons.</td>
<td>55</td>
<td>7</td>
<td>8:1</td>
</tr>
<tr>
<td>2011-2012</td>
<td>UG Hons.</td>
<td>59</td>
<td>6</td>
<td>10:1</td>
</tr>
<tr>
<td>2012-2013</td>
<td>UG Hons.</td>
<td>65</td>
<td>5</td>
<td>13:1</td>
</tr>
<tr>
<td>2013-2014</td>
<td>UG Hons.</td>
<td>72</td>
<td>7</td>
<td>10:1</td>
</tr>
<tr>
<td>2014-2015</td>
<td>UG Hons.</td>
<td>82</td>
<td>7</td>
<td>12:1</td>
</tr>
</tbody>
</table>

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

<table>
<thead>
<tr>
<th>Post</th>
<th>Sanctioned</th>
<th>Filled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic support staff (technical)</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Administrative staff</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:

<table>
<thead>
<tr>
<th>Highest Qualification</th>
<th>No. of Teaching Faculty (Existing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>D.Sc./D.Litt.</td>
<td>0</td>
</tr>
<tr>
<td>Ph.D.</td>
<td>8</td>
</tr>
<tr>
<td>M. Phil.</td>
<td>0</td>
</tr>
<tr>
<td>PG</td>
<td>1</td>
</tr>
</tbody>
</table>

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

2 (National, UGC Grant for Minor Research Project)

<table>
<thead>
<tr>
<th>Name of the faculty</th>
<th>Title of the Project</th>
<th>Funding agencies</th>
<th>Duration of the project</th>
<th>Grant sanctioned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Prabir Kumar Sen</td>
<td>Bergallini condensation: Expeditious synthesis of multifunctionalised acids</td>
<td>UGC</td>
<td>2012-till date</td>
<td>2 L</td>
</tr>
<tr>
<td>Dr. Dipanwita Majumdar</td>
<td>Synthesis, Characterization and Electrochemical study of Graphene/manganese dioxide nano composite</td>
<td>UGC</td>
<td>2014-till date</td>
<td>5 L</td>
</tr>
</tbody>
</table>

17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre / facility recognized by the University: Nil
19. Publications:
Total No. of Publications of the faculty members of the Department (2010-15, during the teachers’ tenure at Barasat Government College) = 21

<table>
<thead>
<tr>
<th>NAME OF FACULTY</th>
<th>No. of papers in Peer reviewed National/International Journal</th>
<th>No. of publications listed in Int. Data base</th>
<th>Monograph</th>
<th>Chapter in Books</th>
<th>Books Edited</th>
<th>Books With ISSN/ISBN No.</th>
<th>Citation Index</th>
<th>SNIP</th>
<th>SJR</th>
<th>Impact Factor</th>
<th>H-Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Arup Bandyopadhyay</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Sanat Kumar Saha</td>
<td>1</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Suparna Basu (Chaki)</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Soma Nath (Deoghoria)</td>
<td>1</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Prabir Kumar Sen</td>
<td>3</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Dipanwita Majumdar</td>
<td>9</td>
<td>6</td>
<td>-</td>
<td>1</td>
<td>ISBN-978-81-921697-3-6</td>
<td>0 to 24</td>
<td>-</td>
<td>-</td>
<td>1.815 to 15.409 (Int)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Nabakumar Bera</td>
<td>3</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1.785(Nat) 0.629(Int)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Sanjukta Muhuri</td>
<td>4</td>
<td>1</td>
<td>-</td>
<td>1</td>
<td>ISBN-987-1-84973-427-1</td>
<td>10</td>
<td>-</td>
<td>-</td>
<td>3 to 4 (Int)</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Details of publications are given in *Annexure 1.*
20. Areas of consultancy and income generated:

<table>
<thead>
<tr>
<th>Name of the Faculty</th>
<th>Area of Consultancy</th>
<th>Income generated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Prabir Kumar Sen</td>
<td><strong>Venue-in-Charge</strong> of written examination for the recruitment of Constable/ Lady Constable at Barasat Govt. College Centre in 2012</td>
<td>No income generated as part of college</td>
</tr>
<tr>
<td></td>
<td><strong>Supervisor</strong> of SET examination at Barasat Govt. College Centre in 2013</td>
<td></td>
</tr>
</tbody>
</table>

21. Faculty as members in:

a) National Committee b) International Committee c) Editorial Boards

<table>
<thead>
<tr>
<th>NAME OF FACULTY</th>
<th>Membership in i)National Committee ii)International Committee iii) Editorial Boards and iv) Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Arup Bandyopadhyay</td>
<td>Member of editorial board of academic journal Aureole, College Journal since 2015</td>
</tr>
</tbody>
</table>
| Dr. Sanat Kumar Saha           | 1. Member of editorial board of academic journal Aureole, College Journal since 2011  
|                                | 2. Member of UG Board of Studies, WBSU since 2012                                            |
|                                | 3. Member of Syllabus Committee in UG Syllabus in Chemistry (Honours), WBSU in 2011-12      |
| Dr. Prabir Kumar Sen           | 1. Member of editorial board of academic journal Aureole, College Journal since 2009  
|                                | 2. Life member of Indian Association for the Cultivation of Science                              |
|                                | 3. Life member of Chemical Research Society, Bangalore                                        |
| Dr. Nabakumar Bera             | Life member of Indian Physical Society                                                          |
| Dr. Dipanwita Majumdar         | Life member of Indian Physical Society                                                          |
| Dr. Sanjukta Muhuri            | 1. Member of editorial board of academic journal Aureole, College Journal since 2013  
|                                | 2. Life member of Indian Association for the Cultivation of Science                              |

22. Student projects:

<table>
<thead>
<tr>
<th>NAME OF FACULTY</th>
<th>No. of Supervisions of M. Sc. Projects of PG students from other Institutions and Physics Department of Barasat Govt. College</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Prabir Kumar Sen</td>
<td>01</td>
</tr>
<tr>
<td>Dr. Nabakumar Bera</td>
<td>12</td>
</tr>
<tr>
<td>Dr. Dipanwita Majumdar</td>
<td>03</td>
</tr>
</tbody>
</table>

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies:

Nil
23. Awards/Recognitions received by faculty and students:

<table>
<thead>
<tr>
<th>Name of the faculty</th>
<th>Award/Recognition received and Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Nabakumar Bera</td>
<td>Awarded Ph.D. from Jadavpur University in 2011</td>
</tr>
<tr>
<td>Dr. Dipanwita Majumdar</td>
<td>Awarded Ph.D. from Jadavpur University in 2011</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name of the Student</th>
<th>Award/Recognition received and Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rajesh Dutta</td>
<td>Ranked 1st class first in B.Sc. Hons. WBSU, 2012</td>
</tr>
<tr>
<td>Badal Mondal</td>
<td>Ranked First class first in B.Sc. Hons. WBSU, 2015</td>
</tr>
<tr>
<td>Suman Dhara</td>
<td>Received DST-INSPIRE Scholarship, 2010</td>
</tr>
<tr>
<td>Rabindranath Paul</td>
<td>Received DST-INSPIRE Scholarship, 2011</td>
</tr>
<tr>
<td>Mithu Bhowmick</td>
<td>Received DST-INSPIRE Scholarship, 2011</td>
</tr>
<tr>
<td>Subhajit Dey</td>
<td>Received DST-INSPIRE Scholarship, 2011</td>
</tr>
<tr>
<td>Soumyadeep Roy</td>
<td>Received DST-INSPIRE Scholarship, 2012</td>
</tr>
<tr>
<td>Chowdhury</td>
<td>Received DST-INSPIRE Scholarship, 2012</td>
</tr>
<tr>
<td>Poulomi Ghosh</td>
<td>Received DST-INSPIRE Scholarship, 2012</td>
</tr>
<tr>
<td>Rajesh Adhikari</td>
<td>Received DST-INSPIRE Scholarship, 2012</td>
</tr>
<tr>
<td>Dipanjan Sanyal</td>
<td>Received DST-INSPIRE Scholarship, 2012</td>
</tr>
<tr>
<td>Subhendu Sarkar</td>
<td>Received DST-INSPIRE Scholarship, 2012</td>
</tr>
<tr>
<td>Kinshuk Roy</td>
<td>Received DST-INSPIRE Scholarship, 2012</td>
</tr>
<tr>
<td>Debotam Dasgupta</td>
<td>Received DST-INSPIRE Scholarship, 2012</td>
</tr>
<tr>
<td>Subhadeep De</td>
<td>Received DST-INSPIRE Scholarship, 2012</td>
</tr>
<tr>
<td>Joydeep Mukherjee</td>
<td>Received DST-INSPIRE Scholarship, 2012</td>
</tr>
<tr>
<td>Upasana Acharyya</td>
<td>Received DST-INSPIRE Scholarship, 2012</td>
</tr>
<tr>
<td>Piyali Saha</td>
<td>Received DST-INSPIRE Scholarship, 2012</td>
</tr>
<tr>
<td>Subarna Biswas</td>
<td>Received DST-INSPIRE Scholarship, 2012</td>
</tr>
<tr>
<td>Samima Yasmin</td>
<td>Received DST-INSPIRE Scholarship, 2012</td>
</tr>
<tr>
<td>Munsi Sahid Hossain</td>
<td>Received DST-INSPIRE Scholarship, 2012</td>
</tr>
<tr>
<td>Lipika Baidya</td>
<td>Received DST-INSPIRE Scholarship, 2012</td>
</tr>
<tr>
<td>Nilanjana Biswas</td>
<td>Received DST-INSPIRE Scholarship, 2012</td>
</tr>
</tbody>
</table>

24. List of eminent academicians and scientists/visitors to the Department:

<table>
<thead>
<tr>
<th>Name of Eminent Academicians/Scientists/Visitors</th>
<th>Affiliation</th>
<th>Purpose of visit</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. Debsankar Ray</td>
<td>IACS, Kolkata</td>
<td>Special lecture</td>
<td>2010 and 2011</td>
</tr>
<tr>
<td>Prof. Somnath Ghosh</td>
<td>Jadavpur University</td>
<td>Special lecture</td>
<td>2010</td>
</tr>
<tr>
<td>Prof. Animesh Chakraborti</td>
<td>IACS, Kolkata</td>
<td>Special lecture</td>
<td>2011</td>
</tr>
<tr>
<td>Prof. Sanjib Bagchi</td>
<td>IISER, Kolkata</td>
<td>Special lecture</td>
<td>2011</td>
</tr>
<tr>
<td>Prof. Amit Basak</td>
<td>IIT, Kharagpur</td>
<td>Special lecture</td>
<td>2011</td>
</tr>
<tr>
<td>Prof. Amitava Sarkar</td>
<td>IACS, Kolkata</td>
<td>Special lecture</td>
<td>2011</td>
</tr>
<tr>
<td>Prof. Kamal Bhattacharyya</td>
<td>Calcutta University</td>
<td>Special lecture</td>
<td>2011</td>
</tr>
<tr>
<td>Dr. Debabrata Maiti</td>
<td>IIT, Bombay</td>
<td>Special lecture</td>
<td>2011</td>
</tr>
</tbody>
</table>
Dr. Prabir Kumar Das | Ex-Principal, Bidhannagar Govt. College | Special lecture | 2012
Dr. Chandrakanta Bandyopadhyay | RKMVC College, Rahara | Special lecture | 2015
Dr. Tapan Kanti Paine | IACS, Kolkata | Special lecture | 2015

25. Seminars/Conferences/Workshops organized & the source of funding:
Total 03 (Three)
a) National: One

<table>
<thead>
<tr>
<th>THEME</th>
<th>LEVEL</th>
<th>FUNDING AGENCY</th>
<th>DATE</th>
<th>COLLABORATOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Level Seminar- one</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Modern Trends of Research in Chemistry: Scope of Inclusion in Under-graduate and Post-graduate Courses.</td>
<td>National</td>
<td>UGC</td>
<td>7th and 8th Sept, 2011</td>
<td>Indian Association for the Cultivation of Science, Jadavpur</td>
</tr>
<tr>
<td>Departmental Seminar - Two</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acharya Prafulla Chandra Ray Memorial Lecture</td>
<td>Departmental Seminar</td>
<td>College Grant</td>
<td>30th September 2010</td>
<td>Nil</td>
</tr>
<tr>
<td>Recent Trends in Chemistry</td>
<td>Departmental Seminar</td>
<td>College Grant</td>
<td>10th January, 2015</td>
<td>Nil</td>
</tr>
</tbody>
</table>

b) International: Nil

26. Student profile programme/course wise:

<table>
<thead>
<tr>
<th>Name of the Course/programme</th>
<th>Applications received</th>
<th>Selected</th>
<th>Enrolled</th>
<th>Pass percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>*M</td>
<td>*F</td>
</tr>
<tr>
<td>2012-2013 UG Hons.</td>
<td>383</td>
<td>28</td>
<td>20</td>
<td>08</td>
</tr>
<tr>
<td>2013-2014 UG Hons</td>
<td>511</td>
<td>33</td>
<td>16</td>
<td>17</td>
</tr>
<tr>
<td>2014-2015 UG Hons</td>
<td>435</td>
<td>33</td>
<td>26</td>
<td>07</td>
</tr>
<tr>
<td>2015-2016 UG Hons</td>
<td>647</td>
<td>39</td>
<td>30</td>
<td>09</td>
</tr>
</tbody>
</table>

*M = Male   *F = Female
27. Diversity of Students:

<table>
<thead>
<tr>
<th>Name of the Course</th>
<th>% of students from the same state</th>
<th>% of students from other States</th>
<th>% of students from abroad</th>
</tr>
</thead>
<tbody>
<tr>
<td>B. Sc. Chemistry Hons.</td>
<td>100 %</td>
<td>0 %</td>
<td>0 %</td>
</tr>
</tbody>
</table>

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.

<table>
<thead>
<tr>
<th>Name of the Competitive Examination</th>
<th>No. of students passed (in last five years)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2010</td>
</tr>
<tr>
<td>JAM for all IIT</td>
<td>2</td>
</tr>
<tr>
<td>IISER</td>
<td>-</td>
</tr>
<tr>
<td>IISc</td>
<td>-</td>
</tr>
<tr>
<td>ISM</td>
<td>-</td>
</tr>
<tr>
<td>IACS</td>
<td>-</td>
</tr>
<tr>
<td>IIEST</td>
<td>-</td>
</tr>
<tr>
<td>Universities and others</td>
<td>3</td>
</tr>
</tbody>
</table>

*The Admission Process is yet to be completed

29. Student progression: (2011-2015) *

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Against % enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td>90%</td>
</tr>
<tr>
<td>PG to M. Phil.</td>
<td>nil</td>
</tr>
<tr>
<td>PG to Ph. D.</td>
<td>80%</td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td>-</td>
</tr>
<tr>
<td>Employed</td>
<td></td>
</tr>
<tr>
<td>• Campus selection</td>
<td>Nil</td>
</tr>
<tr>
<td>• Other than campus recruitment</td>
<td>70-75%</td>
</tr>
<tr>
<td>Entrepreneurship/ Self-employment</td>
<td>10%</td>
</tr>
</tbody>
</table>

*based on verbal feedback from students

30. Details of Infrastructural facilities:

a) Library: One seminar library (More than 600 books)

b) Internet facilities for Staff & Students: Fully available
c) **Class rooms with ICT facility:** One Class room

d) **Laboratories:** 05

31. **Number of students receiving financial assistance from college, university, government or other agencies:**

<table>
<thead>
<tr>
<th>Session</th>
<th>Name of the Scholarship /Studentship</th>
<th>No. of Students receiving financial assistance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Total</td>
</tr>
<tr>
<td>2011-2012</td>
<td>Half-Free</td>
<td>04</td>
</tr>
<tr>
<td></td>
<td>Full-Free</td>
<td>05</td>
</tr>
<tr>
<td>2012-2013</td>
<td>Half-Free</td>
<td>04</td>
</tr>
<tr>
<td></td>
<td>Full-Free</td>
<td>08</td>
</tr>
<tr>
<td>2013-2014</td>
<td>Half-Free</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>Full-Free</td>
<td>03</td>
</tr>
<tr>
<td>2014-2015</td>
<td>Full-Free</td>
<td>10</td>
</tr>
</tbody>
</table>

32. **Details on student enrichment programmes (special lectures/workshops/ seminar) with external experts:**

<table>
<thead>
<tr>
<th>Student Enrichment Programme</th>
<th>Held on</th>
<th>Title</th>
<th>Funding Agency</th>
<th>External Expert/Resource Person/ Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>Departmental Seminar</td>
<td>30th September, 2010</td>
<td>Acharya Pratulla Chandra Ray Memorial Lecture</td>
<td>College funding</td>
<td>1. Prof. Deb Sankar Ray, IACS, Jadavpur</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2. Prof. Somnath Ghosh, Jadavpur University</td>
</tr>
<tr>
<td>Departmental Seminar in</td>
<td>13th October, 2012</td>
<td>The Amazing Story of the Higgs Boson</td>
<td>College funding</td>
<td>Prof. Soumitra Sengupta, IACS, Kolkata</td>
</tr>
<tr>
<td>Collaboration with Physics</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Departmental Seminar</td>
<td>10th January, 2015</td>
<td>Recent Trends in Chemistry</td>
<td>College funding</td>
<td>1. Dr. Tapan Kanti Paine, IACS, Jadavpur</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2. Dr. Chandrakanta Bandopadhyay, RKMVC College, Rahara</td>
</tr>
</tbody>
</table>

*students’ seminars/presentations are also held frequently (especially for Part-III students) as a part of student enrichment programmes.*
33. Teaching methods adopted to improve student learning:
Besides the traditional chalk and talk method, the teachers make extensive use of Charts, Models, ICT tools like Overhead projectors, screens etc. for power point presentations. Students are also allowed to access internet to download study material. In addition, the following methods are also used for betterment of teaching learning process.

- Tutorial Lectures
- Remedial Classes for SC, ST and Minority (non-creamy layer) students
- Special Lectures during Puja and Summer vacation
- Organizing Institute Visits to make the curriculum more attractive. One such study tour was organized in 2015 to IACS, Jadavpur to enhance scientific culture among students.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- The departmental teachers and the students actively participate in different socially relevant programmes like plantation/beautification of the college campus, Blood Donation Camp, Thalassemia Detection Camp, etc. organized by the NSS unit of the college.
- As a part of Extension activities students are also encouraged to publish a wall magazine titled ‘Anwesha’ in frequent intervals to make awareness about the recent findings and discoveries in science and technology all over the world.

35. SWOC analysis of the department and Future plans:

<table>
<thead>
<tr>
<th>Strengths</th>
<th>Weaknesses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Highly qualified (having Ph.D.), well-competent, dedicated teaching staff.</td>
<td>With increasing intake of students every year the existing space in the laboratories and classrooms have become inadequate.</td>
</tr>
<tr>
<td>Good academic profile of the students. The students occupy ranks in University Exams almost every year.</td>
<td>Campus interviews are few in number.</td>
</tr>
<tr>
<td>Some of the students enjoy prestigious scholarships like DST-INSPIRE.</td>
<td>Being a Government college, routine transfer of teachers causes an unbalanced situation in certain specialized areas of Chemistry and high student-teacher ratio sometime hamper the Teaching Learning process.</td>
</tr>
<tr>
<td>After graduation, the students qualify for various National level competitive Exams like JAM, IISER, IISc etc and get entry into various premier Universities and Institutes like IISc, IIT, ISM, IISER, etc. for higher studies.</td>
<td>There is also shortage of academic technical staff (Group-C and Group-D) in the Department.</td>
</tr>
<tr>
<td>Department contains a well-stocked seminar library (over 600 books) and computer facilities.</td>
<td></td>
</tr>
<tr>
<td>The student-teacher relationship is extremely cordial.</td>
<td></td>
</tr>
</tbody>
</table>
Chemistry as a subject provides ample opportunities to the students to pursue further studies and/or get employment in various fields like Applied Chemistry, Industrial & Analytical Chemistry, Biochemistry & Biotechnology, Food technology, Pharmaceutical Industries, etc. Provided, regular campus interviews can be arranged, students can get employment even after graduation. There is scope for extending research activities by developing a well-equipped Research Laboratory in the new annex building of the Department.

**Opportunities**

- Chemistry as a subject provides ample opportunities to the students to pursue further studies and/or get employment in various fields like Applied Chemistry, Industrial & Analytical Chemistry, Biochemistry & Biotechnology, Food technology, Pharmaceutical Industries, etc.
- Provided, regular campus interviews can be arranged, students can get employment even after graduation.
- There is scope for extending research activities by developing a well-equipped Research Laboratory in the new annex building of the Department.

**Challenges**

- Being a Government College creation of new teaching post is difficult without necessary Government approval. Therefore it has always been a challenge to share the burden of teaching and related works among the few staffs of the department.
- Most of the infrastructural up-gradation and maintenance is dependent on Government Funds which is very irregular.
- Since, in this region, students are from weak economic backgrounds our challenge is to provide them with modern facilities and a good academic environment to make their future bright.

**Future Plans:**

- Introduction of PG courses in Chemistry will be held in near future. Approval from the affiliating University (WBSU) is already obtained. The new annex building for PG courses in chemistry is about to be completed. Presently necessary approval from Higher Education Department, W.B. is waiting.
- Improvement of Laboratory and Infrastructural facility.
- Organizing State /National Level Seminar/Symposium.
- Introduction of short-term projects.
- Setting up of Smart Class room (e-classroom) to make lecture presentations more interesting.
- Setting up a well-equipped Research Laboratory and giving more impetus to research work.
4. DEPARTMENT OF ECONOMICS

1. Name of the department: ECONOMICS

2. Year of Establishment: 1950

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters, Integrated Ph.D., etc.):
   UG (B.A. Economics Honours and Economics General)

4. Names of Interdisciplinary courses and the departments/ units involved:
   None

5. Annual/ semester/ choice based credit system (programme wise):
   B.A. Economics Honours: Annual Examinations (Part I, Part II and Part III Unit Test)

6. Participation of the department in the courses offered by other departments:
   Economics is offered as a general subject for the following Honours subjects:
   History, Political Science, Geography, English, Mathematics

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil

8. Details of courses/ programmes discontinued (if any) with reasons: Nil

9. Number of teaching posts:

<table>
<thead>
<tr>
<th>POSTS</th>
<th>SANCTIONED</th>
<th>FILLED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>Nil</td>
<td>Nil</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>04</td>
<td>04</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
10. Faculty profile with name, qualification, designation, specialization (D.Sc/ D.Litt./ Ph.D./ M.Phil. etc.):

\[
\begin{array}{|c|c|c|c|c|c|}
\hline
\text{name} & \text{qualification} & \text{designaion} & \text{specialisation} & \text{no. of years experience} & \text{no. of phd students} \\
\hline
\text{a)} & \text{current full time faculty} & & & & \\
\hline
\text{dr. saroj panja} & \text{m.a ph.d} & \text{associate professor} & \text{agricultural economics} & 30 & \text{nil} \\
\hline
\text{dr. rajnarayan gupta} & \text{m.a m.phil ph. d} & \text{associate professor} & \text{macroeconomics financial economics} & 19 & 1 \\
\hline
\text{dr. sudeshna chattopadhyay} & \text{m.sc m.phil ph. d} & \text{associate professor} & \text{trade, industry and environment} & 13 & \text{nil} \\
\hline
\text{tusar kanti samanta} & \text{m.sc regd. for ph.d} & \text{associate professor} & \text{equilibrium & game theory} & 1 & \text{nil} \\
\hline
\text{b) full time faculty transferred (since october 2010)} & & & & & \\
\hline
\text{dr. arindam bhattacharya} & \text{ph.d} & \text{assistant professor} & \text{macroeconomics} & \text{--} & \text{nil} \\
\hline
\text{dr. mriganka de sarkar} & \text{ph.d} & \text{assistant professor} & \text{econometrics} & \text{--} & \text{nil} \\
\hline
\text{tina barma} & \text{regd. for ph.d} & \text{assistant professor} & \text{--} & \text{--} & \text{nil} \\
\hline
\text{c) part-time faculty/guest faculty (morning)} & & & & & \\
\hline
\text{kakali bhattacharya} & \text{m.a.} & \text{part-time faculty} & \text{econometrics} & 18 & \text{nil} \\
\hline
\text{chandrani bhattacharya} & \text{m.a.} & \text{part-time faculty} & \text{international economics} & 5 & \text{nil} \\
\hline
\end{array}
\]

11. List of senior visiting faculty: None

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

\[
\begin{array}{|c|c|c|c|c|c|}
\hline
\text{name of temporary faculty with qualification} & \text{designation} & \text{programme} & \text{academic session taught} & \text{total no. of classes in the departmental routine} & \text{total no. of classes taught by temporary faculty} & \text{percentage of lectures delivered} \\
\hline
\text{kakali bhattacharya} & \text{part-time faculty} & \text{b.a. hons & general} & 2011-12 & 2000 & 500 & \text{nil} & 150 & 6 \\
\hline
& & & 2012-13 & 1980 & 495 & \text{nil} & 155 & 6.26 \\
\hline
& & & 2013-14 & 2015 & 510 & \text{nil} & 146 & 5.78 \\
\hline
& & & 2014-15 & 1990 & 502 & \text{nil} & 152 & 6.10 \\
\hline
\end{array}
\]
13. Student-Teacher Ratio (programme wise):

<table>
<thead>
<tr>
<th>Academic Session</th>
<th>Programme</th>
<th>No. of Students</th>
<th>No. of Teachers (at the beginning of Session)</th>
<th>Student: Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-2011</td>
<td>UG Hons.</td>
<td>25</td>
<td>4</td>
<td>25:4</td>
</tr>
<tr>
<td>2011-2012</td>
<td>UG Hons.</td>
<td>21</td>
<td>4</td>
<td>21:4</td>
</tr>
<tr>
<td>2012-2013</td>
<td>UG Hons.</td>
<td>22</td>
<td>4</td>
<td>22:4</td>
</tr>
<tr>
<td>2013-2014</td>
<td>UG Hons.</td>
<td>21</td>
<td>4</td>
<td>21:4</td>
</tr>
<tr>
<td>2014-2015</td>
<td>UG Hons.</td>
<td>17</td>
<td>4</td>
<td>17:4</td>
</tr>
</tbody>
</table>

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

<table>
<thead>
<tr>
<th>Post</th>
<th>Sanctioned</th>
<th>Filled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic support staff (technical)</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Administrative staff</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:

<table>
<thead>
<tr>
<th>Highest Qualification</th>
<th>No. of Teaching Faculty (Existing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>D.Sc./D.Litt.</td>
<td>0</td>
</tr>
<tr>
<td>Ph.D.</td>
<td>3</td>
</tr>
<tr>
<td>M. Phil.</td>
<td>......</td>
</tr>
<tr>
<td>PG</td>
<td>3</td>
</tr>
</tbody>
</table>

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre / facility recognized by the University: Nil

19. Publications:
Total No. of Publications of the Department (2010-15, during the teachers’ tenure at Barasat Government College) = 21
Publications details of Faculty:

**A) CURRENT FULL TIME FACULTY**

<table>
<thead>
<tr>
<th>NAME OF FACULTY</th>
<th>No. of papers in Peer reviewed National/International Journal</th>
<th>No. of publications listed in Int. Data base</th>
<th>Monograph</th>
<th>Chapter in Books</th>
<th>Books Edited</th>
<th>Books With ISSN/ISBN No.</th>
<th>Citation Index</th>
<th>SNIP</th>
<th>SJR</th>
<th>Impact Factor</th>
<th>H-Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Rajnarayan Gupta</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td>-</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Sudeshna Chattopadhyay</td>
<td>2</td>
<td>-</td>
<td>-</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**B) FULL TIME FACULTY TRANSFERRED (Since October 2010)**

<table>
<thead>
<tr>
<th>NAME OF FACULTY</th>
<th>No. of papers in Peer reviewed National/International Journal</th>
<th>No. of publications listed in Int. Data base</th>
<th>Monograph</th>
<th>Chapter in Books</th>
<th>Books Edited</th>
<th>Books With ISSN/ISBN No.</th>
<th>Citation Index</th>
<th>SNIP</th>
<th>SJR</th>
<th>Impact Factor</th>
<th>H-Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Arindam Bhattacharya</td>
<td>4</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Mriganka De Sarkar</td>
<td>4</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**20. Areas of consultancy and income generated:**

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Area of Consultancy</th>
<th>Agency</th>
<th>Period</th>
<th>Income generated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Arindam Bhattacharya</td>
<td>Compilation of District Human Development Report-North 24 Parganas</td>
<td>Planning Commission, Govt of India and Govt of West Bengal</td>
<td>Sept-2008-February-2010</td>
<td>NA (government college teachers cannot accept any remunerative assignment)</td>
</tr>
</tbody>
</table>

**21. Faculty as members in**

a) National committees b) International Committees c) Editorial Boards.

None

**22. Student projects:**

<table>
<thead>
<tr>
<th>Year</th>
<th>No. of projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012-13</td>
<td>0</td>
</tr>
<tr>
<td>2013-14</td>
<td>5</td>
</tr>
<tr>
<td>2014-15</td>
<td>9</td>
</tr>
</tbody>
</table>

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: None
23. Awards/Recognitions received by faculty and students:

Arindam Bhattacharya was awarded Ph.D in 2013 by University of Calcutta

24. List of eminent academicians and scientists/visitors to the department: Nil

25. Seminars/Conferences/Workshops organized & the source of funding

   a) **National**: Nil
   b) **International**: Nil

26. **Student profile programme/ course wise**:

<table>
<thead>
<tr>
<th>Name of the Course/programme</th>
<th>Applications received</th>
<th>Selected</th>
<th>Enrolled</th>
<th>Pass percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*M</td>
</tr>
<tr>
<td>2012-2013</td>
<td>41</td>
<td>06</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>2013-2014</td>
<td>29</td>
<td>06</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>2014-2015</td>
<td>31</td>
<td>01</td>
<td>-</td>
<td>1</td>
</tr>
<tr>
<td>2015-2016</td>
<td>61</td>
<td>30</td>
<td>21</td>
<td>09</td>
</tr>
</tbody>
</table>

*M = Male   *F = Female

27. **Diversity of Students**

<table>
<thead>
<tr>
<th>Name of the Course</th>
<th>% of students from the same state</th>
<th>% of students from other States</th>
<th>% of students from abroad</th>
</tr>
</thead>
<tbody>
<tr>
<td>B.A Economics (Honours)as in the last five academic sessions</td>
<td>100%</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

28. **How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.**:

Not available

29. **Student progression** (2011-2015)

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Against % enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td>100%</td>
</tr>
<tr>
<td>PG to M. Phil.</td>
<td>Not available</td>
</tr>
<tr>
<td>PG to Ph. D.</td>
<td>Not available</td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td>Not available</td>
</tr>
<tr>
<td>Employed</td>
<td>Not available</td>
</tr>
<tr>
<td>• Campus selection</td>
<td></td>
</tr>
<tr>
<td>• Other than campus recruitment</td>
<td></td>
</tr>
<tr>
<td>Entrepreneurship/ Self-employment</td>
<td>Not available</td>
</tr>
</tbody>
</table>
30. Details of Infrastructural facilities

a) Library: The department has a well-stocked seminar library. At present, there are 400 books. The students are allowed to borrow books for a month.

b) Internet facilities for Staff & Students: The department has two desktops and one laptop. Internet facility is available to both staff and students.

c) Class rooms with ICT facility: one

d) Laboratories: One (shared with Mathematics Department)

e) Photocopy Machine: the department has one photocopy machine that the department shares with the department of Mathematics.

31. Number of students receiving financial assistance from college, university, government or other agencies:

<table>
<thead>
<tr>
<th>Name of the scholarship/studentship</th>
<th>Session</th>
<th>No. of students receiving financial assistance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Total</td>
</tr>
<tr>
<td>DPI scholarship</td>
<td>2010-11</td>
<td>9</td>
</tr>
<tr>
<td>DPI scholarship</td>
<td>2011-12</td>
<td>0</td>
</tr>
<tr>
<td>DPI scholarship</td>
<td>2012-13</td>
<td>2</td>
</tr>
<tr>
<td>DPI scholarship</td>
<td>2013-14</td>
<td>0</td>
</tr>
<tr>
<td>DPI scholarship</td>
<td>2014-15</td>
<td>0</td>
</tr>
</tbody>
</table>

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts: Nil

33. Teaching methods adopted to improve student learning:
Microsoft Power Point is used for making presentations using projector. The students are also encouraged to prepare their own power point presentations. Teachers organize class room quiz-competition on various topics from the syllabus. The students are encouraged to download and read e-Books for different papers.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:
The students of the departments actively participate in outreach programme or extension activities like blood donation/plantation in the college campus etc. organised by NSS committee of the college inside and outside the college campus.
35. **SWOC analysis of the department and Future plans:**

<table>
<thead>
<tr>
<th>Strengths</th>
<th>Weaknesses</th>
<th>Opportunities</th>
<th>Challenges</th>
<th>Future Plan</th>
</tr>
</thead>
<tbody>
<tr>
<td>All teaching posts are filled up</td>
<td>Department needs a separate computer laboratory, so far it has shared one with the Department of Mathematics. The Department has only one classroom. Another classroom and additional space is required.</td>
<td>To make the subject more interesting the department has some opportunity to put more emphasis on e-learning.</td>
<td>Since few students opt for Economics Honours course it is the challenge of the department to motivate students to pursue the course. Department provides regular counselling to students regarding various career opportunities and the scope for higher studies in the subject.</td>
<td>To equip the students for the job market the department plans to offer specialized courses in statistical software packages like: Excel, SPSS and STATA.</td>
</tr>
<tr>
<td>Most of the teachers have Ph. D degree</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Department has a large and well maintained seminar library.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
5. Department of English

1. Name of the department: ENGLISH
2. Year of Establishment: 1950
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters, Integrated Ph.D., etc.):
   UG (B.A. English Honours and English General)
4. Names of Interdisciplinary courses and the departments/ units involved:
   NONE
5. Annual/ semester/ choice based credit system (programme wise):
   B.A. English Honours: Annual Examinations (Part I, Part II and Part III)
6. Participation of the department in the courses offered by other departments:
   English is offered as a General Subject for the following Honours subjects - Bengali, History, Political Science and Philosophy.
   English is also offered as a subject in the B.A. General Course, in the Morning Section.
7. Courses in collaboration with other universities, industries, foreign institutions, etc.:
   Nil
8. Details of courses/ programmes discontinued (if any) with reasons:
   Compulsory English course has been discontinued by West Bengal State University from the session 2012-2013.
9. Number of teaching posts:

<table>
<thead>
<tr>
<th>POSTS</th>
<th>SANCTIONED</th>
<th>FILLED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>06</td>
<td>01</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td></td>
<td>02</td>
</tr>
</tbody>
</table>
10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D./M.Phil., etc.):

<table>
<thead>
<tr>
<th>NAME</th>
<th>QUALIFICATION</th>
<th>DESIGNATION</th>
<th>SPECIALISATION</th>
<th>No. OF YEARS EXPERIENCE</th>
<th>No. OF PhD STUDENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A) CURRENT FULL-TIME FACULTY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Basabi Roy Chowdhury</td>
<td>M.A., M. Phil, PhD, PG Diploma in Higher Education</td>
<td>Associate Professor</td>
<td>Novels of Charles Dickens &amp; Children's Literature</td>
<td>32 years</td>
<td>NONE</td>
</tr>
<tr>
<td>Swaty Mitra</td>
<td>M.A., M. Phil, Regd. for PhD</td>
<td>Assistant Professor</td>
<td>Novels of Doris Lessing and Post Fifties Novels; and American Literature</td>
<td>8 years 6 months</td>
<td>NONE</td>
</tr>
<tr>
<td>Ambarish Sen</td>
<td>M.A., B. ED. Regd. for PhD</td>
<td>Assistant Professor</td>
<td>American Literature; and Research Area: Indian Diasporic Novels</td>
<td>6 years</td>
<td></td>
</tr>
<tr>
<td>B) FULL-TIME FACULTY TRANSFERRED/ON-LIEN (Since October 2010)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Debjani Ray Moulik</td>
<td>M.A., M. Phil. PhD</td>
<td>Assistant Professor</td>
<td>19th Century Bengal Translations</td>
<td>6 years (transferred to Muragachha College in May 2015)</td>
<td>NONE</td>
</tr>
<tr>
<td>Sharmistha Das</td>
<td>M.A. M.Phil.</td>
<td>Assistant Professor</td>
<td>Post Fifties Novels</td>
<td>6 years (on-lien, joined non-govt. college)</td>
<td>NONE</td>
</tr>
<tr>
<td>Mandira Mitra</td>
<td>M.A. Regd. for PhD</td>
<td>Assistant Professor</td>
<td>Narrative Theories</td>
<td>6 years (transferred to Bethune College in 2011)</td>
<td>NONE</td>
</tr>
</tbody>
</table>
### C) PART-TIME (EXISTING) FACULTY/GUEST FACULTY (Day)

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Position</th>
<th>Subject</th>
<th>Years</th>
<th>Post-Retirement Service in Barsat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swapan K. Kanjilal</td>
<td>M. A. LLB.</td>
<td>Retd. Professor</td>
<td>Critical Theory</td>
<td>6 years</td>
<td>NONE</td>
</tr>
</tbody>
</table>

### D) PART-TIME (EXISTING) FACULTY/GUEST FACULTY (Morning)

* (The UG General Course in English is conducted in the MORNING SECTION by part-time faculty)

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Position</th>
<th>Subject</th>
<th>Years</th>
<th>NONE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swapan K. Kanjilal</td>
<td>M. A. LLB.</td>
<td>Retd. Prof</td>
<td>Critical Theory</td>
<td>6 years</td>
<td>NONE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Position</th>
<th>Subject</th>
<th>Years</th>
<th>NONE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mousumi Roy</td>
<td>M. A. B.Ed</td>
<td>Part-time</td>
<td>Tagore Literature</td>
<td>24 years</td>
<td>NONE</td>
</tr>
<tr>
<td>Niloy Chakraborty</td>
<td>M. A.</td>
<td>Part-time</td>
<td>American Literature</td>
<td>16 years</td>
<td>NONE</td>
</tr>
</tbody>
</table>

### E) PART-TIME FACULTY/GUEST FACULTY RESIGNED (Day 2010-2014)

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Position</th>
<th>Subject</th>
<th>Years</th>
<th>Post-Retirement Service in Barsat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kuntala Sengupta</td>
<td>M.A. Regd. for PhD</td>
<td>Part-time Faculty</td>
<td>Modernist Interrelations: Art and Literature in the Works of Sylvia Plath.</td>
<td>5 years</td>
<td>(Resigned to join J.D. Birla Institute in 2014 in Substantive post)</td>
</tr>
<tr>
<td>Souvik Das</td>
<td>M.A. B. Ed</td>
<td>Part-time</td>
<td>Ancient European Literature</td>
<td>4 years</td>
<td>(Resigned on receiving placement in school through SSC in 2014)</td>
</tr>
<tr>
<td>Md. Sahariar Mondal</td>
<td>M.A. B. Ed</td>
<td>Part-time</td>
<td>Modern Australian and American Literature</td>
<td>3 years</td>
<td>(Resigned on receiving placement in school through SSC in 2013)</td>
</tr>
</tbody>
</table>

11. List of senior visiting faculty: NONE
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: (Per Week)

<table>
<thead>
<tr>
<th>Name of temporary faculty with Qualification</th>
<th>Designation</th>
<th>Programme</th>
<th>Academic Session Taught</th>
<th>Total No. of classes taught by temporary faculty</th>
<th>Total No. of classes in the Departmental Routine</th>
<th>Percentage of lectures delivered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swapan K. Kanjilal M.A.</td>
<td>Part-time Faculty</td>
<td>B.A. Hons. &amp; General</td>
<td>2011-12: 78 09 87</td>
<td>Hons. Gen. Total: 8 1 09</td>
<td>10.34%</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2012-13: 85 07 92</td>
<td></td>
<td></td>
<td>9.78%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2013-14: 85 07 92</td>
<td></td>
<td></td>
<td>8.69%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2014-15: 79 08 87</td>
<td></td>
<td>6 1 07</td>
<td>8.04%</td>
</tr>
<tr>
<td>Kuntala Sengupta M.A.</td>
<td>Part-time Faculty</td>
<td>B.A. Hons &amp; General</td>
<td>2011-12: 78 09 87</td>
<td>Hons. Gen. Total: 8 1 09</td>
<td>10.34%</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2012-13: 85 07 92</td>
<td></td>
<td></td>
<td>9.78%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2013-14: 85 07 92</td>
<td></td>
<td></td>
<td>8.69%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2014-15: 79 08 87</td>
<td></td>
<td>6 1 07</td>
<td>8.04%</td>
</tr>
<tr>
<td>Souvik Das M.A.</td>
<td>Part-time Faculty</td>
<td>B.A. Hons &amp; General</td>
<td>2011-12: 78 09 87</td>
<td>Hons. Gen. Total: 7 2 09</td>
<td>10.34%</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2012-13: 85 07 92</td>
<td></td>
<td></td>
<td>10.86%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2013-14: 85 07 92</td>
<td></td>
<td></td>
<td>9.78%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2014-15: 79 08 87</td>
<td></td>
<td>6 1 07</td>
<td>8.04%</td>
</tr>
<tr>
<td>Md. Sahariar Mondal M.A.</td>
<td>Part-time Faculty</td>
<td>B.A. Hons &amp; General</td>
<td>2011-12: 78 09 87</td>
<td>Hons. Gen. Total: 7 2 09</td>
<td>10.34%</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2012-13: 85 07 92</td>
<td></td>
<td></td>
<td>10.86%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2013-14: 85 07 92</td>
<td></td>
<td></td>
<td>9.78%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2014-15: 79 08 87</td>
<td></td>
<td>6 1 07</td>
<td>8.04%</td>
</tr>
</tbody>
</table>

*(The UG General Course in English in the MORNING SECTION is conducted completely by part-time faculties)*

<table>
<thead>
<tr>
<th>Name of temporary faculty with Qualification</th>
<th>Designation</th>
<th>Programme</th>
<th>Academic Session Taught</th>
<th>Total No. of classes in the Departmental Routine</th>
<th>Total No. of classes taught by temporary faculty</th>
<th>Percentage of lectures delivered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mousumi Roy</td>
<td>Part-time Faculty</td>
<td>B.A. Hons and General</td>
<td>2011-12: NONE</td>
<td>Hons. Gen. Total: 18</td>
<td>NONE</td>
<td>09</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2012-13</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2013-14</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2014-15</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Niloy Chakraborty</td>
<td>Part-time Faculty</td>
<td>B.A. Hons and General</td>
<td>2011-12: NONE</td>
<td>Hons. Gen. Total: 18</td>
<td>NONE</td>
<td>09</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2012-13</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2013-14</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2014-15</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
13. Student-Teacher Ratio (programme wise):

<table>
<thead>
<tr>
<th>Academic Session</th>
<th>Programme</th>
<th>No. of Students</th>
<th>No. of Teachers (at the beginning of Session)</th>
<th>Student: Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-2011</td>
<td>UG Hons.</td>
<td>170</td>
<td>8</td>
<td>21: 1</td>
</tr>
<tr>
<td>2011-2012</td>
<td>UG Hons.</td>
<td>177</td>
<td>8</td>
<td>22: 1</td>
</tr>
<tr>
<td>2012-2013</td>
<td>UG Hons.</td>
<td>196</td>
<td>8</td>
<td>24: 1</td>
</tr>
<tr>
<td>2013-2014</td>
<td>UG Hons.</td>
<td>216</td>
<td>8</td>
<td>27: 1</td>
</tr>
<tr>
<td>2014-2015</td>
<td>UG Hons.</td>
<td>222</td>
<td>5</td>
<td>28:1</td>
</tr>
</tbody>
</table>

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: None

15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:

<table>
<thead>
<tr>
<th>Highest Qualification</th>
<th>No. of Teaching Faculty (Current Full-time and Part-time Faculties)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PhD</td>
<td>1</td>
</tr>
<tr>
<td>M. Phil.</td>
<td>1</td>
</tr>
<tr>
<td>PG</td>
<td>2</td>
</tr>
</tbody>
</table>

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

NONE

17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc. and total grants received:

NONE

18. Research Centre / facility recognized by the University:

NONE

19. Publications:

Total No. of Publications of the Department (2010-15, during the teachers’ tenure at Barasat Government College) = 25 (all are national level publications)
Publications details of FACULTY

A) CURRENT FULL TIME FACULTY

<table>
<thead>
<tr>
<th>NAME OF FACULTY</th>
<th>No. of papers in Peer reviewed National Journal/International Journal</th>
<th>No. of publications listed in Int. Data base</th>
<th>Monograph</th>
<th>Chapter in Books</th>
<th>Books Edited</th>
<th>Books With ISSN/ISBN No.</th>
<th>Citation Index</th>
<th>SNIP</th>
<th>SJR</th>
<th>Impact Factor</th>
<th>H-Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basabi Roy Chowdhury</td>
<td>1 (jointly)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Swaty Mitra</td>
<td>1</td>
<td>1 (jointly)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mr. Ambarish Sen</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

B) FULL TIME FACULTY TRANSFERRED/ON-LIEN (Since October 2010)

<table>
<thead>
<tr>
<th>NAME OF FACULTY</th>
<th>No. of papers in Peer reviewed National Journal/International Journal</th>
<th>No. of publications listed in Int. Data base</th>
<th>Monograph</th>
<th>Chapter in Books</th>
<th>Books Edited</th>
<th>Books With ISSN/ISBN No.</th>
<th>Citation Index</th>
<th>SNIP</th>
<th>SJR</th>
<th>Impact Factor</th>
<th>H-Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Debjani Ray Moulik (transferred May, 2015)</td>
<td>3</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sharmistha Das (on-lien from Apr 2015)</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

C) PART-TIME FACULTY/GUEST FACULTY (Day)

<table>
<thead>
<tr>
<th>NAME OF FACULTY</th>
<th>No. of papers in Peer reviewed National Journal/International Journal</th>
<th>No. of publications listed in Int. Data base</th>
<th>Monograph</th>
<th>Chapter in Books</th>
<th>Books Edited</th>
<th>Books With ISSN/ISBN No.</th>
<th>Citation Index</th>
<th>SNIP</th>
<th>SJR</th>
<th>Impact Factor</th>
<th>H-Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swapan K. Kanjilal</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kuntala Sengupta (2011-14)</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

20. Areas of consultancy and income generated: (non-profit services rendered) :

NONE
21. Faculty as members in
   a) National committees  b) International Committees  c) Editorial Boards ….

<table>
<thead>
<tr>
<th>NAME OF FACULTY</th>
<th>National committees/International Committees /Editorial Boards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swaty Mitra</td>
<td>The International Doris Lessing Society (since 2004)</td>
</tr>
<tr>
<td></td>
<td><a href="https://dorislessingsociety.wordpress.com/">https://dorislessingsociety.wordpress.com/</a></td>
</tr>
<tr>
<td>Ambarish Sen</td>
<td>National Association for the Blind</td>
</tr>
</tbody>
</table>

22. Student projects:
   a) Percentage of students who have done in-house projects including inter-departmental/programme:

   **PROJECTS**
   - IInd year Students in 2011-12, 2012-13: Did projects on *Pride and Prejudice: A Process of Reading* – mandatory exercise for all as it is a compulsory paper.
   - In 2014-2015
     - All three years (I, II, III) were divided into groups for group projects and seminars.
     - 1st Year: Project on History of English Literature
     - IInd Year: On the development and types of the Early English Novel in 18th c.
     - IIIrd Year: History of English Literature (Modern Period and thereafter).
     - The project-seminar method was chosen to inculcate research interests in students, develop confidence in their subjects, and to train them in public speaking.

   b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies:
   - Nil

23. Awards/Recognitions received by faculty and students

   **Faculty:**
   1. Dr. Debjani Ray Moulik received her PhD award for her thesis entitled "Translating Drama: Viewing Surendra-Binodini ans Sarat-Sarojini in the Light of Colonial and Post-colonial Studies" in December 2013.
   2. Ambarish Sen received the State Award for Performance and Achievement as a Disabled Person in the field of Academics, December 2011.
Student:
1. Dhiman Roy received the UGC NET-JRF in December 2014.
2. Debanjan Mitra received the UGC NET-JRF in June 2014.

24. List of eminent academicians and scientists/visitors to the department:
NONE

25. Seminars/Conferences/Workshops organized & the source of funding
a) National: Two (in Collaboration)

<table>
<thead>
<tr>
<th>THEME</th>
<th>LEVEL</th>
<th>FUNDING AGENCY</th>
<th>DATE</th>
<th>COLLABORATOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Women and Literature: Different Faces, Different Voices</td>
<td>National</td>
<td>UGC</td>
<td>Barasat, 17-18 January 2012</td>
<td>Joint seminar by English, History, Sanskrit and Philosophy in collaboration with the School of Women’s Studies, Jadavpur University</td>
</tr>
<tr>
<td>Literature in Translation</td>
<td>National</td>
<td>UGC</td>
<td>Bidhan Nagar, August 2013</td>
<td>Collaborated with the Department of English, Bidhan Nagar College, Kolkata</td>
</tr>
</tbody>
</table>

b) International: Nil

26. Student profile programme/course wise:

<table>
<thead>
<tr>
<th>Name of the Course/programme</th>
<th>Applications received</th>
<th>Selected</th>
<th>Enrolled</th>
<th>No. of Students Appeared in the Final Exam in that year.</th>
<th>Total No. of Students passed</th>
<th>No. of First Classes</th>
<th>Pass percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Honours</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2010-2011</td>
<td>1159</td>
<td>55</td>
<td>19</td>
<td>36</td>
<td>41</td>
<td>39</td>
<td>01</td>
</tr>
<tr>
<td>2011-2012</td>
<td>1159</td>
<td>66</td>
<td>24</td>
<td>42</td>
<td>40</td>
<td>38</td>
<td>03</td>
</tr>
<tr>
<td>2012-2013</td>
<td>1316</td>
<td>75</td>
<td>25</td>
<td>50</td>
<td>47</td>
<td>43</td>
<td>01</td>
</tr>
<tr>
<td>2013-2014</td>
<td>1447</td>
<td>75</td>
<td>32</td>
<td>43</td>
<td>46</td>
<td>40</td>
<td>04</td>
</tr>
<tr>
<td>2014-2015</td>
<td>846</td>
<td>72</td>
<td>21</td>
<td>51</td>
<td>54</td>
<td>50</td>
<td>02</td>
</tr>
</tbody>
</table>

*M = Male  *F = Female
27. Diversity of Students

<table>
<thead>
<tr>
<th>Name of the Course</th>
<th>% of students from the same state</th>
<th>% of students from other States</th>
<th>% of students From abroad</th>
</tr>
</thead>
<tbody>
<tr>
<td>B.A. English (Honours) as in the last five academic sessions</td>
<td>100%</td>
<td>nil</td>
<td>nil</td>
</tr>
</tbody>
</table>

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.

<table>
<thead>
<tr>
<th>Name of the Competitive Examination</th>
<th>No. of students passed (since 2011)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NET</td>
<td>04</td>
</tr>
<tr>
<td>SET</td>
<td>01</td>
</tr>
<tr>
<td>Others (Civil Services, Defence services, etc.)</td>
<td>Staff Selection (01) Primary Teacher’s TET (01)</td>
</tr>
</tbody>
</table>

* As communicated verbally.

29. Student progression: (2011-2015)

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Against % enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td>75%</td>
</tr>
<tr>
<td>PG to M. Phil.</td>
<td>No data available</td>
</tr>
<tr>
<td>PG to Ph. D.</td>
<td>No data available</td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td>No data available</td>
</tr>
<tr>
<td>Employed</td>
<td>No data available</td>
</tr>
<tr>
<td>• Campus selection</td>
<td></td>
</tr>
<tr>
<td>• Other than campus recruitment</td>
<td>No data available</td>
</tr>
<tr>
<td>Entrepreneurship/ Self-employment</td>
<td>No data available</td>
</tr>
</tbody>
</table>

* As communicated verbally.

30. Details of Infrastructural facilities

a) Library:

The Seminar Library of the department has over 900 books. The process of addition to this collection takes place regularly. The students are allowed to borrow books for a fortnight.

b) Internet facilities for Staff & Students:

As the College has wi-fi connections it enables teachers to use ICTs in all classes with the help of the departmental laptop. The library, including seminar library, has internet connections and available computers for students’ use.
c) **Class rooms with ICT facility:**

Faculties make use of Information and Communication Technologies (such as, Open Educational Resources, wikies) in the class rooms. For film shows, documentaries and similar audio-visual sessions, the department also uses the conference hall and the hall in the Physics department.

Students are encouraged to access material through INFLIBNET in the library for secondary material. The faculty uses the audio-video facilities offered by the *British Council Library* to develop teaching aids.

d) **Laboratories:**

Although the Department is yet to have a language Laboratory, the available ICT facilities and audio-visual aids from *British Council Library* are used in classes.

### 31. Number of students receiving financial assistance from college, university, government or other agencies:

<table>
<thead>
<tr>
<th>Name of the Scholarship/Studentship</th>
<th>Session</th>
<th>No. of Students receiving financial assistance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Total</td>
</tr>
<tr>
<td><strong>FULL-FREESHIP</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2011-12</td>
<td>13</td>
<td>3</td>
</tr>
<tr>
<td>2012-13</td>
<td>01</td>
<td>0</td>
</tr>
<tr>
<td>2013-14</td>
<td>03</td>
<td>1</td>
</tr>
<tr>
<td>2014-15</td>
<td>15</td>
<td>2</td>
</tr>
<tr>
<td><strong>HALF-FREESHIP</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2011-12</td>
<td>17</td>
<td>6</td>
</tr>
<tr>
<td>2012-13</td>
<td>00</td>
<td>0</td>
</tr>
<tr>
<td>2013-14</td>
<td>25</td>
<td>12</td>
</tr>
<tr>
<td>2014-15</td>
<td>20</td>
<td>3</td>
</tr>
</tbody>
</table>

Besides the above stated scholarship, other government and/or private scholarships are availed by the students.

However as these are disbursed centrally and not channelized through the academic departments, the records are not maintained by individual departments.

### 32. Details of student enrichment programmes (special lectures/workshops/ seminar) with external experts:

<table>
<thead>
<tr>
<th>Student Enrichment Programme</th>
<th>Held on</th>
<th>Title</th>
<th>Funding Agency</th>
<th>External Expert/Resource Person/ Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special Lecture</td>
<td>18.02.2014</td>
<td><em>Epic Catalogue in Milton’s Paradise Lost</em></td>
<td>Sharmistha Mitra, Associate Professor and Head of the Department of English, Jhargram Raj College</td>
<td></td>
</tr>
<tr>
<td>----------------</td>
<td>------------</td>
<td>------------------------------------------</td>
<td>--------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Workshop</td>
<td>07.01.2015</td>
<td>On the Prospects of Comparative Literature</td>
<td>Faculty, Department of Comparative Literature, West Bengal State University</td>
<td></td>
</tr>
</tbody>
</table>

33. **Teaching methods adopted to improve student learning:**

The Department has undertaken several methods to improve teaching-learning process. The following are the methods implemented regularly:

a) Regular assessment through home assignments, class tests, class discussions.

b) Use of Information and Communication Technologies (ICTs) in class rooms to enliven lectures through visual aids.

c) Use of exercises to increase students’ language skills through Story-telling sessions, extempore speeches and Quizzes.

d) Seminar projects are organized to inculcate research interests and to develop presentation skills among students.

e) Film shows are arranged to generate greater interests in course material. You Tube material are used, particularly for poetry teaching.

f) Wall-magazines and cultural interactions within the department are encouraged to generate platforms for exchange of ideas.

34. **Participation in Institutional Social Responsibility (ISR) and Extension activities:**

- Ambarish Sen is particularly involved in programmes for the betterment of blind persons. He is a member of several social organizations, working for the welfare, education and rehabilitation of the blind. He has been working for (1.) National Association for the Blind, (2.) Society for the Welfare of the Blind and (3.) Blind Persons' Association.

- The Faculties take personal interest in students’ welfare and whenever needs arise they assist students, counsel and motivate them.
35. SWOC analysis of the department and Future plans:

**STRENGTHS**

- **Dedication**: The Department is dedicated towards student progression and the faculties are eager to improve and improvise.
- **Regularity**: The department stresses on regularity. Regular classes, interactions and assessments, take place. Records are maintained systematically, including detailed records of students.
- **Innovations**: Faculties employ innovative methods and ICTs in class-room teaching. Each teacher tries to make class room sessions interactive.
- **Seminar Library**: The Department has weekly seminar library hours for every year. The seminar library is well-stocked with over 900 books. Students can use the seminar library room to read books as well as to access the huge amount of e-resources available through Inflibnet from the seminar library.
- **Seminar-Projects**: The seminar-project method helps to inculcate research orientation in students, as well as generate greater interest in the course.
- **Language sessions**: The department keenly addresses the language barrier that exists among students. It employs productive methods to encourage students to develop their communicative skills through regular group discussions, extempore, jamming sessions, story-telling sessions and quizzes.
- **Teacher-Student Relationship**: The bonding between students and teachers of the department is extremely close and the cordial relationship continues even after the students complete the course and leave the college.

**WEAKNESSES**

- The department does not have a room of its own which limits its activities.
- Teachers are transferred erratically which affects the functioning of the department.
- Number of intake is high which increases the student: teacher ratio considerably.
- The department does not have a seminar library of its own, and uses a shared seminar library of UG arts.
- The department does not have a journal of its own, which requires immediate address.
OPPORTUNITIES

 Some of the most meritorious students from arts and science streams enrol for Honours in English, which denotes inherent academic excellence.
 The departmental wall magazine, Open Window, offers a space for creative expressions.
 The Faculty is research oriented and prefers innovative and project-seminar methods. This helps to instill research interests in students (Details in Annexure: English).
 To increase departmental interactions the students have opened an alumni group on Facebook. https://www.facebook.com/pages/Alumni-Association-English-Dept-Barasat-Govt-College/

CHALLENGES

☞ It is a challenge to track irregular students, and draw them to class.
☞ The department’s attempts to address the language barrier is limited by
   a) Time, as it has to complete the university syllabus.
   b) Infra-structure, as the college is yet to have a language lab.

FUTURE PLANS:

1. To publish a departmental Journal.
2. To develop the communicative skills of the students through a bridge course in English language before the commencement of every new session. This may be done by collaborating with the British Council, Kolkata, which has shown interest, though the logistics have to be worked out.
3. To organize an inter-college students’ seminar, and organise more conferences/seminars.
4. To invite eminent teachers for special lectures.
5. To consider comparative literature as a possible subsidiary subject.
6. To encourage students to participate in student seminars in other institutions.
7. To target holistic learning by incorporating different performing arts, creative pursuits, etc. within the ambit of the existing syllabus.
8. To have special value-engendering sessions to inculcate a sense of responsibility and accountability to self, institution and society.
6. DEPARTMENT OF GEOGRAPHY

1. Name of the department: Geography

2. Year of Establishment: 1996

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters, Integrated Ph.D., etc.): UG

4. Names of Interdisciplinary courses and the departments/ units involved: No

5. Annual/ semester/ choice based credit system (programme wise): Annual Exam

B.Sc Geography Honours: Annual Examinations (Part I, Part II and Part III)

6. Participation of the department in the courses offered by other departments: No

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: No

8. Details of courses/ programmes discontinued (if any) with reasons: No

9. Number of teaching posts:

<table>
<thead>
<tr>
<th>POSTS</th>
<th>SANCTIONED</th>
<th>FILLED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>Nil</td>
<td>NA</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>6</td>
<td>1</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td></td>
<td>5</td>
</tr>
</tbody>
</table>

10. Faculty profile with name, qualification, designation, specialization (D.Sc/D.Litt./Ph.D./ M.Phil. etc.):

<table>
<thead>
<tr>
<th>NAME</th>
<th>QUALIFICATION</th>
<th>DESIGNATION</th>
<th>SPECIALISATION</th>
<th>NO. OF YEARS EXPERIENCE</th>
<th>NO. OF PhD STUDENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sujit Kumar Bhattacharyya</td>
<td>M.A</td>
<td>Associate Professor</td>
<td>Regional Planning</td>
<td>31</td>
<td>Nil</td>
</tr>
<tr>
<td>Dr. Ruksanara Begum</td>
<td>M.Sc, Ph.D</td>
<td>Assistant Professor</td>
<td>Cartography</td>
<td>9</td>
<td>Nil</td>
</tr>
</tbody>
</table>
### Evaluative Reports of the Departments

#### Dr. Sourama Saha
- **M.A, Ph.D**
- **Assistant Professor**
- **Agricultural Geography**
- **10**
- **Nil**

#### Dr. Chandan Surabhi Das
- **M.Sc, Ph.D**
- **Assistant Professor**
- **Cartography & Bio Geography**
- **08**
- **Nil**

#### Shrabana Mazumder
- **M.A, M.Phil**
- **Assistant Professor**
- **Environmental Studies in Geography**
- **04**
- **Nil**

#### Aznarul Islam
- **M.Sc, M.Phil**
- **Assistant Professor**
- **Urban Geography**
- **01**
- **Nil**

#### B) FULL TIME FACULTY, TRANSFERRED (Since October 2010)

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualification</th>
<th>Designation</th>
<th>Subject</th>
<th>No.</th>
<th>NIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dulal Chandra Das</td>
<td>M.A</td>
<td>Associate Professor</td>
<td>Cartography</td>
<td>28</td>
<td>Nil</td>
</tr>
<tr>
<td>Harekrishna Dutta</td>
<td>M.A</td>
<td>Associate Professor</td>
<td>Fluvial Geomorphology</td>
<td>29</td>
<td>Nil</td>
</tr>
<tr>
<td>Dr. Gunodhar Manna</td>
<td>M.Sc, Ph.D</td>
<td>Assistant Professor</td>
<td>Cartography</td>
<td>15</td>
<td>Nil</td>
</tr>
</tbody>
</table>

11. **List of senior visiting faculty:** Nil

12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:** N.A.

13. **Student-Teacher Ratio (programme wise):**

<table>
<thead>
<tr>
<th>Academic Session</th>
<th>Programme</th>
<th>No. of Students</th>
<th>No. of Teachers (at the beginning of Session)</th>
<th>Student: Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-2011</td>
<td>UG Hons.</td>
<td>120</td>
<td>4</td>
<td>30: 1</td>
</tr>
<tr>
<td>2011-2012</td>
<td>UG Hons.</td>
<td>118</td>
<td>5</td>
<td>24: 1</td>
</tr>
<tr>
<td>2012-2013</td>
<td>UG Hons.</td>
<td>119</td>
<td>5</td>
<td>24: 1</td>
</tr>
<tr>
<td>2013-2014</td>
<td>UG Hons.</td>
<td>139</td>
<td>4</td>
<td>35: 1</td>
</tr>
<tr>
<td>2014-2015</td>
<td>UG Hons.</td>
<td>150</td>
<td>6</td>
<td>25: 1</td>
</tr>
</tbody>
</table>
14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled:**

<table>
<thead>
<tr>
<th>Post</th>
<th>Sanctioned</th>
<th>Filled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic support staff</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>(technical)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Administrative staff</td>
<td>02</td>
<td>02</td>
</tr>
</tbody>
</table>

15. **Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:**

<table>
<thead>
<tr>
<th>Highest Qualification</th>
<th>No. of Teaching Faculty(Existing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>D.Sc./D.Litt.</td>
<td>Nil</td>
</tr>
<tr>
<td>Ph.D.</td>
<td>3</td>
</tr>
<tr>
<td>M. Phil.</td>
<td>2</td>
</tr>
<tr>
<td>PG</td>
<td>6</td>
</tr>
</tbody>
</table>

16. **Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:**

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Title of the project</th>
<th>Duration</th>
<th>Funding Agency</th>
<th>Grant Sanctioned (Rs.)</th>
<th>Grant Received (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Chandan Surabhi</td>
<td>‘Monitoring the Sundarban Ecosystem and its Livelihood using Geo-</td>
<td>July 2014</td>
<td>UGC</td>
<td>4,15,000</td>
<td>2,97,500</td>
</tr>
<tr>
<td>Das</td>
<td>spatial technique: A case study of Gosaba Block</td>
<td>to July 2016</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

17. **Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc. and total grants received:** UGC, Grant Received in Rs: 2, 97,500/-

18. **Research Centre / facility recognized by the University:** No

19. **Publications:**
Total No. of Publications of the Department (2010-15, during the teachers’ tenure at Barasat Government College) =

- Paper : 21
- Book : 9
- Edited Book : 7
Publications details of Faculty:

### A) CURRENT FULL TIME FACULTY

<table>
<thead>
<tr>
<th>NAME OF FACULTY</th>
<th>No. of papers in Peer reviewed National/International Journal</th>
<th>No. of publications listed in Int. Data base</th>
<th>Monograph</th>
<th>Chapter in Books</th>
<th>Books Edited</th>
<th>Books With ISSN/ISBN No.</th>
<th>Citation Index</th>
<th>SNIP</th>
<th>SJR</th>
<th>Impact Factor</th>
<th>H-Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sujit Kumar Bhattacharyya</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Ruksanara Begum</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Sourama Saha</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>-</td>
<td>--</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Chandan Surabhi Das</td>
<td>6</td>
<td>0</td>
<td>4</td>
<td>4</td>
<td>1.25</td>
<td>2.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shrabana Mazumder</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aznarul Islam</td>
<td>6</td>
<td>0</td>
<td>1</td>
<td>4</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### A) FULL TIME FACULTY TRANSFERRED/ON-LIEN (Since October 2010)

<table>
<thead>
<tr>
<th>NAME OF FACULTY</th>
<th>No. of papers in Peer reviewed National/International Journal</th>
<th>No. of publications listed in Int. Data base</th>
<th>Monograph</th>
<th>Chapter in Books</th>
<th>Books Edited</th>
<th>Books With ISSN/ISBN No.</th>
<th>Citation Index</th>
<th>SNIP</th>
<th>SJR</th>
<th>Impact Factor</th>
<th>H-Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dulal Chandra Das</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>3</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Harekrishna Datta</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Gunodhar Manna</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

20. **Areas of consultancy and income generated:**
Nil
21. Faculty as members in
a) National committees b) International Committees c) Editorial Boards…

<table>
<thead>
<tr>
<th>NAME OF FACULTY</th>
<th>National committees/International Committees /Editorial Boards….</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Ruksanara Begum</td>
<td>Member of the editorial board of Academic Journal “Aureole”</td>
</tr>
<tr>
<td>Dr. Chandan Surabhi Das</td>
<td>Member of the editorial board of Academic Journal “Monan”</td>
</tr>
</tbody>
</table>

22. Student projects:

<table>
<thead>
<tr>
<th>Year</th>
<th>Title of the project (Project done jointly by the students)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010 - 2011</td>
<td>Geo-cultural landscape of Panchmari town, M.P.</td>
</tr>
<tr>
<td>2011 - 2012</td>
<td>Falti: An approach to Geographical Study with its Varied landscape</td>
</tr>
</tbody>
</table>

b) Percentage of students placed for projects in organizations outside the institution, i.e. in Research laboratories/Industry/ Other agencies: No

23. Awards/Recognitions received by faculty and students:
A: Faculty
   i) 2010-11: Sourama Saha awarded PhD in Geography from University of Calcutta
   ii) 2010-11: Ruksanara Begum awarded PhD in Geography from University of Calcutta

B. Student

<table>
<thead>
<tr>
<th>Name of the Student participants</th>
<th>Name of the Programme</th>
<th>Date</th>
<th>Specify whether award received</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tanmoy Sardar (Pass out in 2012)</td>
<td>UGC Rank holder’s scholarship, NET- Dec. 2014</td>
<td>2014</td>
<td>Yes</td>
</tr>
<tr>
<td>Prosenjeet Bala</td>
<td>UGC Rank holder’s scholarship, NET-June. 2013</td>
<td>2013</td>
<td>Yes</td>
</tr>
<tr>
<td>Taniya Biswas</td>
<td>UGC Lectureship, NET-Dec. 2013</td>
<td>2013</td>
<td>Yes</td>
</tr>
</tbody>
</table>

24. List of eminent academicians and scientists/visitors to the department: Nil
25. Seminars/Conferences/Workshops organized & the source of funding
   a) National: Nil
   b) International: Nil

26. Student profile programme/ course wise:

<table>
<thead>
<tr>
<th>Name of the Course/programme</th>
<th>Applications received</th>
<th>Selected</th>
<th>Enrolled</th>
<th>Pass percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>*M</td>
<td>*F</td>
</tr>
<tr>
<td>2012-13 UG Hons.</td>
<td>1,237</td>
<td>47</td>
<td>22</td>
<td>25 100%</td>
</tr>
<tr>
<td>2013-14 UG Hons.</td>
<td>1,266</td>
<td>52</td>
<td>30</td>
<td>22 90%</td>
</tr>
<tr>
<td>2014-15 UG Hons.</td>
<td>1,164</td>
<td>53</td>
<td>20</td>
<td>33 N.A(result not declared)</td>
</tr>
<tr>
<td>2015-16 UG Hons.</td>
<td>1,160</td>
<td>52</td>
<td>24</td>
<td>28 N.A(result not declared)</td>
</tr>
</tbody>
</table>

*M = Male  *F = Female

27. Diversity of Students:

<table>
<thead>
<tr>
<th>Name of the Course</th>
<th>% of students from the same state</th>
<th>% of students from other States</th>
<th>% of students From abroad</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-2011 Geography Hons.</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2011-2012 Geography Hons.</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2012-2013 Geography Hons.</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2013-2014 Geography Hons.</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2014-2015 Geography Hons.</td>
<td>100</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

28. How many students have cleared national and state competitive examinationssuch as NET, SLET, GATE, Civil services, Defense services, etc.?

<table>
<thead>
<tr>
<th>Name of the Competitive Examination</th>
<th>No. of students passed (in last five years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NET/SET/SLET</td>
<td>3</td>
</tr>
</tbody>
</table>

29. Student progression: (2011-2015)

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Against % enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td>51%</td>
</tr>
<tr>
<td>PG to M. Phil.</td>
<td>NA</td>
</tr>
<tr>
<td>PG to Ph. D.</td>
<td>NA</td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td>--</td>
</tr>
<tr>
<td>Employed</td>
<td>--</td>
</tr>
<tr>
<td>• Campus selection</td>
<td>Nil</td>
</tr>
<tr>
<td>• Other than campus recruitment</td>
<td>7%</td>
</tr>
<tr>
<td>Entrepreneurship/ Self-employment</td>
<td>Nil</td>
</tr>
</tbody>
</table>
30. **Details of Infrastructural facilities**

   a) **Library**: Yes

   b) **Internet facilities for Staff & Students**: Yes

   c) **Class rooms with LCD facility**: Yes*

      * Two class rooms are equipped with mobile LCD facility.

   d) **Laboratories**: One RS_GIS Laboratory

31. **Number of students receiving financial assistance from college, university, government or other agencies**:

<table>
<thead>
<tr>
<th>Year</th>
<th>No. of students</th>
<th>Financial assistance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>College</td>
</tr>
<tr>
<td>2010 - 11</td>
<td>30</td>
<td>5</td>
</tr>
<tr>
<td>2011 - 12</td>
<td>26</td>
<td>0</td>
</tr>
<tr>
<td>2012 - 13</td>
<td>34</td>
<td>6</td>
</tr>
<tr>
<td>2013 - 14</td>
<td>24</td>
<td>2</td>
</tr>
<tr>
<td>2014 - 15</td>
<td>25</td>
<td>2</td>
</tr>
</tbody>
</table>

32. **Details on student enrichment programmes (special lectures/workshops/seminar) with external experts**:

<table>
<thead>
<tr>
<th>Student Enrichment Programme</th>
<th>Held on</th>
<th>Title</th>
<th>Funding Agency</th>
<th>External Expert/Resource Person/ Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special Lecture</td>
<td>2014-15</td>
<td>The Department organized a special lecture on Climate Change: mitigation and adaptation in Sundarban</td>
<td>College fund</td>
<td>Dr. Chandan Surabhi Das, Taki Government College</td>
</tr>
<tr>
<td>Documentary film show</td>
<td>2015-16</td>
<td>The department plans to screen a Documentary - An inconvenient truth</td>
<td>College fund</td>
<td>--</td>
</tr>
</tbody>
</table>

33. **Teaching methods adopted to improve student learning**:

   Power point presentation through LCD Projectors

34. **Participation in Institutional Social Responsibility (ISR) and Extension activities**:

   The department plans to undertake an Awareness Programme on River Bank Erosion in Nadia District of West Bengal as part of Disaster Management programme.
35. **SWOC analysis of the department and Future plans:**

<table>
<thead>
<tr>
<th>Strengths</th>
<th>Weaknesses</th>
<th>Opportunities</th>
<th>Challenges</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. A good number of meritorious students are the jewels of this department.</td>
<td>1. Due to increasing number of enrollment of students, the department is facing space crunch especially while conducting practical classes.</td>
<td>1. RS and GIS are currently the two most potential sectors of employment, which may be introduced as a special programme in the future.</td>
<td>1. Managing space is a major challenge</td>
</tr>
<tr>
<td>2. The department is enriched by the qualified and energetic full time faculty.</td>
<td>2. The department requires a second RS_GIS lab to cater to the needs of the ever increasing number of students.</td>
<td>2. To develop the department as a centre of excellence in the field of applied research through various projects.</td>
<td>2. Huge funding is required for equipping the computer laboratory especially for purchasing RS and GIS software.</td>
</tr>
<tr>
<td>3. Weaker/needy students get special attention from teachers regarding their study.</td>
<td>3. The department lacks modern equipment for research activities.</td>
<td>3. To strive for socio-economic uplift of the people in and around Barasat through participatory research and awareness programmes.</td>
<td></td>
</tr>
<tr>
<td>4. Apart from teaching, the teachers of the department are also engaged in research work.</td>
<td></td>
<td>4. Computerization of the Seminar Library.</td>
<td></td>
</tr>
</tbody>
</table>

**FUTURE PLANS:**

1. Introduction of integrated 5-Year M.Sc. course in Geography.

3. Introducing Diploma course in RS-GIS.

4. Organizing state/national level seminar/symposium.

5. Setting up of e-class room.

6. Improvement of laboratory and infrastructure facility.
7. Department of History

1. Name of the department: History
2. Year of Establishment: 1950
3. Names of Programmes / Courses offered (UG, PG, M.Phil., PhD, Integrated Masters, Integrated PhD., etc):
   UG (B.A. History Honours and History General)
4. Names of Interdisciplinary courses and the departments/units involved:
   None
5. Annual/semester/choice based credit system (programme wise):
   B.A. History Honours/Annual Examinations (Part I, Part II and Part III).
6. Participation of the department in the courses offered by other departments:
   History is offered as a General Subject for the following Honours subjects - Bengali, English, Sanskrit, Political Science and Philosophy.
   History is also offered as a subject in the B.A. General Course in the Morning Section.
7. Courses in collaboration with other universities, industries, foreign institutions, etc.:
   None
8. Details of courses/programmes discontinued (if any) with reasons:
   N. A.
9. Number of teaching posts:

<table>
<thead>
<tr>
<th>POSTS</th>
<th>SANCTIONED</th>
<th>FILLED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>nil</td>
<td>nil</td>
</tr>
<tr>
<td>Associate Professor/Assistant Professor</td>
<td>04</td>
<td>02</td>
</tr>
</tbody>
</table>
10. Faculty profile with name, qualification, designation, specialization (D.Sc. /D.Litt. /Ph.D./M.Phil., etc.): present and transferred faculty

<table>
<thead>
<tr>
<th>NAME</th>
<th>QUALIFICATION</th>
<th>DESIGNATION</th>
<th>SPECIALISATION</th>
<th>No. OF YEARS EXPERIENCE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A) CURRENT FULL TIME FACULTY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mr. Prabal Bagchi</td>
<td>M.A</td>
<td>Associate Professor</td>
<td>Economic History</td>
<td>19 Years</td>
</tr>
<tr>
<td>Mr. Rajkumar Chakrabarti</td>
<td>M.A</td>
<td>Assistant Professor</td>
<td>Late Medieval India</td>
<td>16 Years</td>
</tr>
<tr>
<td><strong>B) FULL TIME FACULTY, TRANSFERRED (Since October, 2010)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mr Sujit Kundu (Transferred on 8th June, 2015)</td>
<td>M.A</td>
<td>Assistant Professor</td>
<td>Modern India &amp; Tribal History</td>
<td>6 Months</td>
</tr>
<tr>
<td>Mr Samir Mandal (Transferred on 8th June, 2015)</td>
<td>M.A</td>
<td>Assistant Professor</td>
<td>Social &amp; Cultural History</td>
<td>6 Month</td>
</tr>
<tr>
<td>Mrs. Nandini Jana (Transferred)</td>
<td>M.A</td>
<td>Assistant Professor</td>
<td>Social History &amp; Women History</td>
<td>14 Years</td>
</tr>
<tr>
<td>Dr. Aparna Bandopadhyay (Transferred)</td>
<td>M.A</td>
<td>Associate Professor</td>
<td>Economic History &amp; Gender Study</td>
<td>19 Years</td>
</tr>
<tr>
<td>Dr. Narayan Saha (Transferred)</td>
<td>M.A Ph.D.</td>
<td>Associate Professor</td>
<td>Political History</td>
<td>33 years</td>
</tr>
<tr>
<td>Dr. Sukanya Dutta (Transferred)</td>
<td>M.A Ph.D.</td>
<td>Associate Professor</td>
<td>Economic History of Modern India</td>
<td>34 Years</td>
</tr>
<tr>
<td>Dr. Soumya Goswami (Transferred)</td>
<td>M.A Ph.D.</td>
<td>Associate Professor</td>
<td>Social History</td>
<td>14 years</td>
</tr>
<tr>
<td><strong>C) PART-TIME FACULTY, MORNING SECTION</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mrs. Ellora Biswas</td>
<td>M.A</td>
<td>Part-time Faculty</td>
<td>--</td>
<td>25 Years</td>
</tr>
<tr>
<td>Mrs. Rita Chakraborty</td>
<td>M.A</td>
<td>Part-time Faculty</td>
<td>--</td>
<td>20 Years</td>
</tr>
<tr>
<td>Ms. Sharmila Chanda</td>
<td>M.A</td>
<td>Part-time Faculty</td>
<td>--</td>
<td>15 Years</td>
</tr>
</tbody>
</table>

11. List of senior visiting faculty: NIL
### 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

<table>
<thead>
<tr>
<th>Name of temporary faculty</th>
<th>Academic Session taught</th>
<th>Programme</th>
<th>Total No. of Classes per week (Theory)</th>
<th>No. of Classes taken per week (Theory)</th>
<th>% of Lectures delivered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mrs. Ellora Biswas</td>
<td>2010-11</td>
<td>IG, IIG, IIIG</td>
<td>6</td>
<td>6</td>
<td>86</td>
</tr>
<tr>
<td></td>
<td>2011-12</td>
<td>IG, IIG, IIIG</td>
<td>6</td>
<td>6</td>
<td>89</td>
</tr>
<tr>
<td></td>
<td>2012-13</td>
<td>IG, IIG, IIIG</td>
<td>6</td>
<td>6</td>
<td>88</td>
</tr>
<tr>
<td></td>
<td>2013-14</td>
<td>IG, IIG, IIIG</td>
<td>6</td>
<td>6</td>
<td>86</td>
</tr>
<tr>
<td></td>
<td>2014-15</td>
<td>IG, IIG, IIIG</td>
<td>6</td>
<td>6</td>
<td>81</td>
</tr>
<tr>
<td>Mrs. Rita Chakraborty</td>
<td>2010-11</td>
<td>IG, IIG, IIIG</td>
<td>6</td>
<td>6</td>
<td>86</td>
</tr>
<tr>
<td></td>
<td>2011-12</td>
<td>IG, IIG, IIIG</td>
<td>6</td>
<td>6</td>
<td>88</td>
</tr>
<tr>
<td></td>
<td>2012-13</td>
<td>IG, IIG, IIIG</td>
<td>6</td>
<td>6</td>
<td>87</td>
</tr>
<tr>
<td></td>
<td>2013-14</td>
<td>IG, IIG, IIIG</td>
<td>6</td>
<td>6</td>
<td>84</td>
</tr>
<tr>
<td></td>
<td>2014-15</td>
<td>IG, IIG, IIIG</td>
<td>6</td>
<td>6</td>
<td>80</td>
</tr>
<tr>
<td>Ms. Sharmila Chanda</td>
<td>2010-11</td>
<td>IG, IIG, IIIG</td>
<td>6</td>
<td>6</td>
<td>84</td>
</tr>
<tr>
<td></td>
<td>2011-12</td>
<td>IG, IIG, IIIG</td>
<td>6</td>
<td>6</td>
<td>86</td>
</tr>
<tr>
<td></td>
<td>2012-13</td>
<td>IG, IIG, IIIG</td>
<td>6</td>
<td>6</td>
<td>85</td>
</tr>
<tr>
<td></td>
<td>2013-14</td>
<td>IG, IIG, IIIG</td>
<td>6</td>
<td>6</td>
<td>80</td>
</tr>
<tr>
<td></td>
<td>2014-15</td>
<td>IG, IIG, IIIG</td>
<td>6</td>
<td>6</td>
<td>80</td>
</tr>
</tbody>
</table>

*(The UG General Course in History in the MORNING SECTION is conducted completely by part-time faculties)*

### 13. Student -Teacher Ratio (programme wise)

<table>
<thead>
<tr>
<th>Session</th>
<th>No. of Students</th>
<th>No. of Teachers</th>
<th>Student-Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-11</td>
<td>130</td>
<td>4</td>
<td>1: 33</td>
</tr>
<tr>
<td>2011-12</td>
<td>139</td>
<td>4</td>
<td>1: 35</td>
</tr>
<tr>
<td>2012-13</td>
<td>179</td>
<td>2</td>
<td>1: 90</td>
</tr>
<tr>
<td>2013-14</td>
<td>191</td>
<td>2</td>
<td>1: 95</td>
</tr>
<tr>
<td>2014-15**</td>
<td>197</td>
<td>4</td>
<td>1: 50</td>
</tr>
</tbody>
</table>

**Two newly recruited teachers have since been transferred in June 2015. Therefore the Department currently has two full time faculties. It is expected that new teachers will join the Department soon, thereby keeping the student-teacher ratio at 2014-15 level.**
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:
None

15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:

<table>
<thead>
<tr>
<th>Highest Qualification</th>
<th>No. of Teaching Faculty (Existing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching faculty with PG</td>
<td>02</td>
</tr>
</tbody>
</table>

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:
None

17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc. and total grants received:
None

18. Research Centre / facility recognized by the University:
None

19. Publications:
Total No. of Publications of the Department (teachers’ tenure during 2010-15 at Barasat Government College) = 29

Publications details of Faculty:

A) CURRENT FULL TIME FACULTY

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr. Prabal Bagchi</td>
<td></td>
<td></td>
<td>1</td>
<td>4</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Mr. Rajkumar Chakrabarti</td>
<td></td>
<td></td>
<td>2</td>
<td>1 (jointly)</td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>
B. Transferred Faculty-members:

<table>
<thead>
<tr>
<th>NAME OF FACULTY</th>
<th>National committees/International Committees /Editorial Boards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mrs. Nandini Jana</td>
<td>Member of the following Organizations: Indian History Congress, Paschimbanga Itihas Sansad, Bangiya Sahitya Parishad</td>
</tr>
<tr>
<td>Mrs. Aparna Bandopadhyay</td>
<td></td>
</tr>
<tr>
<td>Mrs. Sukanya Dutta</td>
<td></td>
</tr>
<tr>
<td>Mr. Sanir Mandal</td>
<td></td>
</tr>
</tbody>
</table>

20. Areas of consultancy and income generated:
Nil

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards:

<table>
<thead>
<tr>
<th>FACULTY</th>
<th>National committees/International Committees /Editorial Boards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr. Prabal Bagchi</td>
<td>Member of the following Organizations: Indian History Congress, Paschimbanga Itihas Sansad, Bangiya Sahitya Parishad</td>
</tr>
<tr>
<td>Mr. Rajkumar Chakrabarti</td>
<td>Member of the following Organizations: Indian History Congress, Paschimbanga Itihas Sansad, Bangiya Sahitya Parishad</td>
</tr>
</tbody>
</table>

22. Student projects:
Percentage of students who have done in-house projects including inter-departmental/ programme:

1. All students’ of this department are involved with the publication of the departmental wall magazine “Itihasyan”.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mrs. Nandini Jana</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mrs. Aparna Bandopadhyay</td>
<td>1</td>
<td>3</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mrs. Sukanya Dutta</td>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mr. Sanir Mandal</td>
<td>1</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Page | 349
2. Initiative has been taken to engage students in collecting data about important architecture like temple, mosque, old buildings and documentation of oral history of Barasat and adjoining areas.

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies:
NIL

23. Awards / Recognitions received by faculty and students:
NIL

24. List of eminent academicians and scientists/visitors to the department:
1. Prof. Subhas Ranjan Chakrabarty, former Associate Professor of History, Presidency College
2. Prof. Sumanta Bandopadhyay, Noted Historian and Cultural Critic, Dehradun

25. Seminars/ Conferences/Workshops organized & the source of funding:
(a) National: 02 (b) International: NIL

26. Student profile programme/ course wise:

<table>
<thead>
<tr>
<th>Year</th>
<th>Applications received</th>
<th>Selected</th>
<th>Enrolled</th>
<th>Pass percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>*M</td>
<td>*F</td>
<td></td>
</tr>
<tr>
<td>2012-13</td>
<td>697</td>
<td>63</td>
<td>33</td>
<td>30</td>
</tr>
<tr>
<td>2013-14</td>
<td>501</td>
<td>71</td>
<td>37</td>
<td>34</td>
</tr>
<tr>
<td>2014-15</td>
<td>339</td>
<td>63</td>
<td>35</td>
<td>28</td>
</tr>
<tr>
<td>2015-16</td>
<td>687</td>
<td>77</td>
<td>40</td>
<td>37</td>
</tr>
</tbody>
</table>

*M = Male  *F = Female

27. Diversity of Students:

<table>
<thead>
<tr>
<th>Name of the Course</th>
<th>% of students from the same state</th>
<th>% of students from other States</th>
<th>% of students from abroad</th>
</tr>
</thead>
<tbody>
<tr>
<td>B.A. History Honours</td>
<td>100</td>
<td>00</td>
<td>00</td>
</tr>
</tbody>
</table>
28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.

During 2010-2015 there are three students qualified Net and one student passed SLET examination.

29. Student progression:

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Against % enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td>55 ( Approx)</td>
</tr>
<tr>
<td>PG to M.Phil</td>
<td>No data</td>
</tr>
<tr>
<td>M. Phil to Ph. D.</td>
<td>No data</td>
</tr>
<tr>
<td>Employment</td>
<td>No detailed data</td>
</tr>
</tbody>
</table>

30. Details of Infrastructural facilities:

a) **Library**: The department has an excellent seminar library having 464 text and reference books in addition to the main library.

b) **Internet facilities for Staff & Students**: Yes, available.

c) **Class rooms with ICT facility**: Yes
d) **Laboratories**: Not Applicable.

31. Number of students receiving financial assistance from college, university, government or other agencies:

<table>
<thead>
<tr>
<th>Year</th>
<th>Full-free Studentship</th>
<th>Half-free Studentship</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-12</td>
<td>11(M-9, F-2)</td>
<td>14(M-11, F-3)</td>
</tr>
<tr>
<td>2012-13</td>
<td>16(M-11, F-5)</td>
<td>21(M-6, F-15)</td>
</tr>
<tr>
<td>2013-14</td>
<td>17(M-7, F-10)</td>
<td>30(M-16,F14)</td>
</tr>
<tr>
<td>2014-15</td>
<td>17(M-12, F-5)</td>
<td>17(M-9, F-8)</td>
</tr>
</tbody>
</table>

Note: many students are also recipient of different types of governmental and non-governmental stipends/scholarship, for example -higher education, minority and kanyasree (girl student),SC/ST stipend and Jindal , Mahindra scholarship etc.

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts:


2. UGC-sponsored National-level seminar on “Women and Literature: Different Faces, Different Voices “on 16th and 17th January, 2012 organized by the Departments of
Philosophy, English, History and Sanskrit in collaboration with School of Women’s Studies, Jadavpur University.


33. Teaching methods adopted to improve student learning:
1. Generally students are taught through regular lecture, seminar, and tutorial and written assignments. Remedial classes for SC/ST, minority and academically weaker students are taken every year.

2. Maps and historical time-charts are used in class lecture whenever necessary.

3. Constant evaluation through class test and Annual examination.

4. Relevant documentary/film screening is an integral part of the methodology.

5. In addition, students are encouraged to access the library for text and references and online source for e-texts. Moreover, additional study material are given to augment their knowledge.

6. Regular excursions/visits to historical places and Museums are held to apprise them about the rich heritage of the country.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Students of the department actively participate in different social responsibility programme organized by the NSS unit and Students’ Union of the college.

35. SWOC analysis of the department and Future plans:

Strengths:
1. Highly motivated, sincere and competent faculty.
2. Location of the college as well as its long reputation draws the best and brightest along with a good number of students from underprivileged backgrounds. Many of them are the first generation learners. The department always maintains a good academic profile by securing University ranks in consecutive years.
3. Well stocked seminar library and online access to e-journals and books in the central library through INFLIBNET and online service of the British Council library for teachers and students.

4. Enrolment of girl students shows healthy ratio visa-a-vis male students.

5. Parent-teacher meetings offer valuable inputs for both sides.

6. The students actively participate in different co-curricular and extracurricular activities.

**Weaknesses:**

1. A large number of students come from economically very weak background and their hardships for livelihood sometimes affect their performance in the Honours course.

2. Many students are very weak in English and reluctant to read reference books in English.

3. Lacks the requisite teaching strength, thereby hampering the teaching learning process and making syllabus completion extremely difficult for the existing faculty.

4. The examination system of the parent university has reduced the number of total classes in the academic year and this has hindered discussion of topics beyond the syllabus.

**Opportunities:**

1. Excellent student-teacher interaction that is constructive in orienting students towards higher studies, research and in general shaping their careers.

2. Well organized seminars & workshop enlightens students about the subject in a multifaceted fashion.

3. Studying history at the undergraduate level can be made more meaningful not only as a movement towards further studies but also as a resource for diversification to studies in archaeology and museology.

**Challenge:**

1. Strict discipline among students is to be maintained to ensure a healthy academic environment in the department.

2. Empowerment of women through education difficult since majority of the girl students are from educationally and economically backward community structure.

3. Scope of orienting students towards higher studies is limited due time constraints.
Future Plans:

1. Encourage students to participate in group discussions to develop their communication skill and critical thinking.
2. Up gradation of one classroom dedicated for UG with multimedia facilities to enhance the quality of teaching using audio-visual aids
3. Plan to publish a departmental journal with writings from students and teachers provided funds are available.
4. A project for local history will be taken by the students under the guidance of the teachers of the department.
5. Organize State/ National/ International level seminar and workshop.
6. Bring the under achievers to the mainstream and provide remedial/ tutorials to clear doubts. Special class to be held to complete syllabus within the short time schedule in addition to regular classes.
7. Strengthen and encourage faculty research and publication in peer reviewed journal.
8. DEPARTMENT OF MATHEMATICS

1. Name of the department: MATHEMATICS
2. Year of Establishment: 1950
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters, Integrated Ph.D., etc.):
   UG (B.Sc. Mathematics Honours and Mathematics General)
4. Names of Interdisciplinary courses and the departments/ units involved:
   None
5. Annual/ semester/ choice based credit system (programme wise):
   B.Sc. Mathematics Honours: Annual Examinations (Part I, Part II and Part III)
   B.Sc. Mathematics General: Annual Examinations (Part I, Part II and Part III)
6. Participation of the department in the courses offered by other departments:
   Physics General, Chemistry General
7. Courses in collaboration with other universities, industries, foreign institutions, etc.:
   NIL
8. Details of courses/ programmes discontinued (if any) with reasons:
   NIL
9. Number of teaching posts:

<table>
<thead>
<tr>
<th>POSTS</th>
<th>SANCTIONED</th>
<th>FILLED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>NIL</td>
<td>NIL</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>05</td>
<td>01</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>04</td>
<td></td>
</tr>
</tbody>
</table>
10. Faculty profile with name, qualification, designation, specialization (D.Sc/ D.Litt./ Ph.D./ M.Phil. etc.):

<table>
<thead>
<tr>
<th>NAME</th>
<th>QUALIFICATION</th>
<th>DESIGNATION</th>
<th>SPECIALISATION</th>
<th>NO. of YEARS EXPERIENCE</th>
<th>NO. OF PhD STUDENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A) CURRENT FULL TIME FACULTY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Nisith Ch. Das</td>
<td>M.Sc., M.Phil., Ph.D.</td>
<td>Associate Professor</td>
<td>Computer Science and Cybernetics Research Area: Maximum entropy principle: Characterization and Application</td>
<td>24 years</td>
<td>Nil</td>
</tr>
<tr>
<td>Dr. Prasanta Paul</td>
<td>M.Sc., Ph.D.</td>
<td>Assistant Professor</td>
<td>Computer Science and Cybernetics Research Area: Ordering and Ageing Properties of Reliability Theory, Entropy and Information Theory</td>
<td>5 years 10 months</td>
<td>Nil</td>
</tr>
<tr>
<td>Dr. Indranath Bhattacharyya</td>
<td>M.Sc., Ph.D.</td>
<td>Assistant Professor</td>
<td>Quantum Mechanics Research Area: Theoretical Physics, Cosmology and Astroparticle Physics</td>
<td>09 years</td>
<td>Nil</td>
</tr>
<tr>
<td>Dr. Shobhan Mandal</td>
<td>M.Sc., Ph.D.</td>
<td>Assistant Professor</td>
<td>Complex Analysis and Representation Theory Research Area: Abstract Algebra: Ring, Semiring and Semigroup theory</td>
<td>02 years</td>
<td>Nil</td>
</tr>
<tr>
<td><strong>B) FULL TIME FACULTY TRANSFERRED (Since October 2010)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Gurudas Ghosh</td>
<td>M.Sc., Ph.D.</td>
<td>Associate Professor</td>
<td>Magneto Hydrodynamics and Plasma</td>
<td>29 years</td>
<td>Nil</td>
</tr>
<tr>
<td>Dr. Syamali Bhadra</td>
<td>M.Sc., M.Phil., Ph.D.</td>
<td>Associate Professor</td>
<td>Mathematical Biology</td>
<td>18 years</td>
<td>Nil</td>
</tr>
</tbody>
</table>
C) PART-TIME FACULTY/GUEST FACULTY (Day)

<table>
<thead>
<tr>
<th>Name of temporary faculty with Qualification</th>
<th>Designation</th>
<th>Programme</th>
<th>Academic Session Taught</th>
<th>Total No. of classes in the Departmental Routine</th>
<th>Total No. of classes taught by temporary faculty</th>
<th>Percentage of lectures delivered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Bithi Ganguly*</td>
<td>M.Sc., Ph.D.</td>
<td>Retd. Elasticity and Plasticity</td>
<td>33 years</td>
<td>Nil</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

D) PART-TIME FACULTY/GUEST FACULTY (Morning)

<table>
<thead>
<tr>
<th>Name of temporary faculty with Qualification</th>
<th>Designation</th>
<th>Programme</th>
<th>Academic Session Taught</th>
<th>Total No. of classes in the Departmental Routine</th>
<th>Total No. of classes taught by temporary faculty</th>
<th>Percentage of lectures delivered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Schindra Nath Maity*</td>
<td>M.Sc., Ph.D.</td>
<td>Retd. Differential Geometry</td>
<td>32 years</td>
<td>01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sri Sumanta Giri*</td>
<td>M.Sc.</td>
<td>Retd. Complex Analysis</td>
<td>33 years</td>
<td>Nil</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

<table>
<thead>
<tr>
<th>Name of temporary faculty with Qualification</th>
<th>Designation</th>
<th>Programme</th>
<th>Academic Session Taught</th>
<th>Total No. of classes in the Departmental Routine</th>
<th>Total No. of classes taught by temporary faculty</th>
<th>Percentage of lectures delivered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Bithi Ganguly</td>
<td>Part-time Faculty</td>
<td>B.A. Hons &amp; General</td>
<td>2011-12</td>
<td>2210 1229</td>
<td>268 0</td>
<td>12% 0</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2012-13</td>
<td>2220 1245</td>
<td>276 0</td>
<td>12% 0</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2013-14</td>
<td>2180 1241</td>
<td>288 0</td>
<td>13% 0</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2014-15</td>
<td>2200 1261</td>
<td>270 0</td>
<td>12% 0</td>
</tr>
</tbody>
</table>

| Dr. Sachindra Nath Maity                    | Part-time Faculty | B.A. Hons & General | 2011-12 | 2210 1229 | 0 498 | 0 40% |
|                                            |             |                     | 2012-13 | 2220 1245 | 0 488 | 0 39% |
|                                            |             |                     | 2013-14 | 2180 1241 | 0 476 | 0 38% |
|                                            |             |                     | 2014-15 | 2200 1261 | 0 472 | 0 37% |

| Sri Sumanta Giri                           | Part-time Faculty | B.A. Hons & General | 2011-12 | 2210 1229 | 0 482 | 0 39% |
|                                            |             |                     | 2012-13 | 2220 1245 | 0 478 | 0 38% |
|                                            |             |                     | 2013-14 | 2180 1241 | 0 470 | 0 38% |
|                                            |             |                     | 2014-15 | 2200 1261 | 0 492 | 0 39% |

*They have served the College till 31st March, 2015.
13. Student-Teacher Ratio (programme wise):

<table>
<thead>
<tr>
<th>Academic Session</th>
<th>Programme</th>
<th>No. of Students</th>
<th>No. of Teachers (at the beginning of Session)</th>
<th>Student: Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-2011</td>
<td>UG Hons.</td>
<td>108</td>
<td>4</td>
<td>27:1</td>
</tr>
<tr>
<td>2011-2012</td>
<td>UG Hons.</td>
<td>150</td>
<td>5</td>
<td>30:1</td>
</tr>
<tr>
<td>2012-2013</td>
<td>UG Hons.</td>
<td>141</td>
<td>5</td>
<td>28:1</td>
</tr>
<tr>
<td>2013-2014</td>
<td>UG Hons.</td>
<td>138</td>
<td>5</td>
<td>28:1</td>
</tr>
<tr>
<td>2014-2015</td>
<td>UG Hons.</td>
<td>143</td>
<td>5</td>
<td>29:1</td>
</tr>
</tbody>
</table>

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

<table>
<thead>
<tr>
<th>Post</th>
<th>Sanctioned</th>
<th>Filled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic support staff (technical)</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Administrative staff</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:

<table>
<thead>
<tr>
<th>Highest Qualification</th>
<th>No. of Teaching Faculty (Existing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>D.Sc./D.Litt.</td>
<td>0</td>
</tr>
<tr>
<td>Ph.D.</td>
<td>4</td>
</tr>
<tr>
<td>M. Phil./M.Tech.</td>
<td>1</td>
</tr>
<tr>
<td>PG</td>
<td>0</td>
</tr>
</tbody>
</table>

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: 01

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Title of the project</th>
<th>Duration</th>
<th>Funding Agency</th>
<th>Grant Sanctioned</th>
<th>Grant Received</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Prasanta Paul</td>
<td>On some entropy-based measure of uncertainty and their properties</td>
<td>2 years</td>
<td>UGC</td>
<td>1,70,000/-</td>
<td>1,52,500/-</td>
</tr>
</tbody>
</table>
17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc. and total grants received:
None

18. Research Centre / facility recognized by the University:
None

19. Publications:
Total No. of Publications of the Department (2010-15, during the teachers’ tenure at Barasat Government College) = 19

Publications details of Faculty:
A) CURRENT FULL TIME FACULTY

<table>
<thead>
<tr>
<th>NAME OF FACULTY</th>
<th>No. of papers in Peer reviewed National /International Journal</th>
<th>No. of publications listed in Int. Data base</th>
<th>Monograph</th>
<th>Chapter in Books</th>
<th>Books Edited</th>
<th>Books With ISSN/ISBN No.</th>
<th>Citation Index</th>
<th>SNIP</th>
<th>SJR</th>
<th>Impact Factor</th>
<th>H- Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Prasanta Paul</td>
<td>5 (National)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Sri Jayanta Biswas</td>
<td>3 (National)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Indranath Bhattacharyya</td>
<td>5 (international)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
| Dr. Shobhan Mandal      | 5 (international)  
(1 national)                    | -                                           | -         | -                | -            | -                        | -              | -    | -   | -              | -        |

20. Areas of consultancy and income generated:
Sri Jayanta Biswas

<table>
<thead>
<tr>
<th>Name of Examination</th>
<th>Date</th>
<th>Organized by</th>
<th>Brief Description of the assignment</th>
</tr>
</thead>
</table>
| Class XII Exam. - 2012 | 14, 16, 19, 21, 23, 26, 29, 31
March, 2012;  And 2, 4, 7
April, 2012 | WBCHSE | Centre-In-Charge of TAKI Centre, Taki, North 24 Parganas. |
<p>| 12th RLST-2011  | 29.07.2012 | West Bengal School Service Commission | Centre-In-Charge of Barasat Govt. College centre. |</p>
<table>
<thead>
<tr>
<th>Event Description</th>
<th>Date</th>
<th>Exam Conducting Body</th>
<th>Venue Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multi-Tasking (non-technical) Staff Exam.-2013</td>
<td>24.03.2013</td>
<td>Staff Selection Commission</td>
<td>Venue-In-Charge of Barasat Govt. College venue</td>
</tr>
<tr>
<td>S.I &amp; Lady S.I. -2013</td>
<td>18.08.2013</td>
<td>West Bengal Police Dept</td>
<td>Venue-In-Charge of Barasat Govt. College venue</td>
</tr>
<tr>
<td>RRC CAL Exam.</td>
<td>27.10.2013</td>
<td>Railway Recruitment Cell</td>
<td>Venue-In-Charge of Barasat Govt. College venue</td>
</tr>
<tr>
<td>RRC CAL Exam.</td>
<td>17.11.2013</td>
<td>Railway Recruitment Cell</td>
<td>Venue-In-Charge of Barasat Govt. College venue</td>
</tr>
<tr>
<td>RRC CAL Exam.</td>
<td>24.11.2013</td>
<td>Railway Recruitment Cell</td>
<td>Venue-In-Charge of Barasat Govt. College venue</td>
</tr>
<tr>
<td>RRC CAL Exam.</td>
<td>01.12.2013</td>
<td>Railway Recruitment Cell</td>
<td>Venue-In-Charge of Barasat Govt. College venue</td>
</tr>
<tr>
<td>RRC CAL Exam.</td>
<td>08.12.2013</td>
<td>Railway Recruitment Cell</td>
<td>Venue-In-Charge of Barasat Govt. College venue</td>
</tr>
<tr>
<td>17th SET Exam - 2013</td>
<td>15.12.2013</td>
<td>West Bengal College Service Commission</td>
<td>Coordinator of Barasat Govt. College Centre</td>
</tr>
<tr>
<td>Madhyamik Pariksha - 2014</td>
<td>24, 25, 26, 28th February, 2014 and 1, 3, 4, 5, 6th March, 2014</td>
<td>WBBSE</td>
<td>Officer-In-Charge of Barasat Centre</td>
</tr>
<tr>
<td>RRC-ER Exam</td>
<td>02.11.2014</td>
<td>Railway Recruitment Cell</td>
<td>Venue-In-Charge of Barasat Govt. College venue</td>
</tr>
<tr>
<td>RRC-ER Exam</td>
<td>09.11.2014</td>
<td>Railway Recruitment Cell</td>
<td>Venue-In-Charge of Barasat Govt. College venue</td>
</tr>
<tr>
<td>RRC-ER Exam</td>
<td>16.11.2014</td>
<td>Railway Recruitment Cell</td>
<td>Venue-In-Charge of Barasat Govt. College venue</td>
</tr>
<tr>
<td>RRC-ER Exam</td>
<td>23.11.2014</td>
<td>Railway Recruitment Cell</td>
<td>Venue-In-Charge of Barasat Govt. College venue</td>
</tr>
<tr>
<td>RRC-ER Exam</td>
<td>30.11.2014</td>
<td>Railway Recruitment Cell</td>
<td>Venue-In-Charge of Barasat Govt. College venue</td>
</tr>
<tr>
<td>18th SET Exam – 2014</td>
<td>14.12.2014</td>
<td>West Bengal College Service Commission</td>
<td>Officer-In-Charge of Barasat Govt. College Centre</td>
</tr>
<tr>
<td>RRC-ER Exam</td>
<td>15.02.2015</td>
<td>Railway Recruitment Cell</td>
<td>Venue-In-Charge of Barasat Govt. College venue</td>
</tr>
<tr>
<td>Event Description</td>
<td>Date/Session</td>
<td>Organizing Authority</td>
<td>Role/Position</td>
</tr>
<tr>
<td>----------------------------------------------------------------------------------</td>
<td>--------------------------------------------------</td>
<td>------------------------------------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>Madhyamik Pariksha - 2015</td>
<td>23, 24, 25, 27, 28th February, 2015 and 2, 3, 4th March, 2015</td>
<td>WBBSE</td>
<td>Officer-In-Charge of Barasat Centre</td>
</tr>
<tr>
<td>“Yuba Samsad o Quiz Pratijogita”</td>
<td>On 17.12.2012</td>
<td>Barasat Municipality, North 24 Parganas</td>
<td>Jury Member</td>
</tr>
<tr>
<td>“District Students Science Seminar – 2013”. Topic was “ Water Cooperation”</td>
<td>On 29.08.2013</td>
<td>Dept. Of Youth Services</td>
<td>Judge</td>
</tr>
<tr>
<td>West Bengal State Students-Youth Science Fair – 2013 on behalf of North 24 Parganas District</td>
<td>2013</td>
<td>Dept. Of Youth Services</td>
<td>Joint Convenor</td>
</tr>
<tr>
<td>Science Model under Inspire Award Programme</td>
<td>15.09.2014</td>
<td>Barasat Mahatma Gandhi Memorial High School, Conducted by Govt. Of West Bengal through Office of the District Inspector of Schools (SE), North 24 Parganas. This programme had been introduced by the Department of Science and Technology, Govt. Of India.</td>
<td>Jury Member</td>
</tr>
</tbody>
</table>

**Dr. Indranath Bhattacharyya**

1. Inspection of 5 Schools in the Alipurduar District, West Bengal employed by The Secretary, West Bengal State Commission for Protection of Child Rights in 2014-2015.

2. a) Chaired as judge for District level Student Science Fair-2014 held on **04.09.2014** at Siliguri Girl’s School, Darjeeling District.

   b) Chaired as judge for District Student Science Seminar-2013 held on **30.08.13** at Islampur College, Uttar Dinajpur District.
c) Chaired as judge for District level Student Science Fair-2013 held on 06.09.13 at Siliguri Mahila Mahavidyalaya, Darjeeling District.

d) Chaired as judge for District Student Youth Science Fair-2012 held on 26.07.12 at A.P.C Roy Govt. College, Siliguri, Darjeeling District.

3. Acted as University Station Supervisor (USS) in the Siliguri Institute of Technology (SIT) for the Even Semester University Examination 2013-14, appointed by West Bengal University of Technology (WBUT).

21. Faculty as members in
   a) National committees 
   b) International Committees 
   c) Editorial Boards

<table>
<thead>
<tr>
<th>NAME OF FACULTY</th>
<th>National committees/International Committees /Editorial Boards….</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sri Jayanta Biswas</td>
<td>Associate Editor of Editorial Board of Barasat Govt. College Journal “AUREOLE”, ISSN : 0976 - 9625</td>
</tr>
</tbody>
</table>

22. Student projects:
NIL

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies:
NIL

23. Awards/Recognitions received by faculty and students:

| Dr. Shobhan Mandal Assistant Professor (WBES) | Ph.D. degree awarded in 2014 by the University of Calcutta. |

24. List of eminent academicians and scientists/visitors to the department:
NIL

25. Seminars/Conferences/Workshops organized & the source of funding

a) National: NIL

b) International: NIL
26. Student profile programme/course wise:

<table>
<thead>
<tr>
<th>Name of the Course/programme</th>
<th>Applications received</th>
<th>Selected</th>
<th>Enrolled</th>
<th>Pass percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>*M</td>
<td>*F</td>
<td></td>
</tr>
<tr>
<td>2012-2013</td>
<td>339</td>
<td>47</td>
<td>30</td>
<td>17</td>
</tr>
<tr>
<td>2013-2014</td>
<td>615</td>
<td>46</td>
<td>32</td>
<td>14</td>
</tr>
<tr>
<td>2014-2015</td>
<td>452</td>
<td>50</td>
<td>33</td>
<td>17</td>
</tr>
<tr>
<td>2015-16</td>
<td>1018</td>
<td>61</td>
<td>35</td>
<td>26</td>
</tr>
</tbody>
</table>

*M = Male  *F = Female

27. Diversity of Students:

<table>
<thead>
<tr>
<th>Name of the Course</th>
<th>% of Students from the same state</th>
<th>% of students from other States</th>
<th>% of students from abroad</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG Mathematics Hons.</td>
<td>100%</td>
<td>0%</td>
<td>0%</td>
</tr>
</tbody>
</table>

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.

<table>
<thead>
<tr>
<th>Name of the Competitive Examination</th>
<th>No. of students passed (in last five years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>JAM</td>
<td>11</td>
</tr>
<tr>
<td>NET</td>
<td>2</td>
</tr>
<tr>
<td>NBHM</td>
<td>1</td>
</tr>
<tr>
<td>UPSC</td>
<td>1</td>
</tr>
<tr>
<td>SSC</td>
<td>5</td>
</tr>
<tr>
<td>BANK</td>
<td>1</td>
</tr>
</tbody>
</table>

29. Student progression: (2011-2015)

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Against % enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td>85%</td>
</tr>
<tr>
<td>PG to M. Phil.</td>
<td></td>
</tr>
<tr>
<td>PG to Ph. D.</td>
<td></td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td></td>
</tr>
<tr>
<td>Employed</td>
<td></td>
</tr>
<tr>
<td>• Campus selection</td>
<td></td>
</tr>
<tr>
<td>• Other than campus recruitment</td>
<td></td>
</tr>
<tr>
<td>Entrepreneurship/ Self-employment</td>
<td></td>
</tr>
</tbody>
</table>
30. Details of Infrastructural facilities  

a) **Library:** The department has newly established seminar library with good number of text for the students. At present there are 150 books. The students are allowed to borrow books for a month.

b) **Internet facilities for Staff & Students:** This department is under wi-fi zone. Student and faculty members are using internet facility for their academic purpose at any time during college hour.

c) **Class rooms with ICT facility:** The department has one E-class room, where through LCD projector classes are conducting.

d) **Laboratories:** The department has a rich computer laboratory with 15 computers and any student can use them for computer practical classes and for net surfing purpose to upgrade their knowledge about the subject.

31. **Number of students receiving financial assistance from college, university, government or other agencies:**

<table>
<thead>
<tr>
<th>Session</th>
<th>Name of the scholarship/Studentship</th>
<th>No. of Students receiving financial assistance</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Total</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2011-12</td>
<td>Half-free</td>
<td>04</td>
<td>01</td>
<td>03</td>
</tr>
<tr>
<td></td>
<td>Full-free</td>
<td>11</td>
<td>08</td>
<td>03</td>
</tr>
<tr>
<td>2012-13</td>
<td>Half-free</td>
<td>05</td>
<td>05</td>
<td>00</td>
</tr>
<tr>
<td></td>
<td>Full-free</td>
<td>09</td>
<td>08</td>
<td>01</td>
</tr>
<tr>
<td>2013-14</td>
<td>Half-free</td>
<td>05</td>
<td>05</td>
<td>00</td>
</tr>
<tr>
<td></td>
<td>Full-free</td>
<td>02</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>2014-15</td>
<td>Half-free</td>
<td>00</td>
<td>00</td>
<td>00</td>
</tr>
<tr>
<td></td>
<td>Full-free</td>
<td>09</td>
<td>08</td>
<td>01</td>
</tr>
</tbody>
</table>

32. **Details on student enrichment programmes (special lectures/workshops/ seminar) with external experts:**

NIL
33. Teaching methods adopted to improve student learning:

For the teaching purpose, besides the blackboard methods, more modern methods which include charts, models, over-head, LCD/DL projector etc. are used to make teaching more attractive and fruitful to the students. Teachers of this department are planning to upload their study material on college website for free access of the students those who are unable to attend the particular class for some resins and also for those students who are unable to follow the class properly.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Students of the department actively participate in various awareness programmes and extension activities like Blood donation, plantation in the campus etc organised by NSS committee in and outside the college campus.

35. SWOC analysis of the department and Future plans:

<table>
<thead>
<tr>
<th>Strengths</th>
<th>Weaknesses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Full strength of faculty which maintain healthy teacher &amp; student ratio.</td>
<td>1. Frequent transfer of the faculty even in the middle of a session is creating adaptation problem for the students which is breaking healthy teaching environment.</td>
</tr>
<tr>
<td>2. All faculties are having Ph.D. or M.Tech. degree.</td>
<td>2. OBC reservation policy which is making the students beyond class room or Lab capacity.</td>
</tr>
<tr>
<td>3. A well facilitate A.C. Computer Lab with Internet Connectivity.</td>
<td></td>
</tr>
<tr>
<td>4. Students are securing good result in university.</td>
<td></td>
</tr>
<tr>
<td>5. Students are performing well in all India level exams.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Opportunity</th>
<th>Challenges</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. We have to prepare students for National level exams.</td>
<td>Too many classes for a faculty which is affecting time for research.</td>
</tr>
<tr>
<td>2. By providing online resources we can enrich education system.</td>
<td></td>
</tr>
</tbody>
</table>

Future Plan:

Proposal for introduction of P.G. courses in the department and also to give support for opening of the professional courses like BCA and MCA.
9. DEPARTMENT OF PHYSICS

1. Name of the department: Physics


3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters, Integrated Ph.D., etc.): UG and PG

4. Names of Interdisciplinary courses and the departments/ units involved: None

5. Annual/ semester/ choice based credit system (programme wise):
   
   B.Sc. – Physics (Honours), B.Sc. (General) ; Both 3-years course with annual evaluation
   M. Sc-- Semester based evaluation.

6. Participation of the department in the courses offered by other departments:
   Physics General course to Chemistry (Hons.) ,Math (Hons.) students and General degree students.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.:
   None

8. Details of courses/ programmes discontinued (if any) with reasons: NA

9. Number of Teaching posts:

<table>
<thead>
<tr>
<th>POSTS</th>
<th>SANCTIONED</th>
<th>FILLED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>11</td>
<td>2</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>
10. Faculty profile with name, qualification, designation, specialization (D.Sc/ D.Litt./ Ph.D./ M.Phil. etc.):

<table>
<thead>
<tr>
<th>NAME</th>
<th>QUALIFICATION</th>
<th>DESIGNATION</th>
<th>SPECIALISATION</th>
<th>EXPERIENCE (Years)</th>
<th>NO. OF PhD STUDENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pradip Mukherjee</td>
<td>Ph.D</td>
<td>Professor</td>
<td>High Energy Physics</td>
<td>26</td>
<td>2 awarded 1 registered.</td>
</tr>
<tr>
<td>Shilabhadra Chatterjee</td>
<td>Ph.D</td>
<td>Associate Professor</td>
<td>Nuclear Physics</td>
<td>20</td>
<td>--</td>
</tr>
<tr>
<td>Ajita Sengupta</td>
<td>Ph.D</td>
<td>Associate Professor</td>
<td>Condensed Matter Physics</td>
<td>16</td>
<td>--</td>
</tr>
<tr>
<td>Dhananjay Roy</td>
<td>Ph.D</td>
<td>Assistant Professor</td>
<td>Condensed Matter Physics</td>
<td>13</td>
<td>--</td>
</tr>
<tr>
<td>Shankar Mandal</td>
<td>Ph.D</td>
<td>Assistant Professor</td>
<td>Condensed Matter Physics</td>
<td>13</td>
<td>--</td>
</tr>
<tr>
<td>Mina Majumder</td>
<td>M.Sc.</td>
<td>Assistant Professor</td>
<td>Electronics</td>
<td>09</td>
<td>--</td>
</tr>
<tr>
<td>Srijit Bhattacharya</td>
<td>Ph.D</td>
<td>Assistant Professor</td>
<td>Nuclear Physics</td>
<td>09</td>
<td>--</td>
</tr>
<tr>
<td>Somenath Bhattacharya</td>
<td>Ph.D</td>
<td>Assistant Professor</td>
<td>Statistical Physics</td>
<td>8</td>
<td>--</td>
</tr>
<tr>
<td>Sutapa Bhattacharya</td>
<td>Ph.D</td>
<td>Assistant Professor</td>
<td>Astrophysics</td>
<td>5</td>
<td>--</td>
</tr>
<tr>
<td>Jyotirmoy Maiti</td>
<td>Ph.D</td>
<td>Assistant Professor</td>
<td>High Energy Physics</td>
<td>5.5</td>
<td>--</td>
</tr>
<tr>
<td>Amit Singha Roy</td>
<td>M.Sc.</td>
<td>Assistant Professor</td>
<td>Gravitation and cosmology</td>
<td>6</td>
<td>--</td>
</tr>
<tr>
<td>Sudip Mukherjee</td>
<td>M.Sc.</td>
<td>Assistant Professor</td>
<td>Statistical Physics</td>
<td></td>
<td>--</td>
</tr>
</tbody>
</table>

B) FULL TIME FACULTY TRANSFERRED (Since October 2010)

<table>
<thead>
<tr>
<th>NAME</th>
<th>QUALIFICATION</th>
<th>DESIGNATION</th>
<th>SPECIALISATION</th>
<th>EXPERIENCE (Years)</th>
<th>NO. OF PhD STUDENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biplab Chattopadhyay</td>
<td>Ph. D.</td>
<td>Associate Professor</td>
<td>Condensed Matter Physics</td>
<td>Transferred</td>
<td>--</td>
</tr>
<tr>
<td>Gautam Goswami</td>
<td>Ph.D.</td>
<td>Associate Professor</td>
<td>Statistical Mechanics</td>
<td>-do-</td>
<td>--</td>
</tr>
<tr>
<td>Subhas Chakraborty</td>
<td>Ph. D.</td>
<td>Associate Professor</td>
<td>Condensed Matter Physics</td>
<td>-do-</td>
<td>--</td>
</tr>
<tr>
<td>Debapriyo Syam</td>
<td>Ph. D.</td>
<td>Associate Professor</td>
<td>Nuclear Physics</td>
<td>Retired</td>
<td>--</td>
</tr>
</tbody>
</table>

C) GUEST FACULTY (PG Section)

<table>
<thead>
<tr>
<th>NAME</th>
<th>QUALIFICATION</th>
<th>DESIGNATION</th>
<th>SPECIALISATION</th>
<th>EXPERIENCE (Years)</th>
<th>NO. OF PhD STUDENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subhas Chandra Kar</td>
<td>Ph. D.</td>
<td>Guest faculty</td>
<td>Electronics</td>
<td>Retired after full service in W.B.E.S</td>
<td>--</td>
</tr>
<tr>
<td>Swapan Kr. Das</td>
<td>Ph. D.</td>
<td>Guest faculty</td>
<td>Condensed Matter Physics</td>
<td>Retired after full service in W.B.E.S</td>
<td>--</td>
</tr>
</tbody>
</table>
11. List of senior visiting faculty:

<table>
<thead>
<tr>
<th>Name of the department</th>
<th>Name of Academician</th>
<th>Title/ Topic of Lecture</th>
<th>Year</th>
<th>Any other details.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics</td>
<td>Professor Sibaji Raha</td>
<td>A talk on INO project</td>
<td>2014</td>
<td>--</td>
</tr>
<tr>
<td>Physics</td>
<td>Professor G.P. Das</td>
<td>Graphene-A new material</td>
<td>2014</td>
<td>--</td>
</tr>
<tr>
<td>Physics</td>
<td>Professor Rabin Banerjee</td>
<td>Some topics on blackhole physics</td>
<td>2014, 2015</td>
<td>--</td>
</tr>
<tr>
<td>Physics</td>
<td>Professor Soumitra Sengupta</td>
<td>Special Lecture</td>
<td>2013</td>
<td>---</td>
</tr>
<tr>
<td>Physics</td>
<td>Dr. Deepak Pandit</td>
<td>Special Lecture</td>
<td>2015</td>
<td>--</td>
</tr>
<tr>
<td>Physics</td>
<td>Dr. S. R. Banerjee</td>
<td>Special Lecture</td>
<td>2015</td>
<td>--</td>
</tr>
</tbody>
</table>

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

There is no temporary faculty for the UG Section.

The department has no part-time faculty. However, in the PG Section, eminent retired teachers are invited for teaching as guest faculty. At present there are five guest faculties as reported above. In the following table their percentage share of classes are shown per week basis.
<table>
<thead>
<tr>
<th>Name of temporary faculty with Qualification</th>
<th>Designation</th>
<th>Programme</th>
<th>Academic Session Taught</th>
<th>Total No. of classes in the Departmental Routine</th>
<th>Total No. of classes taught by temporary faculty</th>
<th>Percentage of lectures delivered (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Pradip Kr. Dutta</td>
<td>Guest faculty</td>
<td>PG</td>
<td>2011-12</td>
<td>------ ------ ------ -------</td>
<td>------ ------ ------ -------</td>
<td>5.7(th)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2012-13</td>
<td>------ ------ ------ -------</td>
<td>------ ------ ------ -------</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2013-14</td>
<td>------ ------ ------ -------</td>
<td>------ ------ ------ -------</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2014-15</td>
<td>35 30 2</td>
<td>------</td>
<td>5.7(th)</td>
</tr>
<tr>
<td>Dr. Subhas Kar</td>
<td>Guest faculty</td>
<td>PG</td>
<td>2011-12</td>
<td>------ ------ ------ -------</td>
<td>------ ------ ------ -------</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2012-13</td>
<td>35 30 1 3</td>
<td>2.8(th) 10(pr)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2013-14</td>
<td>35 30 1 3</td>
<td>2.8(th) 10(pr)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2014-15</td>
<td>35 30 1 3</td>
<td>2.8(th) 10(pr)</td>
<td></td>
</tr>
<tr>
<td>Dr. Swapan Das</td>
<td>Guest faculty</td>
<td>PG</td>
<td>2011-12</td>
<td>------ ------ ------ -------</td>
<td>------ ------ ------ -------</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2012-13</td>
<td>35 30 2 NIL</td>
<td>5.7(th)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2013-14</td>
<td>35 30 2 NIL</td>
<td>5.7(th)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2014-15</td>
<td>35 30 2 NIL</td>
<td>5.7(th)</td>
<td></td>
</tr>
<tr>
<td>Dr. Prabir Pal</td>
<td>Guest faculty</td>
<td>PG</td>
<td>2011-12</td>
<td>------ ------ ------ -------</td>
<td>------ ------ ------ -------</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2012-13</td>
<td>------ ------ ------ -------</td>
<td>------ ------ ------ -------</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2013-14</td>
<td>35 30 1 NIL</td>
<td>2.8(th)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2014-15</td>
<td>35 30 2 NIL</td>
<td>5.7(th)</td>
<td></td>
</tr>
<tr>
<td>Dr. Debapriyo Syam</td>
<td>Guest faculty</td>
<td>PG</td>
<td>2011-12</td>
<td>------ ------ ------ -------</td>
<td>------ ------ ------ -------</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2012-13</td>
<td>------ ------ ------ -------</td>
<td>------ ------ ------ -------</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2013-14</td>
<td>37 Nil 37 NIL</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2014-15</td>
<td>------ ------ ------ -------</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
13. **Student-Teacher Ratio (programme wise):**

<table>
<thead>
<tr>
<th>Academic Session</th>
<th>Programme</th>
<th>No. of Students</th>
<th>No. of Teachers (at the beginning of Session)</th>
<th>Student: Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-2012</td>
<td>UG Hons.</td>
<td>94</td>
<td>12</td>
<td>8:1</td>
</tr>
<tr>
<td></td>
<td>PG</td>
<td>40</td>
<td>15</td>
<td>3:1</td>
</tr>
<tr>
<td>2012-2013</td>
<td>UG Hons.</td>
<td>103</td>
<td>10</td>
<td>10:1</td>
</tr>
<tr>
<td></td>
<td>PG</td>
<td>40</td>
<td>14</td>
<td>3:1</td>
</tr>
<tr>
<td>2013-2014</td>
<td>UG Hons.</td>
<td>107</td>
<td>9</td>
<td>12:1</td>
</tr>
<tr>
<td></td>
<td>PG</td>
<td>40</td>
<td>14</td>
<td>3:1</td>
</tr>
<tr>
<td>2014-2015</td>
<td>UG Hons.</td>
<td>106</td>
<td>9</td>
<td>12:1</td>
</tr>
<tr>
<td></td>
<td>PG</td>
<td>40</td>
<td>14</td>
<td>3:1</td>
</tr>
</tbody>
</table>

14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled:**

<table>
<thead>
<tr>
<th>Post</th>
<th>Sanctioned</th>
<th>Filled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic support staff (technical)</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Administrative staff</td>
<td>3</td>
<td>2</td>
</tr>
</tbody>
</table>

15. **Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:**

<table>
<thead>
<tr>
<th>Highest Qualification</th>
<th>No. of Teaching Faculty (Existing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>D.Sc./D.Litt.</td>
<td>None</td>
</tr>
<tr>
<td>Ph.D.</td>
<td>09 +05 (guest faculties)</td>
</tr>
<tr>
<td>M. Phil.</td>
<td>--------------------</td>
</tr>
<tr>
<td>PG</td>
<td>03</td>
</tr>
</tbody>
</table>

16. **Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:** Three

Research project details.

<table>
<thead>
<tr>
<th>Faculty</th>
<th>Title of the project</th>
<th>Duration</th>
<th>Funding Agency</th>
<th>Grant Sanctioned (Rs)</th>
<th>Grant Received (Rs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Sankar Mandal</td>
<td>Development of Cathode Materials of Lithium ion Battery as a Source of Alternative Power Storage System.</td>
<td>2015-2017</td>
<td>UGC</td>
<td>4,20,000</td>
<td>3,10,000</td>
</tr>
<tr>
<td>Dr. Somnath Bhattacharya</td>
<td>Early stage dynamics of nonlinear systems and its effect on related properties.</td>
<td>2015-2017</td>
<td>UGC</td>
<td>1,50,000</td>
<td>1,15,000</td>
</tr>
<tr>
<td>Dr. Srijit Bhattacharya</td>
<td>Analysis of cellular phone tower radiation in residential area and its possible effect on human</td>
<td>2015-2017</td>
<td>UGC</td>
<td>2,45,000</td>
<td>187000</td>
</tr>
</tbody>
</table>
17. **Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc. and total grants received:**
None

18. **Research Centre / facility recognized by the University:**
None

19. **Publications:**
Total No. of Publications of the Department (2010-15, during the teachers’ tenure at Barasat Government College) = 42

**Publications details of Faculty:**

<table>
<thead>
<tr>
<th>NAME OF FACULTY</th>
<th>No. of papers in Peer reviewed National/International Journal</th>
<th>No. of publications listed in Int. Data base</th>
<th>Monograph</th>
<th>Chapter in Books</th>
<th>Books Edited</th>
<th>Books With ISSN/ISBN No.</th>
<th>Citation Index</th>
<th>SNIP</th>
<th>SJR</th>
<th>Impact Factor</th>
<th>H- Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pradip Mukherjee</td>
<td>26</td>
<td>26</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>113.260</td>
<td>13</td>
</tr>
<tr>
<td>Shilabhadra Chatterjee</td>
<td>07</td>
<td>07</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>28.2</td>
<td>04</td>
</tr>
<tr>
<td>Ajita Sengupta</td>
<td>12</td>
<td>09</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>20.68</td>
<td>05</td>
</tr>
<tr>
<td>Dhananjoy Roy</td>
<td>14</td>
<td>14</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>23.568</td>
<td>1</td>
</tr>
<tr>
<td>Sankar Mandal</td>
<td>21</td>
<td>21</td>
<td></td>
<td>1</td>
<td>625</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>67.02</td>
<td>11</td>
</tr>
<tr>
<td>Mina Majumder</td>
<td>02</td>
<td>02</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5.6</td>
<td>2</td>
</tr>
<tr>
<td>Srijit Bhattacharya</td>
<td>21</td>
<td>19</td>
<td>1</td>
<td></td>
<td>169</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>63.0</td>
<td>9</td>
</tr>
<tr>
<td>Somenath Bhattacharya</td>
<td>4</td>
<td>2</td>
<td></td>
<td></td>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4.383</td>
<td>2</td>
</tr>
</tbody>
</table>
20. **Areas of consultancy and income generated:**
None

21. **Faculty as members in**
   a) **National committees**
   b) **International Committees**
   c) **Editorial Boards**
   d) **Others**

<table>
<thead>
<tr>
<th>NAME OF FACULTY</th>
<th>National committees/International Committees /Editorial Boards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pradip Mukherjee</td>
<td>Member IAGRG</td>
</tr>
<tr>
<td>Subhasis Chakraborty (Transferred)</td>
<td>Member IAPT</td>
</tr>
<tr>
<td>Debapriyo Syam (Guest Faculty)</td>
<td>Member board of studies (UG) of WBSU, Barasat</td>
</tr>
</tbody>
</table>

22. **Student projects:** The PG students are required to do project work as partial fulfilment of M. Sc. Semester IV course. The evaluation is done on the basis of internal assessment and a power point presentation of 30 minutes including question session.

Details of the project works are given in the **Annexure-1**

b) **Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies:** 17%

23. **Awards/Recognitions received by faculty and students:**
Pradip Mukherjee, Visiting Associateship, IUCAA, Pune.

24. **List of eminent academicians and scientists/visitors to the department:** Same as 11
25. **Seminars/Conferences/Workshops organized & the source of funding:**

The department has regularly organized Seminars. Symposia etc. as detailed below. These were financed by the College and as such cannot be categorized.

1. One day seminar on 'physics teaching methodology'
   Speakers – Dr. Birendranath Das (Presidency University), Dr. Bhupati Chakraborty (City, College, Kolkata), Dr. Surajit Chakraborty (Maharaja Manindra Chandra College, Kolkata), Dr. Syed Minhaz Hossain (IIEST, Shibpur).
   21.01.12

2. Seminar lecture on 'Why do we require optics in computing'
   Speaker- Dr. Tanay Chakraborty (WBPDCL, Kolaghat)
   03.10.12.

3. Seminar lecture on 'The amazing story of the Higgs boson'
   Speaker-- Professor Soumitra Sengupta (Indian Association for the Cultivation of Science)
   13.10.12.

4. Seminar lecture on 'Indian initiative in neutrino research'
   Speaker-- Dr. Kolahal Bhattacharya (TIFR)
   16.01.13.

5. One day seminar on 'Recent trends in physics'
   Speakers-- Professor Rabin Banerjee (S N Bose National Centre for Basic Sciences)
   Professor Sibaji Raha (Director, Bose Institute, Kolkata)
   Professor G. P. Das (Indian Association for the Cultivation of Science)
   31.08.2013

6. Seminar lecture on 'Effect of projectile breakup on fission fragment mass distribution in $^6,7\text{Li} + ^{238}\text{U}$ reactions'
   Speaker: Mr. Dipayan Chattopadhyay (BARC)
   02.08.2014

26. **Student profile programme/ course wise:**

<table>
<thead>
<tr>
<th>Name of the Course/programme</th>
<th>Applications received</th>
<th>Selected</th>
<th>Enrolled *</th>
<th>Pass percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012-2013 (UG)</td>
<td>346</td>
<td>37</td>
<td>25</td>
<td>12</td>
</tr>
<tr>
<td>2013-2014 (UG)</td>
<td>331</td>
<td>33</td>
<td>30</td>
<td>3</td>
</tr>
<tr>
<td>2014-2015 (UG)</td>
<td>392</td>
<td>36</td>
<td>29</td>
<td>7</td>
</tr>
<tr>
<td>2015-16 (UG)</td>
<td>737</td>
<td>51</td>
<td>40</td>
<td>11</td>
</tr>
</tbody>
</table>
### Name of the Course/programme | Applications received | Selected | Enrolled | Pass percentage |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>*M</td>
<td>*F</td>
<td></td>
</tr>
<tr>
<td>2010-2011 (PG)</td>
<td>185</td>
<td>20</td>
<td>17</td>
<td>3</td>
</tr>
<tr>
<td>2011-2012 (PG)</td>
<td>183</td>
<td>20</td>
<td>11</td>
<td>9</td>
</tr>
<tr>
<td>2012-2013 (PG)</td>
<td>176</td>
<td>20</td>
<td>15</td>
<td>5</td>
</tr>
<tr>
<td>2013-2014 (PG)</td>
<td>178</td>
<td>20</td>
<td>19</td>
<td>NA</td>
</tr>
<tr>
<td>2014-2015 (PG)</td>
<td>153</td>
<td>22</td>
<td>14</td>
<td>6</td>
</tr>
</tbody>
</table>

*M = Male *F = Female

27. Diversity of Students

<table>
<thead>
<tr>
<th>Name of the Course</th>
<th>% of students from the same state</th>
<th>% of students from other States</th>
<th>% of students From abroad</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG</td>
<td>100</td>
<td>NIL</td>
<td>NIL</td>
</tr>
<tr>
<td>PG</td>
<td>100</td>
<td>NIL</td>
<td>NIL</td>
</tr>
</tbody>
</table>

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?  

<table>
<thead>
<tr>
<th>Name of the Competitive Examination</th>
<th>No. of students passed (in last five years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSIR NET</td>
<td>3</td>
</tr>
<tr>
<td>GATE</td>
<td>1</td>
</tr>
<tr>
<td>JEST &amp; IIT JAM</td>
<td>8</td>
</tr>
<tr>
<td>IUCAA (Pre-selected)</td>
<td>1</td>
</tr>
<tr>
<td>WB School Service Commission</td>
<td>2</td>
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</tbody>
</table>

29. Student progression: (2011-2015)

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Against % enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td>90%</td>
</tr>
<tr>
<td>PG to M. Phil.</td>
<td>None</td>
</tr>
<tr>
<td>PG to Ph. D.</td>
<td>15%</td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td>100%</td>
</tr>
<tr>
<td>Employed</td>
<td>Information not available</td>
</tr>
<tr>
<td>• Campus selection</td>
<td></td>
</tr>
<tr>
<td>• Other than campus recruitment</td>
<td></td>
</tr>
<tr>
<td>Entrepreneurship/ Self-employment</td>
<td>-do-</td>
</tr>
</tbody>
</table>
30. **Details of Infrastructural facilities:**

a) **Library:** Seminar Library: The seminar libraries are kind of extensions of the main library. Books are borrowed from the main library and entered in the stock of the seminar library. The departmental seminar library has sufficient text and reference books to meet the students’ requirements. All students of the PG course and Honours stream use the library regularly. One of the faculty members conducts the library works as seminar in charge.

b) **Internet facilities for Staff & Students:** A central computer room has been established in the department. The department has 14 desktop computers of which 7 have active internet connection, 4 printers and one Ricoh copiers/scanners and another copier. Most of the Department is endowed with Wi-Fi facility as part of the networking done under the DST-FIST assistance received by the college.

c) **Class rooms with ICT facility:** Modern teaching methods like Over-Head projector, Slide projector and Computer devices like digital visualizer are employed. A seminar cum class-room with LCD projector facility is there for use as research group discussion room as well as for audio-visual class room. The Internet facility is widely used for individual training of the students.

d) **Laboratories:** The Physics Department has 4(four) laboratories and 2(two) dark rooms for undergraduate Honours and General Practical classes. This includes one electronics lab and one optics lab for the 3rd year Honours students. Two other laboratories are assigned to the 1st year and the 2nd year students. The laboratory for general experiments is used by the 1st year Honours and General students also. The laboratories are well equipped. The instruments are well maintained by one skilled bearer and one bearer in the day section and one bearer in the morning section. The yearly grants from Government of West Bengal and UGC are utilized to upgrade the laboratories. The faculty members actively participate and give their suggestions in this process.
In the PG section there is a general and electronics laboratory that caters the requirement of the Semester I and II students. One advanced condensed matter laboratory and one project laboratory have been developed.

**Advanced laboratories**: The department has a scanning tunnelling electron microscope, an F.T.I.R, an UV-Vis spectrophotometer, material preparation furnace and ovens, battery tester and MHz-GHz spectrum analyser among the state of the art facilities.

We also have a large astronomical telescope (Reflecting type), which is used in sky watching programs in connection with interesting celestial events.

31. **Number of students receiving financial assistance from college, university, government or other agencies**:

<table>
<thead>
<tr>
<th>Year</th>
<th>Financing agency</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-12</td>
<td>College</td>
<td>Half free</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Full free</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>DST inspire</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Indira Gandhi single girl child scholarship</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2012-13</td>
<td>College</td>
<td>Half free</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Full free</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>DST inspire</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Indira Gandhi single girl child scholarship</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2013-14</td>
<td>College</td>
<td>Half free</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Full free</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>DST inspire</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Indira Gandhi single girl child scholarship</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2014-15</td>
<td>College</td>
<td>Half free</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Full free</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>DST inspire</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Indira Gandhi single girl child scholarship</td>
<td></td>
<td>NA</td>
</tr>
</tbody>
</table>
32. **Details on student enrichment programmes (special lectures/workshops/ seminar) with external experts:**

<table>
<thead>
<tr>
<th>Student Enrichment Programme</th>
<th>Held on</th>
<th>Title</th>
<th>Funding Agency</th>
<th>External Expert/Resource Person/ Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methodology of Physics teaching</td>
<td>21.1.12</td>
<td>Physics teaching methodology</td>
<td>College</td>
<td>Dr. Birendranath Das (Presidency University), Dr. Bhupati Chakraborty (City College, Kolkata), Dr. Surajit Chakraborty (Maharaja Manindra Chandra College, Kolkata), Dr. Syed Minhaz Hossain (IIEST, Shibpur)</td>
</tr>
<tr>
<td>Ex-students’ seminar</td>
<td>02.08.2014</td>
<td>Effect of projectile breakup on fission fragment mass distribution</td>
<td>do</td>
<td>Mr. Dipayan Chattopadhyay (BARC)</td>
</tr>
</tbody>
</table>

33. **Teaching methods adopted to improve student learning:**


34. **Participation in Institutional Social Responsibility (ISR) and Extension activities:**

Dr. Srijit Bhattacharya of our department performed as a judge at the District Students Science Seminar, 2012 and 2014 organized by District Youth Organization.
35. **SWOC analysis of the department and Future plans:**

<table>
<thead>
<tr>
<th>Strengths</th>
<th>Weaknesses</th>
<th>Opportunity</th>
<th>Challenge</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Highly qualified and motivated faculty with the right blend of experience and youth. Apart from the full time faculty members, a very distinguished pool of guest faculties strengthens the teaching-learning process.</td>
<td>1. The tendency of joining engineering and other applied courses is a hindrance to the coherent activities in the undergraduate section.</td>
<td>There are opportunities to eliminate the weaknesses. The tendency of the under-graduates to leave physics may be combated by bringing the very interesting front line discoveries and challenges of physics to the freshers.</td>
<td>To avail the opportunities the faculty is required to make the teaching materials more interesting and use infrastructural facilities more efficiently</td>
</tr>
<tr>
<td>2. Meritorious students, a large section of whom coming from rural population find the department a natural choice.</td>
<td>2. Number of faculty members is not sufficient to deliver personal guidance to the students.</td>
<td>2. The government is aware of the problems and we hope we action will be taken.</td>
<td></td>
</tr>
<tr>
<td>3. Infrastructural facilities like good lecture rooms, seminar library, well equipped laboratories, computer lab, high speed wi-fi network facility and a project laboratory equipped with state-of-the-art experimental setup.</td>
<td>3. There is no technical staff in the department. Also administrative staff are all group – D cadre.</td>
<td>3. Same as 2.</td>
<td></td>
</tr>
</tbody>
</table>
Future Plan of action of the department

The future plan of action can be briefly organized in the following points:

1. Efforts will be taken to improve the undergraduate teaching. A student in the first year of physics comes with many fascinating ideas. But the curricula naturally are based to give them a solid training of techniques which have evolved over the last 300 years. To bridge this gap we plan to arrange for a coherent series of lectures at the beginning level by experts in various fields. The second year B.Sc. Students will also be benefited by such lecture series.

2. The advanced undergraduate and post graduate students need to know what opportunities of research are there in our country. We have already started organizing seminars and one day lectures for this purpose but due to various reasons regularity could not be maintained. Our future plan is to regularize and expand the scope of these activities.

3. In the previous years we have tried to form research groups from our departmental pool of faculty. Presently, a cosmology group is working and also more collaborative approach has evolved in people working in experimental physics. Group activities of people working in different areas but using common technique and facilities are our goal.

4. The annual research output and the quality of it as reflected by the list of publications is certainly incommensurate with the research fund generated by the departmental faculty. Our plan is to give particular attention to it and generate more funds.
10. DEPARTMENT OF POLITICAL SCIENCE

1. Name of the department: POLITICAL SCIENCE

2. Year of Establishment: 1950

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters, Integrated Ph.D., etc.):

UG (B.A. Political Science Honours and Political Science General)

4. Names of Interdisciplinary courses and the departments/ units involved:

None

5. Annual/ semester/ choice based credit system (programme wise):

B.A. Political Science Honours: Annual Examinations (Part I, Part II and Part III)

6. Participation of the department in the courses offered by other departments:

Political Science is offered as a General Subject for the following Honours Subjects - Bengali, English, History, Sanskrit, Philosophy, Geography, Economics.

Political Science is also offered as a subject in the B.A. General Course, in the Morning Section.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.:

Nil

8. Details of courses/ programmes discontinued (if any) with reasons:

Nil

9. Number of teaching posts:

<table>
<thead>
<tr>
<th>POSTS</th>
<th>SANCTIONED</th>
<th>FILLED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>04</td>
<td>01</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>02</td>
<td></td>
</tr>
</tbody>
</table>
10. Faculty profile with name, qualification, designation, specialization
(D.Sc./D.Litt./Ph.D./M.Phil., etc.):

<table>
<thead>
<tr>
<th>NAME OF THE FACULTY</th>
<th>QUALIFICATION</th>
<th>DESIGNATION</th>
<th>SPECIALISATION</th>
<th>NO. of YEARS EXPERIENCE</th>
<th>NO. OF PhD STUDENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A) CURRENT FULL TIME FACULTY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ranjan Kumar Ray</td>
<td>M.A</td>
<td>Associate Professor</td>
<td>Comparative Politics and Government</td>
<td>32 years</td>
<td>None</td>
</tr>
<tr>
<td>Sreemoyee Ghosh</td>
<td>M.A. Regd. for Ph.D</td>
<td>Assistant Professor</td>
<td>Contemporary Indian Society and Politics</td>
<td>9 years 11 months</td>
<td>None</td>
</tr>
<tr>
<td>Kinshuk Nandi</td>
<td>M.A. Regd. for Ph.D</td>
<td>Assistant Professor</td>
<td>South Asia</td>
<td>6 years</td>
<td>None</td>
</tr>
<tr>
<td><strong>B) FULL TIME FACULTY TRANSFERRED (Since October 2010)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Gouri Sankar Nag</td>
<td>Ph. D.</td>
<td>Assistant Professor</td>
<td>Political Theory and International Relations</td>
<td>13 years 6 months (transferred to Government General Degree College, Rajarhat in 2013)</td>
<td>None</td>
</tr>
<tr>
<td>Jayanta Joy Chattopadhyay</td>
<td>M.A. M.Phil.</td>
<td>Associate Professor</td>
<td>History of Socialist Thought</td>
<td>32 years (transferred to Durgapur Government College in 2013)</td>
<td>None</td>
</tr>
<tr>
<td><strong>C) PART-TIME FACULTY/GUEST FACULTY (Day)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mukut Basu</td>
<td>M.A. Regd. for Ph.D</td>
<td>Part-time Faculty</td>
<td>India and her neighbours</td>
<td>7 years</td>
<td>None</td>
</tr>
<tr>
<td>Amrita Bandopadhyay</td>
<td>M.A. M.Phil.</td>
<td>Part-time Faculty</td>
<td>Cultural Studies</td>
<td>7 years</td>
<td>None</td>
</tr>
<tr>
<td><strong>D) PART-TIME FACULTY/GUEST FACULTY (Morning)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shilu Ghosh Chakraborty</td>
<td>M.A. B.Ed</td>
<td>Part-time Faculty</td>
<td>Local Government</td>
<td>15 years</td>
<td>None</td>
</tr>
<tr>
<td>Munmun Guha</td>
<td>M.A. B.Ed</td>
<td>Part-time Faculty</td>
<td>Local Government</td>
<td>25 years</td>
<td>None</td>
</tr>
</tbody>
</table>

11. List of senior visiting faculty:

None
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

<table>
<thead>
<tr>
<th>Name of temporary faculty with Qualification</th>
<th>Designation</th>
<th>Programme</th>
<th>Academic Session Taught</th>
<th>Total No. of classes in the Departmental Routine (per week)</th>
<th>Total No. of classes taught by temporary faculty (per week)</th>
<th>Percentage of lectures delivered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mukut Basu M.A. Regd. for Ph.D</td>
<td>Part-time Faculty</td>
<td>B.A. Hons &amp; General</td>
<td>2011-12 58 08</td>
<td>05 01 9%</td>
<td>2012-13 55 09</td>
<td>07 01 12.5%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2013-14 86 09</td>
<td>09 01 10.5%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2014-15 83 09</td>
<td>09 01 10%</td>
</tr>
<tr>
<td>Amrita Banerjee M.A M.Phil</td>
<td>Part-time Faculty</td>
<td>B.A. Hons &amp; General</td>
<td>2011-12 58 08</td>
<td>07 01 12%</td>
<td>2012-13 55 09</td>
<td>07 01 12.5%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2013-14 86 09</td>
<td>12 01 13%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2014-15 83 08</td>
<td>09 01 10%</td>
</tr>
<tr>
<td>Channamma Mondal M.A.</td>
<td>Part-time Faculty</td>
<td>B.A. Hons &amp; General</td>
<td>2011-12 58 08</td>
<td>07 00 10%</td>
<td>2012-13 55 09</td>
<td>05 01 9%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2013-14 86 09</td>
<td>07 02 9%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2014-15 83 08</td>
<td>09 01 10%</td>
</tr>
</tbody>
</table>

13. Student-Teacher Ratio (programme wise):

<table>
<thead>
<tr>
<th>Academic Session</th>
<th>Programme</th>
<th>No. of Students</th>
<th>No. of Teachers (at the beginning of Session)</th>
<th>Student: Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-2011</td>
<td>UG Hons.</td>
<td>112</td>
<td>6</td>
<td>18:1</td>
</tr>
<tr>
<td>2011-2012</td>
<td>UG Hons.</td>
<td>131</td>
<td>7</td>
<td>18:1</td>
</tr>
<tr>
<td>2012-2013</td>
<td>UG Hons.</td>
<td>155</td>
<td>7</td>
<td>22:1</td>
</tr>
<tr>
<td>2013-2014</td>
<td>UG Hons.</td>
<td>162</td>
<td>6</td>
<td>27:1</td>
</tr>
<tr>
<td>2014-2015</td>
<td>UG Hons.</td>
<td>161</td>
<td>6</td>
<td>26:1</td>
</tr>
</tbody>
</table>
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

<table>
<thead>
<tr>
<th>Post</th>
<th>Sanctioned</th>
<th>Filled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic support staff (technical)</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Administrative staff</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:

<table>
<thead>
<tr>
<th>Highest Qualification</th>
<th>No. of Teaching Faculty (Existing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>D.Sc./D.Litt.</td>
<td>0</td>
</tr>
<tr>
<td>Ph.D.</td>
<td>0</td>
</tr>
<tr>
<td>M. Phil.</td>
<td>1</td>
</tr>
<tr>
<td>PG</td>
<td>6</td>
</tr>
</tbody>
</table>

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:
None

17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc. and total grants received:
None

18. Research Centre/facility recognized by the University:
None

19. Publications:
Total No. of Publications of the Department
(2010-15, during the teachers’ tenure at Barasat Government College) = 23
Publications details of Faculty:

A) CURRENT FULL TIME FACULTY

<table>
<thead>
<tr>
<th>NAME OF FACULTY</th>
<th>No. of papers in Peer reviewed National/International Journal</th>
<th>No. of publications listed in Int. Data base</th>
<th>Monograph</th>
<th>Chapter in Books</th>
<th>Books Edited</th>
<th>Books With ISSN/ISBN No.</th>
<th>Citation Index</th>
<th>SNIP</th>
<th>SJR</th>
<th>Impact Factor</th>
<th>H-Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ranjan Kumar Ray</td>
<td>2 (Nat)</td>
<td>4 (All with ISBN No)</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sreemoyee Ghosh</td>
<td>1 (Int. conference proceeding)</td>
<td>5 (All with ISBN No)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kinshuk Nandi</td>
<td>1 (regional)</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

B) FULL TIME FACULTY TRANSFERRED/ON-LIEN (Since October 2010)

<table>
<thead>
<tr>
<th>NAME OF FACULTY</th>
<th>No. of papers in Peer reviewed National/International Journal</th>
<th>No. of publications listed in Int. Data base</th>
<th>Monograph</th>
<th>Chapter in Books</th>
<th>Books Edited</th>
<th>Books With ISSN/ISBN No.</th>
<th>Citation Index</th>
<th>SNIP</th>
<th>SJR</th>
<th>Impact Factor</th>
<th>H-Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Gouri Sankar Nag</td>
<td>3 (1-Nat, 1-Regional, 1-national level conference proceeding)</td>
<td></td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

C) PART-TIME FACULTY/GUEST FACULTY (Day)

<table>
<thead>
<tr>
<th>NAME OF FACULTY</th>
<th>No. of papers in Peer reviewed National/International Journal</th>
<th>No. of publications listed in Int. Data base</th>
<th>Monograph</th>
<th>Chapter in Books</th>
<th>Books Edited</th>
<th>Books With ISSN/ISBN No.</th>
<th>Citation Index</th>
<th>SNIP</th>
<th>SJR</th>
<th>Impact Factor</th>
<th>H-Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mukut Basu</td>
<td>1 (With ISBN No)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
20. Areas of consultancy and income generated:
Dr. Gouri Sankar Nag was a Jury member in District level Youth Parliament in 24 Parganas (N). He was nominated as Subject Expert by VC, West Bengal State University with respect to Career Advancement Scheme for Dakshineswar (Adyapith) B.Ed College and Jogen Mondal College of 24 Parganas (N) in 2013.

21. Faculty as members in
   a) National committees  b) International Committees  c) Editorial Boards

<table>
<thead>
<tr>
<th>NAME OF FACULTY</th>
<th>National committees/International Committees /Editorial Boards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ranjan Kumar Ray</td>
<td>All India Political Science Association</td>
</tr>
<tr>
<td></td>
<td>2. Indian Association for Women’s Studies</td>
</tr>
<tr>
<td>Kinshuk Nandi</td>
<td>West Bengal Political Science Association</td>
</tr>
</tbody>
</table>

22. Student projects:
None

a) Percentage of students who have done in-house projects including inter-departmental/programme:


The seminar method was introduced to enliven the class-room teaching, to inculcate research and analytic method of study, to create scope for exposure to current affairs and to make the students (through presentations) confident in their subject and train them in public speaking.

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies:

Students of the Department actively participate in Youth Parliament Competition within the State, and Quiz competition to get accustomed to the culture of parliamentary democracy.
Therefore, participation in these platforms instils among the students, the values of citizenship and democratic culture.

23. Awards/Recognitions received by faculty and students

Faculty:
Nil

Students:
1. Sanchita Das was topper in Political Science Honours in the Final Examination of the West Bengal State University, 2012.

24. List of eminent academicians and scientists/visitors to the department:
Justice Chittatosh Mookerjee and Dr. Indrashish Banerjee acted as resource persons in the Awareness Programme on Human Rights on 15th December 2014.

25. Seminars/Conferences/Workshops organized & the source of funding

a) National:

<table>
<thead>
<tr>
<th>THEME</th>
<th>LEVEL</th>
<th>FUNDING AGENCY</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Awareness Programme on Human Rights</td>
<td>College</td>
<td>College Authority</td>
<td>15th December 2014</td>
</tr>
<tr>
<td>Students’ Seminar on Human Rights</td>
<td>College</td>
<td>College Authority</td>
<td>15th December 2014</td>
</tr>
</tbody>
</table>

b) International:
Nil

26. Student profile programme/ course wise:

<table>
<thead>
<tr>
<th>Name of the Course/programme Political Science Honours</th>
<th>Applications received</th>
<th>Selected</th>
<th>Enrolled</th>
<th>Total Students appeared in the Univ. Exams</th>
<th>Total Passed</th>
<th>Ist class obtained</th>
<th>Pass percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>M  F</td>
<td>M  F</td>
<td>Total Passed</td>
<td>Ist class obtained</td>
<td>Pass percentage</td>
<td></td>
</tr>
<tr>
<td>2012-2013</td>
<td>248</td>
<td>58 24</td>
<td>39</td>
<td>0</td>
<td>100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2013-2014</td>
<td>204</td>
<td>60 28</td>
<td>32</td>
<td>0</td>
<td>100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2014-2015</td>
<td>141</td>
<td>43 21</td>
<td>41</td>
<td>0</td>
<td>Not yet received</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2015-2016</td>
<td>700</td>
<td>79 37</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*M = Male   *F = Female
27. Diversity of Students

<table>
<thead>
<tr>
<th>Name of the Course</th>
<th>% of students from the same state</th>
<th>% of students from other States</th>
<th>% of students from abroad</th>
</tr>
</thead>
<tbody>
<tr>
<td>B.A. Political Science (Honours) as in the last five academic sessions</td>
<td>100 %</td>
<td>N.A</td>
<td>N.A</td>
</tr>
</tbody>
</table>

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.

<table>
<thead>
<tr>
<th>Name of the Competitive Examination</th>
<th>No. of students passed (in last five years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>State Level Eligibility Test (SET)</td>
<td>02 (2012, 2015)</td>
</tr>
</tbody>
</table>

29. Student progression: (2011-2015)

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Against % enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td>On the basis of verbal feedback from the students, it is revealed that nearly 60% students move to study PG</td>
</tr>
<tr>
<td>PG to M. Phil.</td>
<td></td>
</tr>
<tr>
<td>PG to Ph. D.</td>
<td></td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td></td>
</tr>
<tr>
<td>Employed</td>
<td>Tanmoy Mondal (passed out in 2012) teaches Political Science as a guest teacher at Amdanga High School.</td>
</tr>
<tr>
<td>• Campus selection</td>
<td></td>
</tr>
<tr>
<td>• Other than campus recruitment</td>
<td></td>
</tr>
<tr>
<td>Entrepreneurship/ Self-employment</td>
<td></td>
</tr>
</tbody>
</table>
30. Details of Infrastructural facilities

a) Library:
The department has Seminar Library of about 150 books. The students are allowed to borrow books for a week with renewed facility. The library aims to promptly cater to the academic needs of the students by providing them both the basic text and reference books. Simultaneously, it deserves mention that the Central library contains various useful and enriching journals/magazines like Economic and Political Weekly, Frontline, Yojana. The teachers encourage the students to read these resources as these are highly beneficial to the students of Political Science as a gateway to the realistic world and expose them to the wide spectrum of knowledge of the subject.

b) Internet facilities for Staff & Students:
The entire campus is Wi-Fi enabled. The students can have access to e-resources from the library. The teachers suggest the students to read e-books and e-journals to refine and broaden their understanding on varied themes of the subject. The faculty can have access to internet within the campus. The department has a laptop of its own that contributes to have access to internet.

c) Class rooms with ICT facility:
As the department has no classroom with ICT facility of its own, it uses the auditorium of the college that contains all the ICT facilities. Therefore, it is used for screening movies, relevant to the syllabus of Political Science. Also, the departmental laptop is used for PowerPoint presentations to the students.

d) Laboratories:  N.A
31. **Number of students receiving financial assistance from college, university, government or other agencies:**

<table>
<thead>
<tr>
<th>Name of the Scholarship/Studentship</th>
<th>Session</th>
<th>No. of Students receiving financial assistance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Total</td>
</tr>
<tr>
<td>FULL FREE-SHIP</td>
<td>2011-12</td>
<td>19</td>
</tr>
<tr>
<td></td>
<td>2012-13</td>
<td>06</td>
</tr>
<tr>
<td></td>
<td>2013-14</td>
<td>08</td>
</tr>
<tr>
<td></td>
<td>2014-15</td>
<td>11</td>
</tr>
<tr>
<td>HALF FREE-SHIP</td>
<td>2011-12</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>2012-13</td>
<td>09</td>
</tr>
<tr>
<td></td>
<td>2013-14</td>
<td>19</td>
</tr>
<tr>
<td></td>
<td>2014-15</td>
<td>02</td>
</tr>
</tbody>
</table>

Besides the above stated scholarship, other government and/or private scholarships are availed by the students. However as these are disbursed centrally and not channelized through the academic departments, the records are not maintained by individual departments.

32. **Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts:**

<table>
<thead>
<tr>
<th>Student Enrichment Programme</th>
<th>Held on</th>
<th>Title</th>
<th>Funding Agency</th>
<th>External Expert/Resource Person/ Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>Awareness Programme</td>
<td>15th December 2014</td>
<td>Human Rights</td>
<td>College Authority</td>
<td>Justice Chittatosh Mookerjee and Dr. Indrashis Banerjee</td>
</tr>
<tr>
<td>Students’ Seminar</td>
<td>15th December 2014</td>
<td>Human Rights</td>
<td>College Authority</td>
<td></td>
</tr>
</tbody>
</table>

33. **Teaching methods adopted to improve student learning:**

Besides class lectures, tutorials and assignments have been introduced for taking care of the problems and demands of the students. Teachers use tools like Globe and Map to impart lectures on International and comparative politics in an efficient manner. In March 2015, two
movies, namely, “Chittagong” and “Gandhi” were screened as educational and patriotic movies. Both these movies were selected for screening owing to their relevance to the current syllabus of Political Science Honours.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:
The students participated in different programmes of the College that had been organized by the NSS Unit like the blood donation camp, awareness creation programmes on child rights, environment-related programmes, Yoga programme.

35. SWOC analysis of the department and Future plans:

<table>
<thead>
<tr>
<th>Strengths</th>
<th>Weaknesses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Many of the students are first generation learners. Yet they perform well. Free studentship, good library books and study materials are supplied to them. Several BPL students pursue studies amidst pecuniary difficulties.</td>
<td>The department does not have dedicated classroom. However, this problem is not exclusive to the department. Construction of new building in the future should settle the issue.</td>
</tr>
<tr>
<td>The students are interested to know about current affairs and try to relate the theoretical knowledge of the subject with practice.</td>
<td>A section of students suffer from weakness in English and therefore, it acts as a deterrent to have access to learning resources of the subject that are written in English.</td>
</tr>
<tr>
<td>Enrollment of female students shows a healthy ration vis-à-vis male students. Ample number of SC and minority students complete the diversity in student profile.</td>
<td>Often lack of quality reference materials in vernacular medium creates difficulty in study for a section of students who suffer from weakness in English.</td>
</tr>
<tr>
<td>The teacher-student ratio is low, resulting in greater attention to individual students.</td>
<td>Due to lack of career opportunity in school teaching, demand for the discipline is waning. As Political Science is not offered till the 10th standard, career openings through School Service Commission is low. As a result, fewer numbers of students are opting for the subject.</td>
</tr>
<tr>
<td>The pass percentage is appreciable. Discontinuation of studies by students is rare.</td>
<td>Several students stay quite a far away from the college. Consequently, they face transport problems. This infrastructural constraint, sometimes, affect the attendance of the students, particularly the girls.</td>
</tr>
</tbody>
</table>
Parent-teacher meetings offer valuable inputs for both sides.

Innovative teaching methods such as film shows, debates, students’ seminars, power point lectures, Youth Parliament competition etc make the learning process enjoyable.

Opportunities:

1. An admixture of youth and experience among the faculty members creates a fine balance in teaching-learning-evaluation process.
2. The dynamic nature of the discipline, marked by rapid socio-economic changes and developments in national and international arena, makes it relevant for many enthusiasts.
3. Subject matter of the discipline caters to students opting for competitive examinations.
4. Interactive nature of classroom teaching inculcates critical thinking and keen interest to know beyond textbooks among the students.

Challenges:

1. Suitable career placements for the graduates of the Department are few. It is difficult to motivate them for pursuing higher studies without providing a definite career orientation.
2. Due to certain socio-economic peculiarities, few girls discontinue their studies after getting married. Though the teachers put extra efforts to address the issue, retaining their interest in classroom teaching remains a challenge.
3. Severe financial strain on few students results in their taking certain part-time jobs. While they continue their studies, holding their attention on studies is a challenge.

Future Plans:

- To help the students improve their job prospects, the teachers plan to conduct special career oriented sessions and supply relevant documents and materials.
- Encouraging the students from challenging economic backgrounds in using the digital platform actively forms part of the larger plans of the department.
- The department plans to upgrade the facility of seminar library. Reluctance of students to consult reference books in English has halted the progress of seminar
library to an extent. The teachers plan to translate few important articles for the use of students.

- The department plans student excursions to Legislative Assembly and other relevant sites related to parliamentary democracy.
- To promote the research orientation among students, the Department plans to publish their presentations through students’ seminars in monographs and College journal.
- The department also intends to help backward students more actively both inside and outside the classroom.
- The Department plans to organize more special lectures by erudite persons.
11. DEPARTMENT OF PHILOSOPHY

1. Name of the department: PHILOSOPHY
2. Year of Establishment: 1950

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters, Integrated Ph.D., etc.):
   UG (B.A. Philosophy Honours and Philosophy General)

4. Names of Interdisciplinary courses and the departments/units involved:
   None

5. Annual/semester/choice based credit system (programme wise):
   B.A. Philosophy Honours: Annual Examinations (Part I, Part II and Part III)

6. Participation of the department in the courses offered by other departments:
   Philosophy is offered as a General Subject for the following Honours subjects:
   Bengali, History, Political Science and English.
   Philosophy is also offered as a subject in the B.A. General Course, in the Morning Section.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.:
   Nil

8. Details of courses/programmes discontinued (if any) with reasons:
   Nil

9. Number of teaching posts:

<table>
<thead>
<tr>
<th>POSTS</th>
<th>SANCTIONED</th>
<th>FILLED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Associate Professor</td>
<td></td>
<td>01</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td></td>
<td>03</td>
</tr>
</tbody>
</table>
10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D./M.Phil., etc.):

<table>
<thead>
<tr>
<th>NAME</th>
<th>QUALIFICATION</th>
<th>DESIGNATION</th>
<th>SPECIALISATION</th>
<th>NO. OF YEARS EXPERIENCE</th>
<th>NO. OF PhD STUDENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mrs. Arpita Neogi Sengupta</td>
<td>M.A.</td>
<td>Associate Professor</td>
<td>Logic</td>
<td>31 yrs</td>
<td>None</td>
</tr>
<tr>
<td>Mr. Mrinal Kanti Sarkar</td>
<td>M.A. B.Ed Regd. for Ph.D</td>
<td>Assistant Professor</td>
<td>Logic, Applied Ethics</td>
<td>13 years 5 months</td>
<td>None</td>
</tr>
<tr>
<td>Dr. Madhumita Chatterjee</td>
<td>M.A. Ph.D</td>
<td>Assistant Professor</td>
<td>Social and Political Philosophy</td>
<td>9 years 4 months</td>
<td>None</td>
</tr>
<tr>
<td>Mrs. Debashree Dutta</td>
<td>M.A. Regd. for Ph.D</td>
<td>Assistant Professor</td>
<td>Logic</td>
<td>8 years 8 months</td>
<td>None</td>
</tr>
</tbody>
</table>

A) CURRENT FULL TIME FACULTY

B) FULL TIME FACULTY TRANSFERRED (Since October 2010)

C) PART-TIME FACULTY/GUEST FACULTY (Day 2010-till date)

D) PART-TIME FACULTY/GUEST FACULTY (Morning 2010 – till date)

11. List of senior visiting faculty: None

12. Percentage of lectures delivered and practical classes handled (Programme wise) by temporary faculty:

<table>
<thead>
<tr>
<th>Name of temporary faculty with Qualification</th>
<th>Designation</th>
<th>Programme</th>
<th>Academic Session Taught</th>
<th>Total No. of classes in the Departmental Routine (Per week)</th>
<th>Total No. of classes taught by temporary faculty (Per week)</th>
<th>Percentage of lectures delivered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ms. Soma Sinha</td>
<td>Part-time Faculty</td>
<td>B.A. Hons &amp; General</td>
<td>2011-12</td>
<td>73</td>
<td>11</td>
<td>06</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2012-13</td>
<td>69</td>
<td>08</td>
<td>07</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2013-14</td>
<td>76</td>
<td>13</td>
<td>09</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2014-15</td>
<td>79</td>
<td>12</td>
<td>07</td>
</tr>
</tbody>
</table>
13. Student-Teacher Ratio (programme wise):

<table>
<thead>
<tr>
<th>Academic Session</th>
<th>Programme</th>
<th>No. of Students</th>
<th>No. of Teachers (at the beginning of Session)</th>
<th>Student: Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-2011</td>
<td>UG Hons.</td>
<td>96</td>
<td>5</td>
<td>19:1</td>
</tr>
<tr>
<td>2011-2012</td>
<td>UG Hons.</td>
<td>115</td>
<td>5</td>
<td>23:1</td>
</tr>
<tr>
<td>2012-2013</td>
<td>UG Hons.</td>
<td>135</td>
<td>6</td>
<td>22:1</td>
</tr>
<tr>
<td>2013-2014</td>
<td>UG Hons.</td>
<td>154</td>
<td>6</td>
<td>26:1</td>
</tr>
<tr>
<td>2014-2015</td>
<td>UG Hons.</td>
<td>143</td>
<td>6</td>
<td>24:1</td>
</tr>
</tbody>
</table>

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: N.A.

15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:

<table>
<thead>
<tr>
<th>Highest Qualification</th>
<th>No. of Teaching Faculty (Existing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>D.Sc./D.Litt.</td>
<td>0</td>
</tr>
<tr>
<td>Ph.D.</td>
<td>1</td>
</tr>
<tr>
<td>M. Phil.</td>
<td>1</td>
</tr>
<tr>
<td>PG</td>
<td>4</td>
</tr>
</tbody>
</table>

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Name of the Project</th>
<th>Duration Year</th>
<th>Name of the funding Agency</th>
<th>Grant Sanctioned (Rs)</th>
<th>Grant Received (Rs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mrinal Kanti Sarkar</td>
<td>Minor Research Project</td>
<td>2008-2010</td>
<td>UGC</td>
<td>40000/-</td>
<td>40000/-</td>
</tr>
<tr>
<td>Mrinal Kanti Sarkar</td>
<td>Minor Research Project</td>
<td>2014-2016</td>
<td>UGC</td>
<td>250000/-</td>
<td>207000/-</td>
</tr>
</tbody>
</table>

17. Departmental Projects funded by DST-FIST, UGC, DBT, ICSSR, etc.: None

18. Research Centre / facility recognized by the University: None
19. Publications: Total No. of Publications of the Department (2010-15, during the teachers’ tenure at Barasat Government College) = 08

A) Publications details of CURRENT FULL TIME FACULTY:

<table>
<thead>
<tr>
<th>NAME OF FACULTY</th>
<th>No. of papers in Peer reviewed National/International Journal</th>
<th>No. of publications listed in Int. Data base</th>
<th>Monograph</th>
<th>Chapter in Books</th>
<th>Books Edited</th>
<th>Books With ISSN/ISBN No.</th>
<th>Citation Index</th>
<th>SNIP</th>
<th>SJR</th>
<th>Impact Factor</th>
<th>H-Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mrs. Arpita Neogi Sengupta</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>01</td>
<td>01</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Mr. Mrinal Kanti Sarkar</td>
<td>03</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>02</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Dr. Madhumita Chatterjee</td>
<td>01</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Mrs. Debashree Dutta</td>
<td>01</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

B) FULL TIME FACULTY TRANSFERRED/ON-LIEN (Since October 2010)

<table>
<thead>
<tr>
<th>NAME OF FACULTY</th>
<th>No. of papers in Peer reviewed National/International Journal</th>
<th>No. of publications listed in Int. Data base</th>
<th>Monograph</th>
<th>Chapter in Books</th>
<th>Books Edited</th>
<th>Books With ISSN/ISBN No.</th>
<th>Citation Index</th>
<th>SNIP</th>
<th>SJR</th>
<th>Impact Factor</th>
<th>H-Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mrs Sewli Das (Karmakar)</td>
<td>01</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

C) PART-TIME FACULTY/GUEST FACULTY (Day)

<table>
<thead>
<tr>
<th>NAME OF FACULTY</th>
<th>No. of papers in Peer reviewed National/International Journal</th>
<th>No. of publications listed in Int. Data base</th>
<th>Monograph</th>
<th>Chapter in Books</th>
<th>Books Edited</th>
<th>Books With ISSN/ISBN No.</th>
<th>Citation Index</th>
<th>SNIP</th>
<th>SJR</th>
<th>Impact Factor</th>
<th>H-Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ms. Soma Sinha</td>
<td>01</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

N.B. For full list of Publications of the Faculty, see Annexure

20. Areas of consultancy and income generated:

Mr. Mrinal Kanti Sarkar:

- Centre in Charge of Madhyamik Pariksha, Barasat from 2011-13
- External Examiner of School Service Commission
21. Faculty as members in
a) National committees b) International Committees c) Editorial Boards

Mrs. Arpita Neogi Sengupta:
1. Member of the Editorial Board of Philosophy of State Book Board, Govt. of W.B.

Dr. Madhumita Chatterjee:
Life member of the Indian Philosophical Congress’.

22. Student projects:

a) Percentage of students who have done in-house projects including inter-departmental/programme:

1st, 2nd and 3rd year students of 2011 to 2014 presented illuminating papers on various aspects of Philosophy, particularly with regard to Practical and Environmental Ethics in Students Seminar organised by the department.

These seminars help increase the academic interest of the students, encourage them to undertake future research and inculcate in them confidence with regard to their subjects and train them in the art of oratory. Apart from this, students also participated in Class Room quizzes on topics related to their curriculum.

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies: Nil

23. Awards/Recognitions received by faculty and students:

- Bandana Ghosh 1st Class 1st in Philosophy under West Bengal State University, 2011
- Palash Barui 1st Class 1st in Philosophy under West Bengal State University, 2012
- Sandipan Adhikary 1st Class 1st in Philosophy under West Bengal State University, 2013
- Haradhan Paul 1st Class 3rd in Philosophy under West Bengal State University, 2013
- Koushik Ghosh 1st Class 4th in Philosophy under West Bengal State University, 2013
- Sathi Dutta 1st Class 3rd in Philosophy under West Bengal State University, 2014
- Pampa Roy - Badminton Doubles Champion -2014, organized by Inter College State Sports & Game Department, West Bengal.
- Anindita Paul & Pampa Roy - Badminton Doubles Champion -2015, organized by Inter College State Sports & Game Department, West Bengal.
24. List of eminent academicians and scientists/visitors to the department:

- Dr. Tapan Kumar Chakraborty, formerly Prof. of Philosophy, Department of Philosophy, Jadavpur University, an erudite scholar delivered a talk on Samkhya Philosophy on 28th February, 2014.
- Dr. Aparna Banerjee, Prof. of Philosophy, Calcutta University presented an enlightened lecture on ‘Vivekananda: His Thoughts’ on 7th March, 2014.
- Dr. Proyash Sarkar, Associate Professor of Philosophy, Jadavpur University presented Ambedkar Memorial Lecture organized by Department of Information and Culture, North 24 Parganas, Government of West Bengal, in collaboration with Barasat Government College, on 25th July, 2014.
- Dr. Tapan Kumar Chakraborty, formerly Prof. of Philosophy, Department of Philosophy, Jadavpur University, an eminent academician gave a talk on Nyaya Philosophy on 1st Dec. 2014.

25. Seminars/Conferences/Workshops organized & the source of funding

a) National: One (in Collaboration)

<table>
<thead>
<tr>
<th>THEME</th>
<th>LEVEL</th>
<th>FUNDING AGENCY</th>
<th>DATE</th>
<th>COLLABORATOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technologies of Revolution-Society, Economy and Polity,</td>
<td>National</td>
<td>UGC</td>
<td>4th &amp; 5th March, 2010</td>
<td>Department of Philosophy, Bengali, History, Sanskrit and English in collaboration with the Paschimbanga Itihas Samsad</td>
</tr>
<tr>
<td>Women and Literature: Different Faces, Different Voices</td>
<td>UGC</td>
<td>17-18 January, 2012</td>
<td>Joint seminar by Philosophy, History, Sanskrit and English in collaboration with the School of Women’s Studies, Jadavpur University</td>
<td></td>
</tr>
</tbody>
</table>

b) International: Nil
26. Student profile programme/ course wise:

<table>
<thead>
<tr>
<th>Name of the Course/ programme Philosophy Honours</th>
<th>Applications received</th>
<th>Selected</th>
<th>Enrolled *M</th>
<th>*F</th>
<th>No. of Students Appeared in the Final Exam in that year.</th>
<th>Total No. of Students passed</th>
<th>No. of First Classes</th>
<th>Pass percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-2012</td>
<td>675</td>
<td>53</td>
<td>13</td>
<td>40</td>
<td>35</td>
<td>34</td>
<td>12</td>
<td>98%</td>
</tr>
<tr>
<td>2012-2013</td>
<td>523</td>
<td>66</td>
<td>18</td>
<td>48</td>
<td>40</td>
<td>38</td>
<td>08</td>
<td>95%</td>
</tr>
<tr>
<td>2013-2014</td>
<td>287</td>
<td>55</td>
<td>13</td>
<td>42</td>
<td>42</td>
<td>40</td>
<td>04</td>
<td>96%</td>
</tr>
<tr>
<td>2014-2015</td>
<td>284</td>
<td>57</td>
<td>13</td>
<td>44</td>
<td>33</td>
<td>31</td>
<td>02</td>
<td>94%</td>
</tr>
<tr>
<td>2015-16</td>
<td>865</td>
<td>73</td>
<td>20</td>
<td>53</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

*M = Male  *F = Female

27. Diversity of Students

<table>
<thead>
<tr>
<th>Name of the Course</th>
<th>% of students from the same state</th>
<th>% of students from other States</th>
<th>% of students from abroad</th>
</tr>
</thead>
<tbody>
<tr>
<td>B.A. Philosophy (Honours)</td>
<td>100%</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

On the basis of verbal feedback, we have come to know that some students have qualified in different competitive Examinations like NET, SET etc. but unfortunately due to lack of proper evidence complete data cannot be given.

29. Student progression: (2011-2015)

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Against % enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td>80%</td>
</tr>
<tr>
<td>*PG to M. Phil.</td>
<td>#</td>
</tr>
<tr>
<td>* PG to Ph. D.</td>
<td>3%</td>
</tr>
<tr>
<td>* Ph.D. to Post-Doctoral</td>
<td>Nil</td>
</tr>
<tr>
<td>*Employed</td>
<td>Data not Available</td>
</tr>
<tr>
<td>* Campus selection</td>
<td></td>
</tr>
<tr>
<td>* Other than campus recruitment</td>
<td></td>
</tr>
<tr>
<td>*Entrepreneurship/ Self-employment</td>
<td>Data not Available</td>
</tr>
</tbody>
</table>

*As per verbal feedback
30. **Details of Infrastructural facilities**

   **a) Library:**

   The department is enriched by having a Seminar Library. At present, there are 508 books on different topics including the recently published ones and is constantly upgraded. The students enjoy the facility of borrowing books regularly.

   The central library of the college is also well-stocked and constantly upgraded with the latest publications in the subject on the basis of the recommendations of the department. The library has joined the ENLIST programme (conducted by INFLIBNET) since 2014. Various E-journals and E-books on the subject can be availed by this. The college has institutional membership with British Council Library.

   **b) Internet facilities for Staff & Students:**

   The College has Wi-Fi connections available in most sections of the campus. The class rooms and the library have internet connections. Besides, there is one computer with internet connection in the staff room and one in the seminar library.

   **c) Class rooms with ICT facility:** The department has its own laptop which is used by teachers regularly during their teaching sessions. Moreover, the departmental teachers take classes in those rooms where ICT facilities are available whenever necessary.

   **d) Laboratories:** Nil

31. **Number of students receiving financial assistance from college, university, government or other agencies:**

<table>
<thead>
<tr>
<th>Name of the Scholarship/Studentship</th>
<th>Session</th>
<th>No. of Students receiving financial assistance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Total</td>
</tr>
<tr>
<td><strong>College (Full Free)</strong></td>
<td>2011-2012</td>
<td>09</td>
</tr>
<tr>
<td></td>
<td>2012-2013</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>2013-2014</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>2014-2015</td>
<td>13</td>
</tr>
<tr>
<td><strong>College (Half Free)</strong></td>
<td>2011-2012</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>2012-2013</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>2013-2014</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>2014-2015</td>
<td>25</td>
</tr>
</tbody>
</table>

Besides the above stated scholarship, other government and/or private scholarships are availed by the students. However as these are disbursed centrally and not channelized through the academic departments, the records are not maintained by individual departments.
32. **Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts:**

<table>
<thead>
<tr>
<th>Student Enrichment Programme</th>
<th>Held on</th>
<th>Title</th>
<th>Funding Agency</th>
<th>External Expert/Resource Person/ Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special lecture</td>
<td>28.02.2014</td>
<td>Samkhya Philosophy</td>
<td>College</td>
<td>Dr. Tapan Kumar Chakraborty</td>
</tr>
<tr>
<td>Special lecture</td>
<td>07.03.2014</td>
<td>‘Vivekananda: His Thoughts’</td>
<td>College</td>
<td>Dr. Aparna Banerjee</td>
</tr>
<tr>
<td>Special lecture</td>
<td>01.12.2014</td>
<td>Nyaya Philosophy</td>
<td>College</td>
<td>Dr. Tapan Kumar Chakraborty</td>
</tr>
<tr>
<td>Special lecture</td>
<td>25.07.2014</td>
<td>Ambedkar Memorial Lecture</td>
<td>Department of Information and Culture</td>
<td>Dr. Proyash Sarkar</td>
</tr>
<tr>
<td>Students’ Seminar</td>
<td>21.01.2015</td>
<td>Issues on Practical and Environmental Ethics/Salient Features of Indian Philosophy</td>
<td>College</td>
<td>Arpita Neogi Sengupta Mrinal Kanti Sarkar Debashree Dutta Madhumita Chatterjee</td>
</tr>
</tbody>
</table>

- The Department organises a number of lectures by eminent scholars (guest lecturers) from different relevant fields.
- Remedial Classes are taken by the faculty members. Weak and underprivileged students are being specially cared for.
- Faculty members grade class work and homework of the students. This promotes formative assessment and helps students develop in a constructive way.
- The Department takes an initiative to publish wall magazines so that the students can develop their writing skill. It also helps to enhance understanding and develop responsibilities towards larger social and cultural issues prevalent in the recent time.
- Students’ seminars, debates, group discussions are organised regularly. Students participate in these activities in large number.
- Above all, value orientation and personal care are the measures constantly pursued by the faculty members.
- Departmental Notice Board exhibits the names of the students who attain ranks, qualify for scholarship to motivate other students.
33. **Teaching methods adopted to improve student learning:**
   - The main teaching method followed is chalk and talk method. Interactive opportunity is always provided.
   - Varied teaching learning methods such as discussion, class tests, special classes, tutorials and questioning techniques are also incorporated.
   - Audio-visual supports are used in teaching whenever necessary. The conventional lecture method of teaching-learning has its limitations. The use of OHP/LCD/DLP projectors in classroom teaching has been appreciated by the students. Student’s response towards power point presentations encouraged the teachers to prepare various lectures in that manner. Moreover, the existing internet facility is fully used by all for various study materials.

34. **Participation in Institutional Social Responsibility (ISR) and Extension Activities:**
1. Mrinal Kanti Sarkar, one of the faculty members is Programme Officer of NSS. He was in charge of the college unit of NSS from 2010 to 2014. Students of our department actively participate in NSS programme in large number.
2. Students under the supervision of NSS are made aware of the surroundings of the college. They submit a project report on their findings in respect of various environmental issues, hazards and restoration of ecology.
3. Students join in awareness programmes organised by NSS unit of the college on health hazards such as AIDS and cancer, Thalassemia.
4. They actively participate in the seminars on value education and ideal of life organised by the department in association with external organisations.
5. Some of the faculty members are also involved in various extension activities. For example, Mrinal Kanti Sarkar is a member of several social organizations, working for the welfare, education and rehabilitation of the Child labour. He has been working for **SUCHETANA** – A welfare Organization.

   Arpita Neogi Sengupta accompanied visiting teams for surveying the conditions of children’s Home under the guidance of West Bengal Commission for Protection of Child-rights.
35. **SWOC analysis of the department and Future plan:**

<table>
<thead>
<tr>
<th>Strengths</th>
<th>Weaknesses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) A group of experienced motivated faculty members. They are competent to teach fundamental aspects of the subject which are enhanced by research, practice and analysis of care and distinct areas of specialisation. They demonstrate their expertise and commitment in each and every aspect.</td>
<td>1) The students, especially girl students, have to commute from distant areas. Girl students of scheduled caste and scheduled tribe of the College are given seats in Sarama Singh Central Hostel for Girls’ at Barasat, run by the Backward Classes Welfare Department, Govt. of West Bengal. But, it is not adequate; some students find it difficult to attend late hour classes.</td>
</tr>
<tr>
<td>2) Students have keen interest in the subject. It is reflected in the University results. The Department has recorded consistently excellent academic results. Many students have topped University merit list.</td>
<td>2) As nearly all of the students are with Bengali as their mother tongue, with due diligence they are able to grasp English, though some advanced students are able to pick up the language easily. As a result some of them find it difficult to consult reference books in English.</td>
</tr>
<tr>
<td>3) The research interests of the Faculty are also greatly supported and they are encouraged to participate in different faculty Development programmes, seminars, workshops and undertake research projects.</td>
<td></td>
</tr>
<tr>
<td>4) The teachers create an ambience of cordial relationship with the students so that they feel free to approach the teachers with their academic and personal problems. Poorly performing students and the students showing poor attendance are counselled. The teachers also interact with the guardians of the students regularly. Slow and advanced learners are identified and special care is taken to cater to their different needs through special tutorial or remedial classes</td>
<td></td>
</tr>
<tr>
<td>5) The students are encouraged to participate in extra-curricular activities. They regularly take part in Annual sports and some of them also represent the college in District level and State-level</td>
<td></td>
</tr>
<tr>
<td>6) Many first generation learners and students from rural areas usually take admission in this Department. As per the trend of liberal arts subjects, the gender ratio of students is tilted in favour of girl students.</td>
<td></td>
</tr>
<tr>
<td>Opportunities</td>
<td>Challenges</td>
</tr>
<tr>
<td>------------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>1. Good infrastructural facilities provide opportunities to pursue intellectual activities.</td>
<td>To pursue quality teaching by creating meaning and relevance in teaching learning situation with limited resources.</td>
</tr>
<tr>
<td>2. Availability of modern and well equipped e-class facilities foster a congenial atmosphere for academic pursuit of the students.</td>
<td>To maintain an ambience fully comfortable and secured for all the students.</td>
</tr>
<tr>
<td>3. A co-operative and interactive relation between teacher and student facilitate the academic interest of the Institution.</td>
<td>To provide more special support to the students of minority and underprivileged group.</td>
</tr>
<tr>
<td></td>
<td>To encourage the students of the financially backward classes to continue their studies under social constraints.</td>
</tr>
</tbody>
</table>

**Plan of action of the department.**

1. The department plans to utilize audio-visual support and hold interactive sessions on a regular basis in the coming sessions.
2. The department intends to extend and upgrade the existing seminar library by including very recently published books on different topics.
3. The department through organizing seminars tries to encourage the students to develop interest for pursuing their research activities in future.
4. The department also intends to help students plying from remote areas actively within and outside the class-room.
5. The department in assistance with the placement cell of the college intends to extend facilities of placement.
6. The department plans to organize more special lectures by erudite scholars and inter-disciplinary seminars.
12. DEPARTMENT OF SANSKRIT

1. Name of the department: SANSKRIT

2. Year of Establishment: 1950

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters, Integrated Ph.D., etc.):

UG (B.A. SANSKRIT Honours and SANSKRIT General)

4. Names of Interdisciplinary courses and the departments/ units involved:

None

5. Annual/ semester/ choice based credit system (programme wise):

B.A. SANSKRIT Honours: Annual Examinations (Part I, Part II and Part III)

6. Participation of the department in the courses offered by other departments:

SANSKRIT is offered as a General Subject for the following Honours subjects - Bengali, History, Political Science and Philosophy.

It is also offered as a subject in the B.A. General Course, in the Morning Section.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.:

Nil

8. Details of courses/ programmes discontinued (if any) with reasons:

Nil

9. Number of teaching posts:

<table>
<thead>
<tr>
<th>POSTS</th>
<th>SANCTIONED</th>
<th>FILLED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>03</td>
<td>0</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>02</td>
<td></td>
</tr>
</tbody>
</table>
10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./Ph.D./M.Phil., etc.):

<table>
<thead>
<tr>
<th>NAME</th>
<th>QUALIFICATION</th>
<th>DESIGNATION</th>
<th>SPECIALISATION</th>
<th>NO. of YEARS EXPERIENCE</th>
<th>NO. OF PhD STUDENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A) CURRENT FULL TIME FACULTY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tamonash Chakraborty</td>
<td>M.A</td>
<td>Assistant Professor</td>
<td>Nyaya,(Indian Philosophy) vyakaranatirtha.</td>
<td>5 years 10 months</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>Regd. for Ph.D.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Poulomi Saha</td>
<td>M.A.</td>
<td>Assistant Professor</td>
<td>Kavya (poetics and Literature)</td>
<td>10 months</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>Regd. for Ph.D.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B) FULL TIME FACULTY TRANSFERRED (Since October 2010)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr Antara Banerjee</td>
<td>Ph. D</td>
<td>Assistant Professor</td>
<td>Nyaya (Indian Philosophy)</td>
<td>5 years</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C) PART-TIME FACULTY/GUEST FACULTY (Day)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr Bipad Bhanjan Paul</td>
<td>Ph. D</td>
<td>Retd. Associate Professor</td>
<td>Vedanta</td>
<td>Post-Retirement Service in Barasat 7 years</td>
<td>None</td>
</tr>
<tr>
<td>Dr. Kalipada Giri</td>
<td>Ph. D</td>
<td>Retd. Associate Professor</td>
<td>Kavya</td>
<td>Post-Retirement Service in Barasat 10 Years</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D) PART-TIME FACULTY/GUEST FACULTY (Morning)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gouranga Aich</td>
<td>M.A. Submitted Ph.D</td>
<td>Part-time Faculty</td>
<td>Indian Philosophy</td>
<td>10 year</td>
<td>None</td>
</tr>
<tr>
<td>Dr Debashree Sadhu</td>
<td>Ph.D</td>
<td>Part-time Faculty</td>
<td>Indian Philosophy</td>
<td>7 years</td>
<td>None</td>
</tr>
</tbody>
</table>

11. List of senior visiting faculty: None
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Data as per week given below—Day Section

<table>
<thead>
<tr>
<th>Name</th>
<th>Designation</th>
<th>Programme</th>
<th>Academic Session Taught</th>
<th>Total No. of classes in the Departmental Routine</th>
<th>Total No. of classes taught by temporary faculty</th>
<th>Percentage of lectures delivered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kalipada Giri</td>
<td>Part-time faculty</td>
<td>B.A.</td>
<td>2011-12</td>
<td>75 09</td>
<td>09 -</td>
<td>12% -</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2012-13</td>
<td>74 04</td>
<td>09 -</td>
<td>12% -</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2013-14</td>
<td>97 11</td>
<td>09 -</td>
<td>9% -</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2014-15</td>
<td>85 08</td>
<td>09 -</td>
<td>11% -</td>
</tr>
<tr>
<td>Bipadbhanjan Paul</td>
<td>Part-time Faculty</td>
<td>B.A.</td>
<td>2011-12</td>
<td>75 09</td>
<td>08 -</td>
<td>11% -</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2012-13</td>
<td>74 04</td>
<td>08 -</td>
<td>11% -</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2013-14</td>
<td>97 11</td>
<td>08 -</td>
<td>8% -</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2014-15</td>
<td>85 08</td>
<td>08 -</td>
<td>9% -</td>
</tr>
</tbody>
</table>

Morning section: This section is particularly for the B.A General course. The classes are taken by the part-time faculty.

13. Student-Teacher Ratio (programme wise):

<table>
<thead>
<tr>
<th>Academic Session</th>
<th>Programme</th>
<th>No. of Students</th>
<th>No. of Teachers (at the beginning of Session)</th>
<th>Student: Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-2011</td>
<td>UG Hons.</td>
<td>77</td>
<td>4</td>
<td>18 : 1</td>
</tr>
<tr>
<td>2011-2012</td>
<td>UG Hons.</td>
<td>89</td>
<td>4</td>
<td>22 : 1</td>
</tr>
<tr>
<td>2012-2013</td>
<td>UG Hons.</td>
<td>104</td>
<td>5</td>
<td>21 : 1</td>
</tr>
<tr>
<td>2013-2014</td>
<td>UG Hons.</td>
<td>114</td>
<td>5</td>
<td>23 : 1</td>
</tr>
<tr>
<td>2014-2015</td>
<td>UG Hons.</td>
<td>119</td>
<td>5</td>
<td>24 : 1</td>
</tr>
</tbody>
</table>

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

<table>
<thead>
<tr>
<th>Post</th>
<th>Sanctioned</th>
<th>Filled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic support staff (technical)</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Administrative staff</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:

<table>
<thead>
<tr>
<th>Highest Qualification</th>
<th>No. of Teaching Faculty(Existing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>D.Sc./D.Litt.</td>
<td>0</td>
</tr>
<tr>
<td>Ph.D.</td>
<td>0</td>
</tr>
<tr>
<td>PG</td>
<td>2</td>
</tr>
</tbody>
</table>

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:
Dr. Antara Banerjee has a Minor Research project named “Sakaler Purana” from 2014 to till date funded by UGC.

17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, etc. and total grants received: None

18. Research Centre / facility recognized by the University: None

19. Publications:
Total No. of Publications of the Department (2010-15, during the teachers’ tenure at Barasat Government College) = 16

Publications details of Faculty:

A) CURRENT FULL TIME FACULTY

<table>
<thead>
<tr>
<th>NAME OF FACULTY</th>
<th>No. of papers in Peer reviewed National /International Journal</th>
<th>No. of publications listed in Int. Data base</th>
<th>Monograph</th>
<th>Chapter in Books</th>
<th>Books Edited</th>
<th>Books With ISSN/ISBN No.</th>
<th>Citation Index</th>
<th>SNIP</th>
<th>SIR</th>
<th>Impact Factor</th>
<th>H-Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tamonash Chakraborty</td>
<td>02</td>
<td>01</td>
<td>81-8282-189-4, 978-81-928589-0-6.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Poulomi Saha</td>
<td>02</td>
<td>04</td>
<td>2249-2666, 2277-5455</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

B) FULL TIME FACULTY TRANSFERRED/ON-LIEN (Since October 2010)

| Dr. Antara Banerjee | 07 | | | | | | | | | | | |
20. **Areas of consultancy and income generated:**

Tamonash Chakraborty gave NET/SET consultancy at Asutosh College Training Centre (ACTC) in the year 2011 – 2013.

21. **Faculty as members in**

a) National committees b) International Committees c) Editorial Boards:

Nil

22. **Student projects:** Nil

b) **Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies:** Nil

23. **Awards/Recognitions received by faculty and students:**

**Faculty:**

Debashree Sadhu, part-time faculty of morning section was awarded Ph.D. on March 2015.

**Student:**

Abhijit Seth: Participated in West Bengal inter Govt. College sports meet and awarded as champion in Badminton Competition (2012-13)

Abhijit Saha stood 4th and Bisakha Das stood 8th in the final exam conducted by WBSU (2014)

Payel Banik stood 1st in the final exam conducted by WBSU (2012)

24. **List of eminent academicians and scientists/visitors to the department:**

1. Dr. Kakoli Ghosh, Assistant Professor, Department of Sanskrit, Jadavpur University, delivered a lecture on ‘The Philosophy of Vivekananda.’

2. Dr. Kakoli Ghosh, Assistant Professor, Department of Sanskrit, Jadavpur University, delivered a lecture on ‘KARMAVADA’

3. Dr. Monidipa Das, Assistant Professor of Sanskrit, Department of Sanskrit Rabindra Bharati University delivered a lecture on the ‘Development of The Theories of poetics.’
25. Seminars/Conferences/Workshops organized & the source of funding

a) National: One (Collaborated)

<table>
<thead>
<tr>
<th>THEME</th>
<th>LEVEL</th>
<th>FUNDING AGENCY</th>
<th>DATE</th>
<th>COLLABORATOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Women and Literature: Different Faces, Different Voices</td>
<td>National</td>
<td>UGC</td>
<td>17-18 January 2012</td>
<td>Joint seminar by English, History, Sanskrit and Philosophy in collaboration with the School of Women’s Studies, Jadavpur University</td>
</tr>
</tbody>
</table>

b) International: Nil

26. Student profile programme/course wise:

<table>
<thead>
<tr>
<th>Name of the Course/programme</th>
<th>Applications received</th>
<th>Selected</th>
<th>Enrolled</th>
<th>*M</th>
<th>*F</th>
<th>Students Appeared</th>
<th>Students Passed Out with Honours</th>
<th>Pass Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sanskrit Honours</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2012-2013</td>
<td>402</td>
<td>35</td>
<td>09</td>
<td>26</td>
<td>28</td>
<td>27</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>2013-2014</td>
<td>398</td>
<td>40</td>
<td>09</td>
<td>31</td>
<td>35</td>
<td>31</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>2014-2015</td>
<td>330</td>
<td>44</td>
<td>13</td>
<td>31</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>2015-2016</td>
<td>936</td>
<td>47</td>
<td>15</td>
<td>32</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

*M = Male  *F = Female

27. Diversity of Students

<table>
<thead>
<tr>
<th>Name of the Course</th>
<th>% of students from the same state</th>
<th>% of students from other States</th>
<th>% of students From abroad</th>
</tr>
</thead>
<tbody>
<tr>
<td>B.A. Sanskrit (Honours)</td>
<td>100</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.

<table>
<thead>
<tr>
<th>Name of the Competitive Examination</th>
<th>No. of students passed (in last five years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NET</td>
<td>1</td>
</tr>
</tbody>
</table>
29. **Student progression**: (2011-2015)

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Against % enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td>75% (as per verbal feed-back)</td>
</tr>
<tr>
<td>PG to M. Phil.</td>
<td>Data not available</td>
</tr>
<tr>
<td>PG to Ph. D.</td>
<td>Data not available</td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td>Data not available</td>
</tr>
<tr>
<td>Employed</td>
<td>Data not available</td>
</tr>
<tr>
<td>• Campus selection</td>
<td></td>
</tr>
<tr>
<td>• Other than campus recruitment</td>
<td></td>
</tr>
</tbody>
</table>

30. **Details of Infrastructural facilities**

**a) Library:**

The department has a well-stocked Seminar Library. At present, there are more than 100 Books available. The students are allowed to borrow books for a fortnight.

**b) Internet facilities for Staff & Students:**

The department has own lap-top for providing e-books and journals. The wi-fi facility provided by library, students can stay connected with internet.

**c) Class rooms with ICT facility:** sometimes we deliver lectures through power-point-presentation.

**d) Laboratories:** nil

31. **Number of students receiving financial assistance from college, university, government or other agencies:**

<table>
<thead>
<tr>
<th>Name of the Scholarship/Studentship</th>
<th>Session</th>
<th>No. of Students receiving financial assistance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rastriya Sanskrit Sansthan</td>
<td>2010-2011</td>
<td>Total: 2 Male: 1 Female: 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Full Free</td>
<td>2011-2012</td>
<td>Total: 10 Male: 03 Female: 07</td>
</tr>
<tr>
<td></td>
<td>2012-2013</td>
<td>Total: 06 Male: 05 Female: 01</td>
</tr>
<tr>
<td></td>
<td>2013-2014</td>
<td>Total: 04 Male: 01 Female: 03</td>
</tr>
<tr>
<td></td>
<td>2014-2015</td>
<td>Total: 13 Male: 03 Female: 10</td>
</tr>
<tr>
<td>Half Free</td>
<td>2011-2012</td>
<td>Total: 11 Male: 08 Female: 03</td>
</tr>
<tr>
<td></td>
<td>2012-2013</td>
<td>Total: 09 Male: 01 Female: 08</td>
</tr>
<tr>
<td></td>
<td>2013-2014</td>
<td>Total: 09 Male: 02 Female: 07</td>
</tr>
</tbody>
</table>

Besides the above stated scholarship, other government and/or private scholarships are availed by the students. However as these are disbursed centrally, the records are not maintained by individual departments.
32. Details of student enrichment programmes (special lectures/ workshops/ seminar) with external experts:

<table>
<thead>
<tr>
<th>Student Enrichment Programme</th>
<th>Held on</th>
<th>Title</th>
<th>External Expert/ Resource Person/ Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seminar lecture</td>
<td>07/03/2014</td>
<td>The philosophy of Vivekananda.</td>
<td>Dr. Kakoli Ghosh</td>
</tr>
<tr>
<td>Seminar lecture</td>
<td>18/12/2014</td>
<td>Development of theory of Kavya.</td>
<td>Dr. Monidipa Das</td>
</tr>
<tr>
<td>Special lecture</td>
<td>August 2014</td>
<td>Karmavada</td>
<td>Dr. Kakoli Ghosh</td>
</tr>
</tbody>
</table>

33. Teaching methods adopted to improve student learning:

We speak Sanskrit instead of mother tongue in the class room and insist the students to speak Sanskrit to enrich their academic acumen in the subject. Regular class test and special classes also taken for improvement of the skill of the students. Remedial classes taken for the slow learners.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Students take part in NSS programme organized by the college unit. We also give privilege to the minority and female students by providing books and special classes.

35. SWOC analysis of the department and Future plans:

<table>
<thead>
<tr>
<th>Strengths</th>
<th>Weaknesses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meritorious students come to learn here from the interior part of this district.</td>
<td>The department does not have any dedicated class room as yet</td>
</tr>
<tr>
<td>We have a rich library with collection of rare and valuable books. We have made a book bank by specimen copies to help to economically backward students.</td>
<td>Transfer of teachers sometimes hampers the teaching learning process.</td>
</tr>
<tr>
<td>Many of our students got job in schools and colleges as a part- time or full- time teachers.</td>
<td>Due to absence of hostel facility the students who come from the remote area of the district, face difficulty.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Opportunity</th>
<th>Challenges</th>
</tr>
</thead>
<tbody>
<tr>
<td>Our students can take part in museology, manuscriptology, archaeology and also in comparative literature in future.</td>
<td>Our challenges to motivate our student in to the subject and want to give a holistic idea about the vastness of the subject apart from prescribe syllabus.</td>
</tr>
</tbody>
</table>
Future plan---

1. We want to collect the manuscripts from the different parts of this district and build up a manuscript library with collaboration of National Mission For Manuscript (N.M.M.)

2. It is our aim to organize a seminar on modern Sanskrit literature along with the performance of a drama.

3. We want to arrange some interdisciplinary classes with the collaboration of the department of philosophy, Bengali, history to enrich our student’s skill.
13. DEPARTMENT OF ZOOLOGY

1. Name of the department: Zoology

2. Year of Establishment: 1996

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters, Integrated Ph.D., etc.):
   UG [Hons since 1996]
   PG [since 2009]

4. Names of Interdisciplinary courses and the departments/ units involved: NA

5. Annual/ semester/ choice based credit system (programme wise):
   B.Sc [Honours]: Annual Examinations [Part I, Part II and Part III]
   M.Sc : Semester system [Sem I, Sem II, Sem III & Sem IV]

6. Participation of the department in the courses offered by other departments: NA.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: NA

8. Details of courses/ programmes discontinued (if any) with reasons: NA

9. Number of teaching posts:

<table>
<thead>
<tr>
<th>POSTS</th>
<th>SANCTIONED</th>
<th>FILLED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professor</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td></td>
<td>5</td>
</tr>
</tbody>
</table>

1 The Post has been temporarily shifted to the Department of Bengali.
10. Faculty profile with name, qualification, designation, specialization (D.Sc/ D.Litt./ Ph.D./ M.Phil. etc.):

<table>
<thead>
<tr>
<th>NAME</th>
<th>QUALIFICATION</th>
<th>DESIGNATION</th>
<th>SPECIALISATION</th>
<th>NO. OF YEARS EXPERIENCE</th>
<th>NO. OF PhD STUDENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A) CURRENT FULL TIME FACULTY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Madhumita Manna</td>
<td>M.Phil, Ph.D</td>
<td>Associate Prof.</td>
<td>Molecular Biology, Parasitology, Immunology, Env Science</td>
<td>16 yrs</td>
<td>1 [awarded] + 1 [thesis submitted] + 2 [registered] 3 M.Phil awarded</td>
</tr>
<tr>
<td>Dr. Debajyoti Chakraborty</td>
<td>Ph.D</td>
<td>Associate Prof.</td>
<td>Fisheries</td>
<td>25 yrs</td>
<td>2 Ph.D [awarded] 1 M.Phil awarded</td>
</tr>
<tr>
<td>Dr. Tuhin Kumar Saha</td>
<td>Ph.D</td>
<td>Associate Prof.</td>
<td>Animal Physiology, Biochemistry</td>
<td>14 yrs</td>
<td>Nil</td>
</tr>
<tr>
<td>Dr. Tanaya De</td>
<td>Ph.D</td>
<td>Assistant Prof.</td>
<td>Endocrinology and Reproductive Biology, Cell Biology</td>
<td>9 years</td>
<td>Nil</td>
</tr>
<tr>
<td>Dr. Sanjay Poddar</td>
<td>Ph.D</td>
<td>Assistant Prof.</td>
<td>Hematology, Immunology</td>
<td>9 years</td>
<td>1 registered</td>
</tr>
<tr>
<td>Dr. Debjani Sarkar</td>
<td>Ph.D</td>
<td>Assistant Prof.</td>
<td>Hematology</td>
<td>6 years</td>
<td>Nil</td>
</tr>
<tr>
<td>Dr. Srikanta Guria</td>
<td>Ph.D</td>
<td>Assistant Prof.</td>
<td>Parasitology, Immunobiology, Molecular Endocrinology</td>
<td>6 years</td>
<td>Nil</td>
</tr>
<tr>
<td>Mr. Somaditya Dey</td>
<td>M.Sc</td>
<td>Assistant Prof.</td>
<td>Parasitology, Immunology</td>
<td>½ yr</td>
<td>NA</td>
</tr>
<tr>
<td>B) FULL TIME FACULTY TRANSFERRED (Since October 2010)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prof. Nimai Chandra Saha</td>
<td>Ph.D</td>
<td>Professor</td>
<td>Fisheries &amp; Ecology</td>
<td>30 yrs</td>
<td>3</td>
</tr>
<tr>
<td>Dr. Santanu Chakraborty</td>
<td>Ph.D</td>
<td>Associate Prof.</td>
<td>Ecology, Immunology</td>
<td>16 yrs</td>
<td>Nil</td>
</tr>
<tr>
<td>Dr. Sourav Chakraborty</td>
<td>Ph.D</td>
<td>Assistant Prof.</td>
<td>Cytogenetics</td>
<td>14 yrs</td>
<td>Nil</td>
</tr>
<tr>
<td>Dr. Amlan Ghosh</td>
<td>Ph.D</td>
<td>Assistant Prof.</td>
<td>Cancer Biology &amp; Molecular Biology</td>
<td>6 yrs (On lien)</td>
<td>1 registered</td>
</tr>
</tbody>
</table>
### C) PART-TIME FACULTY/GUEST FACULTY (Day 2010-2014)

<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
<th>Qualification</th>
<th>Status/Title</th>
<th>Department</th>
<th>Years</th>
<th>Experience</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dr. Piyush K Saha</td>
<td>Ph.D</td>
<td>Retired, Part Time Faculty</td>
<td>Endocrinology &amp; Entomology</td>
<td>38 yrs</td>
<td>Nil</td>
</tr>
<tr>
<td>2.</td>
<td>Ms. Indrani Banerjee</td>
<td>M.Sc</td>
<td>Part Time Faculty</td>
<td>Endocrinology</td>
<td>5 yrs</td>
<td>NA</td>
</tr>
<tr>
<td>3.</td>
<td>Dr. Rupendu Roy</td>
<td>Ph.D</td>
<td>Guest Teacher Faculty [Retired, Ex HOD, Dept. of Zoology, Barasat Govt. College]</td>
<td>Parasitology</td>
<td>34 yrs</td>
<td>2</td>
</tr>
<tr>
<td>4.</td>
<td>Dr. Debaprasad Chakraborty</td>
<td>Ph.D</td>
<td>Guest Teacher Faculty [Retired, Ex HOD, Dept. of Zoology, erstwhile Presidency College]</td>
<td>Developmental Biology</td>
<td>46 yrs</td>
<td>Nil</td>
</tr>
<tr>
<td>5.</td>
<td>Dr. Madhusudhan Ghosal</td>
<td>Ph.D</td>
<td>Guest Teacher Faculty [Retired Ex Vice Principal, Surendra Nath College, Kolkata]</td>
<td>Biochemistry, Animal Physiology</td>
<td>57 yrs</td>
<td>Nil</td>
</tr>
<tr>
<td>6.</td>
<td>Dr. S.K.Gupta (Guest faculty)</td>
<td>Ph.D</td>
<td>Guest Teacher [Retired Scientist and Ex Jt. Director, Zoological Survey of India]</td>
<td>Acarology</td>
<td>30 yrs</td>
<td>10 Ph.D. 1 M.Phil.</td>
</tr>
<tr>
<td>7.</td>
<td>Dr. S Dattagupta (Guest faculty)</td>
<td>Ph.D</td>
<td>Guest Teacher [Retired Scientist, Indian Institute of Chemical Biology, Kolkata]</td>
<td>Biochemistry, Molecular Biology, Immunology</td>
<td>20 yrs</td>
<td>7</td>
</tr>
</tbody>
</table>

11. **List of senior visiting faculty:**

   a) Prof. S.K.Mukherjee, Ex Principal, Hooghly Mohasin College, Hooghly

   b) Dr. N.K. Jana, Associate Prof. & Head, Dept. of Zoology, Charuchandra College, Kolkata
12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:**

<table>
<thead>
<tr>
<th>Name of temporary faculty with Qualification</th>
<th>Designation</th>
<th>Programme</th>
<th>Academic Session Taught</th>
<th>Total No. of classes in the Departmental Routine</th>
<th>Total No. of classes taught by temporary faculty</th>
<th>Percentage of Lectures delivered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. P. K. Saha</td>
<td>Part-time Faculty</td>
<td>B.Sc. Hons &amp; General</td>
<td>2011-12</td>
<td>Hons.</td>
<td>Gen.</td>
<td>Hons.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2012-13</td>
<td>Hons.</td>
<td>Gen.</td>
<td>Hons.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2013-14</td>
<td>Hons.</td>
<td>Gen.</td>
<td>Hons.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2014-15</td>
<td>Hons.</td>
<td>Gen.</td>
<td>Hons.</td>
</tr>
</tbody>
</table>

|                                             |             |           | 2012-13 | Hons. | Gen. | Hons. | Gen. | 69 17 10 9 | 22% |
|                                             |             |           | 2013-14 | Hons. | Gen. | Hons. | Gen. | 69 17 10 6 | 18.6% |

13. **Student-Teacher Ratio (programme wise):**

<table>
<thead>
<tr>
<th>Academic Session</th>
<th>Programme</th>
<th>No. of Students</th>
<th>No. of Teachers (at the beginning of Session)</th>
<th>Student: Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-2011</td>
<td>UG Hons.</td>
<td>81</td>
<td>11</td>
<td>7:1</td>
</tr>
<tr>
<td>2011-2012</td>
<td>UG Hons.</td>
<td>91</td>
<td>10</td>
<td>9:1</td>
</tr>
<tr>
<td>2012-2013</td>
<td>UG Hons.</td>
<td>101</td>
<td>10</td>
<td>10:1</td>
</tr>
<tr>
<td>2013-2014</td>
<td>UG Hons.</td>
<td>114</td>
<td>11</td>
<td>10:1</td>
</tr>
<tr>
<td>2014-2015</td>
<td>UG Hons.</td>
<td>122</td>
<td>12</td>
<td>10:1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Academic Session</th>
<th>Programme</th>
<th>No. of Students</th>
<th>No. of Teachers (at the beginning of Session)</th>
<th>Student: Teacher Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-2011</td>
<td>M.Sc</td>
<td>43</td>
<td>13</td>
<td>3:1</td>
</tr>
<tr>
<td>2011-2012</td>
<td>M.Sc</td>
<td>43</td>
<td>12</td>
<td>4:1</td>
</tr>
<tr>
<td>2012-2013</td>
<td>M.Sc</td>
<td>45</td>
<td>12</td>
<td>4:1</td>
</tr>
<tr>
<td>2013-2014</td>
<td>M.Sc</td>
<td>46</td>
<td>13</td>
<td>4:1</td>
</tr>
<tr>
<td>2014-2015</td>
<td>M.Sc</td>
<td>49</td>
<td>17</td>
<td>3:1</td>
</tr>
</tbody>
</table>
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

<table>
<thead>
<tr>
<th>Post</th>
<th>Sanctioned</th>
<th>Filled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group C staff</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Group D staff</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Casual</td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:

<table>
<thead>
<tr>
<th>Highest Qualification</th>
<th>No. of Teaching Faculty(Existing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>D.Sc./D.Litt.</td>
<td>1 [Guest teacher]</td>
</tr>
<tr>
<td>Ph.D.</td>
<td>14 [7, Full time + 1, Part Time + 4, Guest Teachers, 2 visiting teachers]</td>
</tr>
<tr>
<td>M. Phil.</td>
<td>0</td>
</tr>
<tr>
<td>PG</td>
<td>2 [1 full time + 1 Part Time]</td>
</tr>
</tbody>
</table>

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: One – a) National funding agencies-DBT, UGC-DAE, CSIR, Grant received Rs. 63.689 L

<table>
<thead>
<tr>
<th>Name of the faculty</th>
<th>Title of the Project</th>
<th>Funding Agency</th>
<th>Duration of the Project</th>
<th>Grant Sanctioned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Madhumita Manna</td>
<td>Direct diagnosis and characterization of the causal agents of Kala-azar from North East and Eastern region of India by molecular methods. In Collaboration with 1. Gauhati Medical College, Assam 2. National Medical College, Kolkata</td>
<td>Department of Biotechnology (DBT), Govt. of India [DBT TWINNING PROGRAMME FOR NE]</td>
<td>January 16, 2013 - 2016</td>
<td>Rs. 99.98 Lakhs (L)</td>
</tr>
<tr>
<td></td>
<td>An Approach to develop an immunotherapeutic and prophylactic agent by attenuated leishmania parasite’</td>
<td>CSIR</td>
<td>2011 - till date</td>
<td>Rs. 9.02 L</td>
</tr>
<tr>
<td></td>
<td>Application of modern taxonomical methods for characterization of drug sensitive and drug unresponsive isolates of Kala-azar in India</td>
<td>CSIR</td>
<td>2013 - till date</td>
<td>Rs. 6.01 L</td>
</tr>
<tr>
<td></td>
<td>Influences of trace elements in the immune functions in visceral leishmaniasis and post kala-azar dermal leishmaniasis of India (Recently Completed)</td>
<td>UGC-DAE Consortium for Scientific Research, Kolkata Centre</td>
<td>2009-2014</td>
<td>8.5 L [approx]</td>
</tr>
</tbody>
</table>
17. **Departmental projects funded by DST-FIST, UGC, DBT, ICSSR, DAE, State DST etc. and total grants received:**

- **DST-FIST:** Rs. 11,81,856 L [Dept.]
- **DBT:** Rs. 28.28 L [Dr. M. Manna]
- **UGC DAE:** Rs. 8,500 L (approx) [Dr. M. Manna]
- **State DST:** Rs. 6,328 L [Dr. Poddar]
- **CSIR SRF (Two):** Rs. 18.051 L [under guidance of Dr. M. Manna]

Total Grants received: Rs. 63,689 L + Rs. 11,81,856 L = Rs. 75,50,756/

18. **Research Centre / facility recognized by the University:** NA

19. **Publications:**
Total No. of Publications of the Department (2010-15, during the teachers’ tenure at Barasat Government College) = **89**

Publications details of Faculty:

<table>
<thead>
<tr>
<th>NAME OF FACULTY</th>
<th>No. of papers in Peer reviewed National/International Journal</th>
<th>No. of publications listed in Int. Data base</th>
<th>Monograph</th>
<th>Chapter in Books</th>
<th>Books Edited</th>
<th>Books With ISSN/ISBN No.</th>
<th>Citation Index</th>
<th>SNIP</th>
<th>SJR</th>
<th>Impact Factor</th>
<th>H-Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Madhumita Manna</td>
<td>Nat:08</td>
<td>Google Scholar 8 PubMed (NCBI) 6 PubFact 6 Thompson Reuters 6 Research Gate 6 Scopus 2</td>
<td>NA</td>
<td>4</td>
<td>NA</td>
<td>1</td>
<td>48</td>
<td>0.681</td>
<td>7</td>
<td>13.653</td>
<td>5</td>
</tr>
<tr>
<td>Dr. Debajyoti Chakraborty</td>
<td>Nat 02</td>
<td>Google Scholar 1 Thompson Scientific 1 Original Research database 1</td>
<td>3</td>
<td>Nil</td>
<td>3</td>
<td>10</td>
<td>nil</td>
<td>1</td>
<td>2.742</td>
<td>Nil</td>
<td></td>
</tr>
<tr>
<td>Dr. Sanjoy Podder</td>
<td>Nat: 03</td>
<td>Scopus 4 Pubmed 1 Thompson Reuters 1 Web of Science 1</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>17</td>
<td>2.319</td>
<td>0.809</td>
<td>0.614</td>
<td></td>
</tr>
<tr>
<td>Dr. Tanaya De</td>
<td>Nat :01</td>
<td>Google Scholar 1 Index Copernicus 8.25</td>
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<td>Dr. Debjani Sarkar</td>
<td>Nat :01</td>
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### Dr. Srikanta Guria
- Nat: 8
- Int: 17
- Evaluative Index: 2
- Article Citation: 9
- CHAP / ART: 3 / 9
- Total: 5.6

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### Somaditya Dey
- Nat: 01
- Int: 05
- Evaluative Index: 18
- Article Citation: 5.04
- CHAP / ART: 18 / 5.04
- Total: 13.91

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### Dr. Amlan Ghosh
- Int: 06
- Evaluative Index: 44
- Article Citation: 18.4
- CHAP / ART: 44 / 18.4
- Total: 13.91

### Dr. Santanu Chakrabarti
- Nat: 01
- Evaluative Index: 1
- Article Citation: 1

### Dr. Saurabh Chakraborti
- Nat: 01
- Evaluative Index: 1
- Article Citation: 1

### Prof. Nimai Chandra Saha
- Nat: 01
- Int: 07
- Evaluative Index: 1
- Article Citation: 1

### C) PART-TIME FACULTY/GUEST FACULTY
- Dr. Debaprasad Chakrabarti: Nil
- Dr. Pijush Kanti Saha: Nil
- Dr. Rupendu Roy: Nat: 01
- Dr. Salil Kumar Gupta: Nat: 02

#### 20. Areas of consultancy and income generated: NA
21. Faculty as members in
   a) National committees b) International Committees c) Editorial Boards….

<table>
<thead>
<tr>
<th>NAME OF FACULTY</th>
<th>National committees/International Committees /Editorial Boards….</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Madhumita Manna</td>
<td>Member, International Society for Vaccines, USA, leishmaniosis Research Society, India, Life member, The Zoological Society of India, Life member, Indian Science News Association, Associate Editor, Aureole, an academic Journal, Barasat Govt. College, 2013-2015, Chairperson, PGBOS, Dept. of Zoology</td>
</tr>
<tr>
<td>Dr. D. Chakraborty</td>
<td>Associate Editor (sc), Conscientia, Krishnagar Govt. College Executive Editor, Aureole, an academic Journal, Barasat Govt. College, 2013-2015 Member, PGBOS, Dept. of Zoology, IQAC</td>
</tr>
<tr>
<td>Dr. T.K. Saha</td>
<td>Convener, PGBOS, Dept. of Zoology, Barasat Govt. College</td>
</tr>
<tr>
<td>Dr. Sanjay Poddar</td>
<td>Associate Editor, Aureole, academic Journal, Barasat Govt. College, 2011-2014, Member, PGBOS, Dept. of Zoology, Barasat Govt. College</td>
</tr>
<tr>
<td>Dr. Debjani Sarkar</td>
<td>Life member, Indian Pharmacological Society, Life member, The Zoological Society of India, Kolkata, Member, PGBOS, Dept. of Zoology, Barasat Govt. College</td>
</tr>
<tr>
<td>Dr. Tanaya De</td>
<td>Life member, Society of Reproductive Biology and Comparative Endocrinology, Member, PGBOS, Dept. of Zoology, Barasat Govt. College</td>
</tr>
<tr>
<td>Dr. Srikanta Guria</td>
<td>Life member, The Zoological Society of India, Kolkata, Member, Calcutta Consortia of Human Genetics, Member, PGBOS, Dept. of Zoology, Barasat Govt. College</td>
</tr>
<tr>
<td>Mr. Somaditya Dey</td>
<td>Member, PGBOS, Dept. of Zoology, Barasat Govt. College</td>
</tr>
</tbody>
</table>

22. Student projects: See Annexure 1.

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies:

<table>
<thead>
<tr>
<th>Name</th>
<th>Level</th>
<th>Research laboratories/Industry/ other agencies:</th>
<th>Amt of Fellowship / Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Juin Mondal</td>
<td>M.Sc (2012-2014)</td>
<td>Research Associate (Part time) in a 3 year project, funded by NMPB, Govt. of India at RKMA, Narendrapur</td>
<td>4000/- per month</td>
</tr>
<tr>
<td>Keya Halder</td>
<td>M.Sc (2011-2013)</td>
<td>Research Associate (Full time) in a 3 year project, funded by NMPB, Govt. of India at RKMA, Narendrapur</td>
<td>8000/- per month</td>
</tr>
<tr>
<td>Sushanta Das</td>
<td>M.Sc (2012-2014)</td>
<td>Recently passed North 24 pgs Judgeship Examination and recruited in Barasat High Court</td>
<td>Recent Salary= 15000/- per month</td>
</tr>
<tr>
<td>Subhankar Dutta</td>
<td>B.Sc (2009-2012)</td>
<td>Research Associate In Bioinformatics, Mumbai</td>
<td></td>
</tr>
<tr>
<td>Subhadip Mukherjee</td>
<td>B.Sc (2009-2012)</td>
<td>Working as Ornithologist, Wild Life Photography of NGO</td>
<td>7000/- per month</td>
</tr>
<tr>
<td>Name</td>
<td>Qualification</td>
<td>Current Position</td>
<td>Salary (per month)</td>
</tr>
<tr>
<td>------------------</td>
<td>---------------</td>
<td>-------------------------</td>
<td>--------------------</td>
</tr>
<tr>
<td>Arpita Das</td>
<td>B.Sc (2009-2012)</td>
<td>Bank of Baroda</td>
<td>15000/-</td>
</tr>
<tr>
<td>Ivy Nandi</td>
<td>B.Sc (2009-2012)</td>
<td>Bank of Baroda</td>
<td>15000/-</td>
</tr>
<tr>
<td>Suparna Mallik</td>
<td>B.Sc (2009-2012)</td>
<td>Kanara Bank</td>
<td>15000/-</td>
</tr>
<tr>
<td>Arka Bakshi</td>
<td>M.Sc (2009-2011)</td>
<td>IISC, Bangalore</td>
<td>CSIR fellowship</td>
</tr>
</tbody>
</table>

23. **Awards/Recognitions received by faculty and students:**

**Teachers’ awards:**

1. Dr. Madhumita Manna is the recipient of Post Graduate Jubilee Merit Prize from University of Calcutta for securing first class first position in B.Sc Hons Exam., 1985. Dr. Manna also received National Scholarship from Govt. of India for academic excellence starting from class VIII.

2. Dr. Debajyoti Chakraborty, received National Scholarship from Govt. of India for academic excellence and he was CSIR JRF.

3. Dr. Tuhin K. Saha received UGC JRF and completed his Ph.D. from Visva Bharati University.

4. Dr. Tanaya De is CSIR NET qualified and did her Ph.D. from Central Drug Research Institute, Lucknow, India. She is also GATE and SLET qualified.

5. Dr. Sanjay Poddar is SET qualified and recipient of State DST project.

6. Dr. Debjani Sarkar is recipient of Gufic prize for presenting paper in Annual Conference Indian Pharmacological Society, 2005 and NET and SLET qualified. She did her Ph.D.in 2011 from University of Calcutta.

7. Dr. Srikanta Guria, UGC-CSIR NET (LS) and SLET qualified and was awarded his Ph.D. in 2014 from Calcutta University. He obtained UGC SAP RFSMS fellowship from Calcutta University. He is awarded for outstanding paper presentation at National Symposium on Man, Animal and Environment Interaction in The Perspective of Modern Research on organized by Department of Zoology, University of North Bengal. He got young scientist award for his paper presentation on national seminar at University of Kalyani.

8. Mr. Somaditya Dey is NET qualified and pursuing Ph.D. under Dept. of Zoology, WBSU. He is awarded for oral and poster presentation at International Conference on "Molecular Biology and its Applications", organized by Department of Life Science and Biotechnology, Jadavpur University, Kolkata.
### Students’ awards/ recognitions:

<table>
<thead>
<tr>
<th>Name</th>
<th>Level</th>
<th>Scholarship/award/Recognition</th>
<th>Funded by</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Suchitra Guha</td>
<td>PG SEM IV</td>
<td>Swami Vivekananda Merit Cum Means Scholarship</td>
<td>Govt. of West Bengal</td>
<td>Rs. 16800/- Per Year (12months Basis) for 2 yrs</td>
</tr>
<tr>
<td>Thakurata</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brintasree</td>
<td>PG SEM IV</td>
<td>Indira Gandhi Post Graduate Single Girl Child Scholarship</td>
<td>UGC</td>
<td>Rs. 2,000/- Per Month (10 month basis) for 2yrs</td>
</tr>
<tr>
<td>Chakraborty</td>
<td></td>
<td></td>
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<tr>
<td>Ratna Sarkar</td>
<td>PG SEM IV</td>
<td>Indira Gandhi Post Graduate Single Girl Child Scholarship</td>
<td>UGC</td>
<td>Rs. 2,000/- Per Month (10 month basis) for 2yrs</td>
</tr>
<tr>
<td>Sangita Das</td>
<td>PG SEM IV</td>
<td>Swami Vivekananda Merit Cum Means Scholarship</td>
<td>Govt. of West Bengal</td>
<td>Rs. 16800/- Per Year (12months Basis) for 2 yrs</td>
</tr>
<tr>
<td>Soumita Biswas</td>
<td>PG SEM IV</td>
<td>Swami Vivekananda Merit Cum Means Scholarship</td>
<td>Govt. of West Bengal</td>
<td>Rs. 16800/- Per Year (12months Basis) for 2 yrs</td>
</tr>
<tr>
<td>Paramita Banerjee</td>
<td>PG SEM IV</td>
<td>Indira Gandhi Post Graduate Single Girl Child Scholarship</td>
<td>UGC</td>
<td>Rs. 2,000/- Per Month (10 month basis) for 2yrs</td>
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<tr>
<td>Sinjini Mukherjee</td>
<td>PG SEM IV</td>
<td>Indira Gandhi Post Graduate Single Girl Child Scholarship</td>
<td>UGC</td>
<td>Rs. 2,000/- Per Month (10 month basis) for 2yrs</td>
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<tr>
<td>Anwesha Banerjee</td>
<td>PG SEM IV</td>
<td>Indira Gandhi Post Graduate Single Girl Child Scholarship</td>
<td>UGC</td>
<td>Rs. 2,000/- Per Month (10 month basis) for 2yrs</td>
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<tr>
<td>Moumita Banerjee</td>
<td>PG SEM IV</td>
<td>Indira Gandhi Post Graduate Single Girl Child Scholarship</td>
<td>UGC</td>
<td>Rs. 2,000/- Per Month (10 month basis) for 2yrs</td>
</tr>
<tr>
<td>Himadri Nath</td>
<td>PG SEM IV</td>
<td>Swami Vivekananda Merit Cum Means Scholarship</td>
<td>Govt. of West Bengal</td>
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<tr>
<td>Kantu Mondal</td>
<td>PG SEM IV</td>
<td>Swami Vivekananda Merit Cum Means Scholarship</td>
<td>Govt. of West Bengal</td>
<td>Rs. 16800/- Per Year (12months Basis) for 2 yrs</td>
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<tr>
<td>Subhankar Bhowmick</td>
<td>PG SEM IV</td>
<td>Swami Vivekananda Merit Cum Means Scholarship</td>
<td>Govt. of West Bengal</td>
<td>Rs. 16800/- Per Year (12 months Basis) for 2 yrs</td>
</tr>
<tr>
<td>Md. Sahariar Sardar</td>
<td>PG SEM IV</td>
<td>Swami Vivekananda Merit Cum Means Scholarship</td>
<td>Govt. of West Bengal</td>
<td>Rs. 16800/- Per Year (12 months Basis) for 2 yrs</td>
</tr>
<tr>
<td>Lok Nath Biswas</td>
<td>PG SEM IV, 2015</td>
<td>SC Scholarship</td>
<td>W.B .Minority Fund</td>
<td>Rs. 9,000/- Per Year (12 Months Basis)</td>
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<tr>
<td>Gunjan Roy Choudhury</td>
<td>PG SEM II, 2014</td>
<td>Post graduate Indira Gandhi scholarship for single girl child</td>
<td>UGC</td>
<td>2000 per month</td>
</tr>
<tr>
<td>Arpita Hazra</td>
<td>PG SEM II, 2014</td>
<td>Post graduate Indira Gandhi scholarship for single girl child</td>
<td>UGC</td>
<td>2000 per month</td>
</tr>
<tr>
<td>Name</td>
<td>Qualification</td>
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<td>Funding Body</td>
<td>Amount</td>
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<tr>
<td>Shilpa Saha</td>
<td>PG SEM II, 2014</td>
<td>Post graduate Indira Gandhi</td>
<td>UGC</td>
<td>2000 per month</td>
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<td></td>
<td>scholarship for single girl</td>
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<tr>
<td></td>
<td></td>
<td>child</td>
<td></td>
<td></td>
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<tr>
<td>Moumita Rakshit</td>
<td>PG SEM II, 2014</td>
<td>Post graduate Indira Gandhi</td>
<td>UGC</td>
<td>2000 per month</td>
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<td>scholarship for single girl</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>child</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sudipta Kanrar</td>
<td>M.Sc (2012-2014)</td>
<td>SC scholarship</td>
<td>Govt. of West Bengal</td>
<td>7600/- per annum</td>
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<tr>
<td>Sujit Sarkar</td>
<td>M.Sc (2012-2014)</td>
<td>SC scholarship</td>
<td>Govt. of West Bengal</td>
<td>7600/- per annum</td>
</tr>
<tr>
<td>Subrata Mondal</td>
<td>M.Sc (2012-2014)</td>
<td>SC scholarship</td>
<td>Govt. of West Bengal</td>
<td>7600/- per annum</td>
</tr>
<tr>
<td>Prodipta Roy</td>
<td>M.Sc (2012-2014)</td>
<td>SC scholarship</td>
<td>Govt. of West Bengal</td>
<td>7600/- per annum</td>
</tr>
<tr>
<td>Prianjana Dey</td>
<td>BSc 2nd (Hons), 2014</td>
<td>Kanyashree Prakalpa</td>
<td>Govt. of West Bengal</td>
<td>25,000/- per annum</td>
</tr>
<tr>
<td>Nandita Mondal</td>
<td>BSc 2nd (Hons), 2014</td>
<td>Kanyashree Prakalpa</td>
<td>Govt. of West Bengal</td>
<td>25,000/- per annum</td>
</tr>
<tr>
<td>Tasnin Sultana</td>
<td>BSc2 nd (Hons), 2014</td>
<td>Kanyashree Prakalpa</td>
<td>Govt. of West Bengal</td>
<td>25,000/- per annum</td>
</tr>
</tbody>
</table>

24. **List of eminent academicians and scientists/visitors to the department:**

   a) Dr. Swadesh Dattagupta, Retired Scientist, Indian Institute of Chemical Biology, Kolkata

   b) Prof. S. K. Mukherjee, Ex Principal, Hooghly Mohasin College, Hooghly

   c) Dr. N. K. Jana, Associate Prof. & Head, Dept. of Zoology, Charuchandra College, Kolkata

   d) Dr. S. C. Gupta, Retired Scientist and Ex Jt. Director, Zoological Survey of India

   e) Dr. Madhusudhan Ghosal, Retired Vice Principal, Surendra Nath College, Kolkata

   f) Dr. Rupendu Roy, Retired, Ex HOD, Dept. of Zoology, Barasat Govt. College

   g) Dr. Debaprasad Chakraborty, Retired, Ex HOD, Dept. of Zoology, erstwhile Presidency College, Kolkata

   h) Dr. Amlan Ghosh, Faculty, Dept. of Biological Sciences, Presidency University, Kolkata
i) Prof. Nimai Chandra Saha, Director of Public Instructions, Higher Education Dept, Govt. of West Bengal
j) Prof. Subir C. Dasgupta, Prof. and Head, Dept. of Zoology, Maulana Azad College, Kolkata
k) Dr. Anjan Kumar Das, Dept. of Pathology, Calcutta National Medical College, Kolkata
l) Dr. Chiranjib Pal, Dept. of Zoology, West Bengal State University, Barasat
m) Dr. Narain Garai, Head, Dept. of Zoology, West Bengal State University, Barasat
n) Prof. Anilava Kabiraj, Dept. of Zoology, Kalyani University, Kalyani
o) Dr. Samir B. Banerjee, Retired Prof. and Head, Dept. of Zoology, Calcutta University
p) Prof. Goutam Saha, Prof., Dept. of Zoology, Calcutta University of Calcutta
q) Prof. Madhusudan Das, Prof. and Head, Dept. of Zoology, University of Calcutta
r) Prof. Sumit Homechaudhury, Prof., Dept. of Zoology, University of Calcutta
s) Dr. Shilanjan Bhattacharya, Dept. of Zoology, West Bengal State University, Barasat

25. Seminars/Conferences/Workshops organized & the source of funding
   a) National: One (in Collaboration with West Bengal State University)

<table>
<thead>
<tr>
<th>THEME</th>
<th>LEVEL</th>
<th>FUNDING AGENCY</th>
<th>DATE</th>
<th>COLLABORATOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rediscovering 100 years of journey on the field of Immunology; PRESENT STATUS OF Immunological research in India</td>
<td>National</td>
<td>University Grants Commission</td>
<td>19th &amp; 20th September, 2011</td>
<td>West Bengal State University</td>
</tr>
</tbody>
</table>

b) International: None

26. Student profile programme/course wise:

<table>
<thead>
<tr>
<th>Name of the Course/programme</th>
<th>Applications received</th>
<th>Selected</th>
<th>Enrolled</th>
<th>Pass percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG B.Sc. Zoology</td>
<td>*M</td>
<td>*F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2010-2011</td>
<td>615</td>
<td>27</td>
<td>14</td>
<td>13</td>
</tr>
<tr>
<td>2011-2012</td>
<td>640</td>
<td>35</td>
<td>25</td>
<td>10</td>
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<tr>
<td>2012-2013</td>
<td>717</td>
<td>39</td>
<td>21</td>
<td>18</td>
</tr>
<tr>
<td>2013-2014</td>
<td>746</td>
<td>40</td>
<td>15</td>
<td>25</td>
</tr>
<tr>
<td>2014-2015</td>
<td>728</td>
<td>43</td>
<td>13</td>
<td>30</td>
</tr>
</tbody>
</table>

*M = Male   *F = Female
Name of the Course/programme
PG M.Sc. Zoology

Applications received | Selected | Enrolled | Pass percentage
---|---|---|---
* | *
2010-2011 | 162 | 24 | 8 16 | 100%
2011-2012 | 156 | 23 | 3 20 | 100%
2012-2013 | 167 | 25 | 11 14 | 100%
2013-2014 | 154 | 24 | 10 14 | N.A. (Degree not awarded)
2014-2015 | 152 | 26 | 5 21 | N.A. (Degree not awarded)

*M = Male  *F = Female

27. Diversity of Students

<table>
<thead>
<tr>
<th>Name of the Course</th>
<th>% of students from the same state</th>
<th>% of students from other States</th>
<th>% of students From abroad</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG COURSE- B.Sc. ZOOLOGY (A) (2010-15)</td>
<td>98.9%</td>
<td>1.1%</td>
<td>NIL</td>
</tr>
<tr>
<td>PG COURSE M.Sc. ZOOLOGY(2010-15)</td>
<td>99.18%</td>
<td>0.82%</td>
<td>NIL</td>
</tr>
</tbody>
</table>

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc?

NET: 4; WBPSC Selection Test: 1; SSC: 1; Judgeship Examination: 1

<table>
<thead>
<tr>
<th>Name of the Competitive Examination</th>
<th>No. of students passed (in last five years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NET 2014, WBPSC Selection Test,2015</td>
<td>1 (Sujit Sarkar)</td>
</tr>
<tr>
<td>NET 2013</td>
<td>1 (Dipankar Chakraborty)</td>
</tr>
<tr>
<td>NET 2013</td>
<td>1(Subhankar Mukherjee)</td>
</tr>
<tr>
<td>NET 2012</td>
<td>1(Arka Bakshi)</td>
</tr>
<tr>
<td>SSC (School Service Commission) 2013</td>
<td>1 (Debadrita Paul)</td>
</tr>
<tr>
<td>North 24 pgs Judgeship Examination clerical post (2015)</td>
<td>1 (Susanta Das)</td>
</tr>
</tbody>
</table>
29. **Student progression**: (2011-2015)

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Against % enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td></td>
</tr>
<tr>
<td>2010-11</td>
<td>12.5%</td>
</tr>
<tr>
<td>2011-12</td>
<td>27%</td>
</tr>
<tr>
<td>2012-13</td>
<td>25%</td>
</tr>
<tr>
<td>2013-14</td>
<td>22.5%</td>
</tr>
<tr>
<td>2014-15</td>
<td>27.5%</td>
</tr>
<tr>
<td>PG to M. Phil.</td>
<td>NIL</td>
</tr>
<tr>
<td>PG to Ph. D.</td>
<td></td>
</tr>
<tr>
<td>2010-11</td>
<td>N.A.</td>
</tr>
<tr>
<td>2011-12</td>
<td>12.5%</td>
</tr>
<tr>
<td>2012-13</td>
<td>8%</td>
</tr>
<tr>
<td>2013-14</td>
<td>N.A. (Degree not awarded)</td>
</tr>
<tr>
<td>2014-15</td>
<td>N.A. (Degree not awarded)</td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td>Data Insufficient</td>
</tr>
<tr>
<td>Employed</td>
<td></td>
</tr>
<tr>
<td>Campus selection</td>
<td>Other than campus recruitment: 30 (Mainly in Banking sector, Staff selection, Primary And secondary Schools, Colleges, JRFs, LDC and private organizations etc.)</td>
</tr>
<tr>
<td>Other than campus recruitment</td>
<td></td>
</tr>
<tr>
<td>Entrepreneurship/ Self-employment</td>
<td>Data Insufficient</td>
</tr>
</tbody>
</table>

30. **Details of Infrastructural facilities**

   a) **Library**:  
   Besides Central library with 319 books on the subject, Dept. has one seminar library with 133 books to meet the demand of both UG and PG students.

   b) **Internet facilities for Staff & Students**:  
   Wi-Fi connections in 10 computers to serve both students and teachers.

   c) **Class rooms with ICT facility**:  
   Two PG classrooms with fixed LED projectors and one LED projector for taking class both for UG and PG.

   d) **Laboratories**:  
   The Dept. has three General practical laboratories to hold the practical classes of both UG and PG students, two well equipped special paper AC laboratories for special paper students and four sophisticated research laboratories for research scholars of the Dept. Besides these, Dept. also has one central equipment facility laboratory for students, research scholars as well as teachers to conduct regular classes and project works of the students and scholars.
31. **Number of students receiving financial assistance from college, university, government or other agencies**: 26 + 35 = 61

<table>
<thead>
<tr>
<th>Name</th>
<th>Level</th>
<th>Scholarship/award/Recognition</th>
<th>Funded by</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suchitra Guha Thakurata</td>
<td>PG SEM IV</td>
<td>Swami Vivekananda Merit Cum Means Scholarship</td>
<td>Govt. of West Bengal</td>
<td>Rs. 16800/- Per Year (12 months Basis) for 2 yrs</td>
</tr>
<tr>
<td>Brin tasree Chakraborty</td>
<td>PG SEM IV</td>
<td>Indira Gandhi Post Graduate Single Girl Child Scholarship</td>
<td>UGC</td>
<td>Rs. 2,000/- Per Month (10 month basis) for 2 yrs</td>
</tr>
<tr>
<td>Ratna Sarkar</td>
<td>PG SEM IV</td>
<td>Indira Gandhi Post Graduate Single Girl Child Scholarship</td>
<td>UGC</td>
<td>Rs. 2,000/- Per Month (10 month basis) for 2 yrs</td>
</tr>
<tr>
<td>Sangita Das</td>
<td>PG SEM IV</td>
<td>Swami Vivekananda Merit Cum Means Scholarship</td>
<td>Govt. of West Bengal</td>
<td>Rs. 16800/- Per Year (12 months Basis) for 2 yrs</td>
</tr>
<tr>
<td>Soumita Biswas</td>
<td>PG SEM IV</td>
<td>Swami Vivekananda Merit Cum Means Scholarship</td>
<td>Govt. of West Bengal</td>
<td>Rs. 16800/- Per Year (12 months Basis) for 2 yrs</td>
</tr>
<tr>
<td>Paramita Banerjee</td>
<td>PG SEM IV</td>
<td>Indira Gandhi Post Graduate Single Girl Child Scholarship</td>
<td>UGC</td>
<td>Rs. 2,000/- Per Month (10 month basis) for 2 yrs</td>
</tr>
<tr>
<td>Sinjini Mukherjee</td>
<td>PG SEM IV</td>
<td>Indira Gandhi Post Graduate Single Girl Child Scholarship</td>
<td>UGC</td>
<td>Rs. 2,000/- Per Month (10 month basis) for 2 yrs</td>
</tr>
<tr>
<td>Anwesha Banerjee</td>
<td>PG SEM IV</td>
<td>Indira Gandhi Post Graduate Single Girl Child Scholarship</td>
<td>UGC</td>
<td>Rs. 2,000/- Per Month (10 month basis) for 2 yrs</td>
</tr>
<tr>
<td>Moumita Banerjee</td>
<td>PG SEM IV</td>
<td>Indira Gandhi Post Graduate Single Girl Child Scholarship</td>
<td>UGC</td>
<td>Rs. 2,000/- Per Month (10 month basis) for 2 yrs</td>
</tr>
<tr>
<td>Himadri Nath</td>
<td>PG SEM IV</td>
<td>Swami Vivekananda Merit Cum Means Scholarship</td>
<td>Govt. of West Bengal</td>
<td>Rs. 16800/- Per Year (12 months Basis) for 2 yrs</td>
</tr>
<tr>
<td>Kantu Mondal</td>
<td>PG SEM IV</td>
<td>Swami Vivekananda Merit Cum Means Scholarship</td>
<td>Govt. of West Bengal</td>
<td>Rs. 16800/- Per Year (12 months Basis) for 2 yrs</td>
</tr>
<tr>
<td>Subhankar Bhowmick</td>
<td>PG SEM IV</td>
<td>Swami Vivekananda Merit Cum Means Scholarship</td>
<td>Govt. of West Bengal</td>
<td>Rs. 16800/- Per Year (12 months Basis) for 2 yrs</td>
</tr>
<tr>
<td>Md. Saharia Sardar</td>
<td>PG SEM IV</td>
<td>Swami Vivekananda Merit Cum Means Scholarship</td>
<td>Govt. of West Bengal</td>
<td>Rs. 16800/- Per Year (12 months Basis) for 2 yrs</td>
</tr>
<tr>
<td>Lok Nath Biswas</td>
<td>PG SEM IV, 2015</td>
<td>SC Scholarship</td>
<td>W.B .Minority Fund</td>
<td>Rs. 9,000/- Per Year (12 Months Basis)</td>
</tr>
<tr>
<td>Gunjan Roy Choudhury</td>
<td>PG SEM II, 2014</td>
<td>Indira Gandhi Post graduate scholarship for single girl child</td>
<td>UGC</td>
<td>2000 per month</td>
</tr>
<tr>
<td>Arpita Hazra</td>
<td>PG SEM II, 2014</td>
<td>Indira Gandhi Post graduate scholarship for single girl child</td>
<td>UGC</td>
<td>2000 per month</td>
</tr>
<tr>
<td>Name</td>
<td>PG/Year</td>
<td>Scholarship/Detail</td>
<td>Funding Agency</td>
<td>Amount per annum</td>
</tr>
<tr>
<td>-------------------</td>
<td>---------</td>
<td>-------------------------------------------------------------------------------------</td>
<td>----------------</td>
<td>------------------</td>
</tr>
<tr>
<td>Shilpa Saha</td>
<td>PG SEM II, 2014</td>
<td>Indira Gandhi Post graduate scholarship for single girl child</td>
<td>UGC</td>
<td>2000 per month</td>
</tr>
<tr>
<td>Moumita Rakshit</td>
<td>PG SEM II, 2014</td>
<td>Indira Gandhi Post graduate scholarship for single girl child</td>
<td>UGC</td>
<td>2000 per month</td>
</tr>
<tr>
<td>Sudipta Kanrar</td>
<td>M.Sc (2012-2014)</td>
<td>SC scholarship</td>
<td>Govt. of West Bengal</td>
<td>7600/- per annum</td>
</tr>
<tr>
<td>Pinky Ghosh</td>
<td>M.Sc (2012-2014)</td>
<td>SC scholarship</td>
<td>Govt. of West Bengal</td>
<td>7600/- per annum</td>
</tr>
<tr>
<td>Subrata Mondal</td>
<td>M.Sc (2012-2014)</td>
<td>SC scholarship</td>
<td>Govt. of West Bengal</td>
<td>7600/- per annum</td>
</tr>
<tr>
<td>Prodipta Roy</td>
<td>M.Sc (2012-2014)</td>
<td>SC scholarship</td>
<td>Govt. of West Bengal</td>
<td>7600/- per annum</td>
</tr>
<tr>
<td>Sujit Sarkar</td>
<td>M.Sc (2012-2014)</td>
<td>SC scholarship</td>
<td>Govt. of West Bengal</td>
<td>7600/- per annum</td>
</tr>
<tr>
<td>Prianjana Dey</td>
<td>BSc 2nd (Hons), 2014</td>
<td>Kanyashree Prakalpa</td>
<td>Govt. of West Bengal</td>
<td>25,000/- per annum</td>
</tr>
<tr>
<td>Nandita Mondal</td>
<td>BSc 2nd (Hons), 2014</td>
<td>Kanyashree Prakalpa</td>
<td>Govt. of West Bengal</td>
<td>25,000/- per annum</td>
</tr>
<tr>
<td>Tasnin Sultana</td>
<td>BSc 2nd (Hons), 2014</td>
<td>Kanyashree Prakalpa</td>
<td>Govt. of West Bengal</td>
<td>25,000/- per annum</td>
</tr>
</tbody>
</table>

### Details on student enrichment programmes (special lectures/workshops/seminar) with external experts:

<table>
<thead>
<tr>
<th>Academic session</th>
<th>Half free (no. of students)</th>
<th>Full free (no. of students)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-12</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>2012-13</td>
<td>5</td>
<td>2</td>
</tr>
<tr>
<td>2013-14</td>
<td>6</td>
<td>0</td>
</tr>
<tr>
<td>2014-15</td>
<td>8</td>
<td>10</td>
</tr>
</tbody>
</table>

**32.** Details on student enrichment programmes (special lectures/workshops/seminar) with external experts:

<table>
<thead>
<tr>
<th>Student Enrichment Programme</th>
<th>Held on</th>
<th>Title</th>
<th>Funding Agency</th>
<th>External Expert/Resource Person/ Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>Awareness on Job opportunity</td>
<td>May, 2015</td>
<td>Awareness on Job opportunity</td>
<td>College authority</td>
<td>Dr. Amlan Ghosh, Dept. of Biological Sciences, Presidency University</td>
</tr>
</tbody>
</table>
33. **Teaching methods adopted to improve student learning:**

- The usual talk and chalk method is used by the faculties which still remains a very good and effective way to inculcate knowledge and interest to the students.
- Along with this usual method, the teachers also employ some other effective methods while teaching, for example, Overhead Projector is used that helps to project the transparent sheets prepared by the teachers enabling to teach in more detail and at the same time saves time. The diagrams used while teaching can be much better comprehended by the pupil in this method.
- LCD Projector is also used by the teachers, which, of course, helps in better gripping of the topics. The diagrams, animations and videos that can be used in this method definitely creates an interest and inquisitiveness among the students as well as helps to grab their whole-hearted attention while delivering the topic, keeping them keen and interested.
- Charts are used while conducting the practical classes. In case of dissection, it helps the students to better understand the anatomy. In other practical topics, they get a better understanding of the specimens that they would observe.
- Models are there to demonstrate some topics of practical classes.
- Museum specimens displayed in the department introduces the students to an array of animals, thus instilling their interest into the world of Zoology. Identification of these specimens with their characteristic features further helps the students to become more familiar with the animals that encompasses the scope of Zoology.

34. **Participation in Institutional Social Responsibility (ISR) and Extension activities:**

Students and teachers from Department of Zoology have participated in different programmes organized by NSS unit of the College.

35. **SWOC analysis of the department and Future plans:**

<table>
<thead>
<tr>
<th>Strength</th>
<th>Weakness</th>
<th>Opportunity</th>
<th>Constraint</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Faculties are highly motivated and integrated.</td>
<td>1. Due to the transfer policy that exists in service, teachers get relocated in the middle of the session and often the total number of posts allotted, remains unoccupied. This hampers teachers’ students’ coordination that has developed meanwhile.</td>
<td>1. DST FIST fund for dept.</td>
<td>1. Space</td>
</tr>
<tr>
<td>2.</td>
<td>The meritorious candidates of the area select this Dept. as first reference to study</td>
<td>2. UGC XI plan PG development grant</td>
<td>2. Adequate funds</td>
</tr>
<tr>
<td>3.</td>
<td>Department has been upgraded to teach Post-Graduate curriculum from 2009</td>
<td>2. More class rooms dedicated for each year</td>
<td>3. Special grant from Govt. of West Bengal</td>
</tr>
<tr>
<td>3.</td>
<td>Department has been upgraded to teach Post-Graduate curriculum from 2009</td>
<td>2. More class rooms dedicated for each year</td>
<td>3. Special grant from Govt. of West Bengal</td>
</tr>
<tr>
<td>4.</td>
<td>Various teaching aids like Overhead projector, LCD projector</td>
<td>3. Requirement of more computers for the faculties and the students</td>
<td>4. DBT Twinning programme running in the Dept. in collaboration with CNMC and Guwahati Medical College, Assam</td>
</tr>
<tr>
<td>5.</td>
<td>Faculties are running projects funded by different research organisations</td>
<td>5. Collaboration with National Institutes like IICB, SINP, UGCDAE, Guwahati Medical College, Univ. of Calcutta, WBSU, Allergy and Asthma Research Centre, Kolkata, IPGMER, Presidency University etc.</td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>Sophisticated instruments to cater the PG students and research scholars</td>
<td>6. Wi-Fi Internet connections for Dept.</td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>Students’ Seminar is a part of PG curriculum. Regular seminars and national level conference has also been held</td>
<td>7. Computer laboratory in the Dept.</td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>Teacher-student co-ordination is commendable</td>
<td>8. Exposure of the PG students to various ‘State of Art’ research laboratories (IICB, IPGMER, WBSU etc)</td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>Most Post-graduate students qualify in First Class; Some UG students come out as rank-holders in University Examinations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>Eminent guest faculties and teachers scholars come regularly to interact with the students and teachers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td>Students take part in NSS programme, they also occasionally arrange cultural programme among themselves as well as</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Future Plans:

1. Improvement of Infrastructure of the Dept. by procuring funds from Govt., BOOST, DBT STAR programme etc [for example, Animal house with ethical committee, human ethical committee, Aquarium etc]
2. Putting thrust on students’ projects in different research organizations/ Universities
3. Improvising Teaching learning methods [e-class room, interactive board, digital classrooms, Digital library etc]
4. Participation of young faculties in Faculty Improvement Programme
5. Arrangement of hands on training programme for both UG and PG students
6. To set up Centre for excellence to cater students of nearby colleges of the University in the form of workshop, hands on training etc.
7. Up gradation of museum as it is integral part of Zoology teaching.
PART-F

POST-ACCREDITATION INITIATIVES
Report on Actions Taken as per the Recommendations by the NAAC Peer Team during Accreditation of Cycle-1

1. **Recommendation:** The vacant post of the faculty should be filled

**Actions taken:**

- Presently the Departments such as Geography, Mathematics, Physics, Chemistry, Economics and Philosophy have full strength of full-time faculties, in addition to part-time, guest and visiting faculties. Out of 86 sanctioned posts, very few teaching posts are vacant, as of now, which are also expected to be filled up soon.
- All the posts of Professors in different departments are filled up.
- Recently an additional new teaching post has been created and filled up in the Department of Geography.
- To maintain the student teacher ratio properly, creation and filling up of more of teaching posts in different departments have been proposed and is under consideration of Government.
- With the introduction of PG course in Chemistry, more teaching and non-teaching posts will be created and new teachers will be posted shortly.
- The College is committed to fill up all vacant posts at the earliest.

2. **Recommendation:** Furtherance of Computer Literacy

**Actions taken/Status:**

- The College has established computer rooms for each department and in the library dedicating them to the cause of spreading computer literacy.
- Computer literacy programme for girl students in a dedicated computer room in the main building has become operative as well.
- With the goal of achieving full computer literacy among the students, a dedicated computer center in the Annex Building for the purpose of imparting compulsory computer course to the under-graduate students of this College has been set up, in collaboration with the National Institute of Electronics & Information Technology (NIELIT), an affiliate of Department of Information Technology, Government of India. Provision for such classes were incorporated within the class-routine of the under-graduate students, thus ensuring that the digital divide is gradually eliminated.
• The number of desktop and laptop computers available in the College now stands at a figure of 130, with the College having plans to add to this number. Of these, more than 40 machines cater to the laboratory related needs of the students, while a few are earmarked for free internet access and other such needs of students.

• The College has a dedicated pool of tech-savvy teachers who encourage the students for adoption of computer-enabled solutions in their regular academic matters.

• In keeping with the e-governance initiatives of the Government, the College also has taken initiative for the training of non-teaching staff in handling of different high-end software meant for accounting and library matters. The integration of the non-teaching staff with such software has improved our institutional functionality.

• Efforts are on for a ‘Go Green and Paperless Campus’, by keeping the students abreast with the latest technological knowhow so that everything can be done online.

• In a related development, the College is also considering to tap the huge potential of the mobile computing platform. The development of a free android app in the name of the College is in the pipeline. The College wants to be a pioneer in this regard.

3. Recommendation: Stakeholders’ participation in academic and developmental activities may be encouraged further

Actions taken/Status:

• The college has a potent IQAC, comprising the members of teaching faculties as well as different sections of the society, actively and constructively participating in college activities.

• The College has a fully functional Governing Body, with representatives from all walks of life. The Hon’ble District Magistrate of North 24 Parganas is the President of our Governing Body. The rest of the posts are adorned by renowned academicians, representatives from the administration, teaching faculty, non-teaching staff, local society members and students. Meetings are regularly convened and important administrative and strategic decisions are arrived at through consensus.

• Individual departments also conduct parent-teacher meetings and the feedback arising out of such meetings are incorporated in the management process of the College. Their grievances are also addressed. The Departments take serious efforts in getting feedback of students regarding course curriculum, facilities offered by the College, accessibility of faculty etc., while keeping the anonymity of the students intact.
There is a vibrant Students’ Union whereby the opinion of the student community are voiced through a democratic forum. Such union is provided a yearly budget to carry out co-curricular activities of the students. They organize cultural functions and sports meets and are also active in maintaining the overall discipline and cleanliness of the College.

College has a development committee comprising teaching and non-teaching staff and students to discuss about different developmental measures to be undertaken.

The alumni members have also at times very actively placed their suggestions.

4. **Recommendation:** Budgetary provision for promoting research activities (seed money for the beginners)

**Actions taken/Status:**

- Funds sanctioned from the Government or bodies like UGC and DST, are allocated evenly to cater to all the stakeholders associated with the College.
- The College promotes research orientation by providing administrative, infrastructural and logistical support to all the teachers. Whenever the teachers apply for project grants from UGC, DST or similar bodies, the College authority processes the applications on a priority basis. As compared to the accreditation of last cycle, number of ongoing projects undertaken by the teachers has significantly increased.
- A portion of the book grants is kept for research oriented volumes and the Departments can use it as per their discretion. Space and other infrastructural support for setting up laboratories and work-stations are provided by the College as well. All these factors somewhat substitute the lack of any direct research grants.

5. **Recommendation:** The College may consider reducing some of the work-load of the faculty doing research

**Actions taken/Status:**

- While the College authority appreciates this recommendation of the NAAC Peer Team, there are certain operational difficulties in implementing the same. However, the teachers are encouraged by the authority to undertake research projects by reducing their duties like invigilation, admission work etc. Administrative, infrastructural and logistical support are provided to them. With increasing number of students getting admitted to all the Departments, the present distribution of load factor among teachers has already
evened out. Moreover, it is the young teachers who are driving the necessary technological changes in the overall system.

- The College authority is also alert in increasing the research opportunities for the researchers. In the past five years, there have been fifty one (51) instances where the teachers have been able to complete Refresher Course, Orientation Programme, PhD Coursework etc. and the College authority has always been supportive of such needs.

6. **Recommendation:** Active Placement Cell required

**Actions taken/Status:**

- The College has established under UGC scheme, a vibrant Career Counselling Cell as per the recommendation of the NAAC Peer Team. A Career Fair was organized in February 2011, whereby many companies and institutes had set up connectivity centers within the campus to create an awareness for job-oriented courses among the students from the catchment area of this College. Between 2013 and 2015 as well, many career oriented programmes have been organized, where numerous eager participants benefitted. Through the months of November and December 2014, Counselling sessions were organized for outgoing undergraduate third year students of this College and they were imparted specific technical inputs on CV writing, GD skills, Interview skills etc. Around 300 students of this College had been counselled through such sessions.

- Entry-in-Services programme under UGC scheme is running successfully in this College. Many teachers have been imparting professional and life-skills to many aspirants from disadvantaged sections of the society. Till date, nearly 350 career aspirants have enrolled in this programme. Some of them have been successful in securing jobs in both Government and private sector. So the College is active in catering to the placement related needs of the wider populace.

- About direct placement of students through campus interview, it is indeed uncommon to see instances where companies have recruited fresh graduates-to-be from general degree colleges on the basis of their qualification only. As the market determined model of economy reserves mainly the non-technical jobs and back-office jobs for students from non-science disciplines of general degree colleges, the placement related functions are getting more and more specialized in nature. The Career Counselling Cell of the College proposes to partner with the HR wings of major industry heavyweights and rope in their technical expertise to increase the employability of our students.
7. **Recommendation:** UGC may be approached for maintenance of equipment grants

**Actions taken/Status:**
- The UGC has decided to accord a total corpus fund of Rs. 27,95,580/- as Grant-in-aid under the head PBG-35 and Rs.6,98,895/- under the head PBG-31 to the College during the XIIth Plan period. Among these, an amount of Rs.5,98,895/- in total is sanctioned as Instrument maintenance facility under the head PBG-35 and PBG-31, including repairing and maintenance of equipment. The college hopes to receive more of such grants in future.

8. **Recommendation:** P.G programmes in Physics and Chemistry may be introduced.

**Actions taken/Status:**
- In the second half of 2009, PG course was introduced in the Department of Physics, along with Departments of Zoology and Bengali as well. Since then, four batches of students have passed out with distinction from these PG programmes.
- University has already granted the affiliation for introduction of Post-graduate course in Chemistry from 2015-16 academic session. The college is now waiting for final approval from the Higher Education Department, Government of West Bengal. For this purpose, with the grant under UGC Golden Jubilee scheme and matching grant of the Govt. of West Bengal, an Annex building of Chemistry Department is being constructed and will be completed shortly. The College as well as the Department of Chemistry is looking forward to the commencement of its upcoming PG course.

9. **Recommendation:** Internet facilities should be strengthened further.

**Actions taken/Status:**
- All the departments, library and office have already been made Wi-Fi enabled through optical-fiber, whereby internet access is available to all the smart devices and gadgets located within a broad perimeter through a secured channel.
- Under the National Mission on Education through ICT (NMEICT), funded by the Ministry of Human Resources Development, Government of India, provision for high speed broadband internet by BSNL has been created in all the Departments, Teachers’ Room, Library and College Office as well.
• The access for high-speed internet through NIELIT has been thrown open to the students in the Central Library of the College.
• Apart from this, internet facility is available in the Cheap Store as well.
• The College has already taken initiative to enable the entire campus with Wi-Fi network by a private service provider for a Campus-Wi-Fi Solution Network. Therefore, the College has a mission of enabling the faculty and the students whereby they can connect themselves with the broader world.

Illustration of how the College envisages a Campus-Wi-Fi Solution Network

10. **Recommendation:** A good auditorium is required.

**Actions taken/Status:**
• The College has built a state-of-the-art air-conditioned, sound proof auditorium-cum-Seminar Hall on the second floor of the Annex Building, where all modern facilities are available to conduct seminars, lectures, presentations, film shows and other functions. It can accommodate an audience strength of nearly 150.
• Apart from this, there is another auditorium on the ground floor of Main Building with provision for 150 seats. Having a proper audio system and a stage, this facility is frequently used on different occasions.
• Additionally, air-conditioned e-classrooms have also been established in the PG Departments. These are alternatively utilized to conduct Departmental seminars and other such notable academic activities.
• Proposal for construction of a full scale Auditorium has already been sent for government approval.
11. **Recommendation:** Back-up facility for electricity.

**Actions taken/Status:**

- The College has installed in a proper platform and shade, a silent auto-start pollution free DG Set of 50kVA capacity made by Cummins, Jackson.
- Additionally a Generator Set of 5kVA capacity is also functional from a separate generator room. In this way, adequate power back-up shall eventually increase the academic productivity of the college.
PART-G

ANNEXURE-1:

DETAILED ACADEMIC ACTIVITIES OF THE DEPARTMENTS
1. DEPARTMENT OF BENGALI

Name of the faculty: Dr. Dilip Kumar Naha

List of Publications:

Some Selected Articles published during last five years:


Name of the faculty: Sandip Kumar Patra

List of Publications:

1. Tobu ekalabya, 6th year, first issue, 1417 B, Rabindra galpe nayika: chena mukh Achena prodibad
2. Ebong Musayera, Gunamoy Manna Sankha, Saradiya 1417 B, Samayer Avigyane Bohuswarik Jini…
Name of the faculty: Dr. Sudakshina Ghosh

Seminar attended/paper presented:

1. UGC sponsored National Seminar 23rd January 2010 Presidency College.
2. UGC Sponsored State level Seminar Attended & Participated 4th and 5th March 2010 Barasat Govt. College.
3. UGC Sponsored Seminar Attended & Participated 7th and 8th April, 2010 at Presidency College.
5. Centre for Studies & Research on Tagore Rabindra Bharati University, UGC sponsored National Seminar [Paper presented on 26.03.2015]

List of Publications:

Books:

2. Essay :- Collected In Books
   B) Rabindranather Ghare Baire; Binirman –Nirman Edited By Dr. Chitrita Bandhopadhyay (Amulya: Balak Kishore)

Articles published in journals:

1. Dui Prabandhik: ak naricharitra - Samalochna, Tobu ekalabya Edited by Dipankar Mallick, ISSN 09769463, 6TH YEAR 1ST EDITION 1417

Name of the faculty: Md Abdur Rafik Sardar

Seminar attended/ paper presented

1. Rabindra Bharati University, UGC sponsored National Seminar Paper presented on 17.03.2015 & 18.03.15
2. Centre for Studies & Research on Tagore Rabindra Bharati University, UGC sponsored National Seminar on 26.03.2015
3. Rabindra Bharati University, International Seminar [Paper presented on 27.03.2015]


5. Asannagar Madamohon Tarkalankar Mahabidyalay UGC sponsored National Seminar Paper presented Dt. 24.06.2015 and 25.06.2015.

Name of the faculty: Ms. Piali Khan

Seminar attended/ paper presented

5. Centre for Studies & Research on Tagore Rabindra Bharati University, UGC sponsored National seminar on 26.03.2015
6. Rabindra Bharati University, International Seminar on 27.03.2015
9. Asannagar Madamohon Tarkalankar Mahabidyalay UGC sponsored National Seminar Paper presented on 24.06.2015 and 25.06.2015

List of Publications:


**Name of the faculty: Dr. Tarun Kanti Roy (Transfered)**

**List of publications:**

2. Samir Rakhit : Samayer nibisto Pathak – Published in the Mahajan, Editted by Indranil Mukhopadhyay. May 2013

**Name of the faculty: Ms. Debjani Sengupta (transferred)**

She had completed a UGC minor research project between 2009 and 2011, during her period of service at Barasat Government College.

**Name of the faculty: Smt. Paramita Chaudhuri (Part-Time teacher)**

**Seminar paper presented:**

4. Centre for Studies & Research on Tagore Rabindra Bharati University,
5. UGC sponsored National Seminar [Paper presented] on 26.03.2015
8. Asannagar Madamohon Tarkalankar Mahabidyalay UGC sponsored National Seminar Paper presented on 24.06.2015 and 25.06.2015
List of Publications:


❖ Projects done by the PG students under supervision of the following teachers

Dr. Manju Mandal, Associate Professor

1. Dissertations submitted by PG Students:

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<td>Esadul Islam</td>
<td>Parasuramer – short story</td>
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<td>Ria Ghosh</td>
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<td>Rojina Khatun</td>
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Rita Ghosh, Associate Professor

1. Dissertations submitted by PG Students:

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### Sandip Kumar Patra, Associate Professor

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### Md. Abdur Rafik Sardar, Assistant Professor

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<td>Dipankar Dikder</td>
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Manas Kundu, Assistant Professor

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<td>Mahasweta Debi: “Subaltern” World</td>
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<td>Arpita Roy</td>
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Piali Khan, Assistant Professor

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# 2. Department of Botany

**Publications of Department of Botany**

*In Journals: 53*

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<tr>
<td>1</td>
<td>Karyotype Analysis of Indian Lentils Through EMA Based Giemsa Staining</td>
<td>Caryologia (In press), IF-0.85</td>
<td>2015</td>
<td>Jha T.B., Mahanti A and Ghorai A</td>
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<td>2</td>
<td>Cytogenetic and DNA analyses in three species of Swertia from Eastern Himalaya</td>
<td>Caryologia (In press), IF-0.85</td>
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<td>Samaddar T, Myo Ma Ma Than, Jha T B and Jha S</td>
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<td>3</td>
<td>Chromosomes of Aegle marmelos &amp; Azadirachata indica through EMA method.</td>
<td>Nucleus 57(3):185–188</td>
<td>2014</td>
<td>Jha T.B.</td>
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<td>4</td>
<td>Direct organogenesis, phytochemical screening and assessment of genetic stability in clonally raised Chlorophytum borivilianum Sant et Fern.</td>
<td>Environmental and Experimental Biology (Accepted)</td>
<td>2014</td>
<td>Basu S and Jha T B,</td>
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<td>5</td>
<td>Karyological relationships in Indian species of Drimia based on fluorescent chromosome banding and nuclear DNA amount</td>
<td>Protoplasma DOI 10.1007/s00709-014-0679-z, IF-2.651</td>
<td>2014</td>
<td>Nath S &amp; Jha T B, Mallick S K &amp; Jha S</td>
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<td>9</td>
<td>In vitro propagation and molecular evaluation of a Capsicum annuum L. cultivar with high chromosome number (2n=48)</td>
<td>Scientia Horticulturae, 140, 119–124, IF- 1.504</td>
<td>2012</td>
<td>A. Dafadar, A. Das, B. Bandyopadhyay and T.B. Jha</td>
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<td>New genetic resource in <em>Capsicum</em></td>
<td>Plant Genetic Resources</td>
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<td>T.B. Jha, A. Dafadar, and A. Ghoroi</td>
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<td>13</td>
<td><em>In vitro</em> Morphogenesis in <em>Selaginella microphylla</em> (Kunth.)</td>
<td>Plant Biotechnology Reports</td>
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<td>T.B. Jha, S. Mukherjee, A. Basak and J. Adhikari</td>
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<td>18</td>
<td>Cytogenetic studies in four species of <em>Chlorophytum ker-Gawl</em> (Liliaceae)</td>
<td>Nucleus (Springer), 54(3), 123-132</td>
<td>2011</td>
<td>S. Basu and T.B. Jha</td>
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<td>27</td>
<td>Effect of 2,4- dichloro phenol on mycelial growth and extracellular enzyme production by <em>Pleurotus spp.</em></td>
<td>B. N. Seal J. Sc. Vol. III, ISSN: 0975-5624</td>
<td>2010</td>
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<td>28</td>
<td>Cultivation practice of <em>Pleurotus fossulatus</em> on rice straw.</td>
<td>Journal of Life Sciences.. Vol. 4, ISSN: 1934-7391</td>
<td>2010</td>
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<td>29</td>
<td>Experimental evidence for Presence of a Growth Regulating Extracellular Laccase in Some <em>Pleurotus Species.</em></td>
<td>Research J. Microbiology. Vol. 6, ISSN: 1816-4935</td>
<td>2011</td>
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<td>30</td>
<td>Concomitant production of sporeless fruiting bodies and laccase release during submerged fermentation practice of <em>Pleurotus fossulatus.</em></td>
<td>New York Science J. Vol. 4., ISSN: 1554-0200</td>
<td>2011</td>
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<td>32</td>
<td>Comparative studies of antibacterial properties of three <em>Pleurotus</em> species (Oyster mushroom)</td>
<td>Nature and Science., ISSN: 1545-0740</td>
<td>2012</td>
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<td>33</td>
<td>Isolation and characterization of two multidrug resistant bacteria from drinking water samples at Barasat Govt.College.</td>
<td>Acad. J. Aureole., ISSN: 0976-9625</td>
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<td>38</td>
<td>Isolation and physico-chemical characterisation of extracellular lingo-cellulolytic enzymes of <em>Pleurotus pulmonarius</em> in submerged fermentation.</td>
<td><em>International Journal of Applied Biology And Pharmaceutical Technology</em>, 6 (3) (Accepted)</td>
<td>2015</td>
<td>N. Das, D. Dey, and S. Mishra</td>
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<td>41</td>
<td>Characterization of some common members of the family Malvaceae s.s. on the basis of morphology of selective attributes: epicalyx, staminal tube, stigmatic head and trichome</td>
<td>Indian Journal of Plant Sciences, 4  (3): 79-86, ISSN: 2319–3824</td>
<td>2014</td>
<td>S. Naskar and R. Mandal</td>
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<td>42</td>
<td>Leaf epicuticular and pollen ultrastructural comparisons of <em>Sonneratia apetala</em> Buch.-Ham. and <em>S. caseolaris</em> (L.) Engler (Sonneratiaceae)</td>
<td>Modern Phytomorphology, 7: 47-53, ISSN: 2226-3063</td>
<td>2015</td>
<td>S. Naskar</td>
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<td>43</td>
<td>Numerical Taxonomy of some members of Acanthoideae sensu Scotland and Vollesen (Acanthaceae) from North 24 Parganas District, West Bengal, India based on Gross Morphology and Pollen Characters</td>
<td>International Research Journal of Biological Sciences, 4(6), 48-55, ISSN: 2278-3202</td>
<td>2015</td>
<td>S. Naskar</td>
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<td>44</td>
<td>Photosynthesis and antioxidative enzyme activities in five Indian mangroves with respect to their adaptability.</td>
<td>Acta Physiologiae Plantarum, 33: 803-810. IF- 1.524</td>
<td>2011</td>
<td>N. Dasgupta, P. Nandy (Datta) and S. Das</td>
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<td>Salinity imposed changes of some isozymes and total leaf protein expression in five mangroves from two different habitats.</td>
<td>Jour. Pl. Interactions, 5 (3): 211-221, <strong>IF- 0.865</strong></td>
<td>2010</td>
<td>N. Dasgupta, P. Nandy (Datta), C. Tiwari, and S. Das</td>
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<td>Study on the Occurrence of Algae from Metiabruz, Kolkata, West Bengal, India.</td>
<td><em>Journal of Biodiversity and Environmental Sciences</em>. 3(1): 1-6</td>
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<td>Talai-Mukhopadhyay S, Naskar N.</td>
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<td>Salt Stress: A Biochemical and Physiological Adaptation of Some Indian Halophytes</td>
<td>In: Molecular Stress Physiology of Plants Editor: G.R. Rout and A. B. Das. Ed: Springer ISBN No. 978-81-322-0806-8</td>
<td>2013</td>
<td>N. Dasgupta, P. Nandy (Datta), and S. Das</td>
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### Novel Fungal Enzymes in Environmental Remediation in Environmental Biotechnology and Application


**2012**

**D. Adhikari, N. Das, and S. Naskar.**

Edited by P. Kumar ‘Bharti’ & Avanish Chauhan

---

### Management of an unequivocal socio-dermatological problem vitiligo involving medicinal plants


[Invited Article/ Book Chapter]

**2010**

**Adhikari, J., Chhetri, D.R. and Chhetri, S.**

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### Seminar/ Conference Papers: 16

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<tr>
<td>1.</td>
<td>Cultivation of <em>Pleurotus fossulatus</em> on rice straw</td>
<td>Trends in Microbiology, 2009, A B N Seal College &amp; UBKV</td>
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<td>2.</td>
<td>Solid state and submerged fermentations of <em>Pleurotus fossulatus</em> - an approach to sporeless fruiting bodies</td>
<td>SilverBot 2009 North Bengal University</td>
<td>National</td>
<td>P. Chowdhury &amp; N. Das</td>
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<td>4.</td>
<td>Isolation, culture optimization and physico-chemical characterization of laccase enzyme from <em>Pleurotus fossulatus</em></td>
<td>Indian Science Congress Association, Kolkata, 2013</td>
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<td>R. Hari, P. Chowdhury &amp; N. Das</td>
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<td>Seedling morphology of Some members of Rosaceae from Darjeeling</td>
<td>24th Annual conference of</td>
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<td>Talai-Mukhopadhyay S, Mitra S, Biswas A, Shaw M, Das N, Poddar-Sarkar, M.</td>
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<td>STUDY ON ALLELOPATHIC POTENTIALITY OF SOME HALOPHYTIC PLANTS</td>
<td>DR. N.C. KARMOKER</td>
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<td>Botany</td>
<td>2013</td>
<td>SUBHRA PAL</td>
<td>THE EFFECT OF CURING OF PLASMID ON DRUG RESISTANT AND PESTICIDE DEGRADATION IN SOIL BACTERIA Disha I</td>
<td>DR. N. DAS</td>
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<tr>
<td>Botany</td>
<td>2013</td>
<td>ARITI DAS</td>
<td>ISOLATION AND CHARACTERIZATION OF PESTISITE DEGRADAING PHYLLOSPERHIC BACTERIA FROM LEAF SURFACE OF Monordica charantia</td>
<td>PROF BENUDHAR MANDAL</td>
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<td>Botany</td>
<td>2013</td>
<td>POULOMI CHATTERJEE</td>
<td>SCREENING OF USNEA SP, MURRAYA KOENIGII &amp; ALOE VERA EXTRACT AGAINST PATHOGEN &amp; THEIR INTERACTION WITH BIOCONTROL AGENTS</td>
<td>DR. ANURADHA BHATTACHARYA</td>
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<td>Botany</td>
<td>2013</td>
<td>RITUPARNA SAHA</td>
<td>PRELIMINARY STUDY OF PHYTOCHEMICALS OF THREE RICE VARIETIES</td>
<td>DR. SUBHRA TALAI MUKHOPADHYAY</td>
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<td>Botany</td>
<td>2013</td>
<td>MOUMITA DEY</td>
<td>COMPARATIVE STUDY OF PHYSIOCHEMICAL PROPERTIES &amp;MICROBIAL ACTIVITIES OF SOIL FROM FOUR ECOLOGICALLY DIFFERENT AREAS</td>
<td>DR. N.C KARMOKAR</td>
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<td>Botany</td>
<td>2013</td>
<td>Swati Roy</td>
<td>Evaluation of some rhizospheric fungi &amp; bacteria for antagonestic potential against Phytophthora sp &amp; Macrophomina phaseolina</td>
<td>Dr. Anuradha Bhattacharya</td>
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<td>Botany</td>
<td>2013</td>
<td>Anamika Seal</td>
<td>Quantitative analysis of bioactive chemicals under normal &amp; different stressed conditions in Moringa oleifera</td>
<td>Dr. Kajari Laheri</td>
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<td>Botany</td>
<td>2013</td>
<td>Subhadisha Karma</td>
<td>Comparative study of different chemical content of milled &amp; brown rice of three rice varieties</td>
<td>Dr. Subhra Talai Mukhopadhyay</td>
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<td>Botany</td>
<td>2012</td>
<td>Mithun Chakroborty</td>
<td>Qualitative &amp; Quantitative characterization of isoenzyme from Pheselus radiatus under stress mediated by salinity</td>
<td>Dr. Paramita Nandi</td>
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<td>Botany</td>
<td>2012</td>
<td>Sourav Acharya</td>
<td>Role of inositol in recovery of mitotic damage</td>
<td>Dr. Paramita Nandi</td>
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<td>Botany</td>
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<td>Md Abu Toyeb Mondal</td>
<td>Regulation of L- Myo-inositol-phosphate synthase gene in Pheselus radiatus under salt stress</td>
<td>Dr. Paramita Nandi</td>
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<td>Botany</td>
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<td>Pritha Mukhopadhyay</td>
<td>Analysis of regulatori elements in precursors of MIR 156 family in plant</td>
<td>Prof. Sayak Ganguli</td>
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<td>Botany</td>
<td>2012</td>
<td>Jaba Bandyopadhyay</td>
<td>Deterioration of seed by seedborn fungi &amp; bacteria</td>
<td>Dr. A.K. Das/ Dr. Naim Uddin</td>
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<td>Botany</td>
<td>2012</td>
<td>Anindita Maity</td>
<td>Efficacy of two bio extract (Terminalia arjuna &amp; ramalina)</td>
<td>Dr. Naim Uddin</td>
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<td>Botany</td>
<td>2012</td>
<td>Sharmistha Koley</td>
<td>Antimicrobial activities of lichen (Parmelia sp) against micro organism</td>
<td>Dr. A.K. Das/ Dr. A. Bandapadhyay</td>
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<td>Botany</td>
<td>2012</td>
<td>RAMA BISWAS</td>
<td>BIODIVERSITY OF Follicolous mycofloras ON ANGISPERM IN BAGNAN AND THEIR COMPARATIVE STUDIES</td>
<td>DR A.K. DAS/ DR A. BANDAPADHYAY</td>
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<td>Botany</td>
<td>2012</td>
<td>ANARADHA GHOSH</td>
<td>EVALUATION OF SOME RHIZOSPHERE FUNGI AND BACTERIA FOR ANTAGONESTIC POTENTIAL AGAINST Fusarium oxysporum &amp; Carvularia lunata</td>
<td>DR A.K. DAS/ DR A. BANDAPADHYAY</td>
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<td>Botany</td>
<td>2012</td>
<td>SWATI SARKAR</td>
<td>TAXONOMIC STUDY OF VERVINACEAE WITH SPECIAL AMPHESIS TO PALINOLOGY &amp; TRICHOM MORPHOLOGY</td>
<td>DR. SAIKAT NASKAR</td>
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<td>Botany</td>
<td>2012</td>
<td>SUNITA SINGH</td>
<td>PHENETIC RELATIONSHIP BASED ON GROSS MORPHOLOGICAL AND PALYNOLOGICAL DATA OF SOME MEMBER OF THE FAMLI ACANTHACEAE</td>
<td>DR. SAIKAT NASKAR</td>
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<td>Botany</td>
<td>2012</td>
<td>SWETA SARKAR</td>
<td>COMPARATIVE STUDIES OF ANTIMICROBIAL PROPERTIES OF EDIBLE MUSHROOM Pleurotus species</td>
<td>DR. N. DAS</td>
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<td>Botany</td>
<td>2012</td>
<td>SUDESHNA PRAMANIK</td>
<td>ISOLATION AND CHARACTERIZATION OF SOME MULTIDRUG RESISTANT BACTERIA FROM DRINKING WATER SAMPLES AT BARASAT GOVT. COLLEGE</td>
<td>DR. N. DAS</td>
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<td>Botany</td>
<td>2012</td>
<td>RANIA HARI</td>
<td>ISOLATION, CULTURE OPTIMIZATION AND PHYSICO-CHEMICAL CHARACTERIZATION OF LACCASE ENZYME FROM Pleurotus Fossulatus</td>
<td>DR. N. DAS</td>
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<td>Botany</td>
<td>2012</td>
<td>DISHARI CHATTERJEE</td>
<td>ISOLATION, CHARACTERIZATION AND IDENTIFICATION OF A METHOMYL DEGRADING BACTERIA FROM CULTIVATED SOIL</td>
<td>DR. N. DAS</td>
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<td>Subject</td>
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<td>Botany</td>
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<td>Rabisankar Das</td>
<td>Determination of Primary Productivity in Pond Ecosystem</td>
<td>Dr. N. C. Karmaker</td>
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<td>Botany</td>
<td>2012</td>
<td>Dipnil Banerjee</td>
<td>Qualitative and Quantitative Study of the Plant Communities Lining Keshtopur Canal</td>
<td>Dr. N. C. Karmaker</td>
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<td>Botany</td>
<td>2012</td>
<td>Tuhin Pal</td>
<td>Comparison of Physiochemical Properties of Soil Between Polluted &amp; Unpolluted &amp; Manmanipulated Area Vis-A-Vis Their Productivity</td>
<td>Dr. N. C. Karmaker</td>
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<td>Botany</td>
<td>2012</td>
<td>Tonima Saha</td>
<td>An Attempt to Increase the Self Life of Seasonal Vegetable (Trichosanthes dioica)</td>
<td>Prof Nilay Kr. Mitra</td>
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<td>Botany</td>
<td>2012</td>
<td>Faiz Ahmad</td>
<td>An Attempt to Delay the Ripening of Common Fruit Banana</td>
<td>Prof Nilay Kr. Mitra</td>
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<td>Botany</td>
<td>2012</td>
<td>Sanchita Mallik</td>
<td>Study of Iron, Zink &amp; Total Antioxidant Potential of Some Indigenuous Rice Varieties with Reference to Their Germination Performance</td>
<td>Dr. Subhra Talai Mukhopadhyay</td>
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<td>Botany</td>
<td>2012</td>
<td>Monisha Shaw</td>
<td>Antioxidant Activity &amp; Phytochemical Screening of Four BioPhytes of Eastern Himalaya</td>
<td>Dr. Subhra Talai Mukhopadhyay</td>
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<td>Botany</td>
<td>2012</td>
<td>Binita Satapathy</td>
<td>Partial Purification &amp; Characterization of Alpha Amylase from Mushroom Pleuro sp</td>
<td>Prof Nilay Kr. Mitra</td>
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3. DEPARTMENT OF CHEMISTRY

Name of the faculty: Dr. Sanat Kumar Saha

Publication:


Conference/Symposia/Seminar/Workshop attended:

<table>
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<th>Name of Seminar</th>
<th>Status</th>
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Name of the faculty: Dr. Prabir Kumar Sen

List of Publications:


Name of the faculty: Dr. Soma Nath (Deoghoria)

Publication:


Seminar Attended

1. National Seminarat Rajabazar Science College, Calcutta University, organized by Indian Chemical Society on 1st And 2nd August 2014.
Name of the faculty: Dr. Dipanwita Majumdar

List of Publications:


5. ‘Synthesis of single crystalline micron-sized rectangular silver bar.’ B Mondal, D Majumdar and S K Saha; *J. Mater. Research*. 25 (2010) 383.[IF=1.815] (Citation=00)


7. ‘Scope of Inclusion of Nanotechnology in UG and PG courses in India’ D. Majumdar, *Academic J. Aureole*, 3 (2011) 114. [ISSN-0976-9625]. Citation=00


Books (Chapter):


Oral Presentations, Workshops, Poster presentations

2011: Oral Presentation: At IACS on “Ferroelectric Response in Conjugated Polymers”.

2011: Poster presentation: At SreeGopal Banerjee College, Bagati, Mogra, Hooghly, West Bengal on “Epitaxial Growth of Single Crystalline Polyaniline on Reduced Graphene Oxide to grow High Quality P-N Junction”.

2012: Workshop: At IIT Bombay on "Frontiers of Excellence in Photovoltaic Science and Technology".


Name of the faculty: Dr. Sanjukta Muhuri

List of Publications:


**Book Chapter:**

1. *DNA Conjugates and Sensors.* **Editor(s): Keith R Fox, Tom Brown.** **Chapter:** Small Molecules – RNA Conjugates. pp 103-118. **Copyright: 2012. Publisher:** Royal Society of Chemistry (RSC), **ISBN:** 978-1-84973-427-1

**Seminars attended:**


3. UGC sponsored National seminar jointly organized by Chemistry Dept. of Barasat Govt. College and IACS, Kolkata on 7th & 8th Sept, 2011.

**Name of the faculty: Dr. Nabakumar Bera**

**Workshops/Seminars attended**

1. UGC-sponsored National Seminar on “Frontier Areas of Chemistry-A Modern Perspective” on February 25 & 26, 2010, organized by Department of Chemistry, Ramakrishna Mission Vidyamandira, in collaboration with the Indian Association for the Cultivation of Science.


3. One day seminar on “Recent Trends in the Research on Atomic, Molecular and Optical (AMO) Physics” on March 17, 2010, organized by Indian Physical Society in association with the Indian Association for the Cultivation of Science.


5. One day meeting on “Condensed Matter Physics (In honour of Prof. J. K. Bhattacharjee)” on March 04, 2011, organized by Department of Theoretical Physics, Indian Association for the Cultivation of Science.


List of Publications:

1. Free Electron Model to Understand the Aromaticity, Antiaromaticity and Nonaromaticity in Cyclic Conjugated Hydrocarbons, P. Ghosh, M. Sultana and N. Bera, Aureole (An Academic Journal, ISSN 0976-9625), 3, 149-168 (2011) [I. F.-0.0 citation-0].

Name of the faculty: Dr. Asim Kumar Majee (Transferred)

Seminars/Workshops attended
1. ‘Recent advances in the frontiers of Physics’ Department of Physics Bidhannagar College. UGC sponsored national Seminar – 2013.
3. UGC sponsored national level seminar- ‘Challenges ahead in higher education’ – 2010. WBGCTA.

Publications

4. DEPARTMENT OF ECONOMICS

Name of the faculty: Dr. Rajnarayan Gupta

Resource person/paper presentation


List of Publications:


**Name of faculty: Dr. Arindam Bhattacharya (Transferred)**

**List of Publications:**


3. **Arindam Bhattacharyya** (2014):“Status-quo in Primary Education Structure-the role of Parental Behaviour”*Arthabisleshan, Vol (2) Issue 1, pp 54-65 (ISSN 2321-1903)*


**Name of the faculty: Dr. Sudeshna Chattopadhyay**

**Presentations at conferences and seminars:**

- *Competitiveness of India’s Apparel Exports* at the 24th Annual Conference on Contemporary Issues in Development Economics at Jadavpur University held on December, 20, 22-23, 2014.
• **Efficiency of the Indian Garment Manufacturing Units in the post MFA period** at the Fifth National Seminar on Industrial Statistics held during 29-30 October, 2014 organized by the Central Statistical Organization

• **Indian Gems and Jewellery Industry: An Enquiry into the Nature of Competitive Advantage** co authored by Sarmila Banerjee at the UGC sponsored International Conference on Contemporary Issues in Economic Development held at Kalyani University on 21-22 March 2013

• **Indian Gems and Jewellery Industry: An Enquiry into the Nature of Competitive Advantage** co authored by Sarmila Banerjee at the UGC sponsored seminar on **Contemporary Issues in Development Economics** held at Rabindra Bharati University, Kolkata, on 20-21 March, 2012.

• **Pollution Control Instruments in the Presence of an Informal Sector** co authored by Sarmila Banerjee and Katrin Millock at the **17th Annual Conference of the European Association of Environmental and Resource Economists (EAERE)** held at the VU University in Amsterdam, the Netherlands during 24-27 June 2009

• **Pollution Control Instruments in the Presence of an Informal Sector** co authored by Sarmila Banerjee and Katrin Millock at the UGC sponsored seminar on “Globalisation: Conceptual and Empirical Issues” organized by the Department of Economics, Rabindra Bharati University, Kolkata, during 26-27 March, 2009.

**List of Publications:**


3. **Sudeshna Chattopadhyay** (2013): “Shifting of Pollution Loads to Informal Units in India: A Possible Escape Route for Compliance with WTO Standards” (co-author: Sarmila Banerjee) in *Foreign Trade Review*, 48(1).

Name of the faculty: Dr. Mriganka De Sarkar (transferred)

List of Publications:


5. DEPARTMENT OF ENGLISH

Name of the faculty: Dr. Basabi Roy Chowdhury

Seminar attended

UGC sponsored State level seminar on *Popular Fiction: Cultural Artifact or Commercial Product* organized by Department of English, Gour Mohan Sachin Mandal Mahavidyalaya, in association with the American Library, Kolkata (March, 2010).

Name of the faculty: Ms. Swaty Mitra

Seminar attended

Participated in a Group Discussion on Gender and Literature organised by *Pegasus*, Kolkata (a non-profit making Journal) in *Bhawanipore Girls’s College*, Kolkata.

Resource person/paper presentation


List of Publications:

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<tr>
<td>1</td>
<td>POST FIFTIES BRITISH LITERATURE: AN ANTHOLOGY OF CRITICAL ESSAYS</td>
<td>Delinquency and the Inversion of the Gothic in Doris Lessing’s <em>The Fifth Child</em></td>
<td>Department of English, MUC Women's College, Burdwan, WB</td>
<td>2014</td>
<td>978-93-5196-723-1</td>
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</table>
Name of the faculty: Dr. Debjani Roy Moulik (Transferred)

**Seminars attended**

1. UGC Sponsored State Level Seminar titled “Only Connect”: The Bridging of Cultures, Ages and Art Forms Through Shakespeare organized by SivanathSastri College on December 20, 2011.

2. UGC Sponsored National Level Seminar titled Transposing Cultures Translating Texts: A Reappraisal of Indian English Literature(s), organized by Sarsuna College on February 2 and 3, 2012.

**List of Publications:**

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<td>1</td>
<td>Different faces different voices</td>
<td>Emergence of the 'new woman' in the 19th century Bengal: Her education and liberation</td>
<td>Barasat Government College</td>
<td>2012</td>
<td>978-93-80673-72-1</td>
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<td>2</td>
<td>Aureole</td>
<td>Public theatre in Bengal: history behind it's foundation</td>
<td>Barasat Government College</td>
<td>2014</td>
<td>ISSN 0976-9625</td>
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<td>Aureole</td>
<td>Societies and association in the 19th century Bengal</td>
<td>Barasat Government College</td>
<td>2015</td>
<td>ISSN 0976-9625</td>
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<td>4</td>
<td>Mahesh Dattani and Metatheatre: A study of new social issues</td>
<td>Taboo as theme: Alternate sexualities and incest in Dattani's plays</td>
<td>Manglam Publishers, New Delhi</td>
<td>2014</td>
<td>97882983521</td>
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<td>5</td>
<td>Book released by women's studies centre, Lady Brabourne College</td>
<td>Binodini Dashi o Bangarangamancha</td>
<td>SetuPrakasani</td>
<td>Due</td>
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<td>6</td>
<td>Marginalized writings</td>
<td>Autobiographies of the triply marginalized: A study of Binodini Dashi's my story and my life as an actress</td>
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Name of the faculty: Ms. Sharmistha Das (On Lien)

**Seminars attended**

UGC sponsored national seminar at Ramnagar College, Digha - 'Women in Elizabethan Literature'

**Seminar paper presented**

1. "Self as the Other: Subjectivity and Narrative in Doris Lessing's The Golden Notebook" presented at UGC sponsored two day National Seminar on *Post Fifties British Literature: Text and Context*, Organized by MUC Women's College, Burdwan, in collaboration with Indian Association of Studies of Australia, Kolkata (September 2013).


**List of Publications:**

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<tr>
<td>Critical perspectives on contemporary English literature</td>
<td>Doris Lessing's Children of Violence: A Feminist Bildungsroman</td>
<td>Vivekananda Mahavidyalayapublication unit</td>
<td>2009-2010</td>
<td>978-81-906258-14</td>
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<td>Unheard melody journal of English literature</td>
<td>Palimpsest as a strategy of encounter in R.P.Jhabvala's <em>Heat and Dust</em></td>
<td>Sarup Publishers, New Delhi</td>
<td>2012</td>
<td>ISSN 2229-4236</td>
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<td>Women in Elizabethan England</td>
<td>Representation of women in Elizabethan literature</td>
<td>Gyan Books Pvt Ltd, New Delhi</td>
<td>2013</td>
<td>9351280780, 9789351280781</td>
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<td>Modernization vis-à-vis post modernism</td>
<td>A modernist reading of Doris Lessing's <em>the Golden Notebook</em></td>
<td>A sojourn imprint publication</td>
<td>2014</td>
<td>978-920398-0-8</td>
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<td>Dialogic space issue vol 2</td>
<td>Female bonding in Tony Morrison's <em>Sula</em></td>
<td>Chandrardh, Amarpur</td>
<td>2013</td>
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<tr>
<td>Post fifties British literature: an anthology of critical essays</td>
<td>Self as the other: subjectivity and narrative in Doris Lessing's <em>the Golden Notebook</em></td>
<td>Department of English, MUC Women's college, Burdwan, WB</td>
<td>2014</td>
<td>978-93-5196-723-1</td>
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Name of the faculty: Mr. Ambarish Sen

Seminars attended

UGC sponsored short course on "Disaster Management" at JU Academic Staff College 17.03.2012.

Resource person/paper presentation


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<tr>
<td>The Fiction Of Amitav Ghosh A Critical Commentary</td>
<td>The Voice Of The Subaltern In Amitav Ghosh's Fiction</td>
<td>Atlantic</td>
<td>2013</td>
<td>978-81-269-1793-8</td>
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**Name of the faculty: Ms. Mandira Mitra**

**Publication**


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**Name of the faculty: Ms. Kuntala Sengupta (Part-time)**

**Seminar attended**

National Conference (UGC sponsored) on Women and Spaces: Engendering and Regendering Identities, organized by Vidyasagar Evening College in collaboration with Ramakrishna Mission Institute of Culture, Golpark, Kolkata on 29th-30th August, 2011.

**Paper presentations in seminar:**

- Paper titled ‘Reading between the Rhymes: Analysing the Politics of Translation’ presented in the UGC Sponsored National Seminar on Literature and Translation held in Bidhannagar College, Kolkata, 2-3 August, 2013.
- Paper and PPT entitled ‘Reading the canvas of JayasriBurman: Colour, Culture and Consumer’ presented in UGC Sponsored National Seminar on POST POSTCOLONIAL: THEORY AND TEXTS, in the Young Scholars’ Seminar organized by DRS (SAP-III) Phase-II on February 22nd & 23rd, 2012, held in University of Calcutta.
- Paper titled ‘Inverted Violence: Reading the Backlash of Hegemony in *The Jungle Book, Shooting an Elephant* and *Miss Tomato!*’ presented in the UGC Sponsored National Seminar on Indian Literary Historiography and Counter Currents in Postcoloniality, held by the Postgraduate Dept of English, St Thomas College in Kozhencherry, Kerala, 27th and 28th September 2011.
6. DEPARTMENT OF GEOGRAPHY

Name of the faculty: Dr. Ruksanara Begum

Seminar/ Conferences attended:

<table>
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<tr>
<td>1.</td>
<td><strong>National Seminar</strong> on Changing Environmental Scenario Of Indian Subcontinent: A geographical Appraisal</td>
<td>University Grants Commission</td>
<td>Department of Geography, Barrackpore Rastraguru Surendranath College North 24 Parganas (25-26th November 2011)</td>
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<td>2.</td>
<td><strong>National Seminar</strong> on Women and Literature: Different Faces Different Voices</td>
<td>University Grants Commission</td>
<td>Barasat Government College(16th – 17th January 2012)</td>
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List of Publications:

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<th>Name of the Journal</th>
<th>ISSN/ ISBN No.</th>
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<th>No. of coauthor</th>
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<tr>
<td>1.</td>
<td>Level of Literacy of Muslim Women – A Case Study Of Kolkata</td>
<td>Journal of Women’s Studies</td>
<td>ISSN-2320-3625</td>
<td>Dr Ruksanara Begum</td>
<td>1</td>
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<td>2.</td>
<td>Evolution of Map From its Origin to the Recent Period</td>
<td>Acad. J. Aureole Vol 4,2013</td>
<td>ISSN-0976-9625</td>
<td>Dr Ruksanara Begum</td>
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<td>3.</td>
<td>Demographic Profile of Muslims and Spatial Changes of Muslim Female Status – A Case Study of Kolkata</td>
<td>Indian Journal of Landscape Systems And Ecological Studies, Vol 37, No. 1, 2014</td>
<td>ISSN-0971-4170</td>
<td>Dr Ruksanara Begum</td>
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<tr>
<td>1.</td>
<td>Educational Status of Muslim Women of Kolkata</td>
<td>Poverty and development in South Asia</td>
<td>University of Calcutta Year-2007</td>
<td>International</td>
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<td>2.</td>
<td>Work Participation of Muslim Women – A case study of Kolkata</td>
<td>Dimensions of Development and Resource Conservation</td>
<td>University of Calcutta Year-2012</td>
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<td>4.</td>
<td>Two Opposite Practices Of Muslim Marriage – A Case Study Of Kolkata</td>
<td>Environmental perspective and Resource Management</td>
<td>Institute of Landscape, Ecology And Ekistics, Kolkata Year - 2014</td>
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Name of the faculty: Dr. Sourama Saha

List of Publications:

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<td>2</td>
<td>Aureole</td>
<td>Clay doll industry of Krishnanagar- a uniformity of industry and culture</td>
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<td>3</td>
<td>Geographical Review of India</td>
<td>Spatio-Temporal variation of Agricultural Productivity in Jalpaiguri District</td>
<td>0375-6386</td>
<td>Volume- 75 Issue-4, December-2013</td>
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<td>4</td>
<td>Geographical Review of India</td>
<td>Constraints of growth and development of Katwa Town in Burdwan District of West Bengal</td>
<td>0375-6386</td>
<td>Volume-74 issue-1 March -2012</td>
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<td>5</td>
<td>Institute of Landscape, Ecology and Ekistics</td>
<td>Environmental impact on Human Habitat- A case study on Lataguri Villege, Block – Mal, Dist.-Jalpaiguri</td>
<td>0971-4170</td>
<td>Vol-34, December-2011</td>
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Publication of Books

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<td>Ideal Publisher</td>
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<td>Bhugol Sadakosh (A Dictionary in Geography)</td>
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<td>Paschimbanga Rajya Pustak Parsad</td>
<td>978-81-247-0727-2</td>
<td>May 2013</td>
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**Attended in seminar and conferences**

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<tr>
<td>International Seminar on Globalization Capital Crisis and Inclusive Development: Myth and Realities</td>
<td>University Grant Commission</td>
<td>Lady Brabourne College (22nd-23rd December 2010)</td>
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<td>State level seminar on technologies and revolution: society, Economy and Policy</td>
<td>University Grant Commission</td>
<td>Barasat Government College (4th-5th March 2010)</td>
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<td>National Seminar on Globalization Urban Governance</td>
<td>University Grant Commission</td>
<td>Dr. G. M Roy College, Burdwan (8th-9th October 2010)</td>
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<td>National Seminar on Natural Resource Management</td>
<td>UGC-DRS(SAP)</td>
<td>Department of Geography University of Calcutta (10th-11th March 2011)</td>
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<td>National Seminar on Contemporary Research in Geography</td>
<td>Bhairab Ganguli College in collaboration with NATMO</td>
<td>Bhairab Ganguli College (14th-15th March, 2014)</td>
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<td>National Seminar on Application of Modern Techniques for the Management of Contemporary Environmental Hazard and Disasters</td>
<td>University Grant Commission</td>
<td>Department of Geography, Haringhata Mashavidyalaya (5th-6th September, 2014)</td>
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<td>International Seminar on Environmental perspective and resource management</td>
<td>Institute of Landscape, Ecology and Ekistics, Kolkata</td>
<td>Department of Geography, University of Calcutta (19th-20th December, 2014)</td>
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**Name of the faculty: Dr. Chandan Surabhi Das**

**Seminar/ Conferences Paper presented:**

Presented a paper on *human wildlife conflict in Sundarban* at National conference on Harmony with nature in context of environmental issues and challenges of the 21st century, 28-30 November, 2014 at M. L. *Sukhadia University, Rajasthan*
### List of Publications In Peer Review Journals

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<tr>
<td>2010</td>
<td>Kyoto Protocol: failure or Success?</td>
<td>Indian journal of landscape System &amp; Ecological</td>
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### Papers In Edited Volume

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<tr>
<td>2015</td>
<td>Air Pollution: Industrialization &amp; Urbanization (Bengali), In: Dey, J (ed), Jakhan Prithibi Bipanno, Bijnan Anneswak Prakashani, West Bengal</td>
<td>Bijnan Anneswak Prakashani, West Bengal: 26-33</td>
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Books Published

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<tr>
<td>2010</td>
<td>Human Geography <em>(Bengali)</em></td>
<td>Chandan Surabhi Das &amp; Tapas Kr. Pramanik</td>
<td>Pritam Publication 37A College St, Kolkata 700073</td>
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<tr>
<td>2011</td>
<td>Global Warning <em>(Bengali)</em></td>
<td>Chandan Surabhi Das</td>
<td><em>Grantha Mitra</em> 37A College St, Kolkata 700073</td>
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<tr>
<td>2012</td>
<td>Sharing Space Human-wildlife conflicts in Indian Sundarban <em>(English)</em></td>
<td>Chandan Surabhi Das &amp; Sunando Bandhyapadhay</td>
<td>*Progressive Publication, 37A College St, Kolkata 700073</td>
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<td>2013</td>
<td>H.S. Geography *(Part 1&amp;2) <em>(Bengali)</em></td>
<td>Chandan Surabhi Das &amp; Tarapada Satra</td>
<td>Dey Book Conceren, 15 Shamacharan Dey St, Kolkata 700073</td>
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<td>2014</td>
<td>H.S Practical Geography *(Part 1&amp;2) <em>(Bengali)</em></td>
<td>Chandan Surabhi Das</td>
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<td>2015</td>
<td>Madhyamik Bhugol *(ix) <em>(Bengali)</em></td>
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<td><em>Ideal Publication, Ramanath Majumder St, Kolkata</em></td>
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Name of the faculty: Mrs. Shrabana Mazumder

Seminar Presentation:

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<tr>
<td>1.</td>
<td>Disparity in Health Care: A Picture of Different Districts of West Bengal</td>
<td>Environmental perspective and Resource Management</td>
<td>Institute of Landscape, Ecology And Ekistics, Kolkata Year - 2014</td>
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<td>2.</td>
<td>Tribes and Development: Aparadigm Shift in the Socio-Cultural Behavior of Totos</td>
<td>Recent Researches in earth System Science</td>
<td>Dept. of Geography and Geology Ashutosh College</td>
<td>National Seminar</td>
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<td>“ECOTOURISM: A COMPREHENSIVE DEVELOPMENTAL APPROACH FOR FOREST VILLAGES OF JALPAI GURI DISTRICT”</td>
<td>Victoria J. Arts, Vol. IV No. 1”- ABN, Seal College,p.79</td>
<td>ISSN:09 75-5632</td>
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<td>Shrabana Mazumder</td>
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<td>3</td>
<td>Gender and Agricultural work- Livelihood Crisis of Women Agricultural Workers in Hooghly District of West Bengal,</td>
<td>Annals, V.XXX, No.2, December 2010.</td>
<td>ISSN:09 70-972X</td>
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<td>Dr. Gopa Samanta</td>
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**Attended in seminar and conferences**

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<tr>
<td>Ethnicity, Regionalism, Polity &amp; Economy of Eastern India Since Independence”-</td>
<td>University Grants Commission</td>
<td>ABN. Seal College- 20th &amp; 21st December 2010</td>
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<td>“Performance of 3rd Generation Panchayats in North Bengal”-</td>
<td>University Grants Commission</td>
<td>ABN. Seal College 4th &amp; 5th December, 2010</td>
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<td>“Indian Women in Crossroads: Transition from Colonization to Globalization”-</td>
<td>University Grants Commission</td>
<td>ABN. Seal College 26th &amp; 27th November, 2010</td>
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<td>Adyapak Satya Sundar Barman Memorial lecture:3 “Ganatantre Manabadhikar”</td>
<td>Govt. Sponsored Seminar in collaboration with A.B.S.G.C.T.A</td>
<td>A.B.N.S. Seal College ,Cooch Behar(College level (Govt. sponsored), 16th January, 2013)</td>
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<tr>
<td>1.</td>
<td>Basic Data Handling for Empirical Research in Humanities and Social Sciences: use of SPSS and STATA software</td>
<td>IQAC &amp; Dept. of Economics Hooghly Women’s College, on 13th and 14th January, 2015.</td>
<td>UGC sponsored State level Workshop</td>
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### Name of the faculty: Mr. Aznarul Islam

### Presentations in Conferences/Seminars

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<td>3.</td>
<td>Pattern of Gender based Human Development in the Krishnanagar Urban Area,</td>
<td>NAGI, 33rd Indian Geography Congress</td>
<td>Dept. of Geography, the University of Burdwan. November 11-13, 2011</td>
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<td>5.</td>
<td>Climate Change and Development – A Global Perspective</td>
<td>UGC Sponsored National Seminar, Climate Change and Backward areas: Doings and wellbeing</td>
<td>Panchakot Mahavidyalaya, Purulia, West Bengal. November 24-25, 2011</td>
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<td>A Socio-Economic perspective on the Infant Mortality in West Bengal, India</td>
<td>UGC Sponsored State Level Seminar on Infant Mortality in 21st Century with Special Focus on West Bengal</td>
<td>Srikrishna College, Bagula, Nadia 24th Dec. 2011</td>
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<td>7</td>
<td>The Indians – The Victims of Racism at Home and Abroad,</td>
<td>UGC Sponsored National Seminar on Channing Society, Culture and its Impacts on People</td>
<td>Sambhunath College, Birbhum West Bengal 14-15th Feb. 2012</td>
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<td>Urban Morphology of an Unplanned City- A Study on Krishnanagar City, West Bengal</td>
<td>International Conference on Dimensions of Development and Resource Conservation,</td>
<td>Dept. of Geography, University of Calcutta 10-12 March 2012</td>
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<td>10</td>
<td>Alternative Resource generation and livelihood development against the bank erosion hazard of River Bhagirathi</td>
<td>Literature and Natural resources</td>
<td>Centre for Development Studies and Research, Krishnagar 13th January, 2013</td>
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<td>Social engineering for bank erosion victims-a study along the river Bhagirathi within the stretch of Nadia district, west Bengal,</td>
<td>35th Indian Geographers Meet and International conference,</td>
<td>Dept. Of Geography, The University of Burdwan, 11-13 November, 2013</td>
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<td>Integrating Channel Instability, bank erosion and Land use planning : a Study along the left bank of river Bhagirathi in Nadia district, West Bengal</td>
<td>International Seminar 2014</td>
<td>Centre for Development Studies and Research, Krishnagar 18-19th January, 2014</td>
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<td>Environmental Philosophy and Detribalization: A contradiction between thinking and doing</td>
<td>Ugc sponsored National Seminar on Socio-Economic Environment of the Tribes of India with special reference to the Santals</td>
<td>Turku Hansda Lapsa Hemram Mahavidlaya 19-20th September, 2014</td>
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<td>Search for Social Justice for the bank erosion induced ecological refugees in Murshidabad District west Bengal</td>
<td>Social Well being: Issues and Challenges in 21st Century India</td>
<td>Dept. of Geography, University of Gour Banga 7th January, 2015</td>
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<td>16</td>
<td>Evolution of Mid Channel Bar: A factor of Social Fusion or fission</td>
<td>National Seminar on Images of Geography</td>
<td>Foundation of Practising Geographers 6-7th February, 2015</td>
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<td>Quality Standardization in Air and Water including Detection of Radioactivity in Aquatic Medium &amp; Plant Body</td>
<td>DST-GoWB Sponsored Hands-on-Training programme</td>
<td>Dept. of Environmental Science, Burdwan University Feb 24 to Mar. 3, 2012</td>
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<td>18</td>
<td>Statistical Techniques</td>
<td>Workshop on Methodology in Geographical Research</td>
<td>PG Dept. of Geography, Vivekananda College for Women 3,10,17, 31st January, 2015</td>
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## List of publications:

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<td>‘Death Before Birth’- A Study On Female Foeticide In India,</td>
<td>MS Academic, 1(3): 94-99, 2229-6484</td>
<td>Samsunnessa Khatun</td>
<td>1 (Aznarul Islam)</td>
<td>International</td>
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<td>CLIMATE CHANGE AND DEVELOPMENT - A GLOBAL PERSPECTIVE,</td>
<td>PANCHAKOTEssAYS</td>
<td>0976-4968</td>
<td>Aznarul Islam</td>
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<td>Rabindranath Tagore in Geography</td>
<td>Practising Geographer, Vol. 15 No. 2, pp. 230-235</td>
<td>0975-3850</td>
<td>Aznarul Islam</td>
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<td>OF NADIA DISTRICT, WEST BENGAL</td>
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<td>Indians- the victims of racism at home and abroad</td>
<td>MS Academic, 2(1): 117-121</td>
<td>2229-6484</td>
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<td>14</td>
<td>Integrating channel instability, bank erosion and land use planning along the left bank of river Bhagirathi in Nadia District, West Bengal</td>
<td>Journal of River Research Institute -River Behaviour and Control, Volume 34, pp. 11-26</td>
<td>0970-9258</td>
<td>Aznarul Islam</td>
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**Books and Chapters in Books**

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<td>15</td>
<td>Pattern of gender-based human development in Krishnanagar City, West Bengal in Edited volume Resources and Development edited by N.C. Jana and Lakshmi, Sivaramakrishnan</td>
<td>Aznarul Islam</td>
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<td>16</td>
<td>Is Severity of River Bank Erosion Proportional to Social Vulnerability? A Perspective from West Bengal, India in the Edited Volume Life and Living Through Newer Spectrum of Geography edited by Ismail and Alam</td>
<td>Aznarul Islam</td>
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<td>978-81-7445-690-8</td>
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7. DEPARTMENT OF HISTORY

Name of faculty: Mr. Prabal Bagchi

Seminar/workshop attended

1. 2010 – Writing economic history of India / workshop at the Institute of Development Studies, Kolkata.
3. Attended Seminar on “Local History and periphery” at Palta College, 24-parganas (n), 2011.
7. Attended Indian History Congress at Malda, Patiala, Mumbai and New Delhi respectively from 2010 to 2014.

Resource person/paper presentation:

1. Delivered a lecture on “Idea of India” at Presidency College (FAEA Workshop), December 2013.
2. Delivered extension lecture on “Popular culture in 19th Calcutta-its political economic background” at Mahadevananda College, Barrackpore on 17 April, 2014.
3. Presented a paper on “origin and pattern of film business in India with special reference to Bengal (1896-1931) at IHC, held at Punjabi University, Patiala, 2011

List of Publications:

1. Contributor of two chapters each in class VII & VIII history text book (West Bengal Board of Secondary Education).

Name of the faculty: Mr. Rajkumar Chakrabarti

Resource person/paper presentation

1. Delivered a special lecture at the PG Department, History, Fakir Chand College on 1st February, 2015.
List of Publications:

3. Text Book: Uchhamadyamik Itihas (XI), WBSBB, 2013,
9. 

Name of the faculty: Mr. Samir Mandal (Transferred)

Publication:


Name of the faculty: Dr. Aparna Bandyopadhyay (Transferred)

Resource person/paper presentation


List of Publications:


Name of the faculty: Mrs. Nandini Jana (Transferred)

List of Publications:


Name of the faculty: Dr. Sukanya Dutta (Transferred)

8. DEPARTMENT OF MATHEMATICS

Name of the faculty: Dr. Prasanta Paul

List of Publications:


Seminar Attended/ Paper Presentation

1. National Seminar on Mathematics and its Applications (NSMA 2014) On March 4-5, 2014 Organized by Department of Mathematics, University of Kalyani Sponsored by UGC-DRS-SAP (Phase-I)

Name of faculty: Mr. Jayanta Biswas

List of Publications:


Seminar Attended

3. One day workshop titled, “Diabetes Awarness and Screening”, on 11.02.2013, organized by BarasatSaharAdhyapak-O-GabesakSamity at West Bengal State University.

Name of the faculty: Dr. Indranath Bhattacharyya

List of Publications:

1. I. Bhattacharyya, Neutrino mass generation in the SO(4) mode, Communication in Theoretical Physics 54, 310 (2010)

Paper Presentations

2. The possibility of the existence of superluminal neutrinos: A theoretical framework, Emerging Trends in Applied Mathematics organized by Department of Applied Mathematics, University of Calcutta (12 – 14 February 2014)

Refresher Course attended

Refresher Course in Recent Advances in Mathematics for Applied Sciences organized by UGC – Academic Staff College, Department of Mathematics, Jadavpur University (25 October – 11 November 2010)
Name of the faculty: Dr. Shobhan Mandal

List of Publications:

ISBN: 978-981-4366-30-4 (hardcover)

ISSN: 1513-489X

ISSN: 0974-5084

ISSN: 0129-2021

ISSN: 1307-5543

ISSN: 1307-5543

Seminars/Conferences attended:

1. **On Uniformly Strongly Prime Ternary semirings**  
   *International Conference on Groupoids, Semigroups and Automata, University of Kerala, August, 2010*

2. **Recent Trends in Mathematics and its Application**  
   *Department of Pure Mathematics, University of Calcutta, Kolkata, March 22, 2013*

3. **Some Topics of Algebra and Analysis**  
   *Department of Mathematics, Lady Brabourne College, Kolkata, May 30, 2012*

4. **National Seminar on Mathematics and its Application**  
   *Department of Pure Mathematics, University of Calcutta, Kolkata, February 22-23, 2011*

5. **Computational Commutative Algebra**  
   *Advanced Instructional School organized by IISER, Pune, December 13-31, 2010*
9. DEPARTMENT OF PHYSICS

1. Research activities of the existing full time and guest faculty.

A) Year wise impact factor gained by full time faculty members of physics Department for the period. Also the number of papers indexed in SCOPUS is given per year basis.

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B) Details of research publications and other academic activities of the full time faculty. All publications, the impact factor of which are quoted within bracket are in international journals.

**Name of the faculty: Prof. Pradip Mukherjee**

**List of publications:**

7. **PradipMukherjee**,"Poincare gauge theory from higher derivative matter lagrangean"; Class.Quant.Grav.27 (2010) 215008. *(Impact factor 3.168)*

**Name of the faculty: Dr. Sankar Mandal**

**List of Publications:**


**Books Published:**

**Sankar Mandal**, “An introduction to physical optics.” Teachers Book Agency, Kolkata, 2011
Name of the faculty: Dr. Somnath Bhattacharya

Seminar/workshop attended

1. Workshop on BDP meth, at NSOU (20\textsuperscript{th} March, 2012).

Publication


Name of the faculty: Dr. Dhananjoy Roy

Publications


Name of the faculty: Dr. Mina Mazumdar

List of Publications:


Name of the faculty: Dr. Srijit Bhattacharya

List of Publications:


Publication of book chapter


Seminar/workshop attended

1. Outreach programme in Nucleosynthesis organized by Saha Institute of Nuclear Physics Kolkata in 2010.
2. West Bengal State Science Congress in 2010 held at Kolkata.
3. Workshop on “Nuclear structure & decay data” held at VECC, Kolkata in 2012.

Name of the faculty: Dr. Jyotirmoy Maiti

List of Publications:


**Name of the faculty: Dr. Amit Singha Roy**

**List of Publications:**


**Name of the faculty: Dr. Sutapa Ghosh**

**Publications:**


**Name of the guest faculty: Dr. Debopriyo Syam, (Retired from this department in 2013)**

**List of Publications:**


5. Arup Roy and Debapriyo Syam, ”Eastward deflection of a particle dropped from a height – Description from the inertial frame of reference”; Physics Teacher, Vol.52 Nos. 3 & 4(2011)

Guidence of students’ projects

<table>
<thead>
<tr>
<th>Department</th>
<th>Year</th>
<th>Name of Student</th>
<th>Title of project</th>
<th>Supervising Faculty</th>
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<tr>
<td>Physics</td>
<td>2014</td>
<td>Rahul Ghosh</td>
<td>Probing Atoms by Scanning Tunnelling Microscope</td>
<td>Sankar Mandal</td>
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<td>Physics</td>
<td>2015</td>
<td>Alamgir</td>
<td>Preparation and study of the nano materials</td>
<td>Sankar Mandal</td>
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<td>Physics</td>
<td>2014</td>
<td>Reet Chanda</td>
<td>Action Principles: the role of the boundary terms</td>
<td>Pradip Mukherjee</td>
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<td>Physics</td>
<td>2015</td>
<td>Souvik Das</td>
<td>The Mysterious behaviours of the Abraham Lorentz equation</td>
<td>Pradip Mukherjee</td>
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<td>Physics</td>
<td>2015</td>
<td>Soumik Aon</td>
<td>Dynamical system analysis of the quintessence dark energy model</td>
<td>Pradip Mukherjee</td>
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<td>Physics</td>
<td>2015</td>
<td>Joni Islam</td>
<td>Dynamical system analysis of ghost condensate dark energy model revisited</td>
<td>Pradip Mukherjee</td>
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<td>Physics</td>
<td>2014</td>
<td>Jayanta Bhattacharya</td>
<td>Relativistic particle model revisited</td>
<td>Pradip Mukherjee</td>
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<td>Physics</td>
<td>2015</td>
<td>Koushik Jana</td>
<td>Unity in different formulations of Quantum Mechanics: A Study taking the simple harmonic oscillator as an example.</td>
<td>Pradip Mukherjee</td>
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<td>Physics</td>
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<td>Atanu Kabiraj</td>
<td>Chaos in electronic circuit</td>
<td>Dr. Srijit Bhattacharya</td>
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<td>Chaos in diode</td>
<td>Dr. Srijit Bhattacharya</td>
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<td>Physics</td>
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<td>Sandipan Majumder</td>
<td>Investigation of the origin of sound from bubble rupture in boiling water</td>
<td>Dr. Srijit Bhattacharya</td>
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<td>Sougata Basu</td>
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<td>Study of input frequency and amplitude dependence of the chaotic behaviour of a nonlinear circuit exhibiting Duffing-Holmes differential equation and measurement of Feigenbaum Constant in Duffing nonlinear equation</td>
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<td>Debdyuti Halder</td>
<td>2013</td>
<td>Study of input frequency and amplitude dependence of the chaotic behaviour of a nonlinear circuit exhibiting Duffing-Holmes differential equation &amp; Study of simplest R-L-D circuit to exhibit chaos in lab and measurement of Feigenbaum Constant in Duffing nonlinear equation</td>
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<td>Shilpi Bag</td>
<td>2014</td>
<td>Superconductivity &amp; Its switching application</td>
<td>Dr. Dhananjoy Roy</td>
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<td>Sayani Majumdar</td>
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<td>Bijan Haldar</td>
<td>2015</td>
<td>Solar Cell: Management of Power and Pollution</td>
<td>Dr. Dhananjoy Roy</td>
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<td>Abu Sufian Mondal(APC College)</td>
<td>2013</td>
<td>Enthalpy: Importance in Relativistic Thermodynamics</td>
<td>Dr. Somnath Bhattacharya</td>
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<td>Sk. Nasibul Haque(APC College)</td>
<td>2013</td>
<td>Relativistic Statistical Mechanics and Black Body Radiation</td>
<td>Dr. Somnath Bhattacharya</td>
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<td>Sukhendu Jana</td>
<td>2014</td>
<td>A Numerical Study on Oscillation: Scopes and Difficulties</td>
<td>Dr. Somnath Bhattacharya</td>
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<td>Subhankar Roy</td>
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<td>Ingredients of Chaotic System: A nonlinear oscillation approach</td>
<td>Dr. Somnath Bhattacharya</td>
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<td>Santu Dey</td>
<td>2015</td>
<td>A Study of mathematical models: Route to Chaos</td>
<td>Dr. Somnath Bhattacharya</td>
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<td>Didanta Chakraborty</td>
<td>2015</td>
<td>A Study Of Realistic Projectile Motions</td>
<td>Dr. Somnath Bhattacharya</td>
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<td>Masadul Islam</td>
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<td>Qualitative study of perfect fluid FLRW models with cosmological constant</td>
<td>Amit Singha Roy</td>
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<td>Sourav Das</td>
<td>2015</td>
<td>Dynamical system approach to study quintessence model of dark energy</td>
<td>Amit Singha Roy</td>
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</table>
10. DEPARTMENT OF PHILOSOPHY

Name of the faculty: Mrs. Arpita Neogi Sengupta

Seminar attended

- One-day Workshop on “Aristotle’s Ethics” organized by Department of Philosophy, University of Calcutta on 22nd February, 2010.
- National-level seminar on ‘Development of Logic: Indian and Western’ organized by Ramkrishna Mission Vidyamandir on 1st and 2nd February, 2011.
- Organising Secretary, National level seminar on “Visibility /Invisibility: An Enquiry into the conditions of Women in India” on 21st and 22nd February.
- ICPR-sponsored State-level seminar on” Knowledge and Truth” organized by the Department of Philosophy, West Bengal State University on 19th November, 2013.
- National level seminar on Language, Communication and Society on 19th December, 2014 organized by West Bengal State University in collaboration with ICPR.
- National level seminar on “Dalit Epistemology and Feminism” organized by Jadavpur University in collaboration with ICPR on 26th February, 2015.

Publications


Name of the faculty: Mr. Mrinal Kanti Sarkar

Seminar/Workshop attended/Paper presentation

1. Attended a seminar on Women empowerment in 2010.


6. Participated in a workshop on Three years UG syllabus - revision organized by West Bengal State University in 2011.


**Publication of Books and Articles**


**Name of the faculty: Dr. Madhumita Chatterjee**

**Seminar Attended/Paper Presented**

1. Attended a National-level seminar on “Woman and literature: Different Faces, Different Voices” organized by Barasat Govt. college, 16th and 17th January, 2012.


3. National level seminar on “Dalit Epistemology and Feminism” organized by Jadavpur University in collaboration with ICPR on 26th February, 2015.


List of Publications:


2. ‘Man and nature relationship from the perspective of Traditional Hindu Wisdom’ in Aureole, Barasat Government College, 2015. ISSN-0976-9625.

Name of the faculty: Mrs. Debashree Dutta

Seminar Attended

1. Attended a National-level seminar on “Woman and literature: Different Faces, Different Voices” organized by Barasat Govt. college, 16th and 17th January, 2012.

2. A special lecture on Buddhist Theory of No-self by Mark Siderits organized by Department of Philosophy, Jadavpur University, 23rd November, 2013.


Publication

11. DEPARTMENT OF POLITICAL SCIENCE

Name of the faculty: Mr. Ranjan Kumar Ray

Publication of Books


List of Publication of Articles:


**Seminars/Conferences Attended**

1. UGC-sponsored National Seminar on Indian Administration and Politics, organized by Dept. of Political Science and Islamic History, Maulana Azad College, in 2010.
2. UGC-sponsored National Seminar on Gender Studies, organized by Dept. of Political Science, History and Philosophy, Maulana Azad College, in 2011.
3. UGC-sponsored National Seminar on Marginal Voices in Indian History, organized by Asiatic Society, Calcutta, in 2012.
4. UGC-sponsored National Seminar on State and Society in India, organized by Dept. of Political Science and History, Serampore College, in 2012.
6. All India Political Science Conference 2011, Lucknow, organized by Institute of Public Administration, University of Lucknow.
7. All India Political Science Conference 2013, Hyderabad, organized by University of Hyderabad.
8. All India Sociological Conference 2014, Varanasi, organized by Mahatma Gandhi Kashi Vidyapith.

**Name of the faculty: Ms. Sreemoyee Ghosh**

**Seminar/Conference attended/Paper Presentation**

2. Participated in UGC-sponsored International Seminar on *Globalization, Capitalist Crisis and Inclusive Development: Myths and Reality*, organized by Departments of Economics,
Political Science and Sociology of Lady Brabourne College on 22\textsuperscript{nd} and 23\textsuperscript{rd} December, 2009.

3. Participated in UGC-sponsored National seminar on Administration & Politics in Medieval India: Concept of Kingship and Responsibilities of Muslim Rulers, organized by Maulana Azad College on 12\textsuperscript{th} January, 2010.

4. Presented a paper entitled, Environment and The Right to Life of the People in India in UGC-sponsored National Seminar on Industrialization and Environment Protection-Challenges Before the 21\textsuperscript{st} Century, organized by the Department of Business Administration of Bidhan Chandra College, Asansol on 17\textsuperscript{th} and 18\textsuperscript{th} March, 2010.

5. Presented a paper entitled, The Politics of Liberalization in India: Role of the State in Organised Industrial Informality in Durgapur in UGC-sponsored Seminar on Emerging Issues in the Indian Economy, organized by the Department of Economics, Rabindra Bharati University on 25\textsuperscript{th} and 26\textsuperscript{th} March, 2010.

6. Participated in UGC-sponsored national seminar on Visibility/Invisibility: An Enquiry into the Conditions of Women in India, organized by Maulana Azad College on 21\textsuperscript{st} and 22\textsuperscript{nd} February, 2011.

7. Participated in UGC-sponsored national conference on Women and Spaces: Engendering and Regendering Identities, organized by Departments of English, Economics and History of Vidyasagar Evening College in collaboration with Ramakrishna Mission Institute of Culture, Golpark on 29\textsuperscript{th} and 30\textsuperscript{th} August, 2011.

8. Participated in UGC-sponsored national seminar on The Future of Multiculturalism: A Review of Contemporary Indian and American Literature and Politics, organized by Women’s College, Calcutta in collaboration with ICCR on 29\textsuperscript{th} and 30\textsuperscript{th} August, 2012.


10. Participated in a national seminar on Development, Democracy and Non-State Actors under UGC-DRS Programme, organized by Department of Political Science, University of Calcutta on 8\textsuperscript{th} March, 2013.

Policy and Management, Infrastructure: Hard and soft, organized by Indian Institute of Management, Bangalore from 12th to 14th August, 2013.


13. Presented a paper entitled, A Probe into Activism of Paschim Banga Ganatantrik Mahila Samity for Informal Women Workers in Durgapur in XIV National Conference on Women’s Studies- Equality, Pluralism and the State: Perspectives from the Women’s Movement, organized by Indian Association for Women’s Studies from 4th to 7th February, 2014.


List of Publications:


4. “Antarjatik Rajnititey Anchalik Sanghathan” and (co-authored with Puroshottam Bhattacharya and Anindya Batabyal) “Bharater Bideshniti” in Puroshottam Bhattacharya


**Name of the faculty: Mr. Kinshuk Nandi**

**Publication/Newspaper Articles**

1. Are labour laws of India leading to growth of contractual labour? Capturing the theoretical debates; in “Aureole – An Academic Journal” (ISSN- 0976-9625), 2014 Vol. 5(No.2).


**Seminars/Workshops Attended**


2. UGC-sponsored National-level seminar on “Women and Literature: Different Faces, Different Voices “on 16th and 17th January, 2012 organized by Barasat Government College in collaboration with School of Women's Studies, Jadavpur University.
3. UGC-CAS 1 National Seminar on Asian Regionalism in the 21st Century, organized by the Department of International Relations, Jadavpur University on 07.02.2012.

4. Workshop for discussion and finalization of set of model questions for the Part-I (new syllabus) Honours and General courses of Political Science, organized by West Bengal State University on 05.05.2012.

5. 15th Annual Conference of West Bengal Political Science Association, held at Lady Brabourne College on 29th-30th March, 2014.

6. State level workshop on Youth Parliament Competition and Quiz Contest for the year 2014-15, conducted by department of Parliamentary Affairs, Government of West Bengal; held on 24.07.2014 at West Bengal Legislative Assembly House.

**Name of the faculty: Dr. Gouri Sankar Nag, (Transferred in 2013)**

**Seminar Attended:**


**List of Publications:**

**Journals:**


**Books:**


**Name of the faculty: Mukut Basu, part-time teacher**

**Publication:**


**Name of the faculty: Channamma Mondal, part-time teacher, (Appointed as Assistant Professor, Bankura University in May 2015)**

**Seminar Attended:**

1. Participated in UGC-UPE II National Seminar on “Post-Liberal Societies: Utopia, Illusion or Reality?”, organised by the School of International Relations and Strategic Studies, Jadavpur University on March 20-21, 2014.

2. Participated in the Student’s Seminar on “India’s Foreign Policy” on 10\textsuperscript{th} September, 2009, organised by The Jadavpur Association of International Relations.
12. DEPARTMENT OF SANSKRIT

Name of the faculty: Dr. Antara Banerjee (Transferred in June, 2015)

Attended Seminar/Conference/ Workshop/Coursework:
1. Rabindranath o samakalinprasanga, Bidhannagar Govt College, Feb 9-10, 2012
3. Technologies of revolution, A state level seminar by BGC, 4-5 March, 2010

List of Publications (articles/Books/edited volumes):
1. Chithipotreswamiji, Aksarmala, April 2014
2. Umahaimavatiupakhyan, Aksarmala, Oct. 2013
3. Nahamatanahakanyanaha etc, Seminar proceedings, Hooghly Mohsin College, Aug 2014
4. Atitbilasshrutibilias etc, Kalyan, Nov 2014
6. Chaksusergalpa, Anya nari, Dec 2011
7. Sriramakrisna o bishistadvaitabad, Centenary volume, 2012, RKMV and Ramkrisna mission institute of culture, Gol park

Name of the faculty: Mr. Tamonash Chakraborty

Attended Seminar/Conference/ Workshop/Coursework:
1. R.B.U Indian Intellectual Traditions, on 5th and 6th of February 2015,
3. Workshop on Dimensions of Truth on 17, 18, 24, and 25 of August 2013
4. R.B.U, Simile in Sanskrit literature. 21/12/2012.
Publications of articles/Books/edited volumes:


Name of the faculty: Ms. Poulomi Saha
She has attended the International Seminar on ‘characterization of women in Sanskrit Works’on Feb25-27, 2015 in CU.

Name of the faculty: Mrs Debasree Sadhu (part-time)

Attended following Seminar/Conference/ Workshop/Coursework
1. National seminar on Paninian school of grammar, RKMV, Feb2 011
3. Technologies of revolution, a state level seminar by BGC, 4-5 March, 2010
4. National seminar in Satyapriya Roy College of Education, Jan 2010
5. A seminar in Quality council of India, 18.7.2009

List of Publications:
1. Philosophical similies of Kalidasa, in Anviksa, March2014
3. Athabrihannala itibritta, Damini, March2014

Name of the faculty: Mr. Gouranga Aich (part-time)

Seminar/Conference/ Workshop/Coursework attended:
1. International seminar on architecture and sculpture in ancient India, Jan.7-8, Department of Sanskrit, Jadavpur University.
2. National seminar on Indian Philosophical system, 2.2.10, J.U, Department of Sanskrit

List of Publications:
13. DEPARTMENT OF ZOOLOGY

Name of the faculty: Dr. Madhumita Manna

Papers Presented (International Conferences):


2. Invited speaker for ‘Third International Conference on Neglected Tropical Diseases (NTD)’ on September 1-2, 2012 in Filaria & General Hospital, Zinzira, Savar, Dhaka, Bangladesh organized by Institute of Allergy and Clinical Immunology of Bangladesh (IACIB).


Papers Presented (National Conferences):

1. Molecular Epidemiology of Indian Kala-azar. 16th All India Cytology and genetics Conference held at University of Kerala, Trivandrum, 22-24 October, 2013[Invited speaker]

2. Supriya Khanra, Rupkatha Mukherjee, Syamal Roy, Madhumita Manna. 16th All India Cytology and genetics Conference held at University of Kerala, Trivandrum, 22-24 October, 2013


International workshop attended:

1. International Training in Global Infectious Diseases (GID), a US-India Joint Research Programme Workshop on Advanced Technologies and Research Proposal Development held at Jawaharlal Nehru University, New Delhi from 31st January to 5th February, 2011.

List of Publications:

1. Therapy with radio-attenuated vaccine in experimental murine visceral leishmaniasis showed enhanced T cell and iNOS levels, suppressed TGF- β production with higher expression of some signaling molecules. Sanchita data, Syamal Roy and Madhumita Manna. Brazilian Journal of Infectious Diseases (Elsevier), 2015. (Impact factor 1.096).


10. Analysis of Lactate Dehydrogenase and Malate Dehydrogenase enzyme profiles of some Indian major carps of East Calcutta Wetland by Cellulose Acetate
Electrophoresis. Madhumita Manna and Priyanka Chakraborty. *Journal of Environmental Biology*, 33 (4), 2012. [ISSN no. 0254-8704] [Impact factor 0.68]


**Convenership / Memebership For International/ National Conference**

- **CONVENERSHIP:** Acted as Joint Convener in UGC sponsored National Seminar on Stress, Drug Development and Nanotechnology. March 05-06, 2009, organized by Dept. of Botany, Chemistry & Zoology, Bethune College, Kolkata
- **RAPPERTEUR:** 22nd National Congress of Parasitology on Advances in Parasitology. October 30-November 1, 2010
- **MEMBER:** Organising Committee, International Conference on ‘100 years of Antimonials’ to be held on November, 2012 at Indian Institute of Chemical Biology, Kolkata
  - Submitted many ITS-1 sequences of rDNA gene in NCBI, NIH, USA namely:

**GEN BANK SUBMISSION AND ACCESSION:**

- JQ229828 [submitted in NCBI, ITS-1 sequence of one clinical isolate of Kala-azar, T5 which is *Leishmania tropica*]
- JQ517279 [ITS-1 sequence of K27, WHO reference strain for *L. tropica*]

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RECENT ACHIEVEMENTS:

- Our work on molecular typing of clinical isolates of Indian Kala-azar has been awarded second best poster prize in 15th All India Congress on Cytology & Genetics.

**Chapters in Book:** 4 chapters in subject book of PG course in Netaji Subhas Open University.

**Name of the faculty:** Dr. Debajyoti Chakrabarty

**Papers Presented at Conference/ Seminar:**

4. UGC-DEB Sponsored National Seminar on Understanding Hazards and their Mitigation Options. 28-29 March 2014.

**List of Publications:**


**Name of the faculty: Dr. Tuhin Kumar Saha**

**Papers Presented at Conference/Seminar:**

1. UGC Sponsored National Seminar on “Rediscovering 100 Years of Journey on the Field of Immunology: Present Status of Immunological Research in India”, organized by the PG Department of Zoology, Barasat Government College and West Bengal State University; September 19th-20th, 2011

**Workshop attended:**

1. Attended and participated in workshop on “Orientation and training in Ecological studies and Documentation of Biodiversity” organized by West Bengal State University in November, 2011.

**Name of the faculty: Dr. Sanjoy Podder**

**Paper Presented (National Conference):**

1. Immediate hypersensitivity to house dust and house dust mites among kolkata population, India. Barasat Govt. College (2011)

**Paper Presented (International Conference):**


**List of Publications:**


**Name of the faculty: Dr. Tanaya De**

**Paper Presented at Conference/ Seminar:**

2. National Seminar on “Molecular Aspects of Human Diseases” organized by Department of Zoology, University of Calcutta, in the topic “A compound showing preliminary preventive effect on osteoclast maturation indicating a potential for management of osteoporosis” January 31, 2015 (presented work)
3. “Fifth International Conference on Plants and Environmental Pollution”, organized by International Society of Environmental Botanists & CSIR-National Botanical Research Institute, in the topic “Visual Pollution in an Urban and Suburban set up with Special Reference to Cables/Wires”, February, 24-27, 2015 (presented work)
4. International Seminar (2nd Global Academic Meeting – GAM 2015) on “Multi-disciplinary Approach towards Globalization, Climatic Change, Disaster Mitigation, Governance and Human Wellbeing” organized by Disaster Research Programme (DRP), Transdisciplinary Research Clusters (TRC), Jawaharlal Nehru University, New Delhi in collaboration with the European Scientific Institute (ESI) in the topic, “Visual Pollution Can Have A Deep Degrading Effect On Urban And Sub-Urban Community: A Study In Few Places Of Bengal, India, With Special Reference To Unorganized Billboards” (presented work)

**List of Publication:**

1. Milan Kumar Jana and Tanaya De, 2nd Global Academic Meeting, GAM 2015, 1-4 April, New Delhi, India, Proceedings. Pg 1-14 (Paper published from Project work in M.Sc)
2. Tanaya De, Autoimmunity, the strange predicament: its therapy leads to secondary osteoporosis, Acad. J. Aureole 5 (No-1) 2014, B.G.C. Pg 9-12
3. Milan Kumar Jana and Tanaya De, Visual pollution can have a deep degrading effect on urban and suburban Community: a study in few places of Bengal, India, with special reference to unorganized billboards, European Scientific Journal June 2015 /SPECIAL/ edition ISSN: 1857 – 7881 (Print) e - ISSN 1857- 7431. Pg 1-14 (Paper published from Project work in M.Sc)

**Workshop attended:**

1. 2nd National Workshop for College Teachers on “Application of Flow Cytometry, Cell Sorting & Imaging in Biological Research” organized by CRNN, University of Calcutta and BD Biosciences and University of Calcutta, Kolkata from 18.02.12 to 24.02.12.
Name of the faculty: Dr. Srikanta Guria

**Paper Presented at Conference/ Seminar:**

1. UGC sponsored National Seminar on “Cutting Edge Technologies & Frontier Areas of Research in Zoology” organized by Department of Zoology, Ramakrishna Mission Vivekananda Centenary College, Rahara, in collaboration with Department of Zoology, Panihati Mahavidyalaya, on 07 September, 2013
3. UGC-merged scheme (UGC-SAP & DST-FIST assisted) National Symposium on “Man, Animal And Environment Interaction in The Perspective of Modern Research” organized by Department of Zoology, University of North Bengal on March 08-09, 2013
5. UGC sponsored National Conference on “Biodiversity: Interrelationship between Flora, Fauna and Human” organized by MrinaliniDattaMahavidyapith, Departments of Anthropology, Botany & Zoology in collaboration with Department of Anthropology, West Bengal State University, Barasat on 29th & 30th September, 2013
6. UGC sponsored National Seminar on “Biodiversity and its Management for Food, Livelihood & Environmental security” organized by 24th All India Congress of Zoology & National Helminthological Congress at University of Kalyani on 23rd-25th Nov, 2013
8. DBT sponsored National Seminar on “Molecular Aspect Of Human Diseases” organized by Department of Zoology, University of Calcutta on 31st Jan.2015

**Workshop attended:**


2. Self-financing State-level Workshop on “Advances application of Recombinant DNA technology” organized by SHRM Biotechnologies Pvt. Ltd. Kolkata-700155 with 10 days during from 14 Jan 2012
List of publications:


**Articles published in Books by Srikanta Guria (3 chapters, 9 articles)**

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<tr>
<td>1. Thyroid hormone mediated maintenance of glucose homeostasis and cytomorphology of cardiac muscle and skin in rat.</td>
<td>Animal Science &amp; Issues, Edited by Jacob M. Jaworski Nova Sc. Publisher Int. chapter 1 (one article)</td>
<td>ISBN-10: 1617618705</td>
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<td>2. Thyroid Deregulation Causes Cellular Damage in Pancreatic Islets and Spleen in Rat.</td>
<td>Vertebrate and Invertebrate Animal Approaches, Jose Rosa Gomes Nova Sc. Publisher chapter 2 (eight articles)</td>
<td>ISBN:978-1-63117-103-1</td>
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<td>3. Hypothyroidism causes cellular damage retinal tissue and biceps in rat</td>
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<td>4. Methimazole Induced Hypothyroidism Modulates Cytomorphology of Skin Epidermis and Collagen Synthesis in Rat</td>
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<td>6. Phagocytosis of yeast particles by peritoneal macrophage in normal and hyperthyroid rat.</td>
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<td>7. Pulmonary Involvement of Arsenic Poisoning and Effect of Arsenic Toxicity on Peritoneal Macrophages and Spleen Cells in Rat.</td>
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<td>8. Study of cytomorphology of pancreatic islets and peritoneal macrophage in alloxan induced diabetic rat: a mechanistic insight</td>
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<td>9. Clinical Spectrum of Hypothyroidism in West Bengal, India.</td>
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Name of the faculty: Dr. Debjani Sarkar

Paper presented at Conference/ Seminar:

1. UGC Sponsored National Seminar on “Rediscovering 100 Years of Journey on the Field of Immunology: Present Status of Immunological Research in India”, organized by the PG Department of Zoology, Barasat Government College and West Bengal State University; September 19th-20th, 2011

List of Publications:


Name of the faculty: Mr. Somaditya Dey

Paper Presented at Conference/ Seminar:

1. **Poster presentation** on, ‘Astrakurkurone, a novel triterpene isolated from Indian mushroom *Astraeus hygrometricus*, induces mitochondrial dysfunction and ROS dependent death in *Leishmania donovani*’ at National Seminar on “Molecular Aspects of Human Diseases” on 31 January 2015 organized by Department of Zoology, University of Calcutta.
3. **Poster presentation** on 1st **National Conference** on “Advanced Biology Through Technology and Computation” organized by Department of Microbiology, West Bengal State University & Kingston College of Science on 22nd of August 2014.

4. **Oral presentationand Poster presentation** on, ‘Astrakurkurone, a novel triterpene isolated from Indian mushroom *Astraeus hygrometricus*, induces mitochondrial dysfunction and ROS dependent death in *Leishmania donovani*’ at **International Conference** on "Molecular Biology and its Applications", on February 14th and 15th, 2014, by Department of Life Science and Biotechnology, Jadavpur University, Kolkata.

5. **Poster presentation** on, ‘Astrakurkurone, a novel triterpene isolated from Indian mushroom *Astraeus hygrometricus*, induces mitochondrial dysfunction and ROS dependent death in *Leishmania donovani*’ at **Symposium** on Frontiers in Modern Biology 2013, organized by Dept. of Biological Sciences, IISER-Kolkata; November 9th -10th 2013.

6. **National Conference** on CME in Immunology, organized by Dept. of Zoology, West Bengal State University, Barasat& Indian Immunology Society, New Delhi; November 4-5th 2011.

7. **UGC Sponsored National Seminar** on “Rediscovering 100 Years of Journey on the Field of Immunology: Present Status of Immunological Research in India”, organized by Barasat Government College & West Bengal State University; September 19-20th 2011.


**Workshop attended:**

1. **Training Course** on Clinical Flow Cytometry, organized by CRNN, University of Calcutta in association with BD Biosciences (India); June 11th – 13th 2013.

2. **International Workshop** on Application of Flow Cytometry and Imaging in Cell Biology and Nano-Biotechnology, organized by CRNN, University of Calcutta; August 11th-18th 2012.

3. **Training Programme** on, “Advanced Instrumental Techniques in Biochemistry, Molecular Biology &Immunobiology” at the Dept. of Zoology, University of North Bengal; October 11th - 16th, 2009.

**List of Publications:**


### Select Dissertations by PG students

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<td>Molecular diagnosis of leishmaniasis</td>
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<td>Present status of food-borne parasitic zoonoses in India</td>
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<td>Stress and its effect on immune system</td>
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<td>Phytotherapy against the Leishmania Parasites</td>
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<td>Culture, maintenance and acute toxicity testing of copper sulphate on the fresh water snail-Bellamya bengalensis</td>
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<td>Cancer immunotherapy</td>
<td>Juin Mondal</td>
<td>2013-14</td>
</tr>
<tr>
<td>Role of Macrophages in Atherosclerosis: Risk of Cardiac Arrest (Review)</td>
<td>Nabanita Majumder</td>
<td>2013-14</td>
</tr>
<tr>
<td>Traversal of pathogen through blood-brain barrier, insight mechanism</td>
<td></td>
<td>2013-14</td>
</tr>
<tr>
<td>Role of Macrophages in Alzheimer’s Disease (Review)</td>
<td>Madhurima Bose</td>
<td>2013-14</td>
</tr>
<tr>
<td>Invertebrate immunity</td>
<td></td>
<td>2013-14</td>
</tr>
<tr>
<td>Anthrax and bioterrorism</td>
<td>Arpita Kundu</td>
<td>2013-14</td>
</tr>
<tr>
<td>Sarcocystis- its morphology, lifecycle, pathogenicity and control.</td>
<td>Namita Nashkar.</td>
<td>2013-14</td>
</tr>
<tr>
<td>Poem syndrome, a rare autoimmune disease</td>
<td>Arpita Kundu</td>
<td>2013-14</td>
</tr>
<tr>
<td>Poultry coccidiosis</td>
<td>Namita Nashkar.</td>
<td>2013-14</td>
</tr>
<tr>
<td>How Ebv impairs recognition by CD8+ T cell?</td>
<td>Suman Karmakar</td>
<td>2014-15</td>
</tr>
<tr>
<td>Coccidiosis in poultry birds</td>
<td>Md. Sahariar Sardar</td>
<td>2014-15</td>
</tr>
<tr>
<td>Chromobacterium and its entomopathogenic activities in malaria and dengue infection</td>
<td>Suman Karmakar</td>
<td>2014-15</td>
</tr>
<tr>
<td>Immunity and vaccination against H1N1 virus</td>
<td>Anwesha Banerjee</td>
<td>2014-15</td>
</tr>
<tr>
<td>Myiasis in human and domestic animals</td>
<td>Sinjini Mukherjee</td>
<td>2014-15</td>
</tr>
<tr>
<td>Pathogenicity of Ebola virus</td>
<td></td>
<td>2014-15</td>
</tr>
<tr>
<td>Abundance and diversity of different necrophilous arthropods in fishes available in fish markets with reference to forensic entomology</td>
<td>Moumita Laha</td>
<td>2014-15</td>
</tr>
<tr>
<td>Diversity by ecology and management with bio-pesticides of insects and mites infesting pulps and oil seed crop</td>
<td>Moumita Laha</td>
<td>2014-15</td>
</tr>
<tr>
<td>Mites infesting fruit trees</td>
<td>Tanusree Ghoshal</td>
<td>2014-15</td>
</tr>
<tr>
<td>Biofuel production from algae</td>
<td></td>
<td>2014-15</td>
</tr>
<tr>
<td>Electric eels remotely control their prey</td>
<td>Indrani Adhya</td>
<td>2014-15</td>
</tr>
<tr>
<td>Insect Venom</td>
<td></td>
<td>2014-15</td>
</tr>
<tr>
<td>Insects as food</td>
<td>Sharmistha Banerjee</td>
<td>2014-15</td>
</tr>
<tr>
<td>Insect Associated Mite</td>
<td></td>
<td>2014-15</td>
</tr>
<tr>
<td>Assessment of Baculovirus as insecticide</td>
<td>Sujit Sarkar</td>
<td>2013-14</td>
</tr>
<tr>
<td>Pathogens and predators of ticks and there potential in biological control – A review</td>
<td>Subrata Mondal</td>
<td>2013-14</td>
</tr>
<tr>
<td>Age, Sex and disease(Parasitic)</td>
<td>Debjit Debnath</td>
<td>2013-14</td>
</tr>
<tr>
<td>Insulin dependent diabetes mellitus-An autoimmune diseases</td>
<td></td>
<td>2013-14</td>
</tr>
</tbody>
</table>
PART-H

ANNEXURE-2 TO 6:

ENCLOSURE OF VARIOUS CERTIFICATES

Certificate of Accreditation

The Executive Committee of the National Assessment and Accreditation Council on the recommendation of the duly appointed Peer Team is pleased to declare the Barasat Government College, Barasat, North 24 Parganas, Kolkata, affiliated to University of Calcutta, West Bengal as Accredited with CGPA of 2.60 on four point scale at B grade valid up to September 29, 2014

Date: September 30, 2009

Director

[Certificate Image]
Annexure-3: Latest Certificate for UGC Recognition of College under section 2(f) and 12(B) of UGC Act

Ph. 23236351, 23232701, 23237721
23234116, 23235733, 23232317
23236735, 23239437, 23239627

Extension No. 413 (CPP-I Colleges)
UGC Website: www.ugc.ac.in

F. No. 1-1/2004 (CPP-I/C)

April, 2012

The Principal,
Barasat Govt. College,
Barasat,
Dist. North Twenty Four Parganas,
West Bengal – 700 124.

Sub: - Recognition of Barasat Govt. College, Barasat, Dist. North Twenty Four Parganas, West Bengal – 700 124 under Section 2 (f) & 12 (B) of the UGC Act, 1956.

Sir,

With reference to your letter No. 75 dated 02.02.2012 on the above subject I am directed to say that the name of Barasat Govt. College, Barasat, Dist. North Twenty Four Parganas, West Bengal – 700 124, established in the year of 1950, affiliated to University of Calcutta is included in the list of Colleges maintained under Section 2 (f) & 12 (B) of the UGC Act, 1956 under the head ‘Government College teaching upto Under-Graduate Degree’. The College is also eligible to receive Central assistance under Section 12 (B) of the UGC Act.

Yours faithfully,

(Sunita Gulati)
Section Officer
Annexure-4: Latest UGC Grant Certificate

UNIVERSITY GRANTS COMMISSION
EASTERN REGIONAL OFFICE
LB 8 Sector III Salt Lake, Kolkata 700 098

No. AGW-807/11-12  (ERO) ID No. WBS-039  Date: 13-Oct-14
The Accounts Officer  
University Grants Commission  
Eastern Regional Office, Kolkata 700 098

Sub: Release of Grant-in-Aid during the current financial year (2014-15), during XIIth Plan, to Barasat Govt College

Sirs/Madam,

I am directed to convey the sanction of the Commission for payment of Rs. 1000000 towards the scheme Additional Grant (Equipment) for the Plan expenditure to be incurred during the current financial year as per details given below:

<table>
<thead>
<tr>
<th>Purpose of the grant</th>
<th>Approved Allocation</th>
<th>Amount already sanctioned</th>
<th>Amount being sanctioned now</th>
<th>Total Grant including the grant now being sanctioned</th>
</tr>
</thead>
<tbody>
<tr>
<td>General District 2nd Installment</td>
<td>(Rs.)</td>
<td>(Rs.)</td>
<td>(Rs.)</td>
<td>(Rs.)</td>
</tr>
<tr>
<td>Additional Grant (Equipment)</td>
<td>2500000</td>
<td>1250000</td>
<td>1000000</td>
<td>2250000</td>
</tr>
</tbody>
</table>

Total 1000000

The College is requested to note:

A. SC component: 16%, ST component: 7.5%, General component (including Minorities): 77.5%
B. No photocopy of bills/vouchers of the originals and detailed list of purchases should be sent with the accounts submitted unless specifically called for.

2. The sanctioned amount is debitable to Head 1.B-(i)(I) and valid for payment during the financial year 2013-14 only.
3. The amount of the grant shall be drawn by the Accounts Officer (Drawing and Disbursing Officer), University Grants Commission on the Grant-in-Aid bill and shall be disbursed to and credited to grantee as above through Electronic mode as per the following details:
   (a) Designation/Name & Address of Account Holder:
       Principal, Barasat Govt College
       Barasat 24 Parganas (N)
       West Bengal 700 124
   (b) Account No.: 11216769935
   (c) Name & Address of Branch: State Bank of India, Barasat, Kol-124
   (d) MICR Code of Branch: 700002184
   (e) IFSC Code: SBIN0000024
   (f) Type of Account: SB/Currency/Cash Credit

You are requested to confirm the receipt of the above amount in your account by sending back the enclosed stamped receipt within 7 days.

4. The grant is subject to the adjustment on the basis of Utilisation Certificate in the prescribed proforma submitted by the University/College/Institution.
5. The University/College shall maintain proper accounts of the expenditure out of the grant which shall be utilised only on approved items of expenditure.
6. The University/Institution may follow the General Financial Rules, 2005 and take urgent necessary action to amend their manuals of financial procedures to bring them in conformity with GFRs, 2005 and those don't have their own approved manuals on financial procedures may adopt the provisions of GFRs, 2005 and instructions/Guidelines there under from time to time.
7. The Utilisation Certificate to the effect that the grant has been utilised for the purpose for which it has been sanctioned shall be furnished to the University Grants Commission as early as possible after the closing of the current financial year.
8. The assets acquired wholly or substantially out of the University Grants Commission's grant shall not be disposed of or encumbered or utilised for the purpose other than those for which the grant was given, without proper sanction of the University Grants Commission.
9. A register of assets acquired, wholly or substantially out of the grant shall be maintained by the University/College in the prescribed form.
10. The grantee institution shall ensure the utilization of grant-in-aid for which it is being sanctioned/paid. In case of non-utilization/partial utilization, the simple interest @10% per annum as amended from time to time on unutilized amount from the date of drawal to the date of refund as per provisions contained in General Financial Rules of Govt. of India will be charged.

11. The University/College shall strictly follow the Government of India/UGC’s guidelines regarding implementation of the reservation policy (both vertical [for SC,ST,Physically Challenged] and horizontal [for persons with disability etc.] in teaching and non-teaching posts.

12. The University/College shall fully implement the Official Language Policy of the Union Govt. and comply with the Official Language Act, 1963 and Official Languages (used for official purposes of the Union) Rules, 1976 etc.


14. The University/Institutions shall strictly follow the UGC Regulations on curbing the menace of Ragging in Higher Education Institute, 2008

15. The University/Institutions shall take immediate action for its accreditation by National Assessment & Accreditation Council (NAAC).

16. The accounts of the University/Institutes will be open for audit by the Controller & Auditor General of India in accordance with the provisions of General Financial Rules, 2005.

17. The annual accounts i.e. balance sheet, income and expenditure statement and receipts and payments are to be prepared strictly in accordance with the Uniform Format of Accounting prescribed by Government.

18. Funds to the extent of Rs. ___________ are available under this scheme

19. This issue with the concurrence of UGC vide Diary No. ___________ (UGC) dated ___________.

20. This issue with the approval of ___________ vide Diary No. ___________ dated ___________.

Yours faithfully,

(Dr. Mohammad Anif)
Joint Secretary

---

Copy forwarded for information and necessary action to:

1. Principal/Teacher-in-Charge,
   Barasat Govt College
   Barasat 24 Parganas (N)
   West Bengal 700 124
   He/She is requested to abide by these instructions/Guidelines of sanction order

2. Registrar/Director, Co-ordinator, College Development Council, WBB State University

3. Auditor General, Govt. of West Bengal

4. The Secretary, Higher Education, Govt. of West Bengal

5. The Director of Public Instructions (Higher Education) Govt. of West Bengal

6. General District

Details of the amount being released:

General component [3A]: Rs. ___________
SC component [3B]: Rs. ___________
ST component [3C]: Rs. ___________
TOTAL: ___________

(Avinash Singh)
Under Secretary
Annexure-5: Certificate of Affiliation from WBSU

WEST BENGAL STATE UNIVERSITY
Berununpukuria, Malikapur Barasat
24 Parganas (North), Kolkata - 700 126
Phone : (033) 2524 1975 / 1976 / 1978 / 1979 Fax : (033) 2524 1977

Ref No : .../Reg/University/Affiliation/Certificate/14/15
Date : 12/03/2015

TO WHOM IT MAY CONCERN

This is to certify that Barasat Government College, of the address 10 KNC Road, Barasat, Kolkata-700124 is affiliated to West Bengal State University since the inception of the University and is recognized by the University Grants Commission. The following Courses/Subjects are taught in the said College as per approval.

<table>
<thead>
<tr>
<th>Sl No.</th>
<th>Name of the Course(s) and Duration</th>
<th>Affiliation</th>
<th>Period of Validity</th>
</tr>
</thead>
<tbody>
<tr>
<td>(I)</td>
<td>Three Year B.A. Hons. Courses in Bengali, English, History, Philosophy, Political Science, Sanskrit.</td>
<td>Permanent</td>
<td>______</td>
</tr>
<tr>
<td>(II)</td>
<td>Three Year B.Sc. Hons. Courses in Physics, Chemistry, Mathematics, Botany, Zoology, Geography, Economics.</td>
<td>Permanent</td>
<td>______</td>
</tr>
<tr>
<td>(III)</td>
<td>Two Year (Four semesters) M.A. course in Bengali</td>
<td>Permanent</td>
<td>______</td>
</tr>
<tr>
<td>(IV)</td>
<td>Two Year (Four semesters) M.Sc. courses in Physics, Botany, Zoology.</td>
<td>Permanent</td>
<td>______</td>
</tr>
<tr>
<td>(V)</td>
<td>Three Year B.A. General Course</td>
<td>Permanent</td>
<td>______</td>
</tr>
<tr>
<td>(VI)</td>
<td>Three Year B.Sc. General Course</td>
<td>Permanent</td>
<td>______</td>
</tr>
</tbody>
</table>

Registrar
P.C. Bhattacharya
12/03/2015

Registrar (Officiating)
West Bengal State University
Barasat, Kolkata - 700 126
# Annexure-6: Observations of Audit and Accounts Dept. Govt. of West Bengal

<table>
<thead>
<tr>
<th>No. of paragraph of I.R. , Period of IR , subject in brief and Present position of outstanding paras</th>
<th>Reply to the queries</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PART-I</strong></td>
<td></td>
</tr>
</tbody>
</table>
| 1. Introductory  
2. The present position of outstanding paragraphs is as follows :  
Period of IR : 01.03.1999 to 31.08.2007 |
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Para No. 5</td>
</tr>
<tr>
<td>Subject in brief : Theft of cash- Rs.24901.50</td>
</tr>
<tr>
<td>-</td>
</tr>
<tr>
<td>Present position : The matter lying with Director of Public Instruction for settlement</td>
</tr>
<tr>
<td>-</td>
</tr>
<tr>
<td>3. Schedule of persistent irregularities – Nil</td>
</tr>
<tr>
<td>-</td>
</tr>
</tbody>
</table>

| Part-II A |
| - Nil |

| Part- II B |
| 1. Management and maintenance of cash book - irregularities therein |
| Scrutiny of cash book and bill register for the period from 01.01.2013 to 31.01.2015 revealed the following irregularities |
| 1) separate savings account at State Bank of India, Barasat Branch bearing A/c No. 11216769935 was maintained for management and maintenance of grants received from the university Grants Commission. A total amount of Rs.6099379.00 was received and Rs 3846385.00 was expended leaving a closing balance of Rs. 3080795.00 as on 31.01.2015 from available UGC Grants during the period between 01.01.2013 and 31.01.2015. However, the entire receipt and expenditure of UGC fund is neither routed through transactions through main cash book nor a subsidiary cash book was maintained for the purpose. In absence of such records, authenticity of transactions pertaining to UGC funds incurred during the period |
| 1) UGC usually sanction and allot different grants for each plan period in different schemes which have separate norms to expend as per their guidelines thereof. The fund allotted in favour of the College directly deposited through ECS in the separate account maintained for the purpose as per UGC guideline vide letter No. F. Meeting-12/13-14(XII Plan/ERO) dated 03.02.14. A separate printed formatted cash book, showing total receipts and expenditure & balance along with scheme wise receipts and payments & balance is maintained for the funds receiving for XII Plan period and another register also indicating detailed statement of expenditure shown scheme wise are being recorded therein by the office. Moreover it is stated that no transaction is made by |
between 01.01.2013 and 31.01.2015 couldn’t be ascertainment by present audit
In reply authority stated that separate Cash Book was being maintained.
Reply was not plausible as the cash Book was not in proper format, it was like a roughly maintained khata with no reflection in the main cash book.

2) Bill wise analysis at the end of each month was not recorded in the cash book. In absence of such analysis it could not be ascertained in audit how the local office exercised control over cash balance and whether the outstanding bills kept in hand were within the permissible time limit.
In reply authority stated that physical verification of cash was done on day to day basis.

Reply was not plausible as there was no analysis of outstanding cheques on the cash book.

3) All entries in the cash book should be attested by the DDO but it was not done during the entire period covered under audit.

4) Physical verification of cash balance at the end of each month is required to be done by the DDO and result of such verifications need be recorded in the cash book as per provision of the existing financial rules. However, this was not done during the entire period under audit.

5) No stock register of pay-in-slip/DCR was produced to audit as such fees collected from students and others could not be ascertained in audit.

cash. The audited utilisation and the statement of expenditure for different schemes are being submitted to UGC office time to time as per their norms. However, action will be taken as per advice of the audit team.

2) Noted for future guidance. All payments are through treasury cheques, either A/c payee or in the name of Principal which are deposited in the current A/c. Only cash collection from students’ fees is deposited to the current A/c almost daily basis and thereafter deposited to State exchequer by Challan. Details of the cheques received are recorded in the receipts side, along with existing cheque register and cheques payment are also recorded in the payment side of the cash book with list of cheques remaining outstanding.

3) All entries and opening & closing balance are marked by ink used for the purpose along with putting signatures in receipts and payment sides.

4) Noted for future guidance.

5) The statement of fees collection and bunch of duplicate pay-in slips and challan deposited are all making cross checked and preserved. A statement of stock of pay-in-slips is also preserved by cashier.

6) The college received on 24.02.15 from Treasury the A/c payee cheques in favour of “Br. Manager, SBI Barasat
6) During physical verification of cash it was observed that there was a difference of Rs. 5396421.21 between Cash Book opening balance as on 25.02.2015 (Rs. 8663127.50) and balance shown to audit (Rs. 3266706.29). In reply the authority stated that five cheques amounting to Rs. 7700600.00 were paid on 23.02.15 but not shown in cash book. The closing balance of cash book on 23.02.15 was Rs. 138325.50. On 24.02.2015 the total receipt was Rs. 77075.00 and total payment was Rs. 794228.00. Thus closing balance on 24.02.2015 comes to Rs. 521172.50.

Further the authority stated that the bank balance in the current SBI bank account 11216765056 in the Barasat branch which was shown during physical cash verification as part of the cash book was actually not reflected in the cash book. So the opening cash balance on 25-02-2015 included the following:

1. Theft fund----------24901.50
2. Physically found cheques ---------4,96271.00
3. Cheques which were already paid to party or deposited in Bank but not entered in cash Book payment side--------8141955

Thus total balance comes to Rs. 8663127.50 that is the cash book balance found on 25-02-2015.

The authority did the necessary corrections in the cash book and showed to audit.

This is brought to notice of the Government.

5. Irregularities in the maintenance of Stock Register

Scrutiny of records revealed that the college was maintaining department wise stock account but the issue column of the stock register was not being

5.A. As per availability of grant Funds are distributed department-wise and the purchase of chemicals, equipment etc are made departmentally. The stocks are maintained by the departmental teachers, in absence of store keeper in most of the departments. However the Head of the departments are instructed to maintain the stock

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theft fund</td>
<td>24901.50</td>
</tr>
<tr>
<td>Physically found cheques</td>
<td>4,96271.00</td>
</tr>
<tr>
<td>Cheques which were already paid to party or deposited in Bank but not entered in cash Book payment side</td>
<td>8141955</td>
</tr>
</tbody>
</table>
maintained. Also the balance was not drawn after issuing any article from the stock register. In absence of the properly maintained stock register the physical balance of inventories could not be checked.

In some cases separate sub-stock register for chemicals and lab equipments was being maintained by the departments. In course of through checking, it was revealed that the lab related equipments including chemicals were issued after three to four months of procurement.

In reply the authority stated that chemicals were purchased/ procured at the end of each financial year when the funds were available ie in the month of February/March but at that time the students are on leave. After three to four months ie. In the month of July on wards the classes /examinations start and it was issued to the candidates and recorded in the stock.

Things should not be purchased unless they were required for immediate use. The college as clear in the reply, was using chemicals only after four months of it being purchased. The reply clearly brings out the rush of expenditure being practiced in the college at the end of the financial year. This was against the rules of expenditure.

B: The head of an office or any other officer entrusted with stores of any kind should take special care of the goods for arranging their safe custody, for keeping them in good and efficient condition and for protecting them from loss, damage.

Scrutiny revealed that goods purchased from the Government fund were not given any serial number. No numerical inventory was being maintained.

Computers, tables, chairs, almirahs and different machines used by different departments were lying without proper stock entry number.

properly with the mentioning issue of articles from the stockr and balance of the same.

Usually in each year from March the students are on study leave as the examination begins from the month of May onwards when funds are usually not available. The college development grant under state plan is available to the college in the month of March each year.

However it is noted for future guidance.

B. Heads of the departments and office assistant are already instructed to take action in respect of giving serial nos. on goods purchased, as per advice of the audit and will be shown to the next audit.

6. A. The said advance was sanctioned to the incumbent in the circumstances of treatment of his dependent mother’s illness as a special case. However it
Under the circumstances there was high chance of theft/loss of property getting unnoticed.

The authority in its reply assured that it would rectify the system followed in the college. This is brought to notice of the Government.

6. Irregularities in GPF ledger

Barasat Government College was responsible for maintenance of GPF of its GR.D staff. As per GPF Rule (15) withdrawals may be sanctioned by the authority competent to sanction an advance (non-refundable). The sum so withdrawn by a subscriber from the amount standing to his credit in the GPF shall not ordinarily exceed on half of such amount or six month’s pay whichever is less.

A. In course of thorough checking of GPF ledger for the period covered under audit, it was observed that Shri Pranab Kr. Das, an ex-incumbent of the local office was given an advance (non-refundable) of Rs. 33000 vide bill no. 23F8009 dated 4.6.2012. This was in contravention to the standard rule as mentioned above as his GPF balance at the end of month May 2012 as per GPF ledger was Rs. 25343.00 which was less than the advance given to him by Rs. 7657.00. Further it was not deducted from the balance of that month to avoid the negative progressive balance.

B. Further it was found that an amount of Rs. 10000.00 was also sanctioned to him as a non-refundable advance vide bill no. 117/I/8009 dated 30.11.2012 which was not debited from the amount at his credit at the end of the previous month.

The amount was debited at the bottom of the ledger while calculating balance as on 31st March 2013.

Thus due to non-deduction of the non-refundable advance taken from the balance of the months in which they were drawn the ledger showed an inflated

A. The college has only one accountant who is in addition entrusted with the works relating to different students’ services, works relating to university affairs, preparation of bills and maintaining of overall office as the post of Head Assistant has been lying vacant since long time and thus overloaded with work. The action as noted herein was made inadvertently due to overlook. It was sanctioned as per sanction order prepared by the accountant of the college. The exact amount of excess payment for interest to Sri Das, a retired Gr.D staff is ascertained and necessary recovery is made by this office.

A. Necessary correction is already made as per advice of the audit and showed to the audit.
progressive total which result in excess interest and excess final payment given to Shri Das.

In reply the college authority stated that the mistake was made inadvertently and that the advance was sanctioned to the incumbent as a special case for treatment of his dependent mother’s illness.

This was however not permissible as per GPF rules. This clearly brings out the lack of administrative as well as financial control in the college. The authority should ensure that this type of gross violation of GPF rules is not repeated in future.

This is brought to notice of the Government.

**TAN**

**A. Irregularities in Leave posting**

Scrutiny of service books of the local establishment revealed that Ms Swati Mitra, Assistant professor of the Barasat Govt. College had joined her service through WBES on 05.01.2007.

As per WBSR 173 and 176 from 01.07.2001 half pay leave should be credited in advance @ 10 days on 1st January and 1st July every year and for each completed calendar month HPL should be credited @ 5/3 days.

However it was noticed in case of the incumbent that HPL was not credited in her leave account for the period from 01.02.2007 to 30.06.2007. She was credited 10 days HPL only from 01.07.2007 to 31.12.2007. She should have been given 8 days HPL on 01.02.2007 to 30.06.2007.

Further her leave account was credited with 8 days of HPL in place of 10 days HPL for the period from 01.07.2008 to 31.12.2008.

Necessary steps need be taken to set right the leave posting of Swati Mitra.

This is brought to notice of the Government.
PART-I

DECLARATION BY THE HEAD OF THE INSTITUTION
Memo No. 542

Date: 22.07.2015

Declaration by the Head of the Institution

I certify that the data included in this Self-study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been out sourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Signature of the Head of the institution with seal

Principal

Barasat Govt. College
Govt. of West Bengal

Place: Barasat, North 24 Parganas, West Bengal

Date: 22.07.2015