



BANGABASI MORNING COLLEGE

B+ Level Accredited by NAAC (2007)

AFFILIATED WITH THE UNIVERSITY OF CALCUTTA

RE- ACCREDITATION REPORT 2015

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Submitted To:

National Assessment And Accreditation Council

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Preface

Bangabasi Morning College, West Bengal, Kolkata, established in 1965, celebrated its Golden Jubilee year. The journey in these fifty years was not always a smooth one, but the zeal and fervour among the teachers and staff enabled the college to overcome all hurdles and provide knowledge to students and empower them to face the challenges of life in the coming years.

Bangabasi Morning College is extremely happy to get this opportunity to submit the Self Study Report (SSR) for Re-Accreditation (2nd Cycle) by the National Assessment and Accreditation Council (NAAC) in order to achieve further sustenance, enhancement and improvement of quality of the College. The Internal Quality Assurance Cell (IQAC) of the College has been playing a vital role in adopting and implementing diverse quality enhancement measures during the past few years in the light of NAAC Peer Team recommendations, 2007.

While appraising the various achievements of the College, it is appropriate to consider its growth in terms of teaching, research, infrastructure and administrative improvements. The College has been able to achieve and maintain a high level of excellence with the support of dedicated team of teaching, administrative and assisting staff members.

In view of the above, **Bangabasi Morning College** looks forward to getting validated and accredited as well as get into the process of institutional self-development.

Asserting our firm conviction in the methodology of NAAC assessment, I cordially invite the NAAC Peer Team to help us in our journey towards further improvement and sustenance of quality.

Dr. Shyamali Majumdar
Principal-in-Charge
Bangabasi Morning College

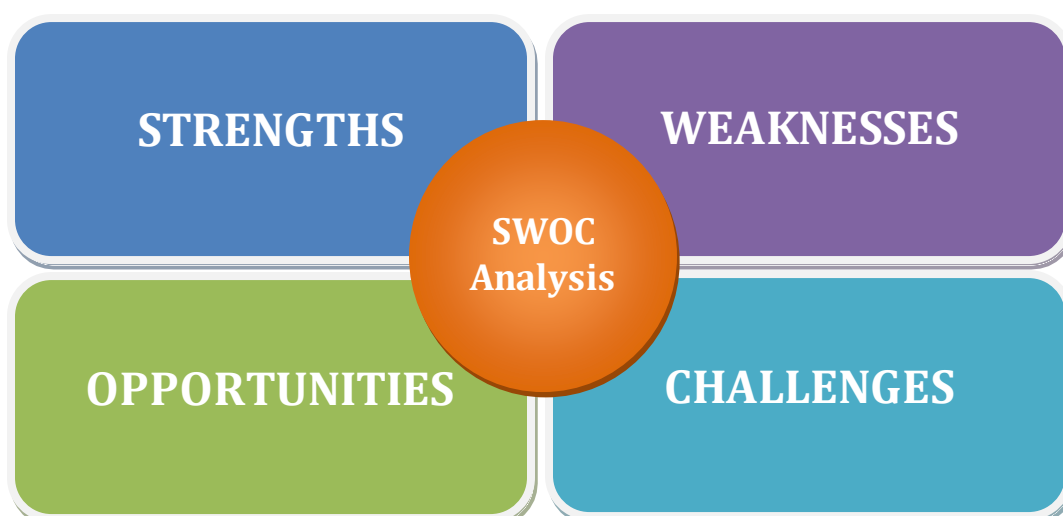
EXECUTIVE SUMMARY

Bangabasi Morning College started its career as a unit of Bangabasi College. This Institution seminally emerged from Bangabasi School founded by Acharya Girish Chandra Bose in 1855 in Bowbazar Street. The college moved into its present premises at 19, Scott Lane (now Rajkumar Ckaraborty Sarani) in 1903. Principal Prasanta Kumar Bose, the illustrious son of Acharya Girish Chandra Bose, an eminent educationist of Bengal, founded the Morning Section of the Bangabasi College for the needy employed students in 1940 to teach Commerce.



In 1944 Principal Bose opened up the Arts and Science faculties in the morning. Finally employed women were also enrolled as students by Professor Bose. Through the introduction of phase reduction scheme of the University Grants Commission, Bangabasi Morning College came into a separate existence in the year 1965.

Since inception, Bangabasi Morning College has embarked on the task of instilling a value-based nationalistic education along with scientific understanding. Disseminating knowledge in the society by this holistic and futuristic model of education has been the primary mission of this institution. Throughout its history the institution has dedicated itself to the cause of the poor and underprivileged students. The college has wide-ranging courses from almost all the major streams to offer to its students. Keeping in mind the local, regional and national needs, the college has, from time to time, introduced new courses and upgraded the existing courses. Bangabasi Morning College is whole-heartedly dedicated to the all-round development of the students by imparting value-based, liberal, modern and self-reliant education.



STRENGTHS

- ✦ The Institution boasts of a multicultural, multilingual environment upholding its glorious tradition of providing educational opportunities to the poor, underprivileged and in-service students, a substantial proportion of whom, are first-generation learners.
- ✦ Extremely dedicated, motivated and highly qualified teachers maintain the high academic standards of the College.
- ✦ The promotion of institution-neighbourhood community network and involvement of College students in diverse activities with socially and economically challenged section of the society instil among them a sense of moral, social and civic responsibility leading to their holistic development as responsible citizens.
- ✦ Career oriented courses have been initiated keeping in mind the student placement opportunities.
- ✦ Special attention is provided for students who are “fast learners” in the form of tutorial classes and “slow learners” through remedial classes.
- ✦ Extensive use of e resources and well stocked computerized library and reading room facilities allows students to explore aspects within and beyond curriculum.
- ✦ The College has moved forward towards computerization that is facilitated by an enhanced, efficient high speed campus wide secure internet accessibility for users enabling
 - ☞ Online admission procedure ensuring complete transparency
 - ☞ Compilation of academic and administrative data handling easier, error free and fast.
- ✦ The Women’s Cell, Anti Ragging Cell and Grievance Redressal Cell addresses the difficulties faced by the students.
- ✦ Measures are adopted to maintain the college campus and especially the laboratories so that they satisfy safety norms and other environmental parameters.

WEAKNESSES

- ✦ Insufficient classrooms for holding extra classes or tutorial/remedial courses.
- ✦ Lack of space and infrastructural facilities along with excessive class load acts as a deterrent to faculty research.
- ✦ Insufficient funds from the Government which is not disbursed uniformly over the entire financial year poses problems for the college in planning and execution of projected works.

- ✦ Inadequate teacher: student ratio.

OPPORTUNITIES

- ✦ Establishment of the IQAC post the first cycle of NAAC and its activities has sensitized the departments regarding quality control, record maintenance, and utilization of funds, academic expansion and collaborations.
- ✦ Participation in academic programmes like seminars, workshops, debates, etc. on a regular basis and student counselling inculcates within the students a motivation to pursue higher studies and research.
- ✦ Value education and health awareness programmes for students including seminars, workshop and NSS activities in slum areas inculcates a sense of responsibility in them.

CHALLENGES

- ✦ Little scope for introducing innovative teaching, learning techniques due to constraints in syllabi and annual academic schedule designed by the University of Calcutta which also limits the number of teaching days.
- ✦ The pace of upgrading infrastructure is not commensurate with the annual increase in student intake as directed by the University.

STRATEGIES

S-O Strategies

- ❖ Upgradation of one classroom in every department using modern facilities including Wi-Fi connectivity.
- ❖ Complete transition of the administrative wing into an environment friendly computer based office.
- ❖ Regular inflow of government funds for:
 - ✓ Maintenance of campus area.
 - ✓ Expansion of the medical facility with a unit at the College campus with a full time medical practitioner.

W-O Strategies

- ❖ Generation of reserve funds for meeting contingent needs of the College and also to cater to needy students who fail to receive financial help from external agencies.
- ❖ Approaching Government for filling up of vacant teaching and non-teaching posts.
- ❖ Increasing teacher membership in syllabus committees and boards of studies at the University level to ensure participation in academic designing and syllabus framing, like introduction of environment friendly courses like green chemistry etc. at UG level.

S-C Strategies

- ❖ Complete grooming of students through academic and value education programmes motivates them to remain focused in their vision of achieving their goals despite political, socio-economic or religious bias.
- ❖ Upgradation of infrastructure pertaining to latest technological trends.
- ❖ Fund crunch for continuous purchase of books and journals by College library can be overcome by subscribing for e-books/journals and inclusion of the Institutional library within library networking circle.
- ❖ Maintenance of strict discipline for students and teaching/ non-teaching members thereby ensuring a healthy working environment.
- ❖ Exhaustive involvement of teaching & non-teaching staff in the different College committees under the Teachers' Council/ Principal to ensure continued and efficient running of College activities in spite of possibilities of superannuation/resignation/ transfer of teaching / nonteaching staff.

W-C Strategies

- ❖ Generating resources and creating reserve funds for maintaining:
 - ✓ General well-being of the College campus.
 - ✓ Carrying out annual maintenance of expensive and highly sensitive equipments in College laboratories.
- ❖ Motivating students to utilize opportunities available to them within campus at subsidized rates.

ACTION TAKEN REPORT ON NAAC RECOMMENDATIONS

Recommendation: 1

All the sanctioned teaching posts may be filled immediately in order to enhance teaching quality and academic ambience.

Staff recruitment is done by State Government against the permanent vacancies. Year wise report of recruitments is enlisted below:

■ **2008-09**

Three members (3) of faculty recruited in Government vacancies in the year.

■ **2010- 11**

Three posts are filled up during the year.

According to Order No. 751-Edn (CS)- 5P-46/99 dated 21.09.2010 the existing Part Time Faculty were absorbed by the Government.

■ **2012 -13**

One faculty joined the institution on 14.5.2013 as an Assistant Professor in Bengali.

College also appointed Contractual Full time Teachers, Guest Teachers and Non-teaching Staff to compensate the shortage of staff.

■ **2013 – 14**

One faculty joined the institution in April 2014 as an Assistant Professor in Economics.

College also appointed Contractual Full time Teachers, Guest Teachers and Non-teaching Staff to compensate the shortage of staff.

■ **2014 -15**

Three posts are filled up during the year.

Recommendation: 2

The college has to introduce more UG courses in Science and Humanities and other Vocational Certificate Diploma Courses. (IT Oriented and others)

The institution took initiative for introduction of new programmes / courses fulfilling the demands of the students. In last four years the following courses were introduced:

- ✓ B. Sc. Honours Course in Chemistry
- ✓ B. A. Honours Course in History
- ✓ B. A. Honours Course in Hindi
- ✓ B. Sc. Honours Course in Zoology and
- ✓ B. A. General Course in Geography.

- ✓ Post Graduation Courses under the Directorate of Distance Education of Vidyasagar University, Midnapore were introduced in 2014. The subjects offered are: Bengali, Commerce, English, Environmental Science, History and Mathematics.
 - ◆ As far as vocational courses are concerned, MOU has been signed with George Animatrix School of Animation for introduction of Certificate Course in Graphic design for television and print media animation, Web design. The job oriented course will provide the students an opportunity to develop skill and enter the professional world being well equipped.

Recommendation: 3

The college has to organize Faculty development and Orientation programmes to the teachers so as to enable them to keep in tune with the latest trends in the academic scenario.

- ✓ The college management encourages the teachers in achieving academic growth and development. In last four years three teachers availed leave under FDP Programme of the UGC.

- ✓ Every year teachers enrich their knowledge and teaching skill by joining Orientation Programme, Refresher Course, Summer School, Workshop and other such academic activities organized by Universities and Academic Staff Colleges. The list of such activities is given below:

Year	Nature of activity	Faculty benefitted
2008 – 2009	Refresher courses	1
	Orientation programmes	4
2009 - 2010	Refresher courses	3
	Orientation programmes	3
2010 – 2011	Refresher courses	3
	Orientation programmes	3

2011 – 2012	Refresher courses Orientation programmes Summer/ Winter School/ Workshops etc.	6 0 1
2012 – 2013	Refresher courses Orientation programmes Summer/ Winter School/ Workshops etc.	3 4 3
2013 - 2014	Refresher courses Orientation programmes Summer/ Winter School/ Workshops etc.	4 1 3
2014 - 2015	Refresher courses Orientation programmes Summer/ Winter School/ Workshops etc.	5 1 -

- The College organized UGC sponsored National Conference and Seminar, UGC sponsored State level Seminar and also International Seminar in order to provide a dynamic and healthy academic atmosphere to the faculty and students.

Recommendation: 4

Efforts for strengthening the Science laboratories, Computer Science Department and to encourage skilled persons with a better salary who are on temporary basis.

- In order to equip the laboratories with necessary instruments as per the syllabi – based practical courses and also as needed for modern teaching methods the college has taken continuous initiative to purchase new articles. Apart from UGC funding College Fund has also been utilized for purchase of equipments. The amounts spent from UGC Fund as well College fund for such purpose is given below:

Year	Value of the equipment purchased during the year (Rs.)
2007 – 2008	1,90,228.50
2008 – 2009	2,70,046.00
2009 – 2010	2,68,640.00
2010 – 2011	2,65,341.00

2011 – 2012	2,99,755.00
2012 – 2013	22,72,016.00
2013 – 2014	35,000.00
2014 – 2015	1,64,886.00

- ✓ New laptops, LCD Projectors, Microphones and other modern equipments have been purchased for various departments.
- ✓ List of equipments of every department is enclosed as Annexure.

Recommendation: 5

Establishment of Computer Centre with internet facility in a bigger hall.

- ✓ Computer Science department has been shifted to the New Campus which is equipped with spacious laboratories and class rooms.
- ✓ New laptops are purchased as per the need of the students.
- ✓ Internet and LAN facility is available in the campus.

Recommendation: 6

Installation of computers in the day-to-day functioning of the office and to train the staff to know the basics about the use of computers.

- ✓ The office has been equipped with three computers for day-to-day office work.
- ✓ Special computer training has been imparted to four office staff including one library staff for easy operation of computerized official work.

Recommendation: 7

The library in the college may be further strengthened by shifting to a more spacious hall and modernized with complete automation and by procuring latest books. Certain professional journals and large number of dailies are to be subscribed.

- Library computerization, a long awaited system in library management has been implemented.
- Library Management Software has been introduced.

- Every year new books and journals are purchased as per the need of the students and recommendations of the teachers. The amount spent for this purpose is given below.

Year	Value of Books purchased during the year (Rs.)	Value of Journals purchased during the year (Rs.)
2007 – 2008	1,18,051.00	11,235.00
2008 – 2009	73,581.00	8,765.00
2009 – 2010	1,31,130.00	8,945.00
2010 – 2011	63,655.00	8,555.00
2011 – 2012	53,148.00	5,230.00
2012 – 2013	90,899.00	7,830.00
2013 – 2014	38,820.00	5,990.00
2014 – 2015	97,437.00	8,180.00

Recommendation: 8

Book bank facility to the economically backward students.

Understanding the need of the students coming from various backgrounds the college has started to provide Book Bank Facility. This facility is available only to the needy students.

Recommendation: 9

The college may arrange extension lectures and classroom seminars by inviting experts from outside periodically.

Class room seminars are regularly held, specially in Science departments and Bengali department, using modern audio-visual aid like LCD projector. Extension lectures are also conducted by invited teachers including retired teachers of this college and other colleges.

The List of Seminars arranged during 2008 – 2015 including Class room Seminar is given below:

- Seminar on Mathematics and Computer Science-an Interface, State Level, UGC sponsored, March 14, 2009.
- Seminar on Tiger Day, Institution Level, sponsored by Bangabasi Morning College, Kolkata, October 05, 2012.
- Seminar on Conservation of Animals, Institution Level, sponsored by Bangabasi Morning College, Kolkata, October 05, 2013.
- Seminar organized by Botany Department, sponsored by Bangabasi Morning College, Kolkata, October 20, 2013.
- Seminar on Animals in Relation to Human Health, sponsored by Bangabasi Morning College, Kolkata, November 17, 2014.
- Seminar on Context and Culture in our Language Classrooms, International, sponsored jointly by Bangabasi Morning College, American Centre, Kolkata, February 9, 2015.
- Seminar on Corporate Fraud and its Impacts on Indian Business Environment, State Level, UGC sponsored, Kolkata, March 17, 2015.
- Conference on Environmental Impacts on Health: Towards a Better Future, National Level, UGC sponsored, Kolkata, March 27-28, 2015.
- Seminar on Cyber Crime, Institution Level, sponsored by IQAC, Bangabasi Morning College, Kolkata, September 16, 2015.
- Mathematics and its Impact on Natural Sciences, National Level, UGC sponsored, Kolkata, September 11-12, 2015.

Recommendation: 10

The use of new teaching aids like public address system, OHP, IT equipment may be enhanced for strengthening the teaching.

- ✓ Understanding the need of ICT based teaching in the modern education system the College has purchased laptop for every department. Number of computers increased from 10 to 61.
- ✓ LCD projectors are also provided to many departments.

- ✓ Internet facility has been provided to all departments.
- ✓ Teaching Aid Software has been introduced.

Recommendation: 11

To strengthen the sports activities, including a gymnasium.

- ✓ The college followed the recommendation of NAAC peer team by setting up a gymnasium in the month of August, 2013.
- ✓ Annual Sports, Cricket and Football Tournament, participation in inter college sports and games competition are the regular activities of the students.

Recommendation: 12

Steps have to be taken to provide loans and other welfare measures to the nonteaching, to boost their morale and to work hard with dedication and commitment.

- ✓ Nonteaching staff are under Group Insurance Policy. Loans are granted from Provident Fund and Staff Benevolent Fund.
- ✓ In time of need, nonrefundable financial assistance has also been provided to Specimen Collector of the Department of Zoology.

Recommendation: 13

Alumni Association needs to be strengthened by enrolling large number of members and by conducting periodical meetings.

Alumni Association continues their activities:

- i) Annual Reunion
- ii) Cultural Programme
- iii) Publication of Souvenir

One member of the Alumni Association has been included as a member of IQAC for providing feedback and support.

List of important Alumni Members is enclosed as Annexure.

Recommendation: 14

Up-to-date auditing of Accounts of the college.

Audit has been done till the year 2013-2014. The Copy is enclosed.

- It is commendable that certain Departments of the college have gifted teachers / researchers. The college shall utilize their services by introducing new professional /job oriented programmes, tie-up with Industry !National Labs for the training the students and for joint research projects.

Post Accreditation Initiatives

In addition to the NAAC Recommendations, some initiatives have been taken to improve teaching- learning quality of the Institution.

Criteria-wise post- accreditation initiatives undertaken by the college are enlisted below:

1. Curricular Aspect

- ✓ Detailed Academic Calendars are published in every department containing the name of the teachers and the part of the syllabus allocated to him/her.
- ✓ Teaching-aid software has been introduced.
- ✓ Students' Feedback: manual and online, are analysed and actions are taken.
- ✓ Tutorial and Remedial classes are conducted.

2. Teaching Learning and Evaluation

- ✓ Departmental meetings are conducted regularly.
- ✓ Self appraisal records are maintained by the teachers.
- ✓ Teaching Execution Records are maintained by faculty in Work Diary.
- ✓ The college has introduced the system of continuous internal assessment.
- ✓ MCQ and class tests are held.
- ✓ Online admission procedure is followed.
- ✓ ICT based teaching is provided.
- ✓ Experienced retired teachers of Bangabasi Morning College and other colleges are invited for special classes.

- ✓ Field study and excursions are conducted.
- ✓ Parent-Teacher meetings are held after Mid Term and Selection Tests.

3. Research, Consultancy and Extension

- ✓ Teachers are engaged in active Research Work. At present 16 permanent teachers and 4 temporary teachers are having Ph.D. degree. Teachers are regularly publishing papers in reputed journals and presenting papers in conferences and seminars, inland and abroad.
- ✓ Teachers are availing FDP and MRP facilities of the UGC.
- ✓ Students are participating to present papers in conferences and seminars.
- ✓ Multidisciplinary Bilingual Academic Journal has been published.
- ✓ Prasanta Bose Memorial Lecture Series initiated on 30th October, 2014.
- ✓ NCC and NSS wings actively participate in social work
- ✓ Registered Nature Club has been established.
- ✓ Environmental education is provided and Field Works are conducted.
- ✓ Women Cell was constituted in July, 2014. It consists of representatives of Teaching and Non-teaching Staff, Students, and also members from NGO.
- ✓ Students' Counsellor has been appointed.

4. Infrastructure and Learning Resource

- ✓ New campus has been renovated. Computer Science department runs there since 2013 December in good academic ambience.
- ✓ Geography department, newly introduced in 2014-2015 academic year, has been established in the new campus.
- ✓ Library management has been computerized.

- ✓ INFLIBNET and OPAC facility have been recently introduced.
- ✓ Software is provided where teachers can maintain academic records like
 - Academic Plan
 - Question bank
 - Evaluation report etc.

- ✓ The college has mobilized UGC grant to provide all departments with individual laptops.
- ✓ Microphones have been provided to different departments for delivering lectures smoothly in large classrooms.
- ✓ Mathematics laboratory has been newly constructed.
- ✓ With introduction of honours course in Zoology a new laboratory-cum class room is being constructed.
- ✓ Green boards have been provided in class rooms.
- ✓ College building has been repaired and renovated for maximum utilization of space.
- ✓ CCTV has been set as a safety measure.

5. Students' Support and Progression

- ✓ Institutional freeships are provided to the needy students.
- ✓ The college helps in mobilizing financial aid for SC/ST/OBC and minority category students and also to girl students under Kanyashree Prakalpa and from NCC.
- ✓ Career counselling to students are provided by departmental teachers
- ✓ Anti-ragging cell has been reinforced.

- ✓ Department of English by conducting regular question-answer sessions in the classes helps students to develop Spoken English skill.
- ✓ College publishes Annual Magazine regularly students to develop writing skill of students. Departmental Wall Magazines also serve the same purpose.
- ✓ Grievance redressal is regularly done.

6. Governance and Leadership

- ✓ IQAC has been constructed as per the UGC-NAAC guidelines.
- ✓ Research Advisory committee has been formed.
- ✓ Library Advisory committee has been formed.
- ✓ The college submits all required data to AISHE (All India Survey on Higher Education), Government of India, Ministry of Human Resource Development, Department of Higher Education, New Delhi. (Certificate for submission of data of 2014-2015 enclosed).

7. Innovations and Best Practices

- ✓ Environmental awareness programmes are conducted regularly.
- ✓ A small vermicomposting unit is maintained in the department of Zoology for managing kitchen waste generated in the canteen.
- ✓ Afforestation programmes are conducted every year.
- ✓ Students are restricted from using mobile phones
- ✓ Campus has been declared as Tobacco-free

Profile of the Affiliated College

1. Name and Address of the College:

Name :	BANGABASI MORNING COLLEGE		
Address :	19, Rajkumar Chakraborty Sarani, Kolata 700009		
City /Village: Kolkata	Pin : 700009	State : WEST BENGAL	
Website :	http://www.bangabasimorning.edu.in/		

2. For communication :

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal (On leave)	Dr. Sandeep Sinha	(033) 2360-7586 (033) 2350-9210	9735397937/ 9831610695		bangabasimorning@gmail.com
Teacher-in-Charge	Dr. Shyamali Majumdar	(033) 2360-7586 (033) 2350-9210	9830379252		bangabasimorning@gmail.com
Steering Committee Co-ordinator	Dr. Sreejata Biswas	(033) 2360-7586 (033) 2350-9210	9830300947		sreejata26@gmail.com

3. Status of the

Institution:

- Affiliated College
- Constituent College
- Any other (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
 - iv) Morning

✓

5. It is a recognized minority institution? Yes No

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

6. Sources of funding:

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

7. a. Date of establishment of the college:

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

c. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks(If any)
i. 2 (f)	1965	NA
ii. 12 (B)	1965	NA

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

Certificate enclosed.

d. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section/ clause	Recognition/Appr oval details Institution/Depar tment Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
i.	NA	NA	NA	NA
ii.	NA	NA	NA	NA
iii.	NA	NA	NA	NA
iv.	NA	NA	NA	NA

(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

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

If yes, date of recognition: N A (dd/mm/yyyy)

b. for its performance by any other governmental agency?

Yes No

If yes, Name of the agency NA and
Date of recognition: NA (dd/mm/yyyy)

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

Location *	Urban
Campus area in acre	0.66 acre
Built up area in sq. m.	2671 sq.m.

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

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 :
Well equipped Auditorium (Prasanta Kumar Bose Auditorium) with good acoustic system available.
- *Sports facilities*
 - *Play ground
 - *Swimming pool
 - *Gymnasium
- Hostel
 - Boys' hostel
 - i. Number of hostels : Nil
 - ii. Number of inmates: NA
 - iii. Facilities (mention available facilities): HEALTHY & HYGIENIC ACCOMMODATION, COOK HOUSE, PLAY GROUND, ETC
 - Girls' hostel
 - i. Number of hostels: Nil
 - ii. Number of inmates: NA
 - iii. Facilities (mention available facilities): NA

- Working women’s hostel
 - i. Number of inmates: NA
 - ii. Facilities (mention available facilities): NA
- Residential facilities for teaching and non-teaching staff (give numbers available — cadre wise): Available for few non-teaching Staff.
- Cafeteria—: Students’ Canteen, Staff-Canteen.
- Health centre—: Nil
- First aid, Inpatient, Outpatient, Emergency care facility, Ambulance: FIRST AID available.

Health Centre Staff –

Qualified doctor	Full time	<input type="text" value="NIL"/>	Part-time	<input type="text" value="NIL"/>
Qualified Nurse	Full time	<input type="text" value="NIL"/>	Part-time	<input type="text" value="NIL"/>

- Facilities like banking, post office, book shops: Nil
 - Transport facilities to cater to the needs of students and staff: Nil
 - Animal house: Nil
 - Biological waste disposal: Nil
 - Generator or other facility for management/regulation of electricity and voltage: GENERATOR- 1
 - Solid waste management facility:
Small scale vermicomposting in the Department of Zoology
 - Waste water management: NA
 - Water harvesting: NA

12. Details of programmes offered by the college (Give data for current academic year)

Sl. No.	Program me Level	Name of the Programme / Course	Duration	Entry Qualification	Medium of instruction	Sanctioned / approved Student strength	No. of students admitted
1	Under-Graduate	Bengali Honours	3 YEARS	PASSED H.S. or Equivalent	BENGALI	80	76
2.	"	English Honours	3 YEARS	PASSED H.S. or Equivalent	English	80	95
3.	"	Hindi Honours	3 YEARS	PASSED H.S. or Equivalent	Hindi	50	31
4.	"	History Honours	3 YEARS	PASSED H.S. or Equivalent	Bengali English	50	12
5.	"	Political Science Honours	3 YEARS	PASSED H.S. or Equivalent	Bengali English	60	28
6.	"	Botany Honours	3 YEARS	PASSED H.S. or Equivalent	Bengali English	60	60
7.	"	Chemistry Honours	3 YEARS	PASSED H.S. or Equivalent	Bengali English	50	37
8.	"	Computer Science Honours	3 YEARS	PASSED H.S. or Equivalent	Bengali English	40	09
9.	"	Mathematics (Hons.)	3 YEARS	PASSED H.S. or Equivalent	Bengali English	80	104
10.	"	Physics Honours	3 YEARS	PASSED H.S. or Equivalent	Bengali English	40	43
11.	"	Zoology Honours	3 YEARS	PASSED H.S. or Equivalent	Bengali English	40	59
12.	"	Accountancy Honours	3 YEARS	PASSED H.S. or Equivalent	Bengali English	300	308
13.	"	Bengali General	3 YEARS	PASSED H.S. or Equivalent	Bengali	200	88

14.	”	English General	3 YEARS	PASSED H.S. or Equivalent	English	200	75
15.	”	Hindi General	3 YEARS	PASSED H.S. or Equivalent	Hindi	200	116
16.	”	History General	3 YEARS	PASSED H.S. or Equivalent	Bengali English	200	530
17.	”	Political Science General	3 YEARS	PASSED H.S. or Equivalent	Bengali English	200	450
18.	”	Economics General	3 YEARS	PASSED H.S. or Equivalent	Bengali English	200	
19.	”	Geography General	3 YEARS	PASSED H.S. or Equivalent	Bengali English	100	08
20.	”	Philosophy General	3 YEARS	PASSED H.S. or Equivalent	Bengali English	200	134
21.	”	Urdu General	3 YEARS	PASSED H.S. or Equivalent	Bengali English	200	25
22.	”	Botany General	3 YEARS	PASSED H.S. or Equivalent	Bengali English	150	90
23.	”	Chemistry General	3 YEARS	PASSED H.S. or Equivalent	Bengali English	150	277
24.	”	Computer Science General	3 YEARS	PASSED H.S. or Equivalent	Bengali English	100	12
25.	”	Mathematics General	3 YEARS	PASSED H.S. or Equivalent	Bengali English	150	85
26.	”	Physics General	3 YEARS	PASSED H.S. or Equivalent	Bengali English	150	190
27.	”	Zoology General	3 YEARS	PASSED H.S. or Equivalent	Bengali English	150	91
28.	”	Anthropology General	3 YEARS	PASSED H.S. or Equivalent	Bengali English	150	40

29.	”	Commerce General	3 YEARS	PASSED H.S. or Equivalent	Bengali English	400	194
	Integrated Programmes PG	NA	NA	NA	NA	NA	NA
	Ph.D.	NA	NA	NA	NA	NA	NA
	M.Phil.	NA	NA	NA	NA	NA	NA
	Ph.D	NA	NA	NA	NA	NA	NA
	Certificate courses	NA	NA	NA	NA	NA	NA
	UG Diploma	NA	NA	NA	NA	NA	NA
	PG Diploma	NA	NA	NA	NA	NA	NA
	Any Other (specify and provide details)	NA	NA	NA	NA	NA	NA

13. Does the college offer self financed programmes?

Yes, UG Courses in Computer Science (Honours and General) and Geography (General).

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

Yes.

Honours Course

- Chemistry and History from 2013-14 academic year
- Hindi and Zoology from 2014-15 academic year

General Course

- Geography from 2014- 15 academic year

Post Graduation Course

PG courses in Mathematics, Economics, Bengali, English, History, Environmental Studies and Commerce started under the Distance Learning Scheme of Vidyasagar University, Midnapore, W.B.

15. List the departments: (respond if applicable only and do not list facilities like Library, 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.)

Faculty	Departments (eg. Physics, Botany, History etc.)	UG	PG	Research
Science	CHEMISTRY, PHYSICS, BOTANY, ZOOLOGY, MATHEMATICS, ANTHROPOLOGY, COMPUTER SCIENCE, GEOGRAPHY, ECONOMICS	✓	NA	NA
Arts	BENGALI, ENGLISH, HINDI, URDU, HISTORY, PHILOSOPHY, POL.SC, GEOGRAPHY, ECONOMICS	✓	NA	NA
Commerce	COMMERCE	✓	NA	NA
Any Other (Specify)	NA	NA	NA	NA

16. Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, and M.Com...): 4

- a. annual system
- b. semester system NA
- c. trimester system NA

17. Number of Programmes with

- a. Choice Based Credit System NA
- b. Inter/Multidisciplinary Approach NA
- c. Any other (specify and provide details) NA

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) NA (dd/mm/yyyy)
and number of batches that completed the programme NA

- b. NCTE recognition details (if applicable)

Notification No.: N A

Date: N A (dd/mm/yyyy)

Validity: NA

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

Yes No

19. Does the college offer UG or PG programme in Physical Education?

Yes No

If yes,

- a. Year of Introduction of the programme(s) NA. (dd/mm/yyyy)

and number of batches that completed the programme

- b. NCTE recognition details (if applicable): NA

Notification No.: N A

Date: N A (dd/mm/yyyy)

Validity: NA

- 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

	Prof		Associate Prof		Assistant Prof		Non Teaching Staff		Technical Staff	
	M	F	M	F	M	F	M	F	M	F
<u>UGC/Govt</u>										
Sanctioned	0	0	42				34			
Recruited	0	0	6	4	16	11	37			
Yet to recruit	08				02					
<u>College</u>										
Sanctioned										
Recruited										
Yet to recruit										

*M-Male *F-Female

21. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.	NA	NA	NA	NA	NA	NA	NIL
Ph.D.	NA	NA	3	2	7	4	16
M.Phil.	NA	NA	NIL	NIL	4	4	8
PG	NA	NA	----	2	7	3	12

Temporary teachers							
Ph.D.	NA	NA	NA	NA	4	NIL	4
M.Phil.	NA	NA	NA	NA	1	1	2
PG	NA	NA	NA	NA	8	10	18

Part-time teachers							
Ph.D.	NA	NA	NA	NA	NA	----	----
M.Phil.	NA	NA	----	NA	1	NA	1
PG	NA	NA	NA	NA	3	3	6

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

Visiting Faculty

Contractual Faculty

Guest Faculty

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

Categories	Year 1 2011-2012	Year 2 2012-2013	Year 3 2013-2014	Year 4 2014-2015
SC	53	106	105	137
ST	11	10	06	06
OBC	-----	-----	98	160
General	2232	2655	2606	3060
Others				

24. Details on students enrolment in the college during the current academic year:

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same state where the college is located	97%	NA	NA	NA	NA
Students from other states of India	3%	NA	NA	NA	NA
NRI students	NA	NA	NA	NA	NA
Foreign students	NA	NA	NA	NA	NA
Total	100%	NA	NA	NA	NA

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

UG

15%

PG

NA

26. Unit Cost of Education: (2013-2014)

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

(a) Including the salary component

17,139/-

(b) Excluding the salary component

2380/-

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 NA

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

NA

c) Number of programmes offered NA

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

Yes No NA

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

Programme/Course	Teacher : Student Ratio
Bengali Honours	Part I: 1:27
English Honours	Part I: 1:31
Hindi Honours	Part I: 1:8
History Honours	Part I: 1:7
Political Science Honours	Part I: 1:9
Botany Honours	Part I: 1:12
Chemistry Honours	Part I: 1:6
Computer Science Honours	Part I: 1: 7.5
Mathematics (Hons.)	Part I: 1:26
Physics Honours	Part I: 1:9
Zoology Honours	Part I: 1: 12
Accountancy Honours	Part I: 1: 45
Bengali General	Part I: 1:29
English General	Part I: 1:19
Hindi General	Part I: 1:29
History General	Part I: 1:133
Political Science General	Part I: 1:38
Economics General	Part I: 1:31.5
Geography General	Part I: 1:4
Philosophy General	Part I: 1:67
Urdu General	Part I: 1:12
Botany General	Part I: 1:18

Chemistry General	Part I: 1:46
Computer Science General	Part I: 1:5.5
Mathematics General	Part I: 1:21
Physics General	Part I: 1:38
Zoology General	Part I: 1:18
Anthropology General	Part I: 1:20
Commerce General	Part I: 1:28

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: (31/03/2007) Accreditation Outcome/Result: 75.80

Cycle 2: N A; (dd/mm/yyyy) Accreditation Outcome/Result...NA.

Cycle 3: N A; (dd/mm/yyyy) Accreditation Outcome/Result...NA.

* Kindly enclose copy of accreditation certificate(s) and peer team report(s) as an annexure.

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

205 days

32. Number of teaching days during the last academic year

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

183 days

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

IQAC ...22/04/2014 (dd/mm/yyyy)

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

i. AQAR 2007-08 submitted to NAAC on 26-09-2014

- ii. AQAR 2008-09 submitted to NAAC on 26-09-2014
- iii. AQAR 2009-10 submitted to NAAC on 26-09-2014
- iv. AQAR 2010-11 submitted to NAAC on 26-09-2014
- v. AQAR 2011-12 submitted to NAAC on 26-09-2014
- vi. AQAR 2012-13 submitted to NAAC on 26-09-2014
- vii. AQAR 2013-14 submitted to NAAC on 26-09-2014
- viii. AQAR 2014-15 submitted to NAAC on 28-12-2015

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

- Regular activities of **NCC** and **NSS** wings
- Existence of **Grievance Cell** with the facility of a complaint Drop Box
- Presence of **Alumni Association**
- Publication of Subject wise detailed **Academic Calendar** with syllabus break up
- Health Services in **Students' Health Home**
- Establishment of **Women's Cell** with complaint Drop Box and Helpline Number
- **CCTV** surveillance for security
- **Nature Club** activities

CRITERION 1: 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.

Bangabasi Morning College is an educational institution with a rich cultural tradition. Since its inception the college has embarked on the task of instilling value based education. Throughout its history the institution has dedicated itself to the cause of the poor and underprivileged students. The college is still continuing this mission.

Vision

The motto inscribed in the emblem of the college upholds the ideals of the institution. It is taken from the Bhagawad Gita: “Pranipatena Pariprasnena Sevaya”: It is through reverential questioning that one learns, and that knowledge ultimately helps render service to the cause of humanity.

Mision

The college, with its glorious tradition in teaching and scholarship, follows the mission of disseminating higher and progressive education. The basic tenet of the instituion is : Pay homage to your Institution, Learn through Questioning, Render Service to Humanity. Being a morning college, this institution is serving another social need, that is extending opportunities to the students who are engaged in different jobs during daytime i.e to provide educational opportunities to the poor and needy and also in-service students, a substantial proportion of whom are first-generation learners.

Objective

As an institution of higher education Bangabasi Morning College has set the following aims and objectives:

- ✓ To disseminate higher and progressive education
- ✓ To instill value based education
- ✓ To provide holistic development
- ✓ To support poor and needy students
- ✓ To develop social responsibilities among students

The prospectus of the College serves to communicate its vision, mission and objectives to all its stakeholders. The vision, mission and objectives of the College are also conveyed to every new batch by teachers during the introductory lectures delivered in each course of study. During their tenure in this Institution the students gain familiarity with the Institution's proclaimed vision, mission and objectives through their interaction with the teachers and also with their senior batches and alumni.

The other major stakeholders – teachers and non-teaching staff – are made aware of the Institutional vision, mission and objectives at the time of joining by the Principal, senior teachers and senior non-teaching staff of the College in a cordial atmosphere. Special occasions like the Annual Day celebrations, Annual Sports, Commemorative Functions serve as additional opportunities for the stakeholders to witness a reaffirmation of the Institutional vision, mission and objectives in the address made by the Principal and other senior staff members on such events.

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).

Before the commencement of every academic session effective implementation of the curriculum is always required for the purpose of

imbibing knowledge. The action plan in this aspect is mainly the Academic Plan of each department.

- Optimum implementation of curriculum through topic allotment/assignment to respective teachers commensurate with their specialization, research interest/concerns and in view of permissible limit of classes that can be taken by each teacher (full time/part-time/guest).
- Departmental meetings are held not only for allocation of curricular portions but also to draft a lesson plan which is strictly adhered to ensure well timed completion of the curriculum within the stipulated time frame. These departmental meetings held at regular intervals are occasions for regular follow-ups to monitor and ensure successful implementation and timely assessment of lesson progress made by respective departmental teachers.
- Students undergo a session of initiation and orientation into the disciplines via introductory lectures.
- Curriculum delivery/implementation rendered conducive to the learning abilities of students by **(a)** illustrative lectures through both conventional board work and advanced techniques like power point presentations (where relevant), etc, **(b)** logical sequence of disciplinary themes/ concepts explicated, **(c)** delivery of lectures follows a well defined trajectory that progresses from elementary conceptual training and theoretical grounding to contextualization and pragmatization, **(d)** contextualization of topics done in their topical milieu and their contemporary relevance explained, **(e)** topics pragmatized with their relevance and applicability explained and **(f)** facilitating interactive sessions of group discussion by students in a dialogic and participatory ambience.
- Regular tutorials, remedial classes and assessments are held to ensure a successful implementation of the curriculum.

- The Institution obtains online feedback on curriculum from students and their guardians. Guardian-teacher meetings are held in every academic session to facilitate communication between parents/guardians and teachers on the academic performance of the ward/student. Such a mechanism ensures an opportunity to communicate on curriculum delivery by all stakeholders, viz. students, teachers and guardian/parents.
- Departments supplement their action plans in curriculum implementation at the practical level (beyond class room sessions) through field/industry visits, departmentally supervised research projects, market surveys, practical hands on-training etc. Also conventional disciplines deploy appropriate teaching tools for field surveys and project writing.

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 supports received from the affiliating University by the teachers are as follows:**
 - Workshops and seminars on syllabus organized by the University and various affiliated Colleges of the University from time to time provide teachers with the required guidance in effective translation of the syllabus, in improving their teaching practices and also in clarifying difficulties faced in the course of teaching.
 - The Refresher Courses on various subjects organized by the UGC Academic Staff College of the University are extremely effective procedural as well as practical support in effective translation of the curriculum whereby teachers are appropriately re-trained and re-oriented thus allowing them to be better equipped to translate every

revisionary exercise of the curriculum conducted by the University from time to time.

- The syllabus stipulated by the University is user friendly and provides a well-defined delineation of the broad areas clearly in a logical sequence. It also contains a comprehensive reading list that enables teachers to follow the curriculum as designed by the University.

❖ **The supports received from the Institution/College by the teachers are as follows:**

- The College is highly supportive towards skill upgradation and career advancement initiatives of teachers and therefore encourages research pursuits and participation in seminars, workshops, Orientation and Refresher Courses required for enhancing their teaching abilities and interaction with the larger community of teachers.
- The College provides infrastructural and financial support for organizing curriculum-based workshops and departmental seminars that are of relevance to students and are able to foster vibrant, dynamic and participatory teaching and learning sessions of the curriculum.

❖ **The following infrastructural endowment and technical support are of significance in curriculum delivery and improving teaching practices:**

- The College library and seminar libraries of various departments are furnished with updated stock of books prescribed in the syllabus and also those that are part of recommended reading list of the University's curriculum.
- The College library and the computers allocated to the departments have internet facility that allows teachers to gain easy access to e-resources for updated information required for curriculum delivery.

- The College library provides access to on-line journals under N-List programme of INFLIBNET that enables teachers to explore reading resources widely for a more enriched transaction of the curriculum.
- The College has an updated Computer Centre that provides technical support and training facilities to teachers in computer related teaching methodologies as and when required.
- ❖ **The College provides all possible logistic/Institutional support for relevant curriculum enriching practices like field/market surveys, industrial/museum visits, educational excursions for students.**
- ❖ **The College ensures prudent budgetary allocation every year for enhancing the infrastructural provisions and endowments of the library, and the departmental laboratories etc. required for effective translation of the curriculum.**

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 Institutional initiatives include:**
 - A strict adherence to the curriculum as prescribed by the University is maintained by the College.
 - The College organizes regular Academic Sub-committee meeting to follow and ensure adherence to the University's stipulated academic calendar. This enables the College and its respective departments to allot portions of the curriculum and plan its successful delivery and completion within the given time frame provided by the University's academic calendar.
 - The College library and the departmental seminar libraries take care in stocking books recommended in the Reading list of the syllabus and also those books that are additionally relevant to the syllabus/

curriculum prescribed by the affiliating University for reference for both teachers and learners. In addition the library also subscribes to relevant journals of various disciplines for use of both teachers and advanced learners.

- Assignment of teaching responsibilities based on the curriculum is mostly done according to individual teacher's area of specialization and competence to ensure effective delivery of the curriculum.
- The College seeks to upgrade and enhance the quality of its teaching personnel and to this effect it encourages research engagements of teachers (Doctoral/ post-Doctoral/Minor Research Projects) and also re-training of teachers through participation in seminars/workshops/Refresher Courses and Orientation Courses. These privilege teachers to update their knowledge-base; improve their knowledge imparting skills and train them better to deliver the revised/updated content of the curriculum to their students.
- The College allows for remedial classes as supplementary initiatives to aid weak and slow learners and ensure effective communication of the curriculum across students of varying merit and learning abilities. The College ensures that every department in addition to the University's scheduled internal assessment (mid-term and selection tests) also maintains regular students' assessment throughout the academic year to gauge the success and extent of effective curriculum delivery and transaction. In addition to this the Institution encourages the practice of student mentoring so that teachers can counsel students, resolve their learning and other difficulties and motivate them appropriately towards better performance.
- The College encourages and supports departments to organize seminars/workshops on syllabus prescribed by the University as these discussions and deliberations emerging from them help both teachers

and students to comprehend and grasp the new additions and revisions within the curriculum.

- The annual budgetary allocation of funds for respective departments allow departments to invite guest lecturers and organize departmental seminars/talks/symposiums on relevant curriculum related issues that demands specialized attention and thus facilitate intensive and participatory transaction on the curriculum.
- The College obtains feedback from students by administering structured questionnaire on individual teacher's performance. Students' assessment of the teacher's performance serves as a definitive Institutional mechanism to ensure effective and quality curriculum delivery.

❖ **The departmental / teachers' initiatives include:**

- Teachers also provide and circulate additional study materials and referenced notes to supplement class lectures PowerPoint presentation during lectures complements chalk and talk method of teaching to provide students with illustrative/ graphic exposition of the curricular content.
- Teachers / departments conduct field / market surveys, excursions / museum visits / industry visits and closely supervise their writing and practical files.
- Teachers prepare supplementary reading list in addition to the basic list recommended by the University and also guide students to explore the well endowed College and departmental seminar library and help them to select relevant curriculum oriented books. They also guide students in their initiative to compile reference material.
- Delivered to ensure that students are adequately equipped with reading/study resources to cope with the demands of the curriculum.

❖ **For effective curriculum delivery the Institution provides:**

Keeping in mind the local, regional and national needs the College has from time to time introduced a range of new courses and upgraded the existing courses so that the students are exposed to the changing needs of the society.

❖ **The web based Academic Plan is yet another way of providing support to the teachers as it enables them to deliver the curriculum as per plan.**

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 College along with the teachers maintains regular interaction and networks with the University's senior postgraduate faculty of respective departments as well as the administrative functionaries.
- The teachers of the College are in regular interaction with members of the Board of Studies on curriculum related issues. Besides being counselled and guided by senior members of the Board, teachers also communicate both their difficulties and suggestions.
- Teachers and students are encouraged to attend workshops, seminars, symposiums organized by the University and various affiliated Colleges to keep pace with the expanding epistemological frontiers of their discipline.
- The teachers of the College maintain active liaison with various research bodies, Institutes and academic bodies related to their respective disciplines. These include the Indian Statistical Institute, Kolkata, and Indian Association for the Cultivation of Science, Indian Science Congress Association, United State Information Service, the

Zoological Society, Kolkata, British Council, and so on. Such associations allowing professional networking and expansion of research interests also serve as learning experiences that are valued in effective implementation of the curriculum.

- The maintained by teachers with the larger teaching community benefits the students as occasionally experts and eminent academicians associated with various research/academic bodies and Universities are invited to deliver special lectures on various topics pertinent to the curriculum.

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, stakeholder feedback provided specific suggestions etc.)

- Teachers of different departments review the curricula and also attend workshops/seminars on curricula for offering suggestions (based on practical teaching experiences at the undergraduate level) to the Board of Studies of respective departments.
- The College teachers contribute to the curriculum based Question Bank organized by the affiliating University for respective departments/subjects. Teachers are also appointed as paper setters/moderators by the University whereby they can definitively contribute to the curriculum-based assessment system.
- The teaching faculty has consistently taken initiatives to ensure that the undergraduate syllabus framed by the affiliating University in different subjects is meticulously followed.

- Teachers are regularly appointed as examiners (for theoretical papers), internal and external examiners (for practical examinations), and head examiners/ coordinators for both Honours and General Papers for University examinations. Besides, the College is also serving as the Zonal Centre for University's undergraduate examination for several subjects. Script evaluation/ examiner ship, examiners meetings' held at the University and the Zonal centres operant within the Institutional premises facilitates interaction with the larger community of teachers at both the undergraduate and postgraduate level. Discussions allow teachers to convey their feedback, suggestions and even difficulties. From the exercise of multiple scripts assessment and screening, they also learn to orient themselves towards newer and revised means to deliver curriculum from the view point of examination and its evolving pattern.
- The College obtains feedback from the students on the curriculum. The latter also evaluate/assess the individual teachers on curriculum delivery and their teaching practices.

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 the details on the process ('Needs Assessment', design, development and planning) and the courses for which the curriculum has been developed.

- The College does not have the autonomy to develop and/ or restructure the curricula designed by the affiliating University. But the College appreciates the necessity of involvement of Faculties in planning of such curriculum that fulfils inter temporal and inter spatial needs.

- The IQAC has planned to conduct need assessment amongst the students to find out what curriculum they want beyond the jurisdiction of the Calcutta University and would proceed to introduce such curriculum with support from UGC.

1.1.8

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

The Institution analyzes/ensures the achievement of the stated objectives of the curriculum in the following ways:

- Following the University's evaluation/examination pattern students are regularly assessed to ensure that they are thoroughly familiarized with the curriculum based examination system and can prepare them better. It also helps the Institution to ensure that the curriculum is successfully delivered.
- Lucid conceptual and theoretical explanations and illustrative lectures are provided to render the curriculum content largely transparent to all. Class lectures are supplemented with circulation of referenced notes, additional study materials.
- Completion of syllabus within the given time frame sufficiently allow for revision of the curriculum and this is particularly beneficial for learners to clarify their doubts and aids better comprehension.
- Teachers closely supervise and monitor students' performance in practical and field surveys and report writings.
- Remedial classes for slow learners provide supplementary support system for the weaker students. In addition students are mentored and counseled. These dual practices help to re-direct and motivate students and ensure that they communicate their learning difficulties

and these then get sufficiently redressed through mentoring or remedial classes.

- The Institution obtains students' feedback on effectiveness of teaching through students' assessment of individual teachers. These responses are effective means of ensuring that teachers are effectively transacting upon the curriculum.
- Departmental meetings held serve to review the progress of teaching in respective departments, introduce restructuring of the mode of curriculum delivery when required and ensure its better implementation.

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 goals and objectives of the college are to enkindle the light of knowledge particularly amongst the poorer section of the society by opening new subjects of study to equip themselves for employment.
- The College offers wide ranging courses from almost all the major streams as offered by the university.

The College offers the following three year Degree courses of the University of Calcutta:

- ☞ B.A. (Honours) in English, Bengali, Hindi, History, Political Science.

- ☞ B.A. (General) with any three of the following elective subjects:
English, Bengali, History, Political Science, Philosophy,
Economics, Hindi, Urdu, Geography.
- ☞ B.Sc. (Honours) in Mathematics, Botany, Chemistry, Physics,
Computer Science, Zoology.
- ☞ B.Sc. (General) with any three of the following elective subjects:
Anthropology, Botany, Chemistry, Computer Science,
Mathematics, Physics, Zoology, Geography.
- ☞ B.Com. (Honours) in Accounting and Finance.

The goals and objectives of the courses offered include:

- ✦ To provide a Bachelor Degree that is basic and foundational to higher studies, i.e. both post graduation and further research degree(s).
- ✦ To equip the students with the degree that is the basic minimum for most competitive examinations of state/ central public services.
- ✦ The Bachelor (Honours/ General) degree obtained with grounding in three subjects also prepares students for teaching at the primary and secondary level.
- ✦ The degree offered prepares students for self employment.

1.2.2

Does the Institution offer programmes that facilitate dual degree? If 'yes', give details.

The Institution does not offer any programme that facilitates dual degree.

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.

The College offers academic flexibility to the students to the extent as permitted within the University rules and regulations.

Table: Permissible Subject Combinations

For Honours Course:

Sl No.	Honours	General Subjects		
1	Zoology	Botany	Anthropology/ Chemistry	
2	Physics	Mathematics	Chemistry	Computer Science
3	Botany	Chemistry		Zoology
4	Mathematics	Chemistry/ Computer Science		Physics
5	Chemistry	Physics		Mathematics
6	Computer Science	Physics		Mathematics
7	English	Pol. Science/ Philosophy		Economics/ History
8	Bengali	Pol. Science		Philosophy/ History
9	Hindi	Pol. Science		Philosophy/ History/ Economics
10	Political Science	Economics/ Philosophy/ History		Elective English/ Elective Urdu/ Elective Hindi/ Elective Bengali
11	History	Economics/ Philosophy/ History		Elective English/ Elective Urdu/ Elective Hindi/ Elective Bengali
12	B.Com	All Compulsory Subjects		

- ✦ Change in subject combinations are allowed before University registration.

- ✦ Keeping in mind the job market the College has recently introduced self-financing courses like B.Sc. (Honours and General) in Computer Science and B.A./ B.Sc. (General) in Geography.

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.

The Institution at present offers a self financed bachelor degree course in Computer Science and Geography.

- Admission to these courses is on the basis of the marks obtained at the 10+2 Board examination. For Computer Science (Honours) the University criteria is that any candidate securing 45% marks in aggregate at the (10+2) examination is eligible to seek admission.
- The curricula of Computer Science (Honours & General) and Geography (General) are framed by the University of Calcutta as in the case of other programmes.
- The fee for **Computer Science (Honours) course is Rs. 18,110/- p.a.** The fee for **Computer Science (General) is Rs.10,020/- p.a.** These are higher than fees for other state funded courses.
- The fee for **Geography (General for Arts) is Rs.5,250/- p.a.** and **Geography (General for Science) is Rs. 5,670/- p.a.**
- The qualification of management appointed full time contractual teachers, part-time and guest lecturers for the self financed programme are:
 - ☞ A minimum of 55% marks at Masters Degree in the relevant subject and preferably NET/SET qualified.

- ☞ A **full time contractual teacher** of self-financed programme in **Computer Science** is paid a **consolidated salary of Rs.15, 000/- p.m.**, and in **Geography** is paid a **consolidated salary of Rs. 12,000/- p.m.** **Guest faculty** are paid as per classes taken at the rate of **Rs. 200/- per class.**

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 introduced a range of new courses and upgraded the existing courses so that the students get a chance to compete in the job market.
- The college has signed a MOU with George Animatrix School of Animation for introduction of Certificate Course in Graphic design for television and print media animation, Web design.

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?

- PG course under the directorate of distance education of Vidyasagar University has been introduced.
- There is no provision of combining the conventional face-to-face and Distance Mode of Education for students under University of Calcutta.

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 programme and Institution's goals and objectives are integrated?

The efforts made by the Institution to supplement the University's Curriculum for ensuring that the academic programmes and Institution's goals and objectives are integrated may be enumerated as follows:

- In view of the Institutional objective to train students for employability, teachers seek to supplement the given curriculum prescribed by the University with communication of contemporary developments within the discipline and its relevance in the national and international sphere. This allows students to connect pedagogical concerns of the curricula to the everyday world that surrounds them and also relate the curricula imparted to a larger context.
- Co-curricular activities of the departments (invited lectures, seminars, debates, students' presentation, mock group discussions, quiz, debates wall magazines) aimed at interactive teaching and learning ensures integration of Institutional goal of holistic development with University's curricula. It is through such multifarious learning process that both curricula and Institutional goals can be conjoined towards capacity building of students.
- Cultural activities, inter-College activities, educational excursions are encouraged to foster modern, liberal, secular and democratic values and a participatory outlook and thus stimulate a realization of both Institutional goals and the philosophy that inspires the curricula.
- The College has financed setting up of well equipped laboratories for practical-based subjects and procured devices that can train students

in professional skills. Such training supplements the curriculum and also realizes the Institutional goal of investing in capacity building.

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?

- The College does not have the freedom to modify the existing courses designed by the affiliating University. However, the faculty actively participates in seminars/workshops organized by the University and affiliating Colleges for discussion on necessary modifications of existing courses to meet the needs of the dynamic employment market.
- Some of the faculty members are members of Board of Studies who get direct opportunity to enrich the curriculum framed by the University.
- Notwithstanding the constraints upon the said curriculum modifications, the College makes sincere efforts to enrich and organize the curriculum to explicitly reflect the experiences of the students so as to cope with the needs of the dynamic employment market. The efforts to enrich and organize the curriculum include:
 - ☞ Delivery of comprehensive knowledge of the discipline and latest revisions for enabling students, if they so desire, to choose the subject as an optional for Civil Services (both state and central) and other relevant competitive examinations for public services.
 - ☞ Appropriate efforts are made to contextualize and pragmatize the content of the curriculum and enable students with knowledge of its applicability. Such training is useful to make the curriculum reflect their everyday experiences and cater to employment orientation.

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?

The efforts made by the Institution to integrate cross-cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum include:

- Environmental issues are part of the curriculum prescribed by the affiliating university and Environmental Studies as a compulsory paper is offered to final year students. Students are sensitized towards environment related issues like its conservation and protection in tandem with issues like sustainable development and environment friendly human/industrial practices. In addition, in certain subjects like Anthropology, Botany, Zoology, Political Science, Philosophy, History, environmental usage, movements, environmental consciousness, environmental pollution and threats constitute a part of the curriculum. Such curricular training is supplemented by an active Nature Club that initiates intra-Institutional campaigns to spread environmental awareness and inculcate environment friendly practices within the Institutional premises among all stakeholders.
- Conference on Environmental issues has been organized twice in the college with UGC sponsorship, in 2004 and 2015.
- Gender constitutes a part of the curriculum of the affiliating University in subjects like English (literary texts), Political Science and Philosophy from different perspectives. In addition the College has an actively functioning Women's Cell that organizes seminars, awareness programmes, and workshops and holds counseling and consultancy sessions. The Women's Cell extending its activities also renders social services for the less privileged women.

- Several departments use ICT in Teaching Methods.

1.3.4

What are the various value-added courses/ enrichment programmes offered to ensure holistic development of students?

- IQAC organized seminars on ethics and values.
- Social responsibility- Students are encouraged to participate in different extension activities of the NSS Unit of the College and the Gender Cell provides community orientation that includes Public Health Programme, Biological and Pathological Testing, Seminar on AIDS, Plantation of Trees. Community orientation provided through these programmes motivates the students towards philanthropic ideals and instils within them a sense of social responsibility.
- The motto of the Institution is: *Pay Homage to your Institution, Learn through Questioning, and Render Service to Humanity*. Focusing on this motto moral values are inculcated in students by teachers during various interactions.
- Cancer awareness lecture was delivered by famous oncologist Dr. Sankar Nath. Thalassemia awareness campaign was organised by the Department of Zoology.

1.3.5

Cite a few examples to enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum.

- Positive criticism and feedback from stakeholders are essential ways by which reforms can be made. Therefore, the college seeks feedback from students, alumni and peer teachers on various teaching – learning aspects including the curriculum.

- College has planned to devise an online system to obtain feedback from the students, teachers, and university for enriching the curriculum. Manual system of feedback already exists in the college. The objective of the feedback exercise is to conduct a need assessment amongst the stakeholders.

- The feedbacks obtained from stakeholders are carefully analyzed and appropriate measures of redressal are adopted to improve implementation and transaction on curriculum. The measures to effectively use the feedback include:
 - ☞ As College cannot re-structure the curriculum prescribed by the affiliating University, departments/teachers on the basis of feedback seek to organize it in a manner whereby comprehension is rendered easier. The weaknesses of
 - (i) Teaching methodology,
 - (ii) Resource/ infrastructural endowment,
 - (iii) Curriculum compliance,
 - (iv) Assessment process,
 - (v) Supplementary help,
 - (vi) Employment utilityare carefully assessed and efforts are made towards proper redressal.

 - ☞ All matters related to the students are conveyed to the Students' Union having a good number of representatives from all sections of students. In the Governing Body of the College the General Secretary of the Students' Union represent their views and

opinions in relation to the curricular and co-curricular activities of the college.

- ☞ Grievance Cell with the facility of a complaint Drop Box deals with students' problem.
- ☞ The Alumni Association meets in the college and share their views and opinions with the members of different faculty. This also provides an opportunity for the present teachers to bridge the gap between the old and the new.
- ☞ Teachers analyze their weaknesses and shortfalls individually on the basis of students' assessment and make efforts to improve their teaching practices.

1.3.6

How does the Institution monitor and evaluate the quality of its enrichment programmes?

- Feedback from external peers helps to review and evaluate the quality of enrichment programmes like seminars, departmental seminars, poster campaign etc. conducted by the College.
- IQAC monitors the quality of the different enrichment programmes by active participation and support.

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 College being an affiliate of University of Calcutta follows the curriculum developed by the respective Board of Studies and has no scope or autonomy to modify or add new topics to the existing curriculum.
- The Teachers communicate their feedback to their respective Board of Studies and are advised accordingly.

- Teachers participate in seminars and workshops on curriculum of respective subjects organized by the University and the affiliating Colleges of the University.
- Yet the College is always keen to handle different sections of the syllabi flexibly according to the needs of the learners.
- The College is committed to provide an education that is consistent with the needs of an evolving knowledge based society.

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?

The College makes use of Feedback mechanism (through previous manual system and newly introduced software) which enables them to obtain feedback from stakeholders regarding curriculum. The Feedback is then considered by the IQAC for submission to the Governing Body. Based on these feedbacks-

- ☞ Teachers seek to revise their teaching skills and methods of curriculum delivery.
- ☞ Experts are both consulted and invited to deliver special lectures.
- ☞ Supplementary aids like referenced notes, reading materials, additional reading list, are enhanced.
- ☞ Revisionary lectures given.
- ☞ Remedial classes supplemented by occasional individualized attention towards weak learners.

- ☞ Teachers of the College of related disciplines are consulted on inter disciplinary aspects.

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?

The institution played pro-active role in introducing new programmes / courses fulfilling the demands of the students. In last four years the following courses were introduced:

- ✓ **Honours Course in Chemistry in 2013- 2014**
- ✓ **Honours Course in History in 2013- 2014**
- ✓ **Honours Course in Hindi in 2014- 2015**
- ✓ **Honours Course in Zoology in 2014- 2015 and**
- ✓ **General Course in Geography in 2014- 2015.**

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

Field work and extension activities other than those prescribed in the syllabus are conducted for clarification of subject matter and enrichment of knowledge by direct and practical learning.

CRITERION 2: TEACHING – LEARNING AND EVALUATION

2.1- Student Profile and Admission

2.1.1

How does the College ensure publicity and transparency in the admission process?

- The College publishes notices relating to admission on its official website as well as the College notice board much before the commencement of the admission process. The other modes of publicity are
 - ☞ Display board outside the college building
 - ☞ Local News Papers
- Online admission process is followed. Transparency in the process of admission is ensured through formation of an admission committee comprising of teachers, non-teaching staff and students. The admission forms are properly scrutinized and a merit list is published in the College notice board and also in the College website. The dates for admission are also announced on the College website.

2.1.2

Explain in detail the criteria adopted and process of admission to various programmes of the Institution.

- Prior to 2014 the admission process was controlled by the College wherein students applied offline.
- As per Government directive all admissions from the academic session 2015 – 2016 are made through online process.
- The admission criteria and other relevant information are uploaded in the College website.

- The College strictly follows the rules and regulations of the University of Calcutta. The students are selected on the basis of merit and Merit list is put up in the College website and the College notice board.
- Verification of forms is done by members of the admission committee.

Subject - Wise Criteria

Criteria for Admission to 1st year for the Session of 2015 – 16

For Honours Course

	Honours	General category	SC & ST
1	Zoology	Biology - 55% Aggregate- 55% Chemistry- Pass	Biology - 45% Aggregate- 45% Chemistry- Pass
2	Physics	Physics - 55% Aggregate- 55% Math- 45%	Physics - 45% Aggregate- 45% Math- 30%
3	Botany	Biology - 55% Aggregate- 55% Chemistry - Pass	Biology - 45% Aggregate- 45% Chemistry- 30%
4	Mathematics	Mathematics - 55% Aggregate- 55%	Mathematics - 50% Aggregate- 50%
5	Chemistry	Chemistry - 55% Aggregate- 50% Mathematics- 40%	Chemistry - 45% Aggregate- 45% Mathematics- 30%
6	Computer Science	Mathematics- 45% Aggregate- 50% Physics & Mathematics- pass	Mathematics- 40% Aggregate- 40% Physics & Mathematics- pass
7	English	English - 50% Aggregate- 50%	English - 40% Aggregate- 40%
8	Bengali	Bengali - 45% Aggregate- 50%	Bengali - 40% Aggregate- 40%
9	Hindi	Hindi - 45% Aggregate- 50%	Hindi - 40% Aggregate- 40%
10	Political Science	Pol. Science - 55% Aggregate- 50%	Pol. Science - 40% Aggregate- 40%
11	History	History - 45% Aggregate- 50%	History - 40% Aggregate- 40%

12	B.Com	Accountancy/ Maths - 50% Aggregate- 50%	Accountancy/ Maths - 40% Aggregate- 40%
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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. Provide a comparison with other Colleges of the affiliating university within the city / district.

Subject	Bangabasi Morning College	Surendranath College	Vidyasagar College	Bangabasi Morning College	Surendranath College	Vidyasagar College
	Marks In Percentage (%)					
	Max	Max	Max	Min	Min	Min
ACCOUNTANCY (H)	94	78	88.2	51.5	46	51.5
BENGALI (H)	83.25	69	78.5	50.75	41	45.2
BOTANY (H)	78.5	77	-----	50.5	42	-----
CHEMISTRY (H)	86	78	-----	56.5	42	----
COMPUTER SCIENCE (H)	71	79	-----	53.25	42	-----
ENGLISH (H)	85.25	67	84.0	51.75	43	49.2
HINDI (H)	79.25	-----	-----	49	-----	-----
HISTORY (H)	83.75	59	-----	56.25	42	-----
MATHEMATICS (H)	83.75	82	85.0	51.25	47	56.5
PHYSICS (H)	83.75	78	87.7	57	41	53.5
POLITICAL SCIENCE (H)	85.5	54	73.2	52.75	41	50.7
ZOOLOGY (H)	77.5	82	-----	53.75	46	-----

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 college offers Undergraduate Courses both in Honours (12 subjects) and General (17 subjects) under Humanities, Science and Commerce streams.
- Every year an Admission Sub-Committee is formed to regulate the process of admission.
- The Admission Sub-Committee is empowered to
 - ☞ Construct admission guidelines
 - ☞ Form detailed admission schedules
 - ☞ Structure the Admission Criteria as per University norms
 - ☞ Finalization of Merit List
 - ☞ Solve any problems arising during the admission process.
- The College follows the minimum marks criteria of admission as set up by the University. However in cases of departments where the College has a demand ratio which is more than one the College raises the minimum marks criteria up to as decided by the respective departments.
- SC/ ST/ OBC reservation policy of the Government is strictly followed.
- Admissions counseling by departmental teachers are provided for selection of subjects.

The SPM (Student Profile Mapping) software helps the College make a profile mapping of the students and maintain the demographic database.

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?

- The College follows the SC/ST/OBC reservation policy.

- Following the policy framework stated in UGC XI th Plan regarding access and inclusion to diverse groups in admission the college also gives special attention to admission of differently able students.
- The student diversity as reflected in the admission of students is tabulated below:

Total no. of Students Admitted in First Year

Year	SC	ST	OBC	Women	Differently Able	Economically Weaker Sections	Minority Community	Any others
2011-2012	69	19	157	457	2	320	492	-----
2012-2013	73	04	99	453	303	352	-----
2013-2014	90	03	95	408	1	352	328	-----
2014-2015	116	02	102	549	1	400	285	-----
2015-2016	91	04	55	775	1	350	204	-----

2.1.6

Provide the following details for various programmes offered by the Institution during the last four years and comment on the trends of demand ratio. i.e. reasons for increase / decrease and actions initiated for improvement.

Programmes	2013-2014			
	No. Of Applications	No. Of Students Admitted	Intake Capacity	Demand Ratio (Approx)
Bengali	100	35	70	10:7
English	130	82	80	13:8
History	100	12	30	10:3

Hindi	-	-	-	-
Political Science	30	12	60	1:2
Mathematics	104	42	75	1.38:1
Physics	100	24	30	10:3
Botany	80	31	60	4:3
Computer Science	100	11	30	10:3
Chemistry	100	29	30	10:3
Accountancy	400	226	300	4:3
Zoology	-	-	-	-

Programmes	2014-2015			
	No. Of Applications	No. Of Students Admitted	Intake Capacity	Demand Ratio (Approx)
Bengali	280	35	70	4:1
English	301	76	80	15:4
History	201	30	30	20:3
Hindi	150	10	20	15:2
Political Science	180	11	60	3:1
Mathematics	250	56	75	10:3
Physics	110	43	30	3.66:1
Botany	301	61	60	10:2
Computer Science	150	22	30	5:1
Chemistry	102	44	30	3.4:1
Accountancy	601	231	300	2:1
Zoology	98	52	20	4.9:1

Programmes	2015-2016			
	No. Of Applications	No. Of Students Admitted	Intake Capacity	Demand Ratio (Approx)
Bengali	128	76	80	8:5
English	205	95	80	5:2
History	26	12	50	1:2
Hindi	46	31	50	23:25

Political Science	58	28	60	29:30
Mathematics	195	104	80	19:8
Physics	132	43	40	33:10
Botany	127	60	60	2:1
Computer Science	41	09	40	1:1
Chemistry	94	37	50	2:1
Accountancy	460	318	300	23:15
Zoology	222	59	40	11:2

The increasing demand for higher education is the reason behind the trend of increased Demand Ratio observed in the above table.

2.2- Catering To Student Diversity

2.2.1

How does the Institution cater to the needs of differently able students and ensure adherence to government policies in this regard.

Differently able students are given opportunity to get higher education in the college. Special care is given to them during practical classes and field studies.

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.

- Students' response to introductory lectures in the first few weeks of each session enables teachers to form an idea of the knowledge gap of the incoming students in their respective departments. The subsequent class lectures are framed accordingly to help the students cope with the programme in which they are enrolled.
- An assessment is also made before university registration and then subject changes are made.

2.2.3

What are the strategies drawn and deployed by the Institution to bridge the knowledge gap of the enrolled students to enable them to cope with the programme of their choice? (Bridge/ Remedial/ Add-on/ Enrichment Courses).

In order to bridge the knowledge gap and to enable them to cope with the programme the following strategies are followed:

- Students who are unable to cope with the programme of their choice are given special attention by concerned teachers through remedial classes. The College has introduced the practice of mentoring the weaker learners wherein each mentor meet them regularly and tries to look into their level of perception.
- Through various interactions the teachers identify the backward learners and the advanced learners.
- The college catered to the needs of the students by conducting Bridge Courses as per the rules of the University of Calcutta till the year 2010.

2.2.4

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

Sensitive and important issues like gender inclusion, environment, mental health etc. are given special care:

Gender Sensitization

As recommended by the Hon'ble Supreme Court of India and in accordance with the directives issued by the University Grants Commission, Bangabasi Morning College has constituted a Women's Cell in the College for the students, teaching and non-teaching staff. The purpose of the Cell is to ensure a gender-sensitive work atmosphere conducive to healthy interaction

between and among all sections of the College and to grow awareness against sexual harassment. The College has set up a Complaint Box and also given a help line number (+91 9933470718) for any problem regarding this.

The Women's Cell of Bangabasi Morning College has decided to emphasize on the following issues:

- ☞ To develop guidelines and norms for a policy against sexual harassment.
- ☞ To work out details for the implementation of the policy.
- ☞ To prepare a detailed plan of actions.
- ☞ To organize awareness programmes and workshops with the help of NGOs.
- ☞ To organize poster campaigning programmes in the College premises.
- ☞ To organize seminars for improving awareness.

Environment Sensitization

Nature Club: Environment and nature play important roles in shaping the character of human beings. In an urban area in which Bangabasi Morning College is situated there is little scope to enjoy and appreciate nature and her beauty. Nature Club, registered under West Bengal Act XXVI of 1961, SI. No. 32503 of 2014-15, is a special wing of the college. Along with field visits in various places of environmental significance tree plantation is an important activity of the club.

NSS Activities: Through various environmental awareness programmes like seminar, debate, procession etc. the NSS wing of the college continues to sensitize and educate the students and staff.

UGC Sponsored Conference and Seminar: Understanding the need of the hour to save the environment the college organized UGC sponsored seminar in 2004 and UGC sponsored National Conference on Environmental impacts on health: towards a better future was held during 27-28 March, 2015.

Students through this conference came to know the alarming facts about environmental degradation on one hand and on the other got a view to keep away from polluting the environment further. Proceedings of the conference were also published.

Mental Health

- Considering the sensitive minds of today's youth a Students' Counselor has been appointed.
- IQAC conducts seminars on ethics and values.
- Value education is also imparted by teachers during day to day interactions with the students.

2.2.5

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

Advanced learners are assets of any educational institution.

- Advanced learners are identified through teachers' assessment and evaluation practices.
- Teachers whole heartedly give extra time to the advanced learners for quality counseling.
- Teachers provide and suggest advanced learning materials from reference books, journals and other resources.
- Assignment and Project work are suggested to such students by which they get the chance to search the internet and other knowledge base.
- Through continuous encouragement and tutorial classes teachers respond to the special learning needs of advanced learners.

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 faculty is always attentive to the needs of slow learners and those from disadvantaged sections or economically weaker sections. Slow learners are identified through classroom interaction and also on the basis of their performance in tutorials and class tests. Teachers of all departments take remedial classes for the slow learners.
- The teachers in the department maintain data and information about the students at risk of being drop out. In case the student at risk is economically weak the same is brought to the notice of the Head of the Institution and financial aids are provided and encouraged to continue their studies at the institutional as well as individual levels.
- Student mentoring is another measure through which the Institution prevents dropout of students during the course of under graduate programme. The faculty devotes special attention and additional time for students who need mentoring and takes care to solve their problems as far as possible.
- Class lectures are delivered in English and Bengali so as to enable students having studied in the regional language/ mother tongue comprehends without trouble. Moreover, for students weak in English, notes in simple language are provided. Teachers also devote time and energy to interact with students for clarification of subject matter even outside class room.

2.3- Teaching – Learning Process

2.3.1

How does the College plan and organize the teaching, learning and evaluation schedules?

The College plans and organizes teaching, learning and evaluation schedules in the following ways:

- The College follows the stipulated curriculum for teaching students and students learn as per the curriculum and its recommended books. In addition, the teachers are actively engaged in enriching their teaching methods, in providing supplementary reading resources and in holding remedial classes.
- The College time table seeks to organize the learning in a balanced way by distributing time proportionately to the learning of all opted for subjects.
- The academic calendar of the affiliating University allows the College to maintain the evaluation schedules.
- A detailed academic calendar is published every year bearing the teachers' names and planning for the entire session. Topic wise allocation of the syllabus is declared.
- The Academic Sub-committee regularly holds meetings to discuss the progress in terms of adherence to the academic calendar and evaluation schedule of the University. It also holds meetings to discuss and resolve issues related to teaching and learning which includes infrastructural inputs, enriching of learning resources, upgrading of teaching aids etc.
- At the commencement of the session, the teachers of every department hold departmental meetings to prepare a well delineated lesson plan for completion and delivery of the curriculum coordinated with adequate time for learning and internal assessments.
- Instructional sheets/notes for students are provided.
- For monthly internal assessment Question bank is prepared and provided.

2.3.2

How does IQAC contribute to improve the teaching-learning process?

- The IQAC guides and monitors the teaching–learning process as a whole. The departments submit their plans at the beginning of every academic session and the record of departmental activities at the end of every session to the IQAC.
- Departments are encouraged by the IQAC to organize departmental seminars/ workshops and invited lectures.
- Proposals for greater use of ICT in teaching have been initiated at IQAC meetings. The necessary infrastructural support is provided by the Institution on the recommendation of the IQAC and subsequent approval by the Governing Body.
- The IQAC organizes workshops for enhancement in teaching quality in every academic session.

2.3.3

How learning is 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?

The teaching-learning process is made more student-centric by IQAC in the following ways:

- Teachers encourage interactive learning through a dialogic mode of teaching to ensure participation of students.
- Field work, practical classes, departmental students' seminar, departmental wall magazines by students under the close supervision

of teachers are occasions of collaborative learning experiences that bind together the community of learners towards a shared academic enterprise.

- Teachers on the basis of their assessment identify the advanced and the slow learners, and based on this, cater to their ability-specific learning needs. Advanced learners are supported with journals and additional reading resources and slow learners are offered supplementary support in remedial classes.
- The method of teaching progressively moves from relatively simpler to complex topics or from more familiar to less familiar ones and this allows students to grasp and comprehend better.
- Each student is addressed in view of his/her individual learning ability and both supplementary as well as complementary support/aids are provided to slow and advanced learners individually.

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 Institution seeks to nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators in the following way:

- The teaching practices encourage learners to explore the library and train students to use multiple reading resources. This mobilizes students to a plurality of approaches and interpretations that open them to analytical thinking and critical inquiry. Students are encouraged to actively participate and question in classes and quench their critical thirst for every possible 'why', 'how', 'where' and 'when' of the pedagogical content delivered. Debates, seminars, wall magazines, organized and prepared by students enhance their critical ability thus allowing them to translate their learning to purposive academic ends.

Students are also initiated to take small steps towards elementary research by Project Work and accordingly are advised to make their contributions to the College academic journal and magazine.

- Activities of Nature Club, NSS unit, Women's Cell, and the various awareness programmes conducted serve to instil a sense of civic responsibility, unprejudiced social vision and universal consciousness, and these values imparted help to build a scientific temper among the community of learners.
- The College publishes the Annual Magazine that brings out the potential talents of students in creative and literary writings.

2.3.5

What are the technologies and facilities available and used by the Faculty for effective teaching? E.g. Virtual laboratories, E-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME- ICT), open educational resources, mobile education, etc.

- The chalk-and-talk method is supplemented by using power point presentations, models, charts, maps and diagrams for effective teaching.
- The College library is registered under the N List programme of INFLIBNET which gives the faculty access to on-line journals for continuous up gradation of knowledge for effective teaching.
- Documentation is maintained by providing the teachers with software that helps them to record their
 - a) Reading materials and class notes
 - b) Academic calendar

- c) Question bank
- d) Assessment methods and
- e) Evaluation Schedules

2.3.6

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

- The College teachers are encouraged to acquire advanced level of knowledge wherein they can avail themselves of UGC Teacher Fellowship and Fellowship of Advanced Research Centres for pursuing doctoral and postdoctoral studies.
- The teachers actively motivated towards research have been granted financial assistance from the UGC for Major/Minor Research Projects. During the last seven years, 8 Minor Research Projects have been completed by the faculty.
- The College in general and the departments in particular organize seminars, workshops and invited lectures of experts from various disciplines.
- The College library's open reference shelves allow students/teachers to blend their learning as it facilitates access to cross-disciplinary reading resources. The endowment of the library in terms of books, magazines, journals, fiction and internet facility is conducive to such blended learning.
- The College encourages inter-disciplinary learning and the strong interdisciplinary tradition of the College registers itself through the organization of UGC – sponsored inter-disciplinary seminars etc.

2.3.7

Detail (process and the number of students/benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/ mentoring/ academic advice) provided to students?

The tradition of counseling students is a quintessential component of the teaching practice of this College. This involves commitment and sincerity of every teacher towards devoting quality time to students as counseling involves contact beyond the class room hours.

Academic Counseling: At the time of admission each department counsels the students to guide them about the prospect of the subject. The candidates' aptitude as well as the eligibility for the subject is also discussed. Academic counseling is always provided by the teachers in the department by way of providing individualistic attention inside the classrooms. Remedial classes are held to cater to the lacuna of slow learners as an academic support supplementing the regular classes.

Personal and Psychological Counseling: Students personally visit Faculty members seeking guidance for their personal problems. Teachers also provide moral support to students in coping up with day to day problems. The college has recently appointed a Students' Counselor, a psychologist and expert to provide professional help in this regard.

Career Counseling: Departmental teachers provide guidance and counseling to the students for pursuing future studies and in matter of job opportunities in the different fields. From time to time career guidance sessions are held by external experts.

Role of Teachers: Teachers provide academic advice and guidance to students outside class hours for improving their learning as well as social skills.

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?

- The innovative teaching approaches/methods adopted by the faculty during the last four years:
 - ❖ Teaching aids like models, charts, maps, slides, films, etc are deployed to involve the students actively in the teaching-learning process.
 - ❖ Students' seminars and wall magazines are encouraged to engage them actively in the learning procedure and ensuring that it culminates to an overall capacity-building exercise wherein they can display their own skills to translate what they have learnt and imbibed into something fruitful and productive.
 - ❖ Experts are invited from various disciplines to enable students gain exposure to erudite academicians, their research and specialized knowledge.

- The efforts undertaken by the Institution to encourage the faculty to adopt new and innovative approaches:
 - ❖ The College encourages faculty to both attend and organize seminars, workshops and gain adequate exposure to new and innovative approaches of teaching. These seminars/workshops organized are both subject/discipline specific as well as inter-disciplinary. Workshops on general teaching enhancement are also organized by the IQAC.

- ❖ The College annually allots funds for organizing departmental seminars or invited lectures and also procures aids required for implementing innovative methods.
- ❖ The infrastructural up gradation of the College from time to time seeks to support and enhance teaching practices and its innovative initiatives.
- ❖ The impact of such innovative practices on student learning has been significantly rewarding and one of the clear indices includes a consistent attendance of significant majority in classes, seminars, invited lectures etc.
- ❖ The attendance record of students using learning resources of the College is fairly high.
- ❖ The performance of students in University examinations is impressive with a significant number securing good marks every year.

2.3.9

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

- College Library with 26,108 books is a good learning resource to all students.
- Teachers have access to Open Book Resource through INFLIBNET. Teachers also provide reading materials from online sources like e-books and journals.
- Internet facility is available for both students and Faculty.
- Through Book bank facility economically backward students get access to the books for a long period of time.

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.

The Institution faces the following challenges in completing the curriculum:

- Teacher - student ratio is not as per requirement because all sanctioned posts are not filled up.
- Students of second and third year are largely irregular till the declaration of Part I and Part II results respectively.
- A large number of teaching days are lost due to University examinations.

The college encounters the above challenges by:

- ❖ Maximum utilization of available human resource: Extra classes are taken to compensate for the classes lost due to the abovementioned factors.
- ❖ Compensation of vacant posts by appointment of guest faculties.
- ❖ Arrangement of special classes during examinations.

2.3.11

How Does The Institute Monitor And Evaluate The Quality Of Teaching Learning?

There had been a strong system of monitoring and evaluating the Teaching and Learning processes:

- At the onset of the academic year Academic Calendar is published containing the name of the teachers, topics to be covered and the duration.
- Departmental meetings are held before and after examinations and any other programme.
- Tutorial classes are taken by the teachers in addition to the lectures.
- The marks of students in Mid Term examinations and Selection tests are centrally recorded.
- Self Appraisal records are maintained by teachers in registers that are monitored by the Principal.
- Teaching Execution Record maintained by faculty in Work Diary & monitored by HOD.
- Feedback from students is an important way to evaluate the quality of teaching learning. Feedbacks are taken from students regarding teaching quality. It is communicated to the teachers by the IQAC to make amendments in the teaching learning process in accordance with the needs of the students.
- Internal Quality Assurance Cell (IQAC) was formed with a vision to promote quality in teaching-learning and inculcate value based education. As per the NAAC guidelines the primary aims of IQAC are:
 - ❖ To develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution.
 - ❖ To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

- The IQAC monitors and maintains the quality of teaching learning by conducting meetings regularly and motivating teachers to maintain high standard of education.

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?

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teachers							
D.Sc. / D.Litt.	NA	NA	NA	NA	NA	NA	NIL
Ph.D.	NA	NA	3	2	7	4	16
M.Phil.	NA	NA	1	NIL	3	4	8
PG	NA	NA	----	2	7	3	12

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Temporary Teachers							
Ph.D.	NA	NA	NA	NA	4	NIL	4
M.Phil.	NA	NA	NA	NA	1	1	2
PG	NA	NA	NA	NA	8	10	18

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Part Time Teachers							
Ph.D.	NA	NA	NA	NA	NA	-	-
M.Phil.	NA	NA	-	NA	1	NA	1

PG	NA	NA	NA	NA	3	3	6
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- Optimum utilization of human resource is the key to the effective teaching-learning of the institution considering the small teaching strength of the college.
- Shortage in manpower is regularly intimated to the Government.
- Teachers of various departments voluntarily give efforts for the maintenance and upliftment of academic atmosphere.
- Staff recruitment is done by State Government against the permanent vacancies.

Recruitment and retention of teachers in the Institution is guided by the

- 1) Directorate of Public Instructions, Government of West Bengal which is the sole authority for sanctioning posts and taking decisions regarding number of net vacancies.
- 2) Department of Backward Classes Welfare Department, Government of India which decides the category (General or Reserved) of Faculty to be recruited following the 100 point roster.
- 3) The West Bengal College Service Commission which is the recommending authority for teachers recruitment in respective Colleges as per vacancy in accordance to its own Act.
- 4) Prior to August 2010, the College had the authority of recruiting part time teacher/ contractual teachers (against not filled up vacant sanctioned posts to be paid by College authority). But by an order (dated Aug 2010) of the Govt. of West Bengal all part time teachers recruited till then have become Government approved part time teacher/contractual teachers to be paid by the Government.
- 5) As per the clause of the said Government order:
 - ✦ Approved part-time teacher/contractual teacher against one not filled up vacant sanctioned post will make the sanctioned post non-vacant. The said clause is regressive for the College as one

Government approved part-time teacher is entitled to take 10 classes in a week as against 24 classes to be taken by a substantive whole time teacher.

- ✦ Furthermore the College is required to make 50% of the Tuition Fees (collected from the students) to the Government of West Bengal so as to enable the Government to pay the salary to the Government approved part-time teachers.
- ✦ The Government approved part-time teachers are permanent till the age of sixty and therefore the College does not have any authority to appoint new teacher as long as the Government approved part-time teachers are in employment. Recently the Government has passed an order to the affiliated Colleges to submit requisition for vacant posts and also posts where approved part-time teachers are working.
- ✦ The College however has the option of recruiting and appointing Contractual and Guest Faculty purely on temporary basis to be paid from College fund.

2.4.2

How does the Institution cope with the growing demand/scarcity of qualified senior Faculty to teach new programmes/modern areas of study being introduced?

The College appoints Part time Teachers and/or Guest Faculties - wherever necessary. Senior retired teachers are invited to deliver special lectures on the basis of need.

Year	No. of Guest Faculty	Contractual Teacher
2011-2012	11	-----
2012-2013	11	01
2013-2014	13	05

2014-2015

15

11

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.

The basic strategies of the Institution related to Faculty empowerment are

- 1) Setting the vision of teachers' empowerment in the light of 21st century requirements.
- 2) Preparing the proposal for Faculty Development Programme for submission to UGC.
- 3) Training to teachers for functional use of Computer, Internet and Teaching Aid software.
- 4) Training to non teaching staff for computer aided office work.

❖ NOMINATION TO STAFF DEVELOPMENT PROGRAMMES

Session: 2011-2012	
Academic Staff Development Programme	Number of Faculty Nominated
Refresher courses	06
HRD programmes	---
Orientation programmes	---
Staff training conducted by the university	---
Staff training conducted by other institutions	---
Summer/ winter schools, workshops etc.	01
Session: 2012-2013	
Academic Staff Development Programme	Number of Faculty Nominated
Refresher courses	03
HRD programmes	---
Orientation programmes	04
Staff training conducted by the university	---

Staff training conducted by other institutions	---
Summer/ winter schools, workshops etc.	03

Session: 2013-2014	
Academic Staff Development Programme	Number of Faculty Nominated
Refresher courses	04
HRD programmes	---
Orientation programmes	01
Staff training conducted by the university	---
Staff training conducted by other institutions	---
Summer/ winter schools, workshops etc.	03

Session: 2014-2015	
Academic Staff Development Programme	Number of Faculty Nominated
Refresher courses	05
HRD programmes	---
Orientation programmes	01
Staff training conducted by the university	---
Staff training conducted by other institutions	---
Summer/ winter schools, workshops etc.	---

- ❖ Faculty Training programmes organized by the Institution to empower and enable the use of various tools and technology for improved teaching-learning.
 - Teaching learning methods/approaches – Workshops are conducted by the IQAC in each academic session – Workshops are organized by individual departments as and when the need for handling new curriculum arises.
 - Handling new curriculum – Departmental meetings and discussion sessions are held.

- Content/knowledge management – No specific training programme on content/knowledge management has been organized so far by the College.
 - Selection, development and use of enrichment materials – No specific training programme on selection, development and use of enrichment materials has been organized so far by the College.
 - Assessment – The need for organizing training programme on assessment has not arisen. Teachers attend meetings convened by Head Examiners appointed by the University before evaluating answer scripts of University examinations in each academic session. Assessment guidelines are discussed and finalized for ensuring uniformity in evaluation standards in these meetings. These guidelines are also followed while evaluating scripts of internally held examinations of the College.
 - Cross cutting issues – Workshops are organized by the NSS unit, Gender Sensitization Cell, Nature Club and by some departments on issues such as gender discrimination, human rights, environment, etc. These programmes are very effective in sensitizing the staff on cross cutting issues.
 - Teaching learning material development, selection and use - No specific training programme on selection, development and use of enrichment materials has been organized so far by the College.
- ❖ Percentage of Faculty.
- Invited as resource persons in Workshops/ Seminars/ Conferences organized by external professional agencies – 8%

- Participated in external Workshops/ Seminars/ Conferences recognized by National/ International professional bodies – 80%
- Presented papers in Workshops/ Seminars/ Conferences conducted or recognized by professional agencies – 75%

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.).

- ❖ Research Advisory Committee has been formed to monitor and address the issues on research. It comprises of the following members:
 - ✦ The Principal
 - ✦ The Bursar
 - ✦ The Coordinator of IQAC
 - ✦ One member of the Governing Body
 - ✦ One Subject Expert
- ❖ Though there is no scope for providing research grants to the Faculty member from College fund, the College authority always encourages research activities of the teachers and accordingly the following facilities are provided.
 - ☞ Study leave, special study leave, half pay leave commuted to full pay leave are approved by the Governing Body for any research or training purpose.
 - ☞ Encouraging applying for Minor/Major Research Projects.
 - ☞ To encourage students college funds are provided to the departments for organizing seminars and inviting eminent educationists.
 - ☞ Admissible leaves are also sanctioned to the teachers to join

1. Orientation Programmes
2. Refresher Courses
3. Summer/ Winter School
4. Workshop
5. Disaster Management courses etc.

☞ Teachers are motivated to carry on research and avail FDP facilities of the UGC if necessary. Three teachers in last four years availed FDP :

Name of the Teacher	Department	Duration
Dr. Radharaman Bar	Botany	8.7.2013 – 2.12.2014
Sri Bimal Sarkar	Economics	13.11.2013 – till date
Smt. Tulika Chakraborty	Political Science	18.11.2013 – till date

☞ Teachers are also encouraged to participate in International / National / State level seminars – within the country or abroad. Smt. Moumita Sarkar (Samanta), Assistant Professor in the department of Commerce recently received PTAC FDP of the UGC for participation in a seminar outside the state.

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.

Awards/recognition at the state, national and international level for excellence in teaching during the last four years:

- Dr. Madan Chandra Karan, Assistant Professor and Head of the Department of Bengali, received the following awards:

- ✦ NSS Merit medal, C.U. in 2010-2011

- ✦ Banga Ratnashree Awards Ceremony, held at the Press club, Kolkata, on the International Mother Language Day (21st February). The programme was organized by the Indian Photo and Cultural Lover Welfare Foundation, Sankalpa Today and the Indian Freelance Journalist and Photographer Welfare Foundation on 21.02.2015.

- Sri Aniruddha Pal, G.L.I., Department of Chemistry , received the following awards:
 - ✦ National Photo Contest Award from M. I & B; New Delhi, 2008, 2011
 - ✦ Award from I & CA, West Bengal, 2008
 - ✦ FIAP Silver & HM from Ukraine, 2008
 - ✦ PAS Korea award, 2008
 - ✦ FIAP HM from Serbia, 2008
 - ✦ Celebration of Life Award, Louisville, KY, 2008.
 - ✦ Award from I & CA, West Bengal, 2010, 2014
 - ✦ Environmental award from KSCSTE, 2012.
 - ✦ Photo Appraisal, AP, UK, 2012.
 - ✦ CERC/ ATREE Award, 2013.
 - ✦ Environmental award from KSCSTE, 2013.
 - ✦ Commended award from WPO, UK, 2013, 2014.
 - ✦ 26th Kerala Science Congress award, 2014.
 - ✦ W.B. Government Photo Contest Award, 2015
 - ✦ International C. M. from Photographic Society of India (P.S.I.), 2015
 - ✦ C.M. from FOCl, Mumbai, 2015
 - ✦ 3rd ANNAM National Food and Agro biodiversity Festival Centre for innovation in Science and Social Action, Photo Contest Award, 2015.
 - ✦ International Circuit Award from Hyderabad, 2015.

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?

- Students' feedback is a mechanism available for evaluation and improvement of the quality of teaching. The College has planned to introduce the stakeholders' feedback software that computes the students' feedback and score on own teaching of each teacher.
- Evaluation by external peers has been recently introduced.

The results of such evaluation are analyzed with the objective of improvement of teaching-learning process. Departmental meetings are held and suggestions are made for improving the quality of teaching. Discussions are made with senior teachers and also freshly appointed faculties as and when necessary in order to bridge the gap between old and new methods of teaching.

2.5- Evaluation Process & 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?

- The students get a preliminary idea about the evaluation processes through the academic calendar published in the College prospectus during admission at the beginning of each academic session. It ensures that the stakeholders of the Institution especially students, parents and faculty members are aware of the evaluation process.
- Subsequently, the students are made aware of the details of the evaluation process in their respective course of study by the concerned teachers during the introductory classes.

- The faculty is well acquainted with the evaluation processes stipulated by the affiliating University, to which the College strictly adheres. The rules are mentioned in detail in the “Admission and Examination Regulations” published by the University.
- Apart from this the head of the Institution as well as the concerned departments informs the students by issuing notice from time to time.

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?

Major Evaluation Reform introduced by the University of Calcutta

- The system of University examination has changed from 2+1 system to 1+1+1 system. 2+1 system (i.e. Part I examinations after the end of 2nd year and Part II examination after the end of 3rd year) is replaced by the 1+1+1 system (i.e. Part I examination after the end of 1st year followed by Part II examination after the end of 2nd year and Part III examination after the end of 3rd year).
- The question patterns have changed, such that some of the broad essay type questions get replaced by knowledge based short questions.
- In most of the honours subjects the paper of 100 marks has been divided into units and modules of 25 or 50 marks.

Evaluation Reforms of the College

- The College is trying to conduct continuous internal assessment by way of class tests, mid-term examinations, group discussions, seminar presentation, etc.

- MCQ tests are introduced keeping in mind the evaluation pattern of various competitive and job oriented examinations.

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 ensures effective implementation of the evaluation reforms introduced by the University by strictly adhering to the academic calendar of the University. The syllabus for all UG courses offered by the College is completed within the scheduled time and the internally held examinations and evaluation process is completed to enable students to fill up forms for appearing in University examination within the dates stipulated by the University.
- The College also makes its infrastructure and manpower available for holding the University examinations (B.A./B.Sc./B.Com.-Part I, II, III and Supplementary).
- The departments of the College have the autonomy to introduce and implement the evaluation reforms in internal assessments after ensuring strict compliance of those introduced by the University. The departments have so far efficiently implemented the new methods of evaluation introduced in accordance with the needs of their respective discipline.

2.5.4

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

- In all courses of study, tutorials, class tests, home assignments are the formative assessment means adapted to measure student

achievement after completion of each topic. Regular interaction with students during classes also enables teachers to assess their understanding of any topic. For the purpose of summative assessment, mid-term test and selection test are conducted in all courses of study offered by the College. The selection test is taken annually after completion of the syllabus and serves to assess the overall level of preparation of students for the University examinations.

- Formative assessment of students' achievements through tutorial/class test/ home assignment have shown a positive impact in so far as slow learners can be identified at this stage. They are provided remedial coaching to help them in improving their performance. Advanced learners are also identified through their excellent performance in tutorials / class tests and they are provided with all necessary support and encouragement by the faculty to enhance their performance.
- Summative assessment has a positive impact as students get the opportunity to become acquainted with the pattern University examination before they appear for such examination. They are also benefited by going through their evaluated answer scripts wherein they come to know their deficiencies and can rectify them. This gives them ample opportunity to improve their performance in the University examination.
- The College appreciates the necessity of developing an internal assessment system for holistic development of the students.
- The strategies of continuous internal assessments are:
 - ☞ After completion of each topic short questions are provided to the students as a formative assessment exercise.
 - ☞ During short holidays or vacations students are provided with open book type of assessment/home assignment.

- ☞ Answer scripts of College examinations are shown and discussed with the students and also their parents during parent- teacher meetings.

2.5.5

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

- The scripts of all internal assessments are shown to the students after evaluation. This ensures transparency in the evaluation process.
- Depending upon the course of study, the weightages assigned for behavioural aspects, independent learning, communication skills etc, vary. These relate to internal assessment only as the University stipulated syllabi do not explicitly accommodate such aspect of overall development of students. While communication skills are given more importance in such courses of study as English Honours, the emphasis on independent learning is more in the case of Social Sciences – History, Political Science, and Economics.
- The teachers maintain discipline in the examination hall and perform their invigilation duties meticulously.

2.5.6

What are the graduates attributes specified by the College/ affiliating University? How does the College ensure the attainment of these by the students?

- In addition to curriculum based knowledge in their respective discipline, the attributes acquired by students in general graduating from this Institution are proficiency in communication skill, logical reasoning and numerical aptitude, environment consciousness, sense of discipline, sincerity, integrity and duty towards the neighbourhood community.

- The College strives to ensure the attainment of these attributes through an overall atmosphere conducive to the development of confidence, competence, creativity and consciousness in students. The faculty is dedicated to the cause of all round grooming of students to ensure their employability as well as adaptability to various real life situations. The close teacher – student relation where all teachers know their students individually, and the practice of student mentoring are the Institutional mechanisms through which the desired skills and attitudes are nurtured in students. The wide range of co-curricular and extra-curricular activities offered by the Institution is also instrumental in promoting professional and life skills of students.

2.5.7

What are the mechanisms for Redressal of grievances with reference to evaluation both at the College and university level?

- Students are shown their answer scripts after evaluation. Grievances with respect to evaluation, if any, are redressed by the concerned teachers at this time. The errors and omissions found in answer scripts are pointed out to students and the evaluation standards/benchmarks are explained to them, to their satisfaction.
- There is a system of review of answer scripts of University examinations when any student applies for it through the College. The right to see once evaluated answer script of any University examination is also enjoyed by students who apply for the same.

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?

The goals and objectives of the college are to enkindle the light of knowledge particularly amongst the poorer section of the society to equip them for self employment. The College does have clearly stated learning outcomes:

- Academic development: Teachers in the departments inform the students about the potential of the respective subject and the job prospects therein. Students are informed about various competitive examinations and career opportunities through notice board and magazines on employment news subscribed by the College library.
- Social skill development: Students are encouraged to take part in social work and extension activities that helps in inculcating a sense of social responsibility. Students are encouraged to join NCC and NSS activities and other programmes of social values.
- Cultural development: Various cultural programmes and competitions are held to give exposure to students. Students are also encouraged to contribute in wall magazines and annual magazines for development of writing skill.

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 an 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.

The Institution monitors the progress and performance of students by holding regular class tests, tutorials, home assignments and also by conducting University stipulated mid-term and selection examinations. The same is communicated to the parents/guardians through parents/ guardian-teacher meetings from time to time throughout the duration of the course/ programme.

The students' results and achievements of students for last four years are given as follows:

Examination Year	Courses	Pass Percentage in Final (Part III) Examination
2012	B.A. (Hons.)	45.0
	B.Sc. (Hons.)	86.7
	B.Com. (Hons.)	41.3
2013	B.A. (Hons.)	72.0
	B.Sc. (Hons.)	67.0
	B.Com. (Hons.)	49
2014	B.A. (Hons.)	77.3
	B.Sc. (Hons.)	52.9
	B.Com. (Hons.)	32
2015	B.A. (Hons.)	95.45
	B.Sc. (Hons.)	71.43
	B.Com. (Hons.)	17.2

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 teaching, learning and assessment strategies of the Institution are structured to facilitate the achievement of the intended learning outcomes in the following ways:

- Teaching follows as per adherence to stipulated curriculum of affiliating University. It is tailored to suit individual student's learning ability and requirement wherein advanced students and slow learners on being identified are provided both complementary and supplementary support that includes additional hours/reading resources, remedial classes, etc.
- Learners are motivated and encouraged in participatory activities like wall magazines, seminars, class/group discussions, cultural activities as learning outcomes manifesting the extent of the success of the intended teaching strategies.
- The multi-pronged assessment strategies of the Institution serve to ensure that intended learning outcomes are optimally achieved by communicating the results to stakeholders like parents/guardians. The results inform teachers about the individual learning requirements. Teachers accordingly address the needs of individual learners on the basis of their strength and weakness.
- Students on the basis of their aptitude and ability are counseled and interested students are guided in their preparatory steps towards competitive examinations or higher studies.

2.6.4

What are the measures/initiatives taken up by the Institution to enhance the social and economic relevance (Quality jobs, Entrepreneurship, Innovation and Research Aptitude) of the courses offered?

- The teachers while taking their classes try to explain the scope of every subject in the social and economic world.
- Through departmental projects and assignments teachers try to enhance the propensity of searching the truth in the minds of the students and make them innovative.

- Programmes of social relevance like Thalassemia awareness campaign, noise pollution survey, water quality monitoring etc. are held.
- College is recently planning to introduce a career counseling cell.

2.6.5

How does the Institution collect and analyze data on student learning outcomes? How are they used for planning and overcoming barriers of learning?

Individual departments maintain data of students' performance and learning outcomes on the strength of regularly held internal assessment. These data are centrally collected and tabulated by the College Examination sub-committee. These are annually discussed in meetings wherein each student's performance is reviewed and accordingly the Institution arranges for:

- Special guidance in remedial classes for slow learners to enable them to overcome their learning barriers.
- In view of Institutional accountability, parents/guardian meetings are held to communicate the performance status of respective wards. Such contacts with parents/guardians seek to redress the problem of learning difficulty by enjoining them as stakeholders in realizing the collective goal towards successful learning outcome.
- Teachers seek to simplify the curriculum content and render it more comprehensible to suit the learning ability of weak learners.

2.6.6

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

The Institution monitors the learning outcomes through discussions and reviews of teaching and learning in departmental and Teachers' Council meetings and ensures the achievement of learning outcomes through regular classes, assignments, students' seminars, wall magazines, remedial classes, close guidance in field work/practical, etc. The Institutional practice of guardian/parent-teachers' meeting also serves to monitor and ensure learning outcomes.

2.6.7

What are the graduate's attributes specified by the College/ affiliating university? How does the College ensure the attainment of these attributes by the students?

- The Institution and individual teachers use assessment/evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning.
 - ☞ Formative assessments are regularly held after completion of each topic. These are useful for detecting any shortfall, if any in students' understanding of the topic. Adequate care is taken to overcome these during subsequent lectures.
 - ☞ Summative assessments held during mid-term and end-term is useful for judging the overall preparation of students for the University examination. Accordingly special classes are arranged for advanced learners to prepare them for excellent performance in the University examination. The needs of slow learners are addressed through remedial classes to enable them to succeed in University examination.
- Due to the Institutional policy of providing maximum access to students from diverse social strata, the cut-off marks adhered to at the entry level is the minimum stipulated by the affiliating University. The faculty, therefore, strives to make the teaching-learning process student-centric in view of the limited learning ability of a significant number of students

in all courses offered by the Institution. Remedial classes are held regularly for the benefit of slow learners. However, the advanced learners, though limited in number, are also given special guidance by the faculty to excel in their respective disciplines.

CRITERION 3: 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?

The Institution does not have any research centre.

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.

- According to our former President Dr. A.P.J. Abdul Kalam, 'Applied and fundamental research is the crying need of the nation to foster research culture in our academia and universities for the basic needs of our growing population, especially, clean drinking water, food, healthcare, energy, housing, infrastructure and education.'. The institution, understanding the need of research, has formed a Research Advisory Committee.
- Research Advisory Committee comprises of the following members:
 - ☞ Dr. Sandeep Sinha, The Principal
 - ☞ Dr. Asutosh Kumar, The Bursar
 - ☞ Dr. Mukul Kumar Mitra, The Coordinator of IQAC
 - ☞ Sri Jahar Lal Das, One member of the Governing Body
 - ☞ One Subject Expert, preferably from any University.
- The Committee considers research proposals for submission for Minor/Major Research Project and monitors the progress made in ongoing Research Projects. On the basis of their recommendations in

recent past the following teachers have received research grant from the UGC:

Name of the Teacher	Department	Details of MRP
Dr. Ronita Roy	English	UGC –MRP F. PHW-56/13-14(ERO) dated 18.3.2014 (Humanities and Social Science).
Dr. Sreejata Biswas	Zoology	UGC –MRP F. PSW-40/13-14(ERO) dated 18.3.2014 (Science)
Dr. Sanchita Bose	Bengali	UGC –MRP F. PHW-047/14-15 dated 2.2.2015 (Humanities and Social Science).

3.1.3

What are the measures taken by the Institution to facilitate smooth progress and implementation of research schemes/ projects?

The institution provides:

- Adequate infrastructure and human resources
- Technological support
- Library resource and internet facility
- Research autonomy in terms of materials and methods
- Timely release of fund
- Encouragement from peer group and authority
- Audit facility for submission of Utilization Certificate

3.1.4

What are the efforts made by the Institution in developing scientific temper and research culture and aptitude among students?

- All departments encourage students to attend seminars and lectures pertaining to areas covered by the university curriculum, particularly on new research trends therein. The faculty often accompanies students for attending seminars organized by other Institutions.
- Departments organize seminars and invited lectures on recent research trends in their respective disciplines and also disseminate key ideas in the personal research projects undertaken by individual teachers.
- Although research by the students is not the prime focus of an undergraduate degree College, yet some of the teachers while class teaching try to imbibe research mind amongst the students by way of raising problem solving issues and encouraging the students to apply their mind.
- Few departments within the limited scope take the initiative to imbibe research temperament in students by involving them in different project works. Department of Zoology encourage students to take up short project works relevant to day to day life with the objective to build and develop science aptitude and research ability. In past few years the following projects have been conducted:
 - ☞ Relative abundance and market price of selected indigenous food fishes in Kolkata and adjacent areas
 - ☞ Monitoring of Blood Pressure before, during and after Diwali to observe the effects of Noise pollution

- ☞ Observation of insect fauna in East Kolkata Wetland.
- ☞ Students are also encouraged to present the research outcome in seminar and also to publish the results.

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.).

- ☞ Refer to Annexure 6: Research Report.

3.1.6

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

LIST OF SEMINAR/CONFERENCE ORGANISED BY COLLEGE

- ☞ Seminar on Mathematics and Computer Science-an Interface, State Level, UGC sponsored, March 14, 2009.
- ☞ Seminar on Tiger Day, Institution Level, sponsored by Bangabasi Morning College, Kolkata, October 05, 2012.
- ☞ Seminar on Conservation of Animals, Institution Level, sponsored by Bangabasi Morning College, Kolkata, October 05, 2013.
- ☞ Seminar organized by Botany Department, sponsored by Bangabasi Morning College, Kolkata, October 20, 2013.
- ☞ Seminar on Animals in Relation to Human Health, sponsored by Bangabasi Morning College, Kolkata, November 17, 2014.
- ☞ Seminar on Context and Culture in our Language Classrooms, International, sponsored jointly by Bangabasi Morning College, American Centre, Kolkata, February 9, 2015.

- ☞ Seminar on Corporate Fraud and its Impacts on Indian Business Environment, State Level, UGC sponsored, Kolkata, March 17, 2015.
- ☞ Conference on Environmental Impacts on Health: Towards a Better Future, National Level, UGC sponsored, Kolkata, March 27-28, 2015.
- ☞ Seminar on Cyber Crime, Institution Level, sponsored by IQAC, Bangabasi Morning College, Kolkata, September 16, 2015.
- ☞ Mathematics and its Impact on Natural Sciences, National Level, UGC sponsored, Kolkata, September 11-12, 2015.

3.1.7

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

- ☞ Refer to Annexure 6: Research Report.

3.1.8

Enumerate the efforts of the Institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

- The College invites eminent academicians and researchers to deliver lectures and interact with teachers and students during UGC sponsored seminars/workshops and departmental seminars.
- A list of eminent academicians and researchers who have visited the campus during the last four years is given below:

LIST OF EMINENT SPEAKERS

Sl. No.	Name of the Eminent Persons	Affiliation
1.	Prof. Amritava Gupta	Ex-Head of the Department Of Applied Mathematics, C.U
2.	Dr. Asim Chandra Pal	Professor, IIM, Kolkata
3.	Dr. Ashis Kumar Sengupta	Professor , ISI, Kolkata
4.	Dr. Uma Basu	Department of Applied Mathematics, C.U.
5.	Dr. Sanjoy Sen	Department of Applied Mathematics, C.U.
6.	Dr. Pradip Neogi	IIT, Kharagpur
7.	Dr. Prabhat Ranjan Ghosh	Vidyasagar Evening College.
8.	Dr. Kashinath Dey	HOD, Department of Computer Science, C.U
9.	Dr. Debiprasad Duari	Director Research and Academic, M.P. Birla Institute of Fundamental Research
10.	Dr. Amitava Raychudhury (Palit Professor)	Department of Physics, C.U
11.	Dr. Debnarayan Jana	Department of Physics, C.U
12.	Dr. Binayak S. Chaudhury	IEST, Shibpur
13.	Dr. Sudip Kumar Acharyya	Department of Pure Mathematics, C.U
14.	Dr. Sudip Kundu	Department of Bio-Physics, C.U
15.	Dr. Rishiraj Bhattacharyya	ISI, Kolkata
16.	Prof. Swagata Sen	Professor, Department of Commerce and Dean of Faculty Councils for Post Graduate Studies in Commerce, Social Welfare & Business Management
17.	Prof. Malayendu Saha	Professor, Department of Commerce, University of Calcutta and Vice Chairman of West Bengal State Council of Higher Education
18.	Prof. Dhruva Ranjan Dandapat	Professor, Department of Commerce, University of Calcutta and Chairman, U.G. board of studies in Commerce, University of Calcutta
19.	Mr. Saubhik Sarkar	Manager, Deloitte Haskins & Sells
20.	Dr. Ram Prahalad Chaudhary	Assistant Professor, Department of Commerce University of Calcutta
21.	Dr. Ananda Mohan Pal	Professor, Department of Business Management University of Calcutta
22.	Dr. Subhanil Chowdhury	Assistant Professor, Department of Economics, Institute of Development Studies Kolkata (IDSK)
23.	Dr. Tamal Taru Roy-Associate	Professor of Naba Ballyguange Mahavidyalaya
24.	S. Sreejesh	Section Officer, ICSI EIRO, Kolkata

25.	Prof Sobhan K. Mukherjee	Dept. of Botany, Kalyani University
26.	Dr. Manas Ranjan Ray	Former Assistant Director and Officer-in Charge (Research) and Head, Department of Experimental Haematology, Chittaranjan National Cancer Institute.
27.	Dr. Sankar Kumar Nath	Oncologist
28.	Dr. Parthiba Basu	Associate Professor, Ecology Research Unit, Department of Zoology & Centre for Pollination Studies, University of Calcutta
29.	Dr. Tarit Roychowdhury	Associate Professor, School of Environmental Studies, Faculty of Interdisciplinary Studies, (Law and Management)
30.	Smt. Saheli Mukherjee	Lecturer of Special Education, Monovikas Kendra and Rehabilitation Psychologist.
31.	Prof. A Gomes	Department of Physiology, University of Calcutta
32.	Dr. Rita Saha	Scientist and Govt. Analyst, Central Pollution Control Board, Ministry of Environment and Forests, Government of India.
33.	Prof. Pulak Lahiri	Former Sir Nil Ratan Sarkar Professor of Zoology, Department of Zoology, University of Calcutta
34.	Dr. Aniruddha Mukherjee	Department of Environmental Science University of Calcutta
35.	Prof Subrata Mukhopadhyay	Dean, Faculty of Science, Jadavpur University

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?

There is no provision for Sabbatical Leave under the Service Rules of the Government of West Bengal. However, during the last five years Sri Radharaman Bar, Sri Bimal Sarkar and Smt. Tulika Chakravorty have been granted leave for pursuing doctoral research under the Faculty Development Programme of the UGC. After successful completion of such programme Sri Bar has achieved the Ph.D. degree in 2015.

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).

Teachers in various departments of Science have recently conducted application based and community oriented researches during their doctoral work. The topics given below clearly indicate the Lab to Land approach of such research work:

Name of the Teacher	Department	Topic of research
Smt. Papiya Saha	Botany	Studies on salt induced physio-chemical changes in mungbean (<i>Vigna radiata</i> L. Wilczek) and its possible reversal by preconditioning with sodium chloride
Smt. Paramita Chatterjee	Botany	Studies on salt induced changes in growth and metabolism in some legume cultivars and its possible alterations by pretreatment with sodium chloride
Dr. Radharaman Bar	Botany	Diversity of Cypselar Features in some Compositae
Dr. Anindya Sarkar	Physics	Studies on Defect Dependent Properties in Oxide Superconductors and Some Other Oxides
Dr. Prasenjit Sarkar	Anthropology	The Kapali: a Backward Community in the Context of larger Society
Dr. Sreejata Biswas	Zoology	Earthworm species and gutflora associates: Assessment of their potential in improving soil fertility and bioconversion of organic wastes

Recently **Dr. Sreejata Biswas** is researching on a project for enhancement of soil fertility in Sundarban region by vermicomposting. The title of the work is Assessment of the Role of Earthworms in Remediation of Saline Soil of West Bengal.

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.

- There is no budget allocation earmarked for research activity.
- Research activities are based on personal initiatives and hence research projects are generally financed by the UGC are carried out by Faculty members and the College extends infrastructural facilities to them.
- The Institutional budget however includes allocation for the publication of the Academic Journal which gives vent to the research initiatives of the Faculty and students of the College.

Future Plan:

The College has plans to promote research work by allocating some fund in the near future.

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?

There is no such provision.

3.2.3

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

Till date small projects are given to students. Departmental teachers provide financial aid for conducting such work.

3.2.4

How do 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.

The College has not been able to undertake inter-disciplinary research. However, a positive step in this direction is the informal interactions among the faculty of different departments, especially for helping the College organize interdisciplinary seminars.

3.2.5

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

Students and staff use equipments for performing experiments, organizing seminars and exhibitions. All Departments have their relevant computer software and laboratory equipments which cater to the needs of the syllabus and examination. Teaching aids like Overhead projectors and LCD projectors are available on time-sharing basis to all departments for classroom teaching, presentations, special lectures, seminars and exhibitions.

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.

No grants received as of now.

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.

Nature of the Project	Name of the Faculty	Duration Year (From - To)	Title of the Project	Name of the Funding Agency	Total Grant		Total grant received till date
					Sanctioned	Received	
Minor Projects	Papiya Saha	2012-2014	Amelioration of salt induced physio-chemical changes by NaCl pre treatment in mungbean	UGC	1,98,000	1,89,000	1,89,000
	Sujata Sinha	2012-2014	Scattering of surface waves by small undulations	UGC	1,84,000	1,47,000	1,47,000
	Anindya Sarkar	2010-2012	A study on nanosized CMR magnitudes	UGC	1,77,000	1,26,000	1,26,000
	Ronita Roy	2014-2016	Gender inequality in the choice of subjects at the tertiary level: a comparative study of muslim women students in a few urban colleges in Kolkata and a few rural colleges in the suburbs of Kolkata	UGC	1,20,000	1,08,000	1,08,000
	Sreejata Biswas	2014-2016	Assessment of the Role of Earthworms in Remediation of Saline Soil	UGC	3,75,000	3,53,000	3,53,000

	Sanchita Bose	2015-2017	Bangla Bhasha-Chinta O Prabasi Patrika	UGC	1,80,000	1,45,000	1,45,000
Major projects							
Interdisciplinary projects							
Industry Sponsored							
Students' research projects							
Any other (specify)							

3.3- Research Facilities

3.3.1

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

- The students avail the instruments and equipments already existing in the departments.
- College library is well endowed with books, journals and e-resources. The College provides N-List programme of INFLIBNET offering access to a variety of e-resource portals.

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 research advisory committee and the IQAC are planning to upgrade the laboratories by purchasing new equipments.

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.

No grants received till date.

3.3.4

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

- Till now the College has no collaboration on research facilities outside the campus.
- However, recently a conference was held in the college collaboration with Das Research Centre and Clinical Laboratory. The IQAC has plans to make liaison with them for availing research facilities.
- Students can have access to online resources off-campus through the N-List programme.

3.3.5

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

- Departmental libraries provide standard reference books.
- The college is member of a good number of journals
- Internet facility helps to get additional information.
- INFLIBNET facility provides access to e-books and e-journals to the teaching staff and through them to the students.

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.

- Though the College does not have any research centre, over the last few years, it has made concerted efforts in upgrading its existing laboratories and libraries. The library has been computerized with internet facility.
- Computers are provided to every department
- New equipments as per the recommendations of the respective subject teachers have been purchased.

3.4- Research Publication and Awards

3.4.1

Highlight the major research achievements of the staff and students.

☞ **Refer to Annexure 6: Research Report.**

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 Institution publishes an Academic Journal “**Sambarta**”. It is a Peer reviewed journal.

Editorial Board:

- ★ The Principal : President
- ★ Smt. Malabika Bhowmick: Editor
- ★ Dr. Mukul Kumar Mitra
- ★ Dr. Amitava Dutta
- ★ Dr. Sreejata Biswas
- ★ Smt. Moumita Sarkar Samanta

3.4.3

Give details of publications by the Faculty and students.

☞ Refer to Evaluative Report of the Departments.

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.**
- **Dr. Amitava Dutta**, has been awarded as a Post-Doctoral Fellow (1998-2002) funded by National Science Council, Taiwan as well as Visiting Fellow (2008-2011) at Institute of Chemistry, Academia Sinica, Taiwan.
- **Dr. Mukul Kumar Mitra** received STA Fellowship sponsored by Japan International Science and Technology Exchange Center (JISTEC), JAPAN (From October, 1996 to March, 1998)
- **Dr. Anindya Sarkar:**
- ★ Travel Grant to work in ESRF, Grenoble for a short period.
 - ★ Training and Research in Italian Laboratories (TRIL) fellowship by International Center for Theoretical Physics (ICTP), Trieste, Italy, to visit and to carry out research work in Positron Collision Laboratory (2007 & 2009), Dipartimento di Fisika, Universita di Trento.
- **Dr. Nilanjan Patra:**
- ★ Received full-funding to participate three international conference/ workshop (Cairo, New York, Kampala).

- ★ Awarded Indian Council of Social Science Research (ICSSR) Doctoral Fellowship (Sep, 2008-July, 2010).
- ★ Received University Grants Commission (UGC) Central University Fellowship (Aug, 2007-Sep, 2008).

3.5- Consultancy

3.5.1

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

There has been no Institute -industry interface till now.

3.5.2

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

No such activity has been promoted till now.

3.5.3

How does the Institution encourage the staff to utilize their expertise and available facilities for consultancy services?

No Faculty is involved in consultancy formally till now.

3.5.4

List the broad areas and major consultancy services provided by the Institution and the revenue generated during the last four years.

No revenue is generated through consultancy till now.

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?

Not applicable.

3.6- Extension Activities and Institutional Social Responsibility

3.6.1

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

- Community services are rendered by Students' Union.
- In the year 2009 the college started an NSS wing. As per the National Service Scheme, under the Ministry of Youth Affairs & Sports Govt. of India, the NSS of our college works with a primary focus on the development of personality of students through community service. The wing regularly arrange programmes on important social and environmental issues like water crisis, thalassaemia awareness, importance of greenery and also perform social works in slums and villages. Intra-College Quiz Contest was organised by NSS for generation of environmental awareness. Plantation and maintenance of potted plants in college premises are other regular activities of the NSS.
- Various departments also conduct special programmes for training up students to contribute to good citizenship.

The following programmes are held to promote community services:

- ❖ UGC sponsored National Conference on environmental health
- ❖ Seminar on Save the Earth in collaboration with Greenpeace, internationally recognized organization in service of nature
- ❖ Departmental seminar on Conservation
- ❖ Seminar on Water conservation
- ❖ Thalassaemia Carrier test in collaboration with School of Tropical Medicine
- ❖ Thalassaemia awareness Campaign

- ❖ Cancer Awareness lecture
- ❖ Survey on noise pollution among citizens during festive seasons and among railway vendors of Sealdah station
- ❖ Blood donation camp
- ❖ Environment and scientific awareness programme.
- ❖ Campaign and survey on development of women and children in slum areas.
- ❖ Plantation of trees.
- ❖ Lectures on National Integration and patriotism
- ❖ Students' rally on social issues
- ❖ Debate, Workshop and Extempore organized by Women's Cell
- ❖ Adult literacy in adopted village by NSS

These activities are performed with the objective to inculcate a sense of social responsibility amongst the students.

Future Plan:

The college also plans to introduce Green audit in future.

3.6.2

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

- Institutionalized programmes involve the students directly under the supervision of the teachers
- Students' Union, NCC and NSS wings, Women's Cell keep records of the students' involvements in social activities which promote citizenship roles.

3.6.3

How does the Institution solicit stakeholder perception on the overall performance and quality of the Institution?

- As per NAAC guidelines following stakeholders have been included in the IQAC:

1. Chairperson: Head of the Institution
 2. Two administrative officers including the Bursar
 3. Six teachers including one of the senior teachers as the coordinator
 4. One member from the Management
 5. One nominee from local society, Students and Alumni each
 6. One Industrialist
- The College solicits stakeholder perception on the overall performance and quality of the Institution by
- ✦ Conducting meetings of the IQAC and getting feedback from stakeholders including Alumni and Students' representative.
 - ✦ Conducting Governing Body meetings on academic and administrative performance of the College.
 - ✦ Feedback from students and teachers regarding quality of teaching and Institutional infrastructure
 - ✦ Parent-teacher meetings.
- Views, opinions and assessment made by the students are harvested, carefully processed and necessary follow-up is made by the Department/Faculty/Heads in the form of curricular redesigning, dropping of existing or introduction of new courses and incorporation of current dimensions in their programme. The heads of the departments pay special attention to the matters involving the students' evaluation on the teaching, references used, teaching aids, and field visits arranged by every teacher. Whenever necessary, the matter is presented to the concerned authority with the view to cater to the needs of the students.

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.

- The Heads of different departments conduct departmental meetings to plan any extension or outreach programme. The probable expenditure is placed before the authority
- The NSS unit alongwith the Extension Activity Committee organizes different outreach programmes throughout the year. It places the budget to the Finance Sub-committee and acts accordingly.
- Students' Union also organizes extension activities.
- The Budgetary Details of Students Union Fund for the last two years are given below.

Budgetary Details of Students Union Fund

2013-2014			2014-2015		
Income	Expenditure		Income	Expenditure	
Rs. 12,00,000	Freshers' Welcome	1,80,000	Rs. 13,05,000	Freshers' Welcome	1,80,000
	Indoor Games	50,000		Indoor Games	40,000
	Outdoor Games	50,000		Outdoor Games	25,000
	Annual Sports	1,30,000		Annual Sports	1,50,000
	Students' magazine	50,000		Students' magazine	50,000
	Annual Social	4,30,000		Annual Social	4,50,000
	Daily News Paper and Sports Magazine	7,000		Cultural Competitions	25,000
	Educational Tour	2,20,000		Educational Tour	2,50,000
	Independence Day, Netaji's Birthday and Republic Day	60,000		Independence Day, Netaji's Birthday and Republic Day	60,000

	Celebration			Celebration	
	Saraswati Puja	60,000		Saraswati Puja	50,000
	Blood donation, Quiz and Cultural Competitions	80,000		Miscellaneous	1,00,000

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 encouraged from the very first day during the Inaugural Assembly to get involved in extension activities
- Through direct teacher-student interactions and through the Prospectus of the college students are motivated to participate in the extension activities organized by the College.
- Programme Officers of NCC and NSS wings encourage students to become members of the NSS and NCC units and actively.
- IQAC encourages the teachers for participation in outreach programmes and various extension activities.

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?

Social Justice

- The college maintains social justice by strictly adhering to transparency in all students' matter including admission and evaluation.

- Women's Cell regularly monitor that social justice to the girl students are maintained in the institution.

Students' Empowerment

- Students are encouraged to avail scholarships provided by the Government. Such scholarships help the students to meet their education expenditure during the three years under graduate period of study. Minority scholarship and aid under the Kanyashree scheme of the Government are regularly availed by the under-privileged students.
- The college offers Students' concession in the form of Half or Full free ship to the economically vulnerable students. Social surveys among the applicants are made by the teachers of the department to select the deserving candidate.
- Tutorial and remedial classes are held for academic upliftment.
- Career counseling by teachers also help to guide and mentor the students, specially belonging to the vulnerable sections of the society.

Health Services

During admission a nominal amount is charged from the students for the purpose of health services. The College students are beneficiary of **Students' Health Home** (SHH). Whenever necessary the students get all health services from **SHH**.

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 extension and outreach activities of the College are designed to inculcate in students a sense of social responsibility as a part of the endeavour to make them good citizens.
- Social consciousness and awareness about social activities and movements is undoubtedly an essential ingredient of higher education.
- The socio-economic problems dealt within the curriculum prescribed textbooks of social sciences cannot be truly comprehended unless students' vision is enlarged to the social realities.
- This is how the extension activities organized by the Institution serve to complement students' academic learning experiences.

These activities help to inculcate the values and qualities like

- ✦ Social values
- ✦ Moral values
- ✦ Responsibility and sense of dignity
- ✦ Leadership quality
- ✦ Discipline and punctuality
- ✦ Honesty and self respect

3.6.8

How does the Institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the Institution that encourage community participation in its activities?

- IQAC includes members from the community, specially one nominee from local society and one industrialist
- The Local Councilor who is also a member of the Governing Body of the College helps in ensuring the involvement of the community in the extension activities undertaken by the College.

- The inhabitants of the slum areas interact with the members of the NSS unit and offer suggestions regarding the services that would be truly beneficial for them.
- The participation of the local police station is also ensured for various extension activities and awareness programmes organized by the Institution.
- Local people may take part in programmes of social relevance like celebration of Independence Day.
- In a survey on Noise Pollution students made people aware of the harmful effects of pollution with a view to improve public health.
- The college advertises and invites the members of the community to participate in seminars and conferences on relevant issues like Environmental protection.

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 constructive relationships forged with other Institutions of the locality for various outreach and extension activities of the College are:

- Department of Mathematics of our college organized a UGC sponsored National Seminar in collaboration with Surendranath College, Kolkata .
- The college agreed to collaborate with Victoria Institution (College) to organize UGC sponsored seminar on Biophysics.
- Sealdah RPF organized Training Programme for security of the girls in the college campus.

- Women's cell in collaboration with Swayam, an N.G.O. working for the cause of women in West Bengal, organized Awareness Programme on gender sensitive issues.

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.

- In 2011-2012 session, Assistant NCC Officer (ANO), Lt. Debashish Chowdhury lead three cadets of Bangabasi Morning College in All India National Integration Camp (NIC) at Peddapuram (Kakinara Group), A.P., representing West Bengal and Sikkim Directorate. The team secures First position.
- In 2012-2013 sessions NCC of Bangabasi Morning College achieved the Best Cadet and Camp Senior CATC II Award.
- In 2014-2015 sessions one NSS volunteer of Bangabasi Morning College won State Level Award.

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.

Teachers of various departments conduct collaborative research activities. The collaborators are enlisted below:

- Dr. Subrata Mukhopadhyay
Dept. of Chemistry, Jadavpur University, Kolkata - 700 032

- Dr. C.H. Hung
Dept of Chemistry, Academia Sinica, Nangang, Taipei, Taiwan

- Dr.H.M.Lee
Dept. of Chemistry, National Changhua University of Education,
Changhua, Taiwan

- Dr. Enrique Cholacio
Departamento de Quimica Inorganica, Universidad de Granada,
Granada, Spain
- Variable Energy Cyclotron Centre (VECC), Kolkata, West Bengal

- Nuclear Science Centre (NSC), New Delhi

- University of Burdwan, West Bengal

- Indian Institute of Technology (IIT), Kharagpur

- Inter University Consortium (IUC), Kolkata, West Bengal

Recently the college organized a two day UGC sponsored National Conference in collaboration with Das Research Centre and Clinical Laboratory.

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.

MOU has been signed with George Animatrix School of Animation for introduction of Certificate Course in Graphic design for television and print media animation, Web design. The job oriented course will provide the students an opportunity to develop skill and enter the professional world being well equipped.

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.

No such interaction.

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.

The college organized the following National and International seminars in last four years. The names of the resource persons are enlisted below:

Name of the Activity	Theme	Date	Names of Eminent Contributors
International seminar	Context and Culture in our Language Classrooms	9.2. 2015	<ul style="list-style-type: none"> • Greg Pardo. Deputy director American Center. • Dr. Arpita Bannerjee Training Consultant British Council • Ketaki Bose Orient Blackswan. Ltd • Achyut Chetan Assistant Professor Dumka College • Dr. Susmita Neogi Associate Professor CU

			<ul style="list-style-type: none"> • Diane Miller RELO U.S.. Embassy India • Mangala Gauri Chakraborty Associate Professor Loreto College • Dr. Ananya Dutta Gupta Assistant Professor Vishwa Bharati Santiniketan • Dr. Sudev Pratim Basu Associate Professor Vishwa Bharati Santiniketan
National Conference	Environmental Impacts on Health: Towards a Better Future	27.3.2015 and 28.3.2015	<ul style="list-style-type: none"> • Prof Sobhan K. Mukherjee, Dept. of Botany, Kalyani University. • Prof. Pulak Lahiri, Former Sir Nil Ratan Sarkar Professor of Zoology, Department of Zoology, University of Calcutta. • Dr. Manas Ranjan Ray, Former Assistant Director and Officer-in Charge (Research) and Head, Department of Experimental Hematology, Chittaranjan National Cancer Institute • Dr. Sankar Kumar Nath, Oncologist • Dr. Parthiba Basu, Associate Professor, Ecology Research Unit, Department of Zoology & Centre for Pollination Studies, University of Calcutta • Dr. Tarit Roychowdhury, Associate Professor, School of Environmental Studies, Faculty of Interdisciplinary Studies, (Law and Management) • Smt. Saheli Mukherjee, Lecturer of Special Education, • Monovikas Kendra and

			<ul style="list-style-type: none"> • Rehabilitation Psychologist • Prof. A Gomes, Department of Physiology, • University of Calcutta • Dr. Rita Saha, Scientist and Govt. Analyst, • Central Pollution Control Board, • Ministry of Environment and Forests, • Government of India. • Dr. Aniruddha Mukherjee, Department of Environmental Science • University of Calcutta. • Prof Subrata Mukhopadhyay, Dean, Faculty of Science, Jadavpur University.
National Seminar	Mathematics and its Impact on Natural Sciences	11.9.2015 and 12.9.2015	<ul style="list-style-type: none"> • Dr. Amitava Raychudhury (Palit Professor), Department of Physics, C.U. • Dr. Debnarayan Jana, Department of Physics, C.U • Dr. Binayak S. Chaudhury, IEST, Shibpur. • Dr. Sudip Kumar Acharyya, Department of Pure Mathematics, C.U. • Dr. Sudip Kundu, Department of Bio-Physics, C.U. • Dr. Rishiraj Bhattacharyya, ISI, Kolkata.

3.7.5

How many of the linkages/ collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries

and cite examples (if any) of the established linkages that enhanced and/or facilitated.

- Under the Directorate of Distance Education of Vidyasagar University, Midnapore, West Bengal, Post Graduate Courses have been introduced in 2014. At present eighty students are enrolled.
- The college has signed MOU with George Animatrix School of Animation Certificate Course in Graphic design for television and print media animation and Web design in order to enhance the competence of students for the regional and global employment market.

Future Plans

- The College has planned to introduce Certificate Course in “Tally”.
- The IQAC is keen to introduce Faculty exchange programme with other institution.
- Department of Zoology is planning to introduce career or job oriented course / programme like Ornamental Fish Culture.

3.7.6

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

- Need for introduction of Post Graduation Course was felt from students' feedback .
- Academic subcommittee proposed to introduce PG course under distance education scheme so that students passing out from our college and also other colleges can pursue higher education even remaining engaged in some whole time job.
- Resolution was taken in the Governing body to introduce such course .

- Applications were sent to the concerned authority and the Sanction letter was received.

CRITERION 4: 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 Institution gives continuous effort for creation and enhancement of infrastructure to facilitate effective teaching and learning.

- There is no denying the fact that the department faces many challenges as far as the working space and man power are concerned. The College building is shared by three Colleges, viz. Bangabasi College, Bangabasi Morning College and Bangabasi Evening College. The infrastructure and Learning Resources jointly shared by the three colleges are:
 - ✦ Classrooms
 - ✦ Library including Reading Room
 - ✦ Laboratories
 - ✦ General and cash offices
 - ✦ Auditorium
 - ✦ Cheap Canteen
 - ✦ Girls' Common Room
 - ✦ Boys' Common Room and
 - ✦ A Meeting Room

- For exclusive use of Bangabasi Morning College are
 - ✦ One Physics Laboratory
 - ✦ One Mathematics Laboratory
 - ✦ One Botany Laboratory cum Teachers' room
 - ✦ One Students' Union Room

- With the introduction of Honours course in Chemistry a new laboratory has been constructed that is shared with Bangabasi Evening College.

- With the introduction of Honours course in Zoology a new laboratory cum class room is being constructed.
- New campus of Bangabasi Morning College has been renovated. Computer Science department runs there since December, 2013 in good academic ambience. Geography Laboratory and class rooms are also accommodated in the said campus. PG classes are also held there. Special classes of different departments are also held there after the usual working hour.

4.1.2

Detail the facilities available for

A) Curricular And Co-Curricular Activities – CLASSROOMS, TECHNOLOGY ENABLED LEARNING SPACES, SEMINAR HALLS, LABORATORIES, AND EQUIPMENT FOR TEACHING, LEARNING ETC.

B) Extra –Curricular Activities – SPORTS, OUTDOOR AND INDOOR GAMES, NSS, NCC, CULTURAL ACTIVITIES, PUBLIC SPEAKING, HEALTH AND HYGIENE ETC.

A. Curricular and Co-curricular Activities

Classrooms: There are 32 well equipped classrooms with teaching apparatus like green/black boards, sitting arrangements and tables for students, dais and chair for teacher etc.

Technology Enabled Learning Spaces: Many of the class rooms provide arrangements for use of technological aids. Physics, Mathematics and Computer Laboratory have the provision for technology based learning.

Seminar Hall: College possesses a spacious auditorium where seminars and conferences are held. Poster campaigns etc. are held in the boy students' common room.

Laboratories: Department of Physics, Department of Chemistry, Department of Botany, Department of Zoology and Department of Anthropology have

spacious laboratories shared with two other colleges in the same building. All departments have equipments for exclusive use. In addition Department of Physics and Mathematics have well equipped laboratories for exclusive use. One laboratory cum classroom is being constructed for Department of Zoology. Department of Computer Science and Geography have exclusive laboratories in the second campus.

Specialized facilities and equipment for teaching, learning and research.

Library: There is an enriched library with 26108 books including text and references. The INFLIBNET facility ensures access to online books and journals. Library of three colleges are situated at the same place and used according to their working hours. The departmental libraries are contained in separate almirahs and have separate issue registers. Usually In-charge of each Dept. looks after the Departmental Library.

Computer and ICT Facilities: Computer and internet facility is available in every department. There are LCD projectors in most departments.

A list of equipments possessed by the different Science Departments is given below.

Department Of Anthropology

List of Instruments

Serial No.	Name of the Instruments	Number
1.	Martin's Anthropometer	08
2.	Martin's Spreading Calipers	15
3.	Martin's Sliding Calipers	11
4.	Weighing Machine	02
5.	Parallalometer	03
6.	Pelvimeter	03
7.	Osteometric Board	05
8.	Microscope	02
9.	Sphagmomanometer	02
10.	Stethoscope	03
11.	Goniometer	03
12.	Tubular Craniophore	06
13.	Ishihara Chart	01
14.	Horizontal Needle	06
15.	Skin fold Calipers	01

16.	Tripod Stand	01
17.	Overhead Projector	01
18.	Overhead Projector Screen	01
19.	Camera	01
20.	Handycam	01
21.	Laptop	01
22.	PA Amplifier	02
23.	Atlas	01

List of Specimens

Serial No.	Name of the Specimens	Number
1.	Human Skull	14
2.	Human Pelvis	04
3.	Radius	05
4.	Ulna	07
5.	Femur	07
6.	Tibia	05
7.	Fibula	06
8.	Scapula	06
9.	Humerus	06
10.	Clavicle	05
11.	Lower Jaw	03
12.	Frontal Bone	01
13.	Occipital	01
14.	Parietal	02
15.	Maxilla	01
16.	Zygomatic	02
17.	Temporal	02
18.	Microliths	26
19.	Batton-De-Commandment	01
20.	Ring Stone	02
21.	Hammer Stone	01
22.	Neolithic Celt	10
23.	Laurel Leaf Point	05
24.	Harpoon	05
25.	Scyth	01
26.	Lance Point	01
27.	Core Tools (Lower + Middle Pal.)	68
28.	Pick	01
29.	Hoe	01
30.	Toradang	01
31.	Arrow	11
32.	Sickle	03
33.	Plough	06
34.	Net	03

Department Of Botany

Serial No.	Name of instrument	Number
1.	Autoclave	1
2.	Hot Plate	1
3.	Hot Water Bath Cum Shaker	1
4.	Electronic Balance	2
5.	Ordinary Balance	1
6.	- 20° Deep Freezer	1
7.	Incubator	1
8.	Telescope	1
9.	Mni Spectrophotometer & Colometer	1
10.	Cold Centrifuge	1
11.	Water Bath	1
12.	Centrifuge	1
13.	Microtome	1
14.	Ph Meter	1
15.	Binocular Compound Microscope	1
16.	Trinocular Compound Microscope	1
17.	Hot Air Oven	1
18.	Bacteriological Incubator	1
19.	Colorimeter	1
20.	Laminar Airflow	1
21.	Shaker Bod Incubater	1
22.	Vortex Shaker	1
23.	Printer	1
24.	Colour Printer	1
25.	Simple Microscope	10
26.	Compound Microscope	30
27.	Laptop	7
28.	Desktop	1
29.	Analytical Balance	5
30.	Re Frigerator	1
31.	Msp Re Frigerator	1
32.	Ctsp Re Frigerator	1
33.	Scanner	1
34.	Projector	1

Serial No.	Instruments	Number
1	Digital balance	1
2	Digital Conductometer	2
3	Digital PH meter	1
4	Manual Polarimeter	1
5	Digital Potentiometer	1
6	Silver electrode	1
7	Platinum electrode	1
8	Digital water bath	1
9	Melting point apparatus (electrical)	1
Serial No.	Apparatus	Number
1	Kipps apparatus	1
2	Pipette sucker bulb	3
3	Oswald's Viscometer	6
4	Stalagmometer	6
5	Analytical Burette	6
6	Burette (Normal grade)	20
7	Pipette	3
8	Water suction pump (tube like)	3
9	Volumetric flask (1000 ml)	1
10	Volumetric flask (500 ml)	2
11	Volumetric flask (250 ml)	4
12	Volumetric flask (100 ml)	2
13	Measuring cylinder Plastic (1000 ml)	2
14	Measuring cylinder Glass (500 ml)	2
15	Measuring cylinder Glass (250 ml)	2
16	Measuring cylinder Glass (100 ml)	2
17	Measuring cylinder Glass (50 ml)	2
18	Measuring cylinder Glass (10 ml)	2
19	Measuring cylinder Glass (5 ml)	1
20	Graduated Pipette (10 ml)	2
21	Buckner Flask (250 ml) and Funnel (2") with sintered glass	3
22	Buckner Flask (250 ml) and Funnel (3")	6
23	Beaker (500 ml)	2
24	Beaker (250 ml)	12
25	Beaker (100 ml)	25
26	Beaker (50 ml)	6
27	Conical Flask (500 ml)	1
28	Conical Flask (250 ml)	6
29	Conical Flask (100 ml)	6
30	Bunsen Burner	15

Serial No.	Instruments	Number
1	Monitor	17
2	Printer	1
3	UPS	5
4	Keyboard	17
5	Mouse	17
6	CPU	17
7	Scanner	1
8	Microphone + Speaker	1
9	Pendrive	1
10	Laptop	1+1(Used by Commerce Department)
11	Different I.C. Chip	535 pcs
12	LED	33 pcs
13	7 Segment Display	12
14	Resistance	197 pcs
15	Multimeter	15 pcs
16	OpAmp Power Supply	2
17	Clock Pulse Generator	5
18	SMPS	3
19	Cutter	5
20	Breadboard	17
21	Microprocessor	3

Department of Computer Science

22

Tool Set

1

Department of Geography

List of Instruments

Serial No.	Name of the Instruments	Number
1.	Air photo(stereo pairs)	4
2.	Box gateway tracing paper	1
3.	Diagonal scale	2
4.	Divider	1
5.	Engineering compass and extension bar	1
6.	Pocket Stereoscope	3
7.	Protector	1
8.	Rotameter	3
9.	Scale	1
10.	Scientific calculator	1
11.	Steadtlar colour pencil set	1
12.	Set of set square	1
13.	Set of graph paper	1
14.	Toposheet holders	2
15 .	Topographical Maps (plateau and plain)	10

Department of Mathematics

Serial No.	Instruments	Number
1	Desktops	7
2	Projector	1
3	Electrical Board (Given to Computer Section)	2
4	Printer	1
5	Laptops	2
6	Calculators	7

Department of Physics

Serial. No.	Name of the Instruments	Quantity
1.	Desktop Computer	1
2.	Laptop Computer	6
3.	Printer	2
4.	LCD Projector with Screen	1
5.	Overhead Projector	1
6.	Spectrometer	3
7.	Biquartz Polarimeter	2
8.	Fresnel's Biprism Set	1
9.	Single slit & Double slit	1
10.	Optical Bench	2
11.	Prism	5
12.	Diffraction Grating	4
13.	Sodium Vapor Lamp	5
14.	Mercury Vapor lamp	1
15.	Set for measurement of Pressure Co-efficient	2
16.	Set for measurement of Moment of Inertia	1
17.	Set for measurement of Modulus of Rigidity	2
18.	Carey Foster Bridge	3
19.	Set for determination of Static Characteristics of Transistor	2
20.	Bridge Rectifier Trainer Kit	2
21.	Zener Diode Trainer Kit	2
22.	Set for determination of Q-factor of L-C-R circuit	2
23.	Set for determination of Young's Modulus (Flexure Method)	2
24.	Digital Balance	2
25.	Travelling Microscope	5
26.	Physical Balance	5
27.	Tangent Magnetometer	3
28.	Oscillation Magnetometer	2
29.	Ammeter to Voltmeter conversion set	1
30.	Voltmeter to Ammeter conversion set	1
31.	Trainer kit for determination of internal resistance of	2

	analog voltmeter	
32.	Logic Gate trainer kit	3
33.	Setup for Newton's ring experiment	2
34.	Photo-sensor trainer kit	2
35.	Voltage Regulated Power Supply Kit	2
36.	Temperature Controller set	1
37.	OP-AMP trainer kit	2
38.	Digital Multimeter (ordinary)	15
39.	Digital Multimeter (sensitive)	5
40.	Regulated Power Supply (2V, 5V, 10V, 12V, 15V, 30V)	3 each
41.	Analog Voltmeter	20
42.	Analog milliammeter	15
43.	Digital Voltmeter	5
44.	Digital Ammeter	5
45.	Table Galvanometer (sensitive)	10
46.	Digital Galvanometer (Null Detector)	1
47.	Dead Beat Galvanometer	2
48.	Ballistic Galvanometer	2
49.	Spot-Reflecting Galvanometer	1
50.	Electromagnet (Research Type)	1
51.	Hall Experiment Setup	1
52.	B-H Loop Setup	1
53.	Cathode Ray Oscilloscope	5
54.	Microprocessor Unit	1
55.	Mutual Inductance Setup	1
56.	P.O. Box (3 ratio)	2
57.	Standard Resistance Boxes (0.1-500 ohms, 1-10000 ohms, 1-500 ohms)	10 each
58.	Standard Low Resistance (4 terminal)	5
59.	Standard Fixed Resistance (10 ohm)	6
60.	Standard Inducor Box (3 dial)	1
61.	Meter Bridge	5
62.	Potentiometer	3
63.	Thermocouple Setup	1
64.	Digital Stopwatch	10
65.	Analog Stopwatch	10
66.	Digital Thermometer	2
67.	Analog Thermometer	10
68.	Viscosity Setup	1
69.	Lee's Charlton Method Setup	1
70.	Stefan's Law Experiment Kit	2
71.	Moment of Inertia Setup	1
72.	Refractive Index Setup	3
73.	P-N Junction Setup	2
74.	Combination of Lenses Setup with Optical Bench	1
74.	Heating Mantle	3

75.	Electric Heater	3
76.	Hypsometer	3
77.	Boiler Flask	3
78.	Desiccator	2
79.	Grinder	1
80.	Barometer	1
81.	Fridge	1
82.	Microphone set	1
83.	Signal Generator	3

Department of Zoology

Serial. No.	Name of the Equipment	Number
1.	Dissecting Microscope	05
2.	Simple Microscope	06
3.	Projection Microscope	01
4.	Compound Microscope	28
5.	Oil immersion Microscope	01
6.	Rotary Microtome	01
7.	Hot plate	01
8.	Incubator	02
9.	Camera lucida	01
10.	Plane meter	01
11.	Centrifuge	01
12.	Colorimeter	02
13.	Chemical balance	01
14.	Glass Slides in slide box	21
15.	Vertebrate and invertebrate preserved specimens	
16.	Dissecting Tray	119
17.	Electric heater	01
18.	Over Head Projector	01
19.	Plankton net	01
20.	Digital Electronic Balance	02
21.	Digital pH meter with electrode	02
22.	Haemocytometer	01
23.	Tullgren funnel	01
24.	Digital camera	01
25.	Hand lens with stand	24
26.	Animal skeleton: pigeon and guineapig	2 sets each
27.	Binocular	01
28.	Laptop	01

B. Extra Curricular Activities.

Sports: The college has a big play ground with tent at Maidan. It is shared by the Bangabasi College and Bangabasi Evening College. Annual sports are held in this ground in the month of January.

Outdoor and Indoor Games: Equipments for indoor games like table tennis, chess, carom etc. are there in the students' common room. Outdoor games like football, cricket, badminton are played in the sports ground.

Gymnasium: College is proud to possess an equipped gymnasium.

NSS: NSS wing of the college holds programmes like seminars, debate, quiz, health checking camp etc. in the college auditorium, students' common room and in the second campus. Outreach programmes are held in slums and village.

NCC: College sports ground is utilized for NCC training.

Cultural Activities: Intra college cultural activities including dance and music competitions are held in the auditorium.

Public Speaking: Students rally on different socially relevant issues gives the students opportunity for public speaking. Other such opportunities are available during celebration of Rabindra Jayanti, Matri Bhasha Divas, Netaji's Birthday, Republic Day, Independence Day, Vivekananda's Birthday, College Foundation Day, P. K. Bose Memorial Day and Jatin Das Day.

Health and Hygiene: Health and hygiene is maintained by regularly cleaned toilets and laboratories. First aid is available in the departments. Students get health services in Students' Health Home.

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).

- The College faces a space constraint and has made efforts to fully utilize the available space. The availability of infrastructure depends on mutual agreements amongst three Colleges. For this purpose a coordination committee of three Colleges has been set up. The committee is responsible for the overall development of the buildings.
- In departmental meetings teachers and non-teaching staff discuss how the available infrastructure can be optimally utilized.
- The second campus has been renovated for optimum utilization.

Facilities developed/ augmented and the amount spent during the last four years is given below:

Facilities	<u>Existing in 2010- 2011</u>	Newly created in 2011-2012	Newly created in 2012-2013	Newly created in 2013- 2014	Newly created in 2014-2015
Campus area	26,136 Square Feet (0.6 acre)	0.0	150.0 Sq. Ft.	2099.82 Sq. Ft.	231.0 Sq. Ft.
Class rooms	25	0	0	7	1
Laboratories	8	0	1	1	2
Seminar halls	1	0	0	0	0
Value of the equipment purchased during the year		Rs. 2,99,755/-	Rs. 22,72,016/-	Rs. 35,400/-	Rs. 1,64,886/-
Library books No.	25,150	252	391	79	236
Library books Value	Rs. 9,39,164/-	Rs. 53,148/-	Rs. 90,899/-	Rs. 38,820/-	Rs. 97,437
Journals	885	80	79	71	96
Value	Rs. 39,500/-	Rs. 5230/-	Rs. 7,830/-	Rs. 5,990/-	Rs. 8,180

(Master Plan Enclosed: Campus 1 and Campus 2)

4.1.4

How does the Institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

The Institution does not have any specific infrastructure facilities to meet the requirement of students with physical disabilities. Care and sympathetic behavior compensate this lacuna to some extent.

4.1.5

Give details on the residential facility and various provisions available.

The College does not have any residential facility for students. However housing facility is available for selected staff as per need.

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?

- Health care facility on campus is provided by the teaching and nonteaching staff as per need.
- College provides clean drinking water by installing water purifier.
- Professors' lounge and Students' common room serve as a rest rooms.
- Wash rooms and toilets are cleaned regularly.
- First aid kit is available for emergencies.
- Subsidized medical treatment at the Students' Health Home is available for all students.

4.1.7

Give details of the common facilities available on the campus – spaces for special units.

IQAC: Meetings are held in the Meeting room and the office of the Principal. Documents and papers are kept in a separate almirah in the general office.

Grievance Redressal Unit: There is a drop box for submitting the grievance notes/ letters in front of the Principal's office. Meetings are held in the office of the Principal.

Women's Cell: Programmes are organized in the auditorium or large class rooms. Meetings are held in the office of the Principal.

Counseling and Career Guidance: Lectures are delivered in the auditorium. Counseling is done in class rooms.

Placement Unit: N.A.

Health Centre: N.A.

Canteen: Students' canteen is on the ground floor and a small staff canteen is adjacent to the professors' lounge.

Recreational Spaces for Staff and Students: Professors' lounge has a television for recreation. Students' common room has equipments for various indoor games. Library offers reading space for students and staff.

Safe Drinking Water Facility: Water purifiers provide safe drinking water.

Auditorium: Prasanta Kumar Bose Auditorium is a spacious auditorium with good acoustic and ventilation facility.

4.2- Library as 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 College has a Library Advisory Committee
- Composition of Library Advisory Committee
 - ✦ The Principal, Chairperson
 - ✦ Sri Arup Debnath, Assistant Professor in English, Convenor
 - ✦ Smt. Amita Mazumder (B.Lib.), Part Time Teacher in Anthropology,
 - ✦ Smt. Moumita Sarkar (Samanta), Assistant Professor in Commerce
 - ✦ Smt. Susmita Koner, In Charge of the Dept. of Computer Science
- This Committee has taken initiatives towards
 - ✦ Provisions of Internet Facility for the students and teachers.
 - ✦ Digitization and Modernization of the Library.
 - ✦ Introduction of INFLIBNET
 - ✦ Introduction and execution of Book Bank
 - ✦ Preservation of books.
 - ✦ Old books disposal.
 - ✦ Pest control

4.2.2

Provide details of the following:

- Total area of the library (in sq. Mts.): 60 (approx.)
- Total seating capacity
 - ✦ Student –60
 - ✦ Teachers – 15
- The library has 26,108 books
- Working Hours On working days – 07.30 AM to 11.30 AM
- Working Hours On holidays – Library remains closed

- Working Hours Before Examination days – 06.40AM to 11.30 AM
- Working Hours During Examination Days – 06.40AM to 11.30 AM
- During Vacation – Library remains closed
- Individual reading carrels – 4.00 sqft
- Lounge Area for browsing – 12.00 sqft

4.2.3

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

Library takes initiative to purchase and use new books and journals. The details of purchase during the last four years are given below.

Library Holdings	2011-2012		2012-2013		2013-2014		2014-2015	
	Number	Total cost	Number	Total cost	Number	Total cost	Number	Total cost
Text and Reference books	252	Rs. 53,148/-	391	Rs. 90,899/-	79	Rs. 38,820	236	Rs. 97,437
Journals/ Periodicals	80	Rs. 5,230/-	79	Rs. 7,830/-	71	Rs. 5,990	96	Rs. 8,180
E-resources								
Any other (specify)								

4.2.4

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

OPAC: Recently introduced
Electronic Resource Management package for e-journals : Yes, subscriber of N-LIST programme of INFLIBNET
Federated searching tools to search articles in multiple databases- No
Library Website- Yes
In-house/remote access to e-publications: No
Library automation -Yes, Library Management System installed
Total number of computers for public access : 2 Computers
Total numbers of printers for public access- 1 Printer
Internet band width/ speed □ 2mbps □ 10 mbps □ 1 gb (GB) : 512kbps
Content management system for e-learning-No
Participation in Resource sharing networks/consortia (like Inflibnet): Members of N-List

4.2.5

Provide details on the following items:

- ✦ Average number of walk-ins: 50 users / day
- ✦ Average number of books issued/returned: 25 / day
- ✦ Ratio of library books to students enrolled: Books: students = 9:1
- ✦ Average number of books added during last three years: 241 /year
- ✦ Average number of login to opac (OPAC): Newly introduced
- ✦ Average number of login to e-resources: 40/month
- ✦ Average number of e-resources downloaded/ printed: Not recorded
- ✦ Number of information literacy trainings organized: None so far
- ✦ Details of “weeding out” of books and other materials: About 50 books/ year which are back edition and fragile books

4.2.6

Give details of the specialized services provided by the library .

The library provides specialized services like

- ★ Manuscripts - ☒
- ★ Reference - ☑
- ★ Reprography - ☒
- ★ ILL (Inter library loan service) - ☒
- ★ Information Deployment and Notification - ☑
- ★ Download ☑
- ★ Printing ☒
- ★ Reading List/Bibliography compilation ☑
- ★ In-house / remote access to e-resources ☒
- ★ User Orientation and awareness ☑
- ★ Assistance in searching databases ☑
- ★ INFLIBNET/IUC facilities ☑
- ★ Provision of general information - ☑
- ★ Provision of specific information - ☑
- ★ Assistance in location (or searching) of document - ☑
- ★ Assistance in the use of library catalogue - ☑
- ★ Assistance in the use of Reference Books - ☑
- ★ Reservation of documents - ☑
- ★ User Education - ☑

- ✦ Readers' advisory service -

4.2.7

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

- The Library staff gives information on new arrivals by providing list of additions, display of book jackets, exhibition of new material, etc.
- Library staff helps the new users by appraising them of how to use the library.

4.2.8

What are the special facilities offered by the library to the visually/ physically challenged persons? Give details.

The college library presently does not have any special facility for visually challenged student. However library staff deals with care with the physically challenged students.

4.2.9

Does the library get 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?)

- Students give feedback to the departmental teachers. Teachers inform the librarian directly or in meetings regarding the problems students face in the library.
- The feedback is finally reported to the Principal.
- Library advisory committee and IQAC take necessary action.

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)
- Number of desktops: 31 (Processor: Intel Pentium(R) Dual-Core CPU E5700, 3.00 GHz. RAM: 2GB.)
- Number of laptops: 30 (Processor Intel (R) Core (TM) i3-2310M onwards, 2.10- 2.16GHz of 32 bit. RAM: 2 GB)
- Computer-student ratio--- In Computer Science department 1:1
- Stand alone facility--- In every department excluding Computer science department
- LAN facility--- Available in second campus
- Wi-Fi facility--- Available in main campus
- Licensed software:
 - ☞ Software: Academic
 - ★ Teaching Aid Software
 - ★ Library Management System
 - Designed and developed by Susmita Koner and Ishita Das, Lecturers of Computer Science Department.
 - ★ Feed Back Mechanism
 - ★ Students' Profile Mapping
 - ☞ Software: Administrative
 - ★ E-Pradan Accounts Management Software replacing COSA

- ✦ P F Software: Designed and developed by Dr. Mukul Kumar Mitra, department of physics, Coordinator of IQAC.

- Number of nodes/ computers with Internet facility: 37
- Any other
 - ❖ NLIST – Online access to journals through INFLIBNET
 - ❖ Feedback web applications for the Principal and the IQAC

4.3.2

Detail on the computer and internet facility made available to the Faculty and students on the campus and off the campus

Computer and internet facility are available in every department for both faculty and students.

4.3.3

What are the Institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

- The College is planning to provide LCD projector to every department
- The College has already provided computers and internet facility to the departments.
- The College has provided e-learning facility in the campus and at home by way of providing NLIST.
- Software is provided where teachers can maintain academic records like

Academic Calendar, Question bank, Evaluation report etc.

4.3.4

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

Technology up gradation and maintenance in last four years

Year	Total computers	Amount spent for ICT maintenance
2011-2012	10	Rs. 44,423.00
2012-2013	57	Rs. 1,51,387/-
2013-2014	57	Rs. 34,768/-
2014-2015	61	Rs. 35,950 (Approx.)

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?

- The institution provided ICT facilities in the departments .
- IQAC encouraged teachers to use ICT facilities to the maximum extent.
- Library management has been digitized.
- Computer training has been provided to three office staff.
- Office has been digitized.
- INFLIBNET is introduced.
- Software has been introduced for office and academic management.

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.

- The College ensures the availability of ICT facilities to the faculty and students by installing adequate number of computers, upgrading them regularly and procuring the latest software.

- Teachers are making efforts for increasing the use of ICT for teaching-learning activities within the available resources. Class lectures are often conducted with the help of laptop and LCD projector.
- The departmental seminars/workshops are conducted using these aids.
- Students are encouraged to make power point presentations at the departmental seminars.
- The teachers also make use of Teaching Aid Software to eliminate repetitive work in documentation.

4.3.7

Does the Institution avail the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

The Institution has not yet availed of the service under the National Knowledge Network connectivity.

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)?

	2011-12	2012-13	2013-14	2014-15
Building and Furniture	Rs. 4,04,818	Rs. 16,07,028	Rs. 66,70,035	Rs. 65, 29,896
Equipments	Rs. 59,248	Rs. 22,72,016	Rs. 1,92,648	Rs. 1,64,886

Computers and ICT	Rs. 44,423	Rs. 1,51,387	Rs. 34,768	Rs. 35,950
Vehicles	-----	-----	-----	-----
Any other	Rs. 1,74,680	Rs. 8,64,861	Rs. 4,32,219	Rs. 3,75,092

4.4.2

What are the mechanisms for maintenance and upkeep of the infrastructure, facilities and equipments of the College?

- The Governing Body on the basis of the recommendations of Finance Sub-Committee takes decisions regarding maintenance of infrastructure and equipments.
- Annual Maintenance Contracts (AMCs) are made for maintenance of equipments such as computers, copier machines, water purifiers, etc.
- An electrician is attached to the College for maintenance of electrical fittings.
- Carpenters are hired as and when required.
- Pest Control is done regularly.
- Maintenance of shared property is jointly done by the three colleges viz. Bangabasi Morning College, Bangabasi College and Bangabasi Morning College.

4.4.3

How and with what frequency does the Institute take up calibration and other precision measures for the equipments/ instruments?

- The teachers and support staff of various departments check the equipments during conducting classes

- Instruments are checked and calibrated whenever any error is reported.

4.4.4

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

- Voltage stabilizers are used to stabilize the fluctuation of voltage for protection of sensitive equipments.
- There are overhead water tanks that take care of constant water supply.
- An electrician is attached to the College for maintenance and upkeep of all electrical fittings.

CRITERION 5: 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 annually. At the beginning of each academic session the prospectus is handed over to students.
- The Prospectus contains information like
 1. From the Desk of the Principal
 2. History of the College
 3. Goal and Objectives of the College
 4. Achievements
 5. Motto
 6. The List of Members of the Governing Body
 7. Departments and Faculties
 8. Non-Teaching Staff
 9. Rules of Admission
 10. Course Structure with Distribution of Marks for B.A./B.Sc./B.Com. (Hons. & General) Course of Studies under 1+1+1 System of Examination

11. University of Calcutta Rules and Regulations for Admissions to Three Years General Degree Course
 12. Subjects Taught and Permissible Combinations B.A./ B.Sc./ B.Com. (Hons. & General Degree Course of Studies)
 13. Subject Code
 14. Specimen of University Registration Form
 15. Details of College Fee and Charges
 16. Academic Calendar of CU
 17. Fees, Registrations and Concessions
 18. General Information
 19. Facilities for the Students
 20. List of Holidays
 21. Floor-wise Planning of College
- In addition an Academic Calendar for each stream is published, i.e. three academic calendars for B.A., B.Sc. and B.Com. Courses. It contains chapter wise lesson plan allocated to each faculty.
 - The departments, sub-committees and cells of the Institution ensure that the facilities mentioned in the prospectus are made available to the students in every academic session and records of all such activities are maintained with great diligence. The system of student feedback, parent-teacher meetings, and the Institutional mechanism of review/appraisal through the Governing Body, IQAC, Finance Committee, Teachers' Council, Academic sub-committee, etc. ensure the commitment and accountability of the Institution.

5.1.2

Specify the type, number and amount of Institutional scholarships/ freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?

Financial support for students for the last four years:

FREESHIPS / SCHOLARSHIPS

Year	Government Scholarships		College Freeships		Other Sources	
	No.	Amount	No.	Amount	No.	Amount
2011-2012	175 (Minority)	Rs. 3,29,365	18 Full Free 255 Partial Free	Rs. 1,37,425	----	----
2012-2013	270	Rs. 4,97,050	81	Rs. 26,425	138 (NCC)	Rs. 11,400
2013-2014	307	Rs. 6,15,300	92	Rs. 26,610	150 (NCC)	Rs. 20,890
2014-2015	77	Rs. 3,69,600	31	Rs. 16,560	134 (NCC)	Rs. 22,540

5.1.3

What percentage of students receives financial assistance from state government, central government and other national agencies?

- Each year on an average 5% students belonging to SC/ST/OBC category receives backward class stipend.
- Each year on an average 2 – 8% percent students belonging to Minority category receives minority class stipend.

- In 2014-2015 approximately 1% of the total girl students receive financial benefit under the Kanyashree Prakalpa. Criteria:
 - ✦ Unmarried girl
 - ✦ Annual family income Rs. 1, 20,000.00 (Maximum)
 - ✦ Age 18 years and above

5.1.4

What are the specific support services/ facilities available?

- Students from SC/ST/OBC and economically weaker sections try to avail the scope of getting scholarships from the Government of West Bengal on the basis of application duly authenticated by the Principal.
- There is an SC/ST cell in the college to look after the matters related to these students.
- Students with physical disabilities (if any) are provided fees concession.
- The College does not have any overseas students.
- Students participating in various competitions are given academic support by the teachers. Expenses are also shared from the Students' Union Fund.
- Medical assistance is provided to students through membership of Students' Health Home.
- MCQ type questions, group discussions are certain ways followed in order to train up students for competitive exams. College has future plans to organize coaching classes for competitive exams.
- Department of English by conducting regular question-answer sessions in the classes helps students to develop skill like Spoken English.
- Remedial and Tutorial Classes are held to support slow learners.

- Excursions and Field study tours are arranged by different departments and students are taken to other Institutions like Narendrapur Ramakrishna Mission, Museum and Research Centres.
- College publishes Annual Magazine to encourage students to develop their writing skill. Departmental Wall Magazines also serve the same.

5.1.5

Describe the efforts made by the Institution to facilitate entrepreneurial skills among the students and the impact of these efforts:

Entrepreneurial skills among students are developed in various ways:

- By conducting various programmes like seminar, debate etc. the Institution gives exposure to students to develop Language Skill.
- Teachers encourage students to develop Leadership Quality.
- NCC and NSS activities facilitate entrepreneurial skills among students.
- Students in different institutions where excursions are conducted get practical training on certain self employment activities like poultry rearing, medicinal plant gardening etc. Interested students take further training on these subjects.

5.1.6

Enumerate the policies and strategies of the Institution which promote participation of students in extracurricular activities such as sports, games, Quiz competitions, debates and discussions, cultural activities etc.

- Regular extracurricular activities are organized and students are encouraged to participate in them.

- Competitions are held in music, dance, debate, quiz and recitation. Prizes are awarded for outstanding performances.
- Additional academic support is provided by teachers of every department to students who join such activities.
- Prizes are awarded in Sports for good performance. Track suits are given.
- The Students' Union mobilizes fund from the yearly subscription received from all students of the College and such fund is then utilized by the Students' Union to promote participation of the students in extracurricular 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, ATE, CAT, GRE, TOFEL, GMAT, State Services, Defense, Civil Services etc.

- The College being an undergraduate Institution, most of the students aspires for higher studies after passing out from this Institution.
- Apart from the University Curriculum the College provides support and guidance to the students for preparing them for competitive examinations. This is mainly in the form of acquainting them with the structure of preliminary/final examination/ entrance tests in various fields such as Civil Services, School Service, etc.
- The College also provides assistance to students through Career Counseling offered by teachers.
- Small number of students takes up jobs in the private sector as primary teacher, BPO personnel, etc.

5.1.8

What type of counseling services are made available to the students (academic personal, career, psycho-social etc.)

- Academic counseling is provided to students all through their three year tenure in the College. Students of first year are also given special academic counseling to acquaint them with the Calcutta University examination system. Teachers also provide academic counselling through remedial classes, either individually or in small groups. Such counseling is held in addition to the scheduled classes given in the College time-table.
- Career Counseling is provided by teachers.
- Student mentoring by teachers is undertaken with each teacher having a small group of students, for interaction on one-to-one basis.
- After the College Examinations and before the University Examinations students are counseled, so that they can rectify their errors, miss-conceptions and achieve good marks in the Final Examination.
- Sometimes present and ex-students, even their parents consult the teachers for advice about future career and other personal problems.
- College appointed a Students' Counselor to help students regarding their psychological problems.

5.1.9

Does the Institution have a structured mechanism for career guidance and the placement of its students? If 'yes', detail on the services provided to help the 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).

- The College does not have any structured mechanism for career guidance and placement.
- Information regarding employment, placement and training are displayed in the Student's Notice Board from time to time.
- Advertisements of prospective employments are also provided.

5.1.10

Does the Institution have a grievance redressal cell? If yes, list (if any) the grievances reported and redressed during last four years.

There is a Grievance Redressal Cell. The nature of the grievances and their redressal are mentioned below.

Year	Grievances	Redressal
2012-2013	<ul style="list-style-type: none"> • Students' rigorous demand for filling up unallotted classes • Space Problem 	<ul style="list-style-type: none"> • Guest Lecturers in different departments have been appointed. • College authority started renovating the new campus for Computer Science Department.
2013-2014	<ul style="list-style-type: none"> • Misbehaviour of outsiders towards girl students • Need for introducing popular subject 	<ul style="list-style-type: none"> • Introducing ID cards, Checking of ID card at the entrance, restricting use of mobile phones, banning use of tobacco, gutkha etc. • : Honours courses have been introduced in case of Chemistry and History. New course of Geography General and Honours courses Zoology, Hindi are applied for.
2014-2015	<ul style="list-style-type: none"> • Misbehaviour towards girl students 	<ul style="list-style-type: none"> • Women' Cell has been established and is

	<ul style="list-style-type: none"> • Demand for introducing PG course 	<p>functioning in order to look into gender sensitive issues. In addition to this CCTV has also been installed.</p> <ul style="list-style-type: none"> • College has started PG course under the Distance Education Learning Scheme of Vidyasagar University, West Bengal.
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5.1.11

What are the Institutional provisions for resolving issues pertaining to Sexual Harassment?

- Women's Cell has been formed and empowered for resolving issues pertaining to sexual harassment, if any.
- Earlier the Grievance Cell used to look after such matters.

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?

- College has formed an Anti-Ragging Committee as per UGC norms.
- No instances have been reported till date.

5.1.13

Enumerate the welfare schemes made available to the students by the Institution.

- Institution supports students to avail Government aids for Minorities and under Kanyasree project

- Fee waivers (in full & partial)
- Student Health Home facilities
- Cheap canteen

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?

- The College does have an Alumni Association which is not a registered body but meets on a regular basis and looks into the welfare of students.
- One representative member of Alumni Association is a member of IQAC and gives important input for academic and infrastructural development.
- Alumni association organizes Annual Reunion in which eminent ex – students are felicitated. Cultural Programme is organised. A souvenir is also published.
- Members of Alumni Association give feedback for maintaining the heritage of the institution and for betterment of academic atmosphere.
- The Alumni Association has a separate website (www.bangabasimorningcollegealumniassociation.com).

5.2- Students Support and Progression

5.2.1

Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

Student progression	In Percentage (%)
UG to PG	15%
PG to M.Phil.	Not known
PG to Ph.D.	Not known
Employed	N.A.
✓ Campus selection	
✓ Other than campus recruitment	60%

5.2.2

Provide details of the programme wise pass percentage and completion rate for the last four years (course 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.

No. of students appeared and passed the University Examinations in the last 4 academic years (Only Regular).

Session	Total	General		Honours	
	Appeared	Appeared	Pass Percentage	Appeared	Pass Percentage
2011-12					
P – I	2531	1762	65.26	769	78.93
P – II	977	679	82.62	298	84.56
P – III	1281	895	21.34	386	41.45
Session	Total	General		Honours	
	Appeared	Total	Pass Percentage	Total	Pass Percentage
2012-13					
P – I	2358	1476	45.46	882	44.67
P – II	1390	967	86.52	423	73.83

P – III	496	118	32.01	378	72.88
	Total Appeared	General		Honours	
2013-14		Total	Pass Percentage	Total	Pass Percentage
P – I	2741	1984	45.96	757	78.46
P – II	1356	933	63.66	423	95.27
P – III	886	703	16.07	183	57.37
	Total Appeared	General		Honours	
2014-15		Total	Pass Percentage	Total	Pass Percentage
P – I	1939	1086	Results awaited	853	Results awaited
P – II	1384	971	Results awaited	413	Results awaited
P – III	810	608	35.14	202	14.8

5.2.3

How does the Institution facilitate student progression to higher level of education and/ or towards employment?

- Teachers give continuous guidance and academic support and provide learning materials so that students may succeed in exams.
- Information regarding scope of higher education and employment is provided by departmental teachers as well as through the library.
- PG course under the Directorate of Distance Education of the Vidyasagar University has been introduced to help students continue higher education. Considering the fact that many of the students join

part time jobs after graduating from this college distance education has been introduced.

5.2.4

Enumerate the special support provided to students who are at the risk of failure and drop out.

- Teachers take special care and devote individual attention to students who are at risk of failure. Such classes are held in addition to the scheduled classes given in the College time-table. Lecture notes are simplified according to the learning ability of such students.
- The guardians of such students are kept informed about the problem faced by the students. Such meetings are held on a regular basis so that the concerted efforts of both teachers and guardians may help these students tide over their academic problems.
- Mentoring of students by teachers is another measure in this regard.
- The freships provided to underprivileged students also helps to minimize drop out.

5.3- Students Participation and Activities

5.3.1

List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

Every year students participate in Cricket and Football tournaments organized by the University of Calcutta. Besides, the college organizes the following events:

Name of the activity	Observed on/ in	Students' participation	Significance

Afforestation	July	300	Environmental consciousness
Rakshabandhan	July- August	1000	Spirit of friendship
Independence Day	15 th August	2000	Patriotism
Freshers' welcome	September	3000	Spirit of friendship
Teachers' Day	5 th September	3000	Paying homage to Teachers
Football league	April	200	Sportsman spirit
College Excursions	December to March	500	Acquiring firsthand knowledge through experience
Annual Social	January	3000	Satisfy cultural and social need
Celebration of Netaji's Birthday	23 rd January	1500	Patriotism
Celebration of Republic Day	26 th January	1500	Patriotism
Matri Bhasha Dibas	21 st February	2000	Patriotism
College Sports	January	2500	Sportsman spirit
Saraswati Puja	February	2500	Social and religious function
Rabindra Jayanti	9 th May	2500	Cultural Function
Environment Day	5 th June	1000	Environmental consciousness

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.

In 2014-15 a girl student of First Year B.Sc. course, Vaishali Gupta, won the First Prize in 400 metre race of C.U. North Calcutta District Sports Championship.

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?

- The IQAC obtains feedback from the alumni and other external members seeking suggestion of how to improve the performance and quality of the Institutional provisions including curriculum
- Students' Feedback is seriously obtained, analyzed and actions are taken accordingly.
- Parent-Teacher meetings are held by the departments specially in connection to the students who do not perform well in class tests or in regular evaluations and Mid Term examinations. The views of the parents during their interaction with Teachers and Heads are also considered in the improvement of the academic programmes. The parents are encouraged to meet the faculty members including the heads of departments whenever they feel to do so.

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' Union under the guidance of an Editor Teacher and an editorial board publish College Magazine annually. Teachers and senior students motivate students to express their creative talent through their writings in this magazine.
- Wall Magazines are published by some of the departments regularly.

Publications by Students during Previous Academic Sessions

Year	College magazine	Wall Magazine	Others
2011-2012	Articles Poems Short stories	Dengue: a serious threat.	-----
2012-2013	Articles Poems Short stories	Expedition to Moon: ISRO achievements	-----
2013-2014	Articles Poems Short stories	<ul style="list-style-type: none"> • Medicinal Plants • Search for God Particle • Parental care in animals 	<p>“Survey on relative abundance and market price of selected indigenous fishes in Kolkata and adjacent areas indicating trends in biodiversity loss of food fish” by Atanu Saha, Soutick Jana, Pinaki Das, Arnab Bose and Sreejata Biswas, published in Book of Abstract of West Bengal State Science and Technology Congress</p>
2014-2015	Articles Poems Short stories	<ul style="list-style-type: none"> • Air pollution and its effects • Nuclear hazards in human life 	<p>“Noise Pollution: a Menace of City Life” by Kishor Sayd Mondal, Rashmita Saha, Khanthaychaa Namchoom, and Arnab Banerjee. “Crisis of the Coral Reefs” by Shivani Swarup, Priya Bhowmick and Shaira Bano. Both published in Book of Abstract of UGC sponsored National Conference on Environmental Impacts on</p>

			Health: towards a better future.
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5.3.5

Does the College have a student council or similar body? Give details on its selection, constitution, activities and funding.

- The College has an active Student's Union.
- As per the university rules it is formed through an election process held annually.
- Each class (stream-wise and year-wise) is represented by class representatives.

Composition of Students' Union

Patron –in- Chief	The Principal
President	Senior Teacher
Vice President	Student
General Secretary	Student
Assistant General Secretary	Student
Treasurer	Student

Different Subcommittees

Cultural	Sports	Magazine	Common Room	Finance
President (Teacher)	President (Teacher)	President (Teacher)	President (Teacher)	President (Teacher)
Vice President (Student)	Vice President (Student)	Vice President (Student)	Vice President (Student)	Vice President (Student)
Secretary (Student)	Secretary (Student)	Secretary (Student)	Secretary (Student)	Secretary (Student)

- During admission of a student to the first, second and third year every student pays an annual subscription which is kept in the Bank Account of the general fund.
- Students union manages their fund by making a budget of tentative expenditure.
- The students union assists the Principal to organize
 - ✦ Games and Sports activity – Annual Sports, Prize Distribution Ceremony.
 - ✦ Cultural Programme – College Social, Fresher's Welcome
 - ✦ Farewell function, Music and Dance competition etc.
 - ✦ Literary activities – Publication of Magazines
 - ✦ Intellectual activities – Quiz, Debates, etc.
 - ✦ Social activity – Blood Donation Camp etc.

Students' Union celebrates Teachers' Day with great enthusiasm.

5.3.6

Give details of various academic and administrative bodies that have student representatives on them.

- As per Calcutta University statutes, there is an elected representative of the students in the Governing Body of the College, who is duly notified for attending all Governing Body meetings.
- The Internal Quality Assurance Cell (IQAC) also has a student member.
- Sub-committees related to student affairs also have student representatives as mentioned below:
 - ✦ Admission Committee
 - ✦ Women's Cell
 - ✦ Grievance Cell
 - ✦ Cultural Committee

- ✦ Anti ragging Committee

5.3.7

How does the Institution network and collaborate with the alumni and former Faculty of the Institution?

- Alumni Association organize an annual reunion to maintain the network.
- Former faculty members are invited in all academic programmes like seminar and special lectures organized by the institution.
- IQAC keeps contact with the alumni through their representative member.

CRITERION 6: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1- Institutional Vision and Leadership

6.1.1

State The Vision And Mission Of The Institution. Enumerate On How the Mission Statement Defines the Institution's Distinctive Characteristics.

Vision

The motto inscribed in the emblem of the college upholds the ideals of the institution. It is taken from the Bhagwad Gita: "*Pranipatena Pariprasnena Sevaya*": It is through reverential questioning that one learns, and that knowledge ultimately helps render service to the cause of humanity.

Mission

The college, with its glorious tradition in teaching and scholarship, follows the mission of disseminating higher and progressive education. The basic tenet of the institution is : Pay homage to your Institution, Learn through Questioning, Render Service to Humanity. Being a morning college, this institution is serving another social need, that is extending opportunities to the students who are engaged in different jobs during daytime i.e to provide educational opportunities to the poor and needy and also in-service students, a substantial proportion of whom are first-generation learners.

Objective

As an institution of higher education Bangabasi Morning College has set the following aims and objectives:

- ★ To disseminate higher and progressive education
- ★ To instil value based education
- ★ To provide holistic development
- ★ To support poor and needy students

- ✦ To develop social responsibilities among students

6.1.2

What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

Quality policy and plans are designed and maintained in the following way:

- ✦ At the onset of the academic year Academic Calendar is published containing the name of the teachers, topics to be covered and the duration
- ✦ Departmental meetings are held before and after examinations and any other programme
- ✦ Tutorial classes are taken by the teachers in addition to the lectures
- ✦ The marks of students in Mid Term examinations and Selection tests are centrally recorded
- ✦ Self Appraisal records are maintained by teachers in registers that are monitored by the Principal
- ✦ Teaching Execution Record maintained by faculty in Work Diary & monitored by HOD

6.1.3

What is the involvement of the leadership in ensuring -

The policy statements and action plans for fulfilment of the stated mission

The Governing Body is always aware of the need to fulfil the mission and takes steps to bring about better governance. The Principal as the head of the Institution chairs meetings of all sub-committees and makes all teachers, staff and students aware of the mission. The

College has been able to provide free-ship to underprivileged students and provides financial resources for all student activities. The UGC funds are utilized in different areas to fulfil the mission.

Formulation of action plans for all operations and incorporation of the same into the Institutional strategic plan

The various activities/operations are appropriately allocated to different sub-committees consisting of teaching, non-teaching and student members, with each sub-committee headed by a convener. Sub-committee meetings are held regarding all academic and co-curricular activities which are chaired by the Principal and he provides guidance and suggestions for all College activities.

Interaction with stakeholders

The Principal is available for interaction with stakeholders on all working days. He interacts personally with all staff and students and also meets parents/guardians. The Principal as the Head of the Institution maintains direct contact with all members of the staff who feel free to discuss with him Institutional matters as well as personal issues.

Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders

The Principal seeks suggestions from the staff regarding various needs of the Institution, both formally and informally. There is a system of getting online feedback from all stakeholders. Discussion with the Principal, sometimes through the Teachers' Council and otherwise individually or in groups held in the Principal's office, help teachers and staff to address the needs of students in particular and the Institution in general. The Principal meets guardians whenever they come to discuss the needs of their wards. Such consultations enable the head of the Institution to have first-hand knowledge about the needs of the Institution which can be subsequently placed before the Governing Body for appropriate policy formulation.

Reinforcing the culture of excellence

The leadership takes active interest in ensuring that seminars, workshops, sports, cultural activities, felicitation programmes, career counselling, are held

regularly to reinforce the culture of all round grooming of students. For academic purposes students are encouraged to aim higher and to do their best. The efforts in this direction have been fruitful as the students have a high success rate in University examinations every year.

Champion organizational change

All changes are made through resolutions taken in the Governing Body unanimously. Recommendations for such changes are made by other statutory bodies such as the Teachers' Council, Finance Committee etc. The Principal as the head holds meetings with different committees for this purpose before changes are implemented.

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?

- Policies and plans drawn up through consensus in the Governing Body meetings are reviewed during confirmation in the subsequent meetings along with the Action Taken Report placed by the Principal. Academic issues are discussed and reviewed in the IQAC and Academic Sub-committee wherein the Principal also reports academic, infrastructural issues discussed and resolved in the Governing Body. There are different committees and sub-committees for different activities of the College where various developments are reviewed and future activities are determined. Notices are put up for each meeting at least one week before and minute books are maintained for recording proceedings of each meeting.
- The IQAC provides quality assurance leadership under the guidance of the Principal of the College (Chairperson) and external quality experts. It guides and monitors as well as evaluates the policies and ensures implementation of plans.

6.1.5

Give details of the academic leadership provided to the Faculty by the top management?

- The Principal as Head of the Institution leads the College in all activities. As the academic and administrative authority, he plays a pivotal role in governance and management of the Institution. The Principal is directly involved in academic activities and takes four classes per week.
- The Principal by virtue of his leadership motivates the teaching and non-teaching staff to complete regular assignments and to participate wholeheartedly in developmental activities of the Institution.
- The meetings of all Committees, Sub-committees including that of Academic Sub-committee and IQAC are chaired by the Principal. Thus, all academic activities are discussed and/or reviewed under his guidance and leadership.

6.1.6

How does the College groom leadership at various levels?

- Leadership quality is groomed among the staff through delegation of authority to the conveners of various Sub-committees.
- Teachers are encouraged to participate in NAAC and UGC sponsored workshops and seminars on quality assurance and inculcate the spirit within them of being the change leaders in the Institution.
- The teachers are encouraged to be more e-proficient and lead from the front to make effective use of software and web applications.

- The student representative in the Governing Body gets the opportunity to take part in decision making and thereby acquire leadership quality. The elected student representatives are in charge of organizing the College Fest which involves leadership skill. Other students are groomed in leadership through their participation in organizing cultural programmes, activities of various clubs as well as through publication of departmental wall magazines independently.

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?

- All the administrative functions and the academic functions of the College are delegated to statutory and non-statutory committees.
- The heads of departments hold meetings at regular intervals with departmental teachers for syllabus distribution and allocation of other departmental work. The departments thus enjoy operational autonomy to a considerable extent.
- The College office is run by the Head Clerk to whom authority is delegated for allocation and supervision of work done by Group C and Group D staff.

The Principal thus delegates authority to teaching and non-teaching staff.

6.1.8

Does the College promote a culture of participative management? If 'yes', indicate the levels of participative management.

- The College promotes a culture of participative management. The highest authority is the Governing Body in which external members representing the University, the State Government, the local authority, and internal members representing teaching, non-teaching staff and students participate in the management of the Institution.
- All teachers are members of the Teachers' Council and elect a secretary for each academic session. The Secretary, Teachers' Council, as the link between the teachers and the Principal, co-ordinates Institutional activities. All teachers being members of the Teachers' Council participate in management.
- All teaching and non-teaching staff and students as members of different Subcommittees and of the IQAC participate in the management of the Institution.

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?

- The Institution has a formal quality policy. The goals and objectives of the college are to enkindle the light of knowledge particularly amongst the poorer section of the society by opening new subjects of study and vocational courses to equip themselves for self employment by inculcating the rich heritage of "Bangabasi Group of Colleges" with patriotic Zeal and national enthusiasm so that everyone of them becomes a "true man with social commitment" in the society. Such noble goals and objectives are made known to the various stakeholders of the college since the beginning of every academic session by their consorted efforts. All such goals and objectives are diffused through lectures by the Principal, teachers, non-teaching staff

and senior students of the Students' Union in an assembly of new first year students on the very first day when new academic session commences.

- The Institution is committed to provide quality education and to this end policies are formulated by the Governing Body of the College. The policies are executed and implemented in a decentralized manner through the Teachers' Council and different Administrative and Academic Sub-committees comprising of teaching and non-teaching staff under the leadership of the Principal. The type of administration followed is democratic and participative management is encouraged. The IQAC plays a leading role in proposing quality sustenance and quality enhancement policies and also reviewing the same.

6.2.2

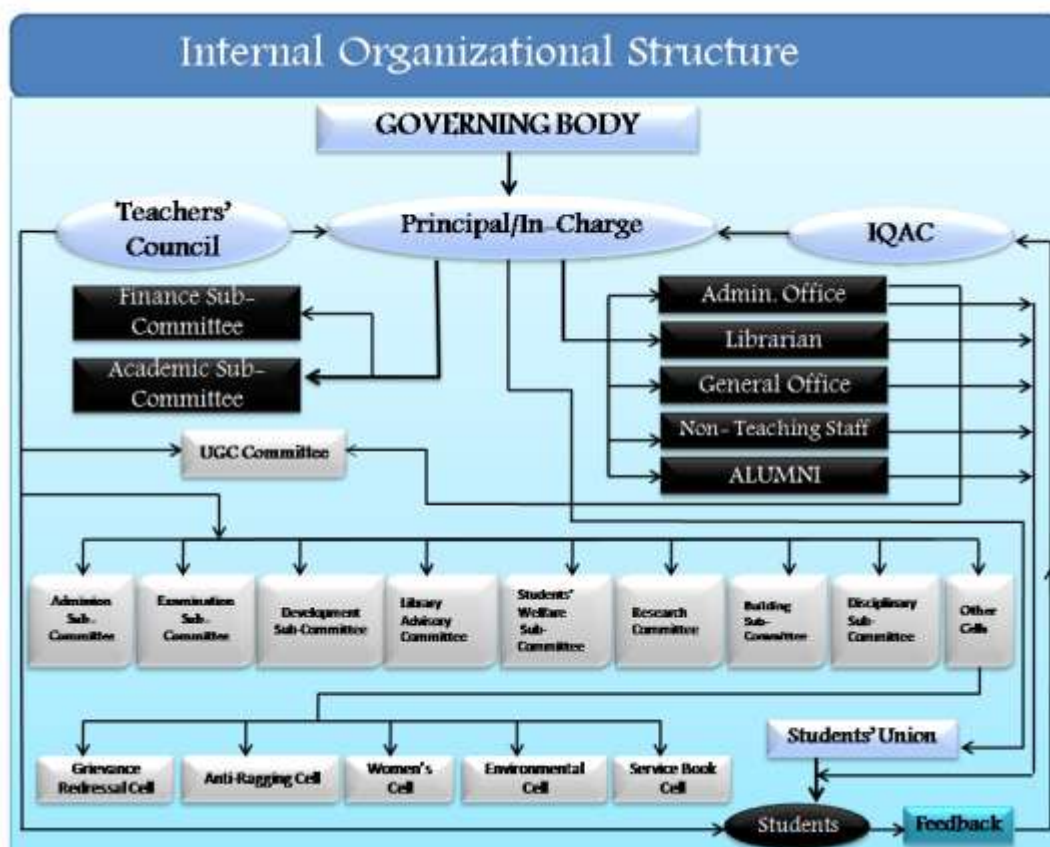
Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

Yes, the Institution does have a perspective plan for development. This plan consists of future plans for infrastructure, introduction of new courses, facilities for students etc. The Institute also has several committees in place that takes care of different aspects of the perspective plan. This plan is created keeping in mind the economic factors of the College, necessity of the students and faculty members, place and availability, changing education factors etc. These are taken into consideration before creating the perspective plan.

6.2.3.

Describe the internal organizational structure and decision making processes.

The internal coordinating and decision making mechanism of Bangabasi Morning College is schematically shown below:



- The apex decision making body of the College is the Governing Body. The Governing Body constituted as per Statute 93 of the University of Calcutta consists of the following members - President (elected), Secretary (the Principal, ex-officio), two members nominated by the State Government, two members nominated by the University of Calcutta, the local Councillor, four elected representatives of whole time teachers of the College, two elected representatives of whole-time non-teaching employees of the College, one elected representative of regular students of the College.
- The other major decision making bodies are the Teachers' Council and Finance Sub-committee, Academic Sub-committee, Building Sub-committee and Library Sub-committee. There are other Sub-committees/cells constituted by the Teachers' Council which are also involved in decision-making on matters relating to regular activities. All financial matters are placed before the Finance Sub-committee for

recommendation. All important decisions with or without financial implications are subject to final ratification by the Governing Body.

6.2.4

Give a broad description of the quality improvement strategies of the Institution for each of the following

➤ Teaching and Learning

- ☞ Appointment of Contractual full time teachers to fill up vacant posts till permanent faculty is appointed on the recommendation of the West Bengal College Service Commission.
- ☞ The College authority is encouraging the teachers to involve in learner centric teaching practices with an eye to develop thinking aptitude amongst the students.
- ☞ Development of e-resources and greater use of audio-visual aids in teaching.
- ☞ Departmental seminars and invited lectures by experts.
- ☞ Mentoring of students.
- ☞ Remedial classes for slow learners.
- ☞ College authority has decided to introduce continuous internal assessment for the students with an eye to make the students regular to their classes and not to practice rote learning.
- ☞ The faculty members are asked to attend the orientation, refresher courses and other course & workshops which will help them to gain more knowledge, latest developments, and skills required for teaching.

➤ Research and Development

- ☞ Research Advisory Committee is formed.
- ☞ The College encourages the faculty members to apply for the UGC faculty development programmes to complete their Ph.D. and be involved in active research.
- ☞ The Institute also encourages post-doctoral research for the faculty members and grant leave for the same.
- ☞ It also encourages faculty to attend various National and International seminars/conferences and grants leave for participation as a presenter.
- ☞ The faculty members are also encouraged to take up UGC Major and Minor Research Projects.

➤ Community Engagement

- ☞ The NSS and Nature Club of the College conduct extension activities that can be used as a booster for the students to become a responsible citizen.

➤ Human Resource Management

- ☞ The quality of human resources available is sought to be continuously upgraded through training/re-training and proper encouragement and motivation.
- ☞ Optimal utilization of human resources is achieved as all staff is involved in various Institutional activities as members of different sub-committees.
- ☞ Inter-departmental cooperative schemes exist wherein faculty of some departments have additional teaching assignments in other departments based on inter-disciplinary nature of the

undergraduate curriculum in some courses offered by the Institution.

- ☞ Students are encouraged to participate in co-curricular and extra-curricular activities so that their talents may be groomed along with academic pursuits.
- ☞ Providing special training to office staff on software.

➤ Industry Interaction

- ☞ The College is lagging behind a little in this particular field. However the College intends to setup Career Counseling Cell and Placement Cell which the students can make use of for any guidance required for applying for jobs and any guidance on career.

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 College has FEEDBACK MECHANISM where different stakeholders like parents, students, alumni etc. gives their valuable inputs on different aspects of the process in the College like teaching-learning, admission and infrastructure etc. The feedbacks collected are then analyzed by the Principal and the same gets reported to the Governing Body meetings for review. The inputs given are discussed and decisions are taken after that. The new policies are also structured in the same way after taking inputs from all the stakeholders.

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 is very keen in the involvement of the staff members in the Institutional process by taking their inputs. For the smooth functioning of the College there are various Sub-committees and cells entrusted with different aspects of academic, administrative, cultural and extension activity. The staff members are also members of various Sub- committees as well as the Governing Body which involves them in the decision making process related to administration, extra-curricular and co-curricular development of the College. Their suggestions and opinions are seriously taken into consideration prior to decision making.
- Discussions on work load and performance analysis are made.
- Staff Participation in workshop, seminar, training programme are encouraged.

6.2.7

Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

 To be provided in Hard Copy of RAR.

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?

The provision for according autonomy to an affiliated Institution exists under the University of Calcutta. However, the College is not considering the possibility of obtaining autonomy from the affiliated University in the near future.

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 Institution always pays heed to the grievances that turn up in the College. It has a Grievance Redressal Cell for this purpose.
- The stakeholders' ONLINE FEEDBACK through the new software enables the students/ teachers/ non-teaching staff to submit their grievances electronically.
- These grievances are taken seriously, analyzed and then redressed after a grievance redressal meeting with the Principal and its members.
- The College also has given the authority to the HOD of the respective departments to solve any minor problems that the students report to him directly or to the fellow faculty members of that department.

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?

None to mention.

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 Re: Curriculum, Teaching, Learning Resources.

- Our institution obtains feedback from (a) the students, (b) alumni and (c) academic peers like external examiners, guest speakers who are invited to deliver lecture in any departmental seminar and subject experts who come to attend the meeting for promotion of teachers under Career Advance Scheme or to take interview of the candidates seeking appointment as part-time teachers and eminent persons who act as the Resource person in the state level seminars organised by the college.
- The College has recently developed an ONLINE FEEDBACK mechanism for analyzing student feedback.
- Views, opinions and assessment made by the students are harvested, carefully processed and necessary follow-up is made by the Department/Faculty/Heads in the form of curricular redesigning, dropping of existing or introduction of new courses and incorporation of current dimensions in their programme. The heads of the departments paid special attention to the matters involving the students' evaluation on the teaching, references used, teaching aids, and field visits arranged by every teacher. Departmental meetings are conducted after getting verbal and/or semi-formal feedback from students for the improvement of infrastructural facilities, library matters and other academic activities. Whenever necessary, the matter is presented to the concerned authority with the view to cater to the needs of the students.
- Response of the Institution to Students' Feedback:

- ☞ College has appointed Guest Teachers against vacant posts
- ☞ New equipments have been purchased
- ☞ PG course in distance education has been introduced
- ☞ Teaching aids have been purchased
- ☞ Teachers have been encouraged to use ICT in lectures

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?

- The College makes all round efforts to enhance the professional development of its staff. The faculty is encouraged and granted leave to attend UGC sponsored Orientation Programmes and Refresher Courses organized by Academic Staff Colleges of different universities which enable the faculty to be acquainted with the latest developments in their respective disciplines.
- Faculty participation in seminars/workshops/conferences related to teaching and/or research is also encouraged. In addition to the UGC sponsored seminars/workshops organized periodically, the College also encourages each department to organize departmental seminar/workshop or special lectures.
- The College also encourages research culture in the campus. The faculty members are asked to take up UGC Minor and Major Research Projects. The College has also provided infrastructure for this like internet facilities and computer for each department. The faculties are also motivated to participate in FDPs, Refresher Courses, Orientation Programs, etc. which helps in the professional development of the teaching staff.

- The IQAC of the College organizes workshops in every academic session for the enhancement of quality in teaching.
- The non-teaching staffs are also deputed to attend training programmes organized by other Institutions.

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?

- The Institution encourages the faculty members to take part in online and offline training programs. Special leaves are also granted on appeal. The College provides necessary infrastructure like internet, computer in each department etc. so that the faculty members can carry out their work without any hassle. The faculty members also are encouraged to take part in seminars/ conferences and workshops.
- The newly recruited teachers received training by participating in UGC sponsored Orientation Programmes while the existing teachers are re-trained in their respective disciplines and areas of specialization by participating in Refresher Courses organized by the Academic Staff Colleges of various Universities.
- Non-teaching staff is sent for training programmes as and when such programmes are organized by the affiliating university/other Institutions.
- The basic strategy adopted for empowerment and motivation of employees for the roles and responsibility performed by them is the decentralization of authority wherein all staff is involved in academic, administrative and other activities as members of various sub-

committees/cells. Commendable work done by any employee earns due recognition and acknowledgement from the authority.

- The College follows the career advancement scheme proposed and introduced by the UGC and Higher Education Council (Government of West Bengal).
- Knowledge sharing takes place through meetings, special lectures, interdisciplinary seminars, well stocked departmental and central libraries, internet facilities in all departments as well as informal interaction between teachers and students of different disciplines.

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 performance appraisal of the teaching staff takes place through self-appraisals and peer evaluation. Students' as well as guardians' feedback is also obtained.
- The Institution has adopted the UGC CAS framework to evaluate the faculty members. This framework makes sure that as many details are collected about the faculty members so that this information can be used for the appraisal of a particular faculty.
- Appraisals of performance are discussed in meetings of the Teachers' Council and Nonteaching Association

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 performance of students is communicated to them by the departmental teachers. Parents/ guardians are also kept informed about the performance of their wards through parent- teacher meetings held periodically.
- The Principal communicates with the faculty after reviewing their performance appraisal reports. The achievements of faculty are acknowledged and short comings, if any, are pointed out for rectification and improvement.
- The non-teaching staff is informed about the review of their performance by the Principal who acknowledges sincere efforts made by the staff and also points out negligence, if any, on the part of any employee so that the same can be overcome.

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 welfare schemes available for teaching and non-teaching staff are as follows:

- ✦ GPF
- ✦ Benevolent Fund for the non teaching staff
- ✦ Assistance to avail loan
- ✦ Group insurance
- ✦ All admissible leave
- ✦ Housing facilities for selected non teaching staff
- ✦ Ex-gratia to College Appointed Staff

6.3.6

What are the measures taken by the Institution for attracting and retaining eminent Faculty?

- Permanent faculty recruited as per UGC norms on the recommendations of the West Bengal College Service Commission ensures the appointment of the best candidates.
- The College also appoints contractual and guest faculty having requisite UGC qualification through interview by a duly constituted selection committee in order to attract well qualified faculty.
- Institutional encouragement for qualification enhancement in the form of granting permission and requisite leave for participating in Faculty Development Programmes is instrumental in attracting and retaining dedicated faculty.

6.4- Financial Management and Resource Mobilization

6.4.1

What is the Institutional mechanism to monitor effective and efficient use of available financial resource?

- The College in order to check the proper utilization and use of the available financial resources has appointed a Bursar.
- To make the mechanism more effective there is a Finance Sub-committee to supervise the financial aspects.
- The highest authority for financial decisions is the Governing Body.

- The Finance Sub-committee constituted by the Governing Body comprises of the Principal as Chairperson, two external members of the Governing Body (University nominee and Government nominee), and teaching, non-teaching representatives to the Governing Body.
- The Finance Sub-committee examines the proposed Institutional budget for each academic session along with the actual income-expenditure statement of the previous year and makes recommendations to the Governing Body. Expenditure proposals not included in the budget are also placed before the Finance Sub-committee for recommendation and finally approved by the Governing Body.
- The college appoints Internal Auditor for maintaining transparent financial system.

6.4.2

**What are the Institutional mechanisms for external and internal audit?
When was the last audit done and what are the major audit objections?
Provide the details on compliance.**

- Internal audit is carried by College appointed auditors. The external audit is carried out by Government appointed auditors as per provisions of West Bengal Government rules and University of Calcutta Act every year.
- The audit observations are generally discussed in the Governing Body meetings and the objections (if any) are complied with.
- Audited accounts and Utilization Certificates for UGC grants are sent to the UGC.

To be provided in Hard Copy of RAR.

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 the reserve fund/corpus available with Institutions, if any.

- The College is under the Pay Packet Scheme of the Government of West Bengal- the salary of teachers and non-teaching staff holding substantive Government approved posts is received from the State Government. Contractual Whole Time Teachers and Part-Time teachers also receive their salary from the Government of West Bengal.
- The College receives grants from the UGC for equipments, books, extension activity and seminar/workshops.
- Students' Fee is another source of funding.

To be provided in Hard Copy of RAR.

6.4.4

Give details on the efforts made by the Institution in securing additional funding and the utilization of the same (if any).

Grant received from different authority for development of the college during the financial year 2011 to 2015.

YEAR	FROM WHOM RECEIVED	AMOUNT OF GRANT	EXPENDITURE
2011-12	UGC	4,20,000	-----
	Minority	2,98,500	3,29,365
2012-13	UGC	24,58,632	21,03,940
	Minority	4,97,050	4,97,050

	NCC	11,400	11,400
	MLA LAD	10,00,000	10,00,000
2013-14	UGC	10,49,371	-----
	Minority	6,15,300	6,15,300
2014-15	NCC	20,890	20,890
	UGC	Not yet available	-----
	Minority	3,69,600	3,69,600
	NCC	22,540	22,540

6.5- Internal Quality Assurance System

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 Process?

- Bangabasi Morning College has established an Internal Quality Assurance Cell.
- The College is committed to quality assurance in all activities. Quality assurance, in fact, is inherent in Institutional policy. The IQAC has been instrumental in monitoring the quality sustenance and quality enhancement measures adopted by the Institution.
- Before the commencement of the academic session, the IQAC obtains the plan of departmental activities as well as the record of departmental performance during the previous session, from all departments. The departments, therefore, strive to achieve their set targets regarding curricular, co-curricular activities, faculty development initiatives etc. during the academic session.

- IQAC is working hard for the advancement in the field of teaching and learning. It is also giving much importance to research and development. The IQAC encourages faculty and staff to attend Orientation and Refresher Course Programmes conducted by the UGC and also take initiative by arranging/attending seminars/ conferences/ workshops.
- IQAC expects that the faculty will follow the academic calendar outlined at the beginning of the session. If there is any deviation from the schedule given in the academic calendar, then they are advised to take extra classes and make it up so that the students are not deprived.
- The IQAC has also setup a Research Sub-committee that records the developments of research if any in the College. There is also a provision of leave for faculty those who want to involve themselves in research activities.
- The Institutional policy is to equip and assist the IQAC Cell to emerge as a dynamic, inspiring and qualitative internal mechanism for upholding and enhancing the qualitative, both academic and administrative, status of our College.
- The IQAC was formed in 2014. Efficiently AQAR for last seven years have been published by the IQAC in college Website and sent to NAAC within a short period of time.

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 most important decision of the IQAC has been that the College should make efforts for implementing as many recommendations of the NAAC Peer Team, 2007 as possible. This decision has been approved by the management. As a result, the management has approved and implemented the following decision of the IQAC

- Reaccreditation of the College is to be obtained at the earliest so as to enable the Institution onto the Quality Assurance roadmap.
- Introduction of library management software.
- Reinforcement of Anti ragging cell
- Use of ICT to empower the Institution, the Faculties and the students.
- Introduction of Teaching Aid Software.

c) Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

Yes, the IQAC has external members like alumni, retired officer, and industrialist. Feedback given by them is considered and actions are taken accordingly.

- ❖ Industrialist Sri Dhiman Sen pointed out that job oriented courses are to be introduced. College has signed MOU with George Animatrix.

d) How do students and alumni contribute to the effective functioning of the IQAC?

There is a student representative and an alumni member of the College in the IQAC. They contribute by giving valuable suggestions regarding quality enhancement initiatives to be adopted by the Institution. The students participate enthusiastically in all curricular, co-curricular and extra-curricular activities according to departmental plans and thereby contribute to the effective functioning of the IQAC and the Institution as a whole.

e) How does the IQAC communicate and engage staff from different constituents of the Institution?

The IQAC trusts in the motto of participative management. It comprises of members from different constituents of the Institution which enables effective communication of all decisions. Members representing the administrative staff, technical staff, support staff and teaching staff communicate to their respective sections, the IQAC plans for development of the Institution.

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 operationalisation.

- The Institutional framework for quality assurance of academic and administrative activities comprises of the Governing Body, the Teachers' Council and various Sub-committees. Academic and administrative decisions when taken in the Teachers' Council meeting are subsequently reviewed in the meetings of the Academic Sub-committee and Teachers' Council. The distribution of work among the various Sub-committees ensures effective functioning of the Institution.
- The Principal coordinates the functions with the teaching and non-teaching staff.

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.

- Seminars organized by the IQAC periodically serve to motivate the staff towards quality enhancement initiatives. IQAC is considering the need for providing special training to staff for effective implementation of the Quality assurance procedures.

- But whatever adhoc quality initiatives that are taken up, the College has paid necessary attention to get it identified amongst the teaching and non-teaching staff.
 - ☞ Teachers have been given necessary guidance to make use of the Teaching Aid Software.
 - ☞ The Principal has obtained the necessary control on the use of the Online Feedback Software.
 - ☞ IQAC has been provided with necessary assistance to make best use of ICT.

6.5.4

Does the institution undertake academic audit or other external review of the academic provisions? If 'yes', how are the outcomes used to improve the institutional activities?

External review of the academic provisions has not been undertaken so far. However, the Principal places the academic and administrative report at every meeting of the Governing Body. The IQAC collects annually from all departments, information relating to curricular and co-curricular performance, faculty development initiatives, etc. Such information is then compiled as an annual report (AQAR) for reviewing the performance during the year.

6.5.5

How is the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

- The IQAC attends workshop conducted by the IQAC of the University of Calcutta.
- The college submits all required data to AISHE (All India Survey on Higher Education), Government of India, Ministry of Human Resource

Development, Department of Higher Education, New Delhi. (Certificate for submission of data of 2014-2015 enclosed).

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 Institutional mechanisms for continuously reviewing the teaching-learning process are:

- Discussion on the academic report placed by the Principal in the Governing Body meetings.
- Discussion on the performance of students in internal examinations at the meetings of the Academic Sub-committee and of the Teachers' Council.
- Analysis of the annual self-appraisal of teachers and of the feedback from students.
- Discussion with parents in the parent-teacher meetings.
- Such review helps to overcome short-comings, if any, in the teaching-learning process and to ensure quality enhancement.

6.5.7

How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

- The Institutional quality assurance policies and mechanisms are in-built into the regular functioning of the Institution and hence communicated to stakeholders through the College prospectus, notice board and the

official website. Students and guardians are continuously made aware of these policies and mechanisms by the teachers and other staff.

- Management Information System operates by holding meetings of the Governing Body and various committees and subcommittees like Finance Subcommittee, Admission Subcommittee, Academic Subcommittee, Service Book Subcommittee, Routine Committee, Examination Committee etc.
- The policy decisions are well circulated among all levels of the staff and management.

CRITERION 7: INNOVATIONS AND BEST PRACTICES

7.1- Environment Consciousness

7.1.1

Does the institute conduct a green audit of its campus and facilities?

- The College does not conduct a Green Audit till date.
- However, environmental awareness programmes are conducted regularly.

7.1.2

What are the initiatives taken by the college to make the campus eco-friendly?

The College has an active Nature Club and NSS and the initiatives taken under its enthused leadership to maintain an eco-friendly campus are as follows:

- **Energy Conservation** – The College is run by conventional energy supply but earnest efforts have been made to reduce wastage of electricity and conserve energy. To this end the Caretaker of the College is entrusted with the responsibility to ensure that lights and fans remained switched off when not in use. Students are also made aware of this by the Principal during the Orientation Programme for the new entrants and also by the members of the teaching staff during their interaction with the students. The electricity lines are checked and inspected regularly to ensure that there is no leakage leading to energy loss.
- **Use of Renewable Energy** – The scheme is under consideration. The College has future plans for introducing solar power particularly in certain portions requiring constant illumination.
- **Water Harvesting** – The scheme for water harvesting is under consideration.

- **Check Dam Construction** – N.A.
- **Efforts for Carbon Neutrality and Plantation** – Nature Club along with the NSS unit conduct afforestation programme by planting saplings in the Sports ground area and small potted plants in the college premises
- **Hazardous Waste Management** – No hazardous waste is generated by the college. Waste disposal is properly done following the rules of the Kolkata Municipality. A small vermicomposting unit is maintained in the department of Zoology for managing kitchen waste generated in the canteen. College is planning to set up a larger unit.
- **E-waste Management** – The College disposes off e-wastes for recycling through vendor.

7.2- Innovations

7.2.1

Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college

The details of innovations introduced during the last four years which have created a positive impact on the functioning of the College are enumerated hereunder:

- Establishment of IQAC and Women's cell
- Digitalization of Office and Library
- Formation of library advisory committee
- Provision of computer and internet in all departments
- ICT based teaching
- Introduction of Teaching aid and Feedback Software
- Introduction of PG courses under the Distance Education Directorate of Vidyasagar University, West Bengal.
- Online admission of students.
- Publication of Academic Journal.

7.3- Best Practices

7.3.1

Elaborate on any two best practices.

1. Quality education for all

Goal:

To make higher education available to all sections of society, irrespective of cast, creed and socio-economic condition.

The Context:

The college endeavours to enkindle the light of knowledge particularly amongst the weaker sections of society to equip them for self employment.

The Practice:

- i) **Admission:** The College maintains a transparent admission procedure, keeping the minimum eligibility requirements moderate so that students from unprivileged classes may also get the opportunity of entering the arena of higher education.
- ii) **Financial Support:** Students seeking concession towards tuition fees are interviewed individually by the Principal along with other members of the Student-Aid Fund sub-committee before being sanctioned Half or Full free ship or any amount of financial assistance. During the time of interview, members of the sub-committee try to understand the socio-economic background of the student with details of family members, family income, etc. In-charge of department also collects such information. The various teaching departments of the college have extended academic support to students who are economically challenged by providing them with books, study material, dissecting equipments, etc.

iii) **Orientation:** The goals and objectives of the institution are unambiguously conveyed through lectures by the Principal, teachers, non-teaching staff and senior students of the Students' Union in an assembly of new first year students on the very first day of a new academic session.

iv) **Adherence to Academic Calendar:** Publishing Academic Calendar regularly is one of the best practices of the institution. Tutorial classes are taken by the teachers quite regularly, particularly during the slack session. The College Magazine is published annually providing scope for the students to express their views and develop literary skills.

College publishes updated Prospectus annually. It contains the following information, for the benefit and convenience of students:

- a) A brief sketch of the glorious past of the College
- b) Names of the Governing Body members
- c) Staff- Names of Teaching Faculty and Non-teaching Staff
- d) General information and Code of Conduct for the students
- e) Courses of Study
- f) Subjects taught in the College
- g) Combinations allowed
- h) Tuition fees
- i) Recess and Holidays

v) **Health Services:** The College students are beneficiaries of the Students' Health Home (SHH). Their Central Polyclinic is situated at 142/2, A.J.C. Bose Road, Kolkata 700014, in close proximity to the College. During admission a nominal amount is charged from the students for the purpose of SHH services. The collective amount is sent to the SHH from the college and cards are issued to the students. Whenever necessary, the students have ready access to health services from the SHH which was established in 1952 literally out of the blood of students and youth.

vi) **Preparing for the future:** Conducting group discussions, home assignments, class room seminars and tutorials are regularly practiced. Quiz

competition, debate competition, cultural competition and essay competition are held to prepare the students to adapt to and be ready to face the competitive world ahead.

Vocational guidance based on personality and interest of the students happens to be a very important aspect of modern teaching. Departmental teachers provide guidance and counselling to the students for pursuing higher/further studies and related to job opportunities in different fields. Recommendation Letters are issued by Departmental Heads to students during their applications to various jobs.

Evidence of Success:

Students from different castes and creeds study in this institution. The location advantage of the college is also noteworthy; situated in close proximity to the Sealdah railway station, it enables many students from the suburban areas to commute daily. The college hours also happen to be advantageous to the students who work for a livelihood along with pursuing higher education in this institution. Some of the students opt for further studies at the Masters' level and even continue with a doctoral degree and further research. Many of the students carve out a niche for themselves in the greater world earning accolades and honours for their families.

Problems Encountered and Resources Required: Students having a compulsion to work during college hours are often unable to continue their studies mainly due to economic constraints. The College needs more financial resources to reach out to more students in need of support from the institution.

2. Holistic development

Goal:

To achieve all-round development

The Context:

The objective of the institution is not mere teaching and learning but much wider than mechanical bookish education. The target is to inculcate the rich heritage of "Bangabasi Group of Colleges" among the students with patriotic zeal and national enthusiasm so that every one of them becomes a "true man with social commitment".

The Practice:

i) **Observation of Nationally Important Days:** To develop the spirit of patriotism, Birthday of Netaji Subhas Chandra Bose (23rd January), Republic day (26th January), Independence day (15th August) and Death Anniversary of Martyr Jatin Das (13th September) are observed with great respect. The college also holds a programme on Bhasha Dibas (21st February) to commemorate International Vernacular day.

ii) **Community services:** Community service is the foundation of societies and cultures. An educational institution may play a key role in shaping social attitude in the young minds. Bangabasi Morning College has an NCC wing with a cadet capacity of 150. The NCC aims at developing character, comradeship, discipline, a secular outlook, the spirit of adventure and ideals of selfless service amongst young citizens.

In the year 2009, the college started an NSS wing. As per the National Service Scheme, under the Ministry of Youth Affairs & Sports, Govt. of India, the NSS of our college works with a primary focus on the development of personality of students through community service. The wing regularly

organizes programmes on important social and environmental issues like water crisis, thalassaemia and does social work in slums and villages.

iii) Environmental awareness: The College also aims at building individuals' propensity to engage in pro-environmental behaviour. Development of environmental awareness and the attitude to protect the environment is one of the major needs of the century. No community development is possible without a sound knowledge of the environment. Generation of environmental awareness through lectures, field trip and seminars is an essential part of the college curriculum.

iv) Sports activities: The institution possesses a playground and pavilion on the Calcutta Maidan shared by the three colleges: Bangabasi Morning College, Bangabasi College and Bangabasi Evening College. With the active co-operation of the Students' Union, College organises inter-class football and cricket competitions, Inter-College Table Tennis and Carom tournaments. The Institution encourages participation of women in intra and inter institutional sports competitions. A large number of girl students participate in the Annual Sports organized by the Students' Union every year. During admission, Sports Quota reserves seats for students with outstanding performance in sports. In the Annual Sports Meet of the college, the winners in various events are encouraged and rewarded with sports equipments and tracksuits.

v) Educational Trips and Field Work: In order to expose the students to real life objects of nature and to clarify subject matter through first-hand experience, excursions and field trips are arranged. Educational tours have been introduced in humanities as well as science other than those already prescribed in the syllabus. These are opportunities to develop scientific attitude, spirit of leadership, powers of observation and other social skills.

vi) Co-curricular activities: Students' magazine is published to provide opportunity for literary activities. Quiz competition, debate competition, cultural competition and essay competition are also organized.

Evidence of Success: Students develop good character which is the base on which the future of a nation depends. Attitude of sharing, compassion for others and development of team spirit point towards the success of the activities practiced in this institution.

Problems encountered and Resources required: The teacher-student ratio in the institution is not adequate. The apparent inadequacy in the number of teaching staff is compensated for by the sincere efforts of the teachers. The College also appoints teachers who are paid from the college fund itself in order to fill the void and carry on all its scheduled activities at the requisite pace and level.

1. Name of the Department: ANTHROPOLOGY

2. Year of Establishment: Anthropology General Course started in the year 1965

3. Names of the 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

NIL

5. Annual / semester / choice based credit system (programme wise)

Annual

6. Participation of the department in the courses offered by other departments

NIL

7. Courses in collaboration with other Universities, industries, foreign institutions etc.

NIL

8. Details of courses / programmes discontinued (if any) with reasons: No

9. Number of Teaching Posts

Table No. 1

No. Teaching Posts	Sanctioned posts	Filled posts
Professors	N.A.	N.A.
Associate Professors	N.A.	N.A.
Assistant Professor	01	01
Part Time Teacher	01	01
Guest Lecturer	N.A.	N.A.

10. Faculty Profile with name, qualification, designation, specialization (D.Sc. / D. Litt. / Ph.D. / M.Phil. etc.)

Table No. 2

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for the last four years
Dr. Prasenjit Sarkar	M.Sc. (Anthropology) Ph.D. (Sc.)	Assistant Professor	Social Cultural Anthropology	15 + Years	-----
Smt. Amita Majumder	M.Sc. (Anthropology)	Part Time Teacher	Prehistoric Archaeology	12 Years	-----

11. List of senior visiting faculty: N.A.

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty N.A.

13. Student-Teacher Ratio (Programme Wise):

Table No. 3

Session/Class (Gen)	No. of Students (Gen.)	No. of Teachers	Student-Teacher Ratio Gen.
2015-16/B.Sc. Part I	40	02	1:20
2015-16/B.Sc. Part II	31	02	1:15.5
2015-16/B.Sc. Part III	07	02	1:3.5

14. Number of Academic Support Staff (technical) and administrative staff; sanctioned and filled :

Table No. 4

Post	Sanctioned	Filled
Academic Support Staff	02	02
Administrative Staff	NIL	NIL

15. Qualifications of teaching faculty with D.Sc. / D. Litt. / Ph.D. / M. Phil. / PG

Table No. 5

Highest Qualification	No. of Teaching Faculty (Existing)
DSC/ D.Litt.	NIL
Ph.D.	01
M. Phil.	NIL
P.G.	01

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: N.A.

19. Publications:

a) Publications per faculty Dr. Prasenjit Sarkar

Publications	2008	2009	2010	2011	2012	2013	2014	2015	Total
Total Year wise publications of the Dept. without ISBN/ISSN		01							01

No. of papers published in peer reviewed journals by faculty & students	01	0	01	0	0	02	0	0	04
No. of publications published in International Database									NIL
Monographs									NIL
Chapter in books			01						01
Books Edited	01								01
Books with ISBN/ISSN	978-93-8064-8-05-7								
Citation Index									
SINP									
Impact factor									
h-index									

***** For Full List of publications of the Faculty, See Annexure-1**

* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) -

* Monographs :

* Publications :

Papers Published (2007-2015)

* Chapter in Books :

* Books Edited : 01

* Books with ISBN/ISSN numbers with details of publishers:

A. Edited Books :

Sl. No. & Name	Title with page nos.	Type of Book	Publisher & ISSN / ISBN No.
1.	Save the Earth <i>Issues and Challenges</i>	Proceeding	Urbee Prakasan, Kolkata. ISBN- Year-

A.1. Previous Edited Books :

Sl. No. & Name	Title with page nos.	Type of Book	Publisher & ISSN / ISBN No.
Dr. Mukul Kr. Mitra, Sreejata Biswas and Prasenjit Sarkar	Environmental Change and its Impact	Reference	ISBN – 81-87716-24-5, Year – 2006

B. Reference Books :Nil**C. Seminar Attended & Participated**

Sl. No.	Title of the Seminar	Name of Faculty	Year	International /National/State/ University / College	Funding Agency
1.	Context and Culture in our Language Classrooms	Dr. Prasenjit Sarkar (Presented)	February 9, 2015	International	Bangabasi Morning College & American Centre
2.	Corporate Fraud and its Impacts on Indian Business Environment	Dr. Prasenjit Sarkar (Participated)	March 17, 2015	State Level	U.G.C.
3.	Environmental Impacts on Health: Towards	Dr. Prasenjit Sarkar (Presented)	March 27-28, 2015	National	U.G.C.

	a Better Future				
4.	Cyber Crime	Dr. Prasenjit Sarkar (Participated)	September 16, 2015	Institutional Level	I.Q.A.C., Bangabasi Morning College
5.	22 nd West Bengal State Science and Technology Congress-2015	Dr. Prasenjit Sarkar (Presented)	February 28-March 1,2015	State	DST, NBU
6.	Present Status and Emerging Trends of Folklore Studies in India	Dr. Prasenjit Sarkar (Presented)	December 12-13, 2014.	National	Anth. Survey of India
7.	Context and Culture in our Language Classrooms	Smt. Amita Mazumder (Presented)	February 9, 2015	International	Bangabasi Morning College & American Centre
8.	Corporate Fraud and its Impacts on Indian Business Environment	Smt. Amita Mazumder (Participated)	March 17, 2015	State Level	U.G.C.
9.	Environmental Impacts on Health: Towards a Better Future	Smt. Amita Mazumder (Participated)	March 27-28, 2015	National	U.G.C.
10.	Cyber Crime	Smt. Amita Mazumder (Participated)	September 16, 2015	Institutional Level	I.Q.A.C., Bangabasi Morning College
11.	Empowerment of Women: Some Issues,Chlenges and Debates; 20 th -21 st century	Smt. Amita Mazumder (Presented)	Noveber 11,2014	State Level	N.A.
12.	Women Empowerment in India: Challenges Ahead	Smt. Amita Mazumder (Presented)	September 21, 2014	National	N.A.

20. Areas of consultancy and income generated: NIL

21. Faculty as members in

Sl. No.	Faculty	Serving in(a) National Committees (b) International Committees (c) Editorial Board (d) any other
1	Dr. Prasenjit Sarkar	1. Life member of INCAA 2. Life member of Anthropological Society of India

22. Student projects:

B.Sc. Part-II (Anthropology General) Students (by Dr. Prasenjit Sarkar)

23. Awards/Recognitions received by faculty and students: NIL

24. List of eminent academicians and scientists / visitors to the department: NIL

25. Seminars/ Conferences/Workshops organized & the source of funding: NIL

26. Students profile programme /course wise:

Name of the Course/programme Anthropology general 2015-16	Intake Capacity	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
B.Sc. Part-I	200	55	40	25	15	Result Awaited
B.Sc. Part-II			31	10	21	Result Awaited
B.Sc. Part-III			07	01	06	Result Awaited

*M = Male *F = Female

Name of the	Intake	Applications		Enrolled	Pass
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Course/programme Anthropology general 2014-15	Capacity	received	Selected	*M	*F	percentage
B.Sc. Part-I	275	52	46	22	24	67.39
B.Sc. Part-II			13	08	05	69.23
B.Sc. Part-III			07	05	02	85.71

Name of the Course/programme Anthropology general 2013-14	Intake Capacity	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
B.Sc. Part-I	275	25	19	12	07	78.94
B.Sc. Part-II			15	11	04	73.33
B.Sc. Part-III			03	03	0	100

Name of the Course/programme Anthropology general 2012-13	Intake Capacity	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
B.Sc. Part-I	200	52	46	22	24	39.13
B.Sc. Part-II			13	08	05	76.92
B.Sc. Part-III			07	05	02	85.71

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Name of the Course/programme Anthropology general 2011-12	Intake Capacity	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
B.Sc. Part-I	200	18	13	10	03	84.65
B.Sc. Part-II			06	04	02	66.66
B.Sc. Part-III			02	02	0	100

27. Diversity of Students: (2015-16)

Name of the Course Anthropology general	% of the students from the same state	% of the students from other states	% of the students from abroad
B.Sc. Part-I	100%	NIL	NIL
B.Sc. Part-II	100%	NIL	NIL
B.Sc. Part-III	100%	NIL	NIL

Social profile of the students (2015-16)

Name of the course	General	S.C.	S.T.	O.B.C.	Minority
B.Sc. Part-I	23	03	01	06	07
B.Sc. Part-II	11	02	NIL	00	17
B.Sc. Part-III	02	01	NIL	00	02

Social profile of the students (2014-15)

Name of the course	General	S.C.	S.T.	O.B.C.	Minority
B.Sc. Part-I	27	03	01	02	19
B.Sc. Part-II	06	01	NIL	01	04
B.Sc. Part-III	02	01	NIL	00	02

Social profile of the students (2013-14)

Name of the course	General	S.C.	S.T.	O.B.C.	Minority
B.Sc. Part-I	09	03	NIL	05	08
B.Sc. Part-II	10	01	NIL	01	03
B.Sc. Part-III	02	NIL	NIL	01	02

Social profile of the students (2012-13)

Name of the course	General	S.C.	S.T.	O.B.C.	Minority
B.Sc. Part-I	19	02	NIL	02	06
B.Sc. Part-II	6	NIL	NIL	01	03
B.Sc. Part-III	02	NIL	NIL	01	01

Social profile of the students (2011-12)

Name of the course	General	S.C.	S.T.	O.B.C.	Minority
B.Sc. Part-I	09	01	NIL	NIL	03
B.Sc. Part-II	04	NIL	NIL	01	02
B.Sc. Part-III	01	NIL	NIL	NIL	01

28. How many students have cleared national and state competitive examinations

such as NET, SLET, GATE, Civil services, Defense services, etc.?: NA

29. Student progression:

Student progression	Against % enrolled
UG to PG	Not known
PG to M. Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	Not known
Entrepreneurship/ Self-employment	Not known

30. Details of infrastructural facilities

a) Library— Centralised library facility is available

b) Internet Facilities for Staffs and Students: Centrally provided

c) Class rooms with ICT facility Available: NIL

31. Number of students receiving financial assistance from college, university, government or other agencies:

1. All the students enjoy the facility of railway concession.

2. All the female students have the opportunity to enjoy financial assistance from KANNYA SHREE PROKALPA of Government of West Bengal.

3. All S.C. students generally get Stipend from the Govt. of India.

4. Minority students get assistance from “Minority Fund” of Govt. of West Bengal.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

1. Dr. Jayita Roy (Ghosal), Assistant Professor, Department of Anthropology, Narasinha Dutt

College, Howrah.

33. Teaching methods adopted to improve student learning-

1. Question answer session in the class.
2. Class Test.
3. Continuous Evaluation.
4. Outdoor Classes (Museum visit, Field work)
5. Project work.
6. Students are encouraged to participate in group discussions.
7. Occasionally home tasks are given to the students.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

NIL

35. SWOC analysis of the department and Future plans:

Strength	Weakness
<ol style="list-style-type: none">1. Maximum numbers of classes are being taken by the faculties.2. Special emphasize on practical classes.3. Mandatory participation in field work and museum visit.4. Mandatory project work.5. Time to time counseling of the students.6. Highly cooperative academic support stuffs.7. Healthy relationship among teachers, non-teachers and students.8. Sufficient instruments and specimens for providing appropriate laboratory facility to the students.9. Available financial assistance for conducting week long or more field work for the students.	<ol style="list-style-type: none">1. Insufficient space.2. No exclusive laboratory.3. No exclusive class room.4. No departmental library.5. No ICT facility in the department.6. Insufficient faculty.

Opportunity

1. Multidimensional opportunities-
 - a) Academic (Post-graduation and higher research, Project and Field based study and Preparation of the report under close supervision of the faculties are helpful to the students in perceiving professional courses like MBA, PGDM, Social Work, Human Rights, etc.)
 - b) Employment related (Science Laboratories, Museum, Pharmaceutical companies, Teaching, NGOs).

Challenges

1. The students are coming from different linguistic background. Delivering lectures in one language is really a challenge to convince the topic of a study appropriately.
2. Majority of the students are coming from poor family background. Often it is a problem to meet the financial expense for pursuing the week long or more (outstation) field work.
3. College timings are too short to cover the syllabus properly.

Future Plans:

1. Opening B.Sc. Anthropology Honours Course.

***Annexure - I

LIST OF PUBLICATIONS :

Dr. Prasenjit Sarkar :

1. Mukherjee, D. Sarkar, P. And Mukherjee, D.P. 1996. The Kapalis of Bengal: A Population Historical Analysis. *J. Indian Anthropol. Soc.*31: 265-272
2. Sarkar, P. 1996. Deviance: A Theoretical Perspective. *The Ripples* (Quarterly Journal of PTC, Barrackpore). Issue no.1: 61-66
3. Sarkar, P. 2009. Human Rights: The Indian Experience. In: *Expanding Horizons of Human Rights*, (Proceedings) ed. by S. S. Bagchi, Pp. 172-183
4. Sarkar, P. 2010. Patterns of Marriage among a Hindu Caste Population of the Southern Part of West Bengal, Bordering Bangladesh. *Anthropos* 105.2010: 583-587

5. Sarkar, P. 2011. Environmental Change and Consequences: An Overview. In: *Save the Earth: issues and Challenges*, (Proceedings) ed. by P. Sarkar, Pp. 18-32
6. Sarkar, P. 2012. Some Ethnomedicinal Practices among the Kapalis in the District of North 24 Parganas, West Bengal. In: *Dimensions of Anthropological Research in India*, 13th Indian Anthropological Society Occasional Papers, ed. by J. Sarkar, A. Basu and A. K. Singh, Pp 141-168
7. Sarkar, P. 2013. Social Structure of the Kapalis of Bengal: An Oral Historical Approach. *Anthropos* 108.2013: 137-147
8. Sarkar, P. Mukherjee, D.P. 2013. A Demographic Study of Kapali Caste Population in North 24 Parganas District of West Bengal. *South Asian Anthropologist* 2013, 13(1):37-42
9. Sarkar, P. 2015. Ethnomedicinal Plants in *Service of Rural Bengal*. In: *Environmental Impacts on Health: Towards a Better Future*, (Proceedings) ed. by S. Biswas, M. Mitra and R. Bar (accepted)
10. Sarkar, P. 2015. Perceptual Variation and Multi-ethnic/Multi-linguistic background Classroom: Some Issues and Challenges from Anthropological Perspective. *IJSNS* Vol.1, Issue 1, 2015: 113-121
11. Sarkar, P. 2015. Multiple Identities of the Kapalis of Bengal: An Ethnohistorical Perspective. *Anthropos* (accepted)

1. Name of the Department : Bengali

2. Year of Establishment : 1965

3. Names of the Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D. etc.) : UG under CU and PG under VU.

4. Names of Interdisciplinary courses and the departments / units involved : National Service Scheme

5. Annual / semester / choice based credit system (programme wise) : Annual

6. Participation of the department in the courses offered by other departments : N.A.

7. Courses in collaboration with other Universities, industries, foreign institutions etc.

M.A. in Bengali under Vidyasagar University in distance mode of education

8. Details of courses / programmes discontinued (if any) with reasons : N.A.

9. Number of Teaching Posts : 4 (existing 3)

Table No. 1

No. Teaching Posts	Sanctioned posts	Filled posts
Professors	N.A.	N.A.
Associate Professors	4	0
Assistant Professor	4	3

10. Faculty Profile with name, qualification, designation, specialization (D.Sc. / D. Litt. / Ph.D. / M.Phil. etc.)

Table No. 2

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for the last four years
Dr. Madan Chandra Karan	M.A., M.Phil, Ph.D. UGC NET	Assistant Professor (Stage 2)	Folklore	10 years completed	
Dr. Sanchita Bose	M.A., Ph.D. UGC NET WBCSC SLET	Assistant Professor (Stage 1)	Linguistics	7 years completed	
Smt. Malabika Bhowmick	M.A., B. Ed, B.LIS, M.Ed, M.Phil UGC NET	Assistant Professor (Stage 2)	Linguistics	13 years completed	

11. List of senior visiting faculty: 2

12. Percentage of lectures delivered and practical classes handled (programme wise)

by temporary faculty: N.A.

Table No. 3

Name of the Temporary Faculty	Academic Session taught	Programme	Total No. of Classes per week	No. of Classes taken per Week	% of Lectures delivered

13. Student-Teacher Ratio (Programme Wise):

Table No. 4

Session 2015-16	No. of Students Honours	No. of Students Pass	No. of Teachers	Student-Teacher Ratio	
1 st Year	80	88	3	27 : 1	29 : 1
2 nd Year	18	72	3	6 : 1	24 : 1
3 rd Year	20	31	3	7 : 1	10 : 1

14. Number of Academic Support Staff (technical) and administrative staff;

sanctioned and filled : N. A.

Table No. 5

Post	Sanctioned	Filled
Academic Support Staff	NA	NA
Administrative Staff	NA	NA

15. Qualifications of teaching faculty with D.Sc. / D. Litt. / Ph.D. / M. Phil. / PG

Table No. 6

Highest Qualification	No. of Teaching Faculty (Existing)
DSC/ D.Litt.	
Ph.D.	2
M. Phil.	2
P.G.	3

16. Number of Faculty with ongoing Projects from a) National b) International funding agencies and grants received

Table No. 7

Name of the Principal Investigator	Title of the Project	Funding Agency	Period	Total Grant	Affiliation
Sanchita Bose	Bangla Bhasha-Chinta O Prabasi Patrika (UGC-MRP) F.No. PHW-047/14-15(ERO)	UGC	From 27. 02. 2015 to 2 years	Rs. 1,80,000/-	Bangabasi Morning College, Kolakata - 700009

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NA

18. Research Centre /facility recognized by the University: NA

19. Publications:

a) Publications per faculty

Publications	2009	2010	2011	2012	2013	2014	2015	Total

Total Year wise publications of the Dept. without ISBN/ISSN	2- MCK 2 - SB	1 - SB	1 - MCK 1 - SB	1 - SB				8
No. of papers published in peer reviewed journals by faculty & students								
No.of publications published in International Database						1 - MCK		1
Monographs								
Chapter in books	1 - SB	2 - SB		1 - MB	1 - MCK 2 - SB	3- MCK 1 - SB 1 - MB	2 - MCK 2 - SB	16
Books Edited							3 - MCK	3
Books with ISBN/ISSN				1 - MCK	1 - MCK 1 - SB	2 - MCK	3 - MCK	8
Citation Index							1 - MCK	1
SINP								
Impact factor								
h-index								

*** For Full List of publications of the Faculty, See Annexure-1

* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) -

* Monographs :

* Publications :

Papers Published (2007-2015) (See Annexure - 1)

Teacher Name: (See Annexure - 1)

Papers Accepted:

- * Chapter in Books :
- * Books Edited :
- * Books with ISBN/ISSN numbers with details of publishers:

A. Edited Books : NIL

Sl. No. & Name	Title with page nos.	Type of Book	Publisher & ISSN / ISBN No.

B. Reference Books

Sl. No. & Name	Title with page nos.	Type of Book & Authorship	Publisher & ISSN / ISBN No.
Dr. Sanchita Bose	Chander Srutinandan : Satyendranath Dutter Kobita, 2013, Page No – 1 - 90	Reference Book, Sole Author	Reader's Service, Kolkata, ISBN ISBN 978-93- 82623-16-8

C. Seminar Attended & Participated

Paper Presented :

Sl. No.	Name of the Teacher	Title of the Seminar / Topic	Year	International /National/State/ University / College	Funding Agency
1.	Dr. Madan Chandra Karan	Human Rights overview on the few essays of Bankim Chandra.	Sept-2007	National	UGC
2.	Dr. Madan Chandra Karan	Marginal life and cultural of Sundarban	Jan,2008	National	UGC
3.	Dr. Madan Chandra Karan	Resources Persons Training Programme for programme officers (Role of N-G-O &Govt.)	June,2011	Regional National	UGC
4.	Dr. Madan Chandra Karan	Bibekanander sikhar provab	Sep,2013	National	UGC
5.	Dr. Madan Chandra Karan	• Bangla Kobitay Protibad	Sep,2013	National	UGC
6.	Dr. Madan Chandra Karan	• Sanskrit in the present scenario	Jan,2014	International	UGC
7.	Dr. Madan Chandra Karan	• Rabindranath Tagore bitarkita bishwer puja bedite(R- Tagore;India & Abroad)	Feb,2014	National	UGC
8.	Dr. Madan Chandra Karan	Bangla Nataka oithitya oadhurikata	March,2014	International	UGC
9.	Dr. Madan Chandra Karan	Bankim Chandra and overview of 21st century	March,2014	International	UGC
10.	Dr. Madan Chandra Karan	Nildarpan: a crisis of time and middle class	March,2014	National	UGC

11.	Dr. Madan Chandra Karan	Women Empowerment in India : Challenges Ahead	Sept, 2014	National	UGC
12.	Dr. Madan Chandra Karan	Tiner Tolwar, Debigarjan O Debir Mulyayan	31 Oct, 2014	National	UGC
13.	Dr. Madan Chandra Karan	Manabadhikarer Dristite Krishnakanter Will	27-28 March, 2014	International	UGC
14.	Dr. Madan Chandra Karan	Culture and Violence	14 March, 2014	State level	UGC
15.	Dr. Madan Chandra Karan	Desh Bibhager Itihas O banga Bhasa	4 April, 2014	State level	UGC
16.	Dr. Madan Chandra Karan	Prasanga Kabi Jamal O Hasan Raja	28 May, 2014	National	UGC
17.	Dr. Madan Chandra Karan	Leprosy : The Social Stigma	24 Sept, 2014	National	UGC
18.	Dr. Madan Chandra Karan	Transformation of Women : Interrogating the Discourses	16 Jan, 2015	National	UGC
19.	Dr. Madan Chandra Karan	The Context and Culture Problem in the Classroom	9 Feb, 2015	International	BMC and American Centre
20.	Dr. Madan Chandra Karan	The Major Pollutants in Sundarban Areas and Its Potential Effects	27-28 March, 2015	National	UGC
21.	Dr. Madan Chandra Karan	Changing Classroom Supporting Teachers	24-25 April, 2015	International	American Embassy and Regional English Learning
22.	Dr. Madan Chandra	Rabindranather Natak : Rup Ros	21 Aug, 2015	National	UGC

	Karan	Gandho Shabder Sparsho			
23.	Dr. Madan Chandra Karan	Euthanasia in the eyes of Human Rights and Spirituality	11-12 Sept, 2015	National	UGC
24.	Dr. Madan Chandra Karan	Pora Desher Natyokar bijan Bhattachrya	22 Sept, 2015	National	UGC
25.	Dr. Madan Chandra Karan	Titas Ekti Nodir Nam : Nabamulyayan	29-30 Sept, 2015	National	UGC
26.	Dr. Madan Chandra Karan	Bijan Bhattacharyer Natok : Ekabingsher Mulyayan	7-8 Oct, 2015	National	UGC
27.	Dr. Madan Chandra Karan	Bijan Bhattacharyer Natoke Protibadi Swar	9-10 Oct, 2015	National	UGC
28.	Dr. Sanchita Bose	Galpoguchcher Kahinite Galpe Uposthit Kathak O Srotar Samparka	1-2 March, 2012	National Seminar in Lalbaba College	UGC
29.	Dr. Sanchita Bose	Sampadok Upendrakishor	4-5 March, 2013	National Seminar in Dhrubachand Halder College	UGC
30.	Dr. Sanchita Bose	Badol Sarkarer 'Sarasattir' – Abhyasaer Samparker Biruddhe Protibad	8-9 March, 2013	National Seminar in Syamaprasad College	UGC
31.	Dr. Sanchita Bose	Mahasweta Devir 'Hajar Churashir Ma' : Protibader Nana Matra	21-22 March, 2013	National Seminar in Mahadebananda College	UGC
32.	Dr. Sanchita Bose	Mohit Chattopadhyayer Duti Natok : Madhyobitter Sachetanatar	13-14 April, 2013	National Seminar in Maharaja Manindra Chandra College	UGC

		Unmesh			
33.	Dr. Sanchita Bose	Ajker Projonmo O Vivekanandar Shiksha-chinta	17-18 September, 2013	National Seminar in Chittaranjan College	UGC
34.	Dr. Sanchita Bose	Baki Itihas : Madhyobitto Astitwer Tanaporen	14-15 March, 2014	National Seminar in Raydighi College	UGC
35.	Dr. Sanchita Bose	Rajani : Akhyaner Adhunikatar Punarbichar	27-28 March, 2014	International Seminar in Kalyani University	UGC
36.	Dr. Sanchita Bose	Bisarjan : Pratibader Bahuswar	12 Sept, 2014	State Level Seminar, K. K. Das College	UGC
37.	Dr. Sanchita Bose	The Bengali Female Writers of Nineteenth Century: Conflicts and Progressiveness	21 Sept, 2014	National Seminar, Bangabasi College	UGC
38.	Dr. Sanchita Bose	Sampadak Rabindranath O Bharati	24-25 Sept, 2014	National Seminar, Anandamohan College	UGC
39.	Dr. Sanchita Bose	Badal Sarkarer Natok : Protha Theke Muktir Dike	26-27 Sept, 2014	National Seminar, Vidyanagar College	UGC
40.	Dr. Sanchita Bose	Jyotirindra Nandir Galpo : Grihobadhuder Onyo Bhuban	11 Nov, 2014	State Level Seminar, K. K. Das College	UGC
41.	Dr. Sanchita Bose	Chaturanga : Protibader Barnomala	4-5 Dec, 2014	National Seminar, Raja Pyarimohan College	UGC
42.	Dr. Sanchita Bose	Ekush Shataker Shishur Bangla Bhasha Shikkha :	9 Feb, 2015	International Seminar, Bangabasi Morning College	Bangabasi Morning College and

		Likhito Bangla Rupkothar Bhashatatwik O Sanskritik Porisore			American Centre
43.	Dr. Sanchita Bose	Shambhu Mitrer Galpo : Niyotir Protispordhi Manush	10-11 April, 2015	National Seminar, Prasanta Chandra Mahalanobis Mahavidyalay	UGC
44.	Dr. Sanchita Bose	'Dakghar' Pada O Padbar Anyomatra, Anyo Abhimukh	20-21 Aug, 2015	National Seminar, Mahadevananda College	UGC
45.	Dr. Sanchita Bose	Potrikay Prokashito Kesh-teler Biggapon : Janapriyo Porisare	3-4 Sept, 2015	National Seminar, Rampurhat College	UGC
46.	Smt. Malabika Bhowmick	Rabindranath O Tar Chotogolpo	March 10- 11, 2011	National	UGC
47.	Smt. Malabika Bhowmick	Rabindranath: Ekush Shalok Sikshya Prosonkikota	March 28- 29, 2011	• International	UGC
48.	Smt. Malabika Bhowmick	Ekti Upannas: Rabindra Vabnay Tin Nari	January 6-7, 2012	National	UGC
49.	Smt. Malabika Bhowmick	Dandok Theke Morineh Jhapi: Vdbastu Jibon.Jibika O Sanskritir Prosono.	November 16 & 21, 2012	State level	UGC
50.	Smt. Malabika Bhowmick	Bangle Sanskritir Sangbad O Probasi	May 3 &4, 2012	International	UGC
51.	Smt. Malabika Bhowmick	Abonindro Sahitya- Chitrye Loko Sanskritir Provab: Anibarjota	21.01.2013	International	UGC
52.	Smt. Malabika Bhowmick	Dakghor: purabrito - prottyabritto	13th - 14th april, 2013	National	UGC

53.	Smt. Malabika Bhowmick	Rabindra sahitye shishu siksha: netimor udhv aboner prothom sapon	2 nd & 3 rd October, 2013	National	UGC
54.	Smt. Malabika Bhowmick	Rabindra bitorker smriti sotta: vobiss bitorko	Feb 28, 2014	National	UGC
55.	Smt. Malabika Bhowmick	Banshori: oitjyo o adhunikotar dycotomy	March, 4 th 5 th , 2014	International	UGC
56.	Smt. Malabika Bhowmick	Bonkim sahitya bankim manas: nari siksha	March 27-28, 2014	International	UGC
57.	Smt. Malabika Bhowmick	Kshomatar Choritra, Sankoter Kolpana Ekusher Nari : Sochitra Shishir	Nov 11, 2014	State level	UGC
58.	Smt. Malabika Bhowmick	Shrenikokshe Bhasa – Sanskritir Sommilon : Graminata O Nagorikota	Feb 9, 2015	International	American Centre and Bangabasi Morning College
59.	Smt. Malabika Bhowmick	Shambhu Mitraer Probondho O Chotogolpo : Ek Sanghoto Path O Jogosutra	April 10-11, 2015	National	UGC
60.	Smt. Malabika Bhowmick	Rabindra Natyochorchar Samprotik Abhimukh : Prasangikota Anibarjo	Aug 20-21, 2015	National	UGC

Seminar attended

Sl. No.	Name of the Teacher	Title of the Seminar / Topic	Year	International /National/State/ University / College	Funding Agency
1.	Dr. Madan Chandra Karan	Human Rights overviews on the few selected essays of Bankim chandra	Sept,2007	National	UGC
2.	Dr. Madan Chandra Karan	Renesaunce Reborn	March,2007	Intemational	UGC
3.	Dr. Madan Chandra Karan	Marginal cultural life of Sundarban	Jan,2007	National	UGC
4.	Dr. Madan Chandra Karan	Rabindranath SamajSeba	May 2010	National	UGC
5.	Dr. Madan Chandra Karan	Marginal cultural and life of Sundarban	Jan,2011	National	UGC
6.	Dr. Madan Chandra Karan	Resource Persons Training program for program officers in Bhubonaswer	June 2011	Regional	UGC
7.	Dr. Madan Chandra Karan	Youth to the Age,N.E.C Govt. of India	March 2012	National	UGC
8.	Dr. Madan Chandra Karan	The crisis of Modern civilization and relevance of Vivekananda's Philosophy.	Sept.2012	State level	UGC
9.	Dr. Madan Chandra Karan	Training Comp on disaster Manage,C.II	March 2013	National	UGC
10.	Dr. Madan Chandra Karan	An Interdisciplinary Approach towards sustainable development	May 2013	International	UGC

11.	Dr. Sanchita Bose	Satabarsher Aloy Ashapura	9 Jan, 2009	University Seminar in University of Calcutta	University of Calcutta
12.	Dr. Sanchita Bose	Mathematics and Computer Science – An Interface	14 March, 2009	State level Seminar in Bangabasi Morning College	UGC
13.	Dr. Sanchita Bose	Tagore Study and Marginal Life, Literature and Culture of Sundarban	4-5 Feb, 2009	National Seminar in University of Calcutta	UGC
14.	Dr. Sanchita Bose	Aesthetics	21 March, 2009	University Workshop in Jadavpur University	UGC
15.	Dr. Sanchita Bose	Bangla Natoker Gan	15 Sept, 2008	State level Seminar in Acharya Girish Chandra Bose College	UGC
16.	Dr. Sanchita Bose	Adhunikar Modhyojug Charcha	29-30 July, 2009	University Seminar in Jadavpur University	UGC
17.	Dr. Sanchita Bose	Fairy Tales : The Magic Mirror or the Looking Glass	8 Sept, 2009	State level Seminar in Women's College	Dept of Higher Education, Govt of West Bengal
18.	Dr. Sanchita Bose	Manik Bandyopadhyayer Rachanakritir Punarmulyan	3-4 Feb, 2010	National Seminar in Scottish Church College	UGC
19.	Dr. Sanchita Bose	Multiverse of Folkcultures : An Eastern Perspective	5-6 Feb, 2010	National Seminar in Gurudas College	UGc
20.	Dr. Sanchita Bose	Rabindranath 150	4-5 March, 2010	International Seminar in Jadavpur University	UGC

21.	Dr. Sanchita Bose	Purba Bharater Bhasha O Sanskritir Nana Dik	18-19 March, 2010	National Seminar in Jadavpur University	UGC
22.	Dr. Sanchita Bose	Satabarsho-uttor Manik : Ekaler Protyasha	7-8 April, 2010	State level Seminar in Presidency College	UGC
23.	Dr. Sanchita Bose	Rabindra Sahityer Chalachitrayan	26-27 Aug, 2010	National Seminar in Jadavpur University	UGC
24.	Dr. Sanchita Bose	Bharatiyo Natak O Bangla Natok : Bhabnay O Proyoge	17-18 Jan, 2011	State level Seminar in Victoria Institution	UGC
25.	Dr. Sanchita Bose	Rabindranath O Madhyajuger Sahitya	8-9 April, 2011	International Seminar in Jadavpur University	UGC
26.	Dr. Sanchita Bose	Vivekananda and His Relevance	23 March, 2013	College level Seminar in Bangabasi Morning College	UGC
27.	Dr. Sanchita Bose	Environmental Interface : An Interdisciplinary Approach Towards Sustainable Development	3 May, 2013	International Seminar in Muralidhar Girls College	UGC
28.	Dr. Sanchita Bose	Standardization of Bangla Style Sheet	24-25 Feb, 2014	National Seminar in Jadavpur University	UGC
29.	Dr. Sanchita Bose	Bitarkito Rabindranatha : Deshe O Bidesshe	28 Feb, 2014	National Seminar in Rabindra Bharati University	UGC
30.	Dr. Sanchita Bose	Bangla Natok : Oitihya O Adhunikata	4-5 March, 2014	International Seminar in Rabindra Bharati University	UGC
31.	Dr. Sanchita Bose	Culture and Violence	11 March 2014	State level Seminar in Acharya Girish Chandra Bose	UGC

				College	
32.	Dr. Sanchita Bose	Cyber Crime in the Twenty-first Century in India	28 Nov, 2014	National Seminar, Women's Christian College	UGC
33.	Dr. Sanchita Bose	Corporate Frauds and Its Impacts on Indian Business Environment	17 March, 2015	State Level Seminar, Bangabasi Morning College	UGC
34.	Dr. Sanchita Bose	Janmashatabarshe Adwaito Mallobarman	29-30 Sept, 2015	National Seminar, Acharya Jagadish Chandra Bose College	UGC
35.	Smt. Malabika Bhowmick	Inclusion Of The Excluded: Agenda Of Education For Social Leveling And Empowerment		National Seminar	UGC
36.	Smt. Malabika Bhowmick	Tagore Study In New Perspective- Marginal Life, Literature And Culture Of Sundarban	4 th & 5 th feb 2009	National Seminar	UGC
37.	Smt. Malabika Bhowmick	Recent Trends In Renewable And Alternative Energy Source	29 th aug, 2009	National	UGC
38.	Smt. Malabika Bhowmick	Tagore Study In New Perspective	25 th & 26 th march, 2010	National	UGC
39.	Smt. Malabika Bhowmick	Rabindra Sahityer Cholochitrayan	25 th -26 th march 2010	National	UGC
40.	Smt. Malabika Bhowmick	Shotoborsho-Uttor Manic: Ekaler Prothyasha	26 th – 27 th aug 2010	State level	UGC
41.	Smt. Malabika Bhowmick	Shardho Shotoborshe Rabindranath	2-3 rd feb 2011	National	UGC

42.	Smt. Malabika Bhowmick	Trends And Educational Philosophy In The 21 st Century: Perspective From Swami Vivekananda.	16-17 th march 2012	National	UGC
43.	Smt. Malabika Bhowmick	Mir Mosharof Hosen: Jibon Akriti	9 th feb 2013	National	UGC
44.	Smt. Malabika Bhowmick	Corporate Frauds and Its Impacts on Indian Business Environment	March 17	State level	UGC
45.	Smt. Malabika Bhowmick	Environmental Impacts on Health : Towards Better Future	March 27-28	National Conference	UGC
46.	Smt. Malabika Bhowmick	Janmashatabarshe Adwaito Mallobarman	Sept 29-30, 2015	National	UGC

20. Areas of consultancy and income generated:

21. Faculty as members in

Sl. No.	Faculty	Serving in (a) National Committees (b) International Committees (c) Editorial Board (d) any other

22. Student projects:

Educational Tour Cum Project for practical education and experience organizes by Bengali Dept, every year from 2012-13. All of the students and teachers actively participate in the Educational Tour Cum Project.

e.g.

RabindraBhaban Museum, Jorasanko (30.04.2013 and 19.10.2015)

Vivekananda's House, Vivekananda Road, Kolkata (08.05.2013)

Rammohan Roy Memoial Museum, Kolkata (16.01.2014)

Bibhuti Smarak Bhaban, Barrackpore (25.03.2014)

Gandhi Museum, Barrackpore (25.03.2014)

23. Awards/Recognitions received by faculty and students:

Dr. Madan Chandra Karan –

1. Banga Ratnashree Awards Ceremony, that held at the Press Club, Kolkata, on the International Mother Language Day (21 February). The programme was organised by the Indian Photo & Cultural Lover Welfare Foundation, the Sankalpa Today and the Indian Freelance Journalists and Photographer Welfare Foundation on 21 February, 2015.
2. NSS Merit Medal 2010—11, CU in 2010-11.
3. Vidyalankara in 2007

24. List of eminent academicians and scientists / visitors to the department

1.	Prof. Saswata Bhattacharya, Assistant Professor in Bengali, Jadavpur University
2.	Prof. Rajib Chowdhury, Assistant Professor in Bengali, St. Xavier's College

25. Seminars/ Conferences/Workshops organized & the source of funding:

Sl.No.	Seminar/Workshop	Date	Source of Funding

26. Students profile programme /course wise:

Name of the Course/programme	Year	Intake Capacity	Applications received	Selected	Enrolled		Pass percentage
					*M	*F	
BA Hons, 1 st Year, RNCA	2011-12	70	165	106	61	45	
BA Hons, 2 nd Year, RNCA	2011-12			25	18	7	
BA Hons, 3 rd Year, BNGA	2011-12			23	19	4	
BA Hons, 1 st Year, RNCA	2012-13	70	147	69	43	26	65
BA Hons, 2 nd Year, RNCA	2012-13			44	22	22	
BA Hons, 3 rd Year, RNCA	2012-13			30	18	12	

BA Hons, 1 st Year, RNCA	2013-14	80	100	36	19	17	78
BA Hons, 2 nd Year, RNCA	2013-14			28	11	17	
BA Hons, 3 rd Year, RNCA	2013-14			24	13	11	
BA Hons, 1 st Year, RNCA	2014-15	80	280	35	12	23	42
BA Hons, 2 nd Year, RNCA	2014-15			32	18	14	
BA Hons, 3 rd Year, RNCA	2014-15			26	16	10	
BA Hons, 1 st Year, RNCA	2015-16	80	128	76	54	22	-----
BA Hons, 2 nd Year, RNCA	2015-16			16	3	13	
BA Hons, 3 rd Year, RNCA	2015-16			23	10	13	

*M = Male *F = Female

27. Diversity of Students:

Name of the Course	% of the students from the same state	% of the students from other states	% of the students from abroad
BENGALI HONS 1 ST	98%	2%	NA

Social profile of the students

Name of the course	Year	General	S.C.	S.T.	O.B.C.	Minority
B.A Hons, 1 st Year, BNGA	2011-12	37	3	1	6	13
BA Hons 2 nd Year, BNGA	2011-12	18	1	0	1	4
BA Hons 3 rd Year, BNGA	2011-12	13	1	0	5	4
B.A Hons, 1 st Year, BNGA	2012-13	51	3	1	6	9
BA Hons 2 nd	2012-	34	1	0	3	6

Year, BNGA	13					
BA Hons 3rd Year, BNGA	2012-13	20	2	0	3	5
BA Hons, 1 st Year, BNGA	2013-14	37	0	0	0	0
BA Hons 2 nd Year, BNGA	2013-14	21	2	0	5	0
BA Hons 3rd Year, BNGA	2013-14	22	0	0	2	0
BA Hons, 1 st Year, BNGA	2014-15	53	8	0	4	5
BA Hons 2 nd Year, BNGA	2014-15	22	5	0	2	3
BA Hons 3rd Year, BNGA	2014-15	19	3	0	2	2
BA Hons, 1 st Year, BNGA	2015-16	54	15	0	2	5
BA Hons, 2nd Year, BNGA	2015-16	6	9	0	0	1
BA Hons, 3rd Year, BNGA	2015-16	18	5	0	0	0

28. How many students have cleared national and state competitive examinations

such as NET, SLET, GATE, Civil services, Defense services, etc.?: NA

29. Student progression:

Student progression	Against % enrolled
UG to PG	
PG to M. Phil.	
PG to Ph.D.	

Ph.D. to Post-Doctoral	
Employed	
Entrepreneurship/ Self-employment	

30. Details of infrastructural facilities

a) **Library**— Yes, The Dept has a strong library to provide better education

b) **Internet Facilities for Staffs and Students:**

c) **Class rooms with ICT facility Available:** YES

31. **Number of students receiving financial assistance from college, university, government or other agencies:**

32. **Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:** Special Lectures

33. **Teaching methods adopted to improve student learning-**
Both the verbal and technical

34. **Participation in Institutional Social Responsibility (ISR) and Extension activities:**

A few.

35. **SWOC analysis of the department and Future plans:**

Strength

1. Higher qualified faculty members.
2. Good communication
3. The College and also the Dept has the the credit for providing help among the poor and meritorious students
4. Use of technology in teaching like power point , etc.
5. Strong Departmental Library for Hons and also the Pass course
6. Progressive Evaluation Method and Mid Term Test receiving..
7. Good relation and interdisciplinary discussion of education

Weakness

1. One post of Permanent faculty member is vacant
2. Many poor students come here, who can't afford their education cost. They are really from insolvent family, who are helpless to take their education with coll brain. Many of them fail to complete the course.

Opportunity

The Dept has a great contribution in education in West Bengal.

The Dept has been trying to provide better education in future and partly successful.

Challenges

Poverty of the students is a challenge to us.

Future Plans:

***Annexure - I

Teacher Name:

1. Dr. Madan Chandra Karan

LIST OF PUBLICATIONS :

Books :

1. Banglay Panini Shikkha, Sahitya Jagat, 2015, ISBN : 978-81-925190-2-2
2. Communalism and Counter Communalism, Ananda Prakashani, 2015, ISBN 978-93-81683-89-7
3. Ek Mohajibaner Padaprante, Published by Sourajyoti Samanta, 2015,
4. Jodi Hote pari Priyojon, Pramita Publication, 2015
5. Bhut Bhoirabir Upakhyan, Patrabali, 2015
6. Amiyabhushaner Upanyase Lokayata Upadan, Sahitya Jagat, 2014, ISBN 978-81-92-5190-9-8
7. Sura Saki Singhasan, Sahitya Jagat, 2014, ISBN 978-81-925190-3-6
8. Krishnakanter Will, Burdwan University, DDE Dept, 2014
9. Sraboner Barsha, Sahitya Jagat, 2012, ISBN 978-81-925190-1-2
10. Nek Nahas, Sahitya Jagat, 2012

11. Bidyarthir Dristite Birangana, S S Publication, 2013
12. Sachin Sengupter Sirajdoulla, S S Publication, 2013
13. Bangla Manjusha, S S Publication, 2012-13
14. Jannater Sangsar, Nabadiganta Prakashani, 2008-09
15. Meghe Dhaka Tara, Arunima prakashani, 2007-8
16. The Stars Behind Cloud, The Saraswati Printing Works, 2008-9
17. Tiner Talwar : Nabamulyayan

Articles / Paper

1. Women Empowerment in India : Challenges Ahead, Naba Bulleygunge Mahavidyalay and Bangabasi College, 2014, ISBN 978-81-9236-45-7-5 pg. 333-334
2. Tiner Talwar , Debiagarjan O Debir Mulyayan , Rohini Nandan and Vidyanagar College, Oct, 2014, ISBN 978-81-92-87-21-9-3 pg no. 179-182
3. Buddha Bibek Chaitanya Chetana, Chittaranjan College, 2013, IS 978-93-93521-07-4

Teacher's Name :

2. Dr. Sanchita Bose

[a] Book by sole author

1. Chander Srutinandan : Satyendranath Dutter Kobita, Sanchita Bose, Reader's Service, Kolkata, 2013, ISBN 978-93-82623-16-8

[b] Chapters in books

1. Jyotirindra Nandir Galpo : Grihobodhuder Onyo Bhuban, Empowerment of Women : Some Issues, Challenges and Debates; 20th & 21st Century, Edited by Dr. Rajyasri Neogy and Sreyashi Sarkar, K. K. Das College, Elegant Publications, 19 May, 2015, ISBN : 978-93-83360-18-5
2. Rabindranath O Bouddha Sahitya, Bangla Sahitye Prachin O Madhyabharatiyo Sahityer Onusrijan, Edited by, Dr. Manas Jana, Ramkishor Barman, Asit Biswas, Sree Agrasen Mahavidyalay, Alakananda Publishers, 1st January, 2015, ISBN : 978-93-82477-07-5

3. 'Bichitrita', 'Chorar Chobi'. 'Chitralipi' : Chobi-Kobitar Ulatpuran, Naba Robi Kirone, Edited by Jayanti Saha Roy, Ashadeep, January 2014, ISBN 978-93-81245-38-5
4. Upendrakishorer 'Sandesh' : Sampadanar Obhipray, Upendrakishor : Srishtir Nana Diganto, Edited by Dr. Shobhona Ghosh, Reader's Service, December 2013, ISBN 978-93-82623-19-9
5. Ashalata Singher Prabandho : 1335-Er Naribhabna, Byatikromi Sahityaprativa : Ashalata Singha, Edited by Jayanti Saha Roy, Jodhan Prakashani, May 2013, ISBN 978-81-923689-0-0
6. Narratology, Sahityakosh Kathasahitya, Edited by Alok Roy, Sahityalok, September 2010, ISBN 81-86946-81-0
7. Mokabila – U. R. Anantmurty, Bishoy Atmohanan : Ekti Bhashabandhan Sankalan, April 2010
8. Ecoriticism, Paschatya Sahityatatwa O Sahityabhabna, Edited by Nabendu Sen, Ratnabali, June 2009
9. Parashuramer 'Ratarati' : Ekti Galper Nirman, Bidagdho Rajshekhar : Rasik Parashuram, Edited by Manab Chakraborty and Shantanu Gangopadhyay, Jalarko, December 2007
10. Nari : Srasta O Sristi – Unabingsha Shatabdi : 1801-1900, Prabandha Sanchayan, Edited by Dr. Satyabati Giri and Dr. Samaresh Majumder, Ratnabali, Second Edition, March 2006

[c] Papers in Journals

1. Narendranth Mitrer Galpo : Karmorato Meyeder Bhumika (1945-1955), Atmabikash, July- September, 2015, ISSN 2278-6171
2. Kobitar Anyomatra : Rabindranather 'Chorar Chobi', Khoai, 9 May, 2015, ISSN : 2319-8389 KHOAI
3. Mohit Chattopadhyayer Duti Natok : Madhyabitter Sachetanatar Unmesh, Ajker Jodhan, September-October 2014, ISSN 0871-5819
4. Shilpider Chokhe Parashuramer Galpo, Antarjatic Pathsala, October-December 2013, ISSN 2230-9594
5. Rajshekhar – Parashuram : Dui Naam Ek Bykhitwo, Antarjatic Pathsala, January-March 2013, ISSN 2230-9594
6. Bharatchandrer Annadamangal : Ekti Nirikhsha, Ajker Jodhan, September-October 2012, ISSN 0871-5819
7. Galpe Upsthit Kathak-Srota Tanaporen, Ajker Jodhan, January-February 2012, ISSN 0871-5819
8. Ashapumar 'Pankhimahal' : Sarbango Kathaker Nirikhe, Tobuo Prashno, Ashapurna Devi Satabarsho Smarok Sankhya, 2009-10
9. Kobitay Balendranath, Korok Sahitya Patrika, 2007
10. Parashuramer 'Ratarati' : Ekti Galper Nirman, Jalarko, Rajshekhar Basu – Parashuram Bishesh Sankhya, December 2007
11. Mokabila – U. R. Anantmurty, Bhashabandhan, April-May 2006
12. Sei Mohonar Dhare : Saon Nandi, Neel Akshar, 2011
13. Adhkhana Mukh, Notun Goti, Id Sankhya, 2012

Teacher's Name :

3.Smt. Malabika Bhowmick

Journal

1. Bangle Sahitya Chitrakala: Samantara Pathojatra, Ebang Mushayera, **April-june 2011**
2. Chiranjay Chakraborty Golpo: Na- Aakhyaner Avinaba Bunot, Ebang Mushayera, **July-sept 2011 & oct-dec 2011**
3. Hanyaman: Sankater Porichoy, Parichoyer Sonkat, Ebang Mushayera **Oct-dec 2012**
4. Rammohon: Sankoter Samantorale Koyekti Bikshipto Prosango, Parkatha, **Dec-2012**
5. Bigwapan: Meyeliyana, Lipi Nagorik, **Feb 2013**
6. Buro Aongla – Aban Tohol, Lipi Nagorik, **Aug 2013**

Chapters

1. Jogayog: Protibader Rup O Bahumatrik Binnayas, Uponyase Podibad, Ed by Debabrata Biswas, Banglar Mukh, **Nov 2012, ISBN 978-81-921186-7-3**
2. Dakghor: Nironkshor Amoler Akshorer Akuti, Dakghar Ananto Jibonkatha, Ed by Debabrata Biswas and Asutosh Biswas, Proggabikash, **March 2014, ISBN 978-93-83016-14-3**

1. Name of the Department: BOTANY

2. Year of Establishment: 1965

3. Names of the Programmes / Courses offered (UG, PG, M.Phil, Ph.D., Integrated Masters; Integrated Ph.D. etc.)

UG only

4. Names of Interdisciplinary courses and the departments / units involved

Environment Science

5. Annual / semester / choice based credit system (programme wise)

Annual

6. Participation of the department in the courses offered by other departments

N.A.

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 No. 1

No. Teaching Posts	Sanctioned posts	Filled posts
Professors	N.A.	N.A.
Associate Professors	1	1
Assistant Professor	2	2

10. Faculty Profile with name, qualification, designation, specialization (D.Sc. / D. Litt. / Ph.D. / M.Phil. etc.)

Table No. 2

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for the last four years
Dr. Shyamali Majumder	M.Sc., Ph.D., L.L.B.	Associate Professor and Head	Palynology, Taxonomy and Ecology	34 Years	N.A.
Smt. Papiya Saha	M.Sc., Qualified NET	Assistant Professor	Cell Biology, Genetics, Plant tissue culture, Plant Physiology, Biochemistry and Molecular Biology	10 Years 9 Months	N.A.
Dr. Radharaman Bar	M.Sc., Ph. D., Qualified NET	Assistant Professor	Phycology and Taxonomy	9 Years 1 Month	N.A.
Sri. Sourav Sengupta	M.Sc.	Part Time Teacher	Plant physiology and Biochemistry	9 Years 1 Month	N.A.
Smt. Paramita Chatterjee	M.Sc.	Part Time Teacher	Plant Physiology, Biochemistry and Molecular Biology	5 Year 10 months	N.A.
Sri Sandeep Chakraborty	M.Sc.	Guest Teacher	Cell Biology, Genetics, Plant tissue culture	4 months	N.A.

11. List of senior visiting faculty:

Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Table No. 3

Name of the Temporary Faculty	Academic Session taught	Programme	Total No. of Classes per week	No. of Classes taken per Week	% of Lectures delivered
Sri Sandeep Chakraborty	2014-2015	B. Sc. First Year	33	4	12.1
		B. Sc. Second Year	32	2	6.3
		B. Sc. Third Year	37	4	10.8

13. Student-Teacher Ratio (Programme Wise):

Table No. 4

Session	No. of Students Honours	No. of Students Pass	No. of Teachers	Student-Teacher Ratio	
2011-2012	81	67	5	16.2	13.4
2012-2013	133	103	5	26.6	20.6
2013-2014	89	79	5	17.8	15.8
2014- 2015	110	142	5	22	28.4

14. Number of Academic Support Staff (technical) and administrative staff;

sanctioned and filled : N.A.

Table No. 5

Post	Sanctioned	Filled
Academic Support Staff		
Administrative Staff		

15. Qualifications of teaching faculty with D.Sc. / D. Litt. / Ph.D. / M. Phil. / PG

Table No. 6

Highest Qualification	No. of Teaching Faculty (Existing)
DSC/ D.Litt.	
Ph.D.	1 (Associate Professor) 1 (Assistant Professor)
M. Phil.	
P.G.	1 (Assistant Professor) 2 (Part Time Teacher) 1 (Guest Teacher)

16. Number of Faculty with ongoing Projects from a) National b) International funding agencies and grants received: Nil

Table No. 7

Name of the Principal Investigator	Title of the Project	Funding Agency	Period	Total Grant	Affiliation

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

2 UGC Minor Research Projects under Smt. Papiya Saha have been completed

a) F. PSW-110/06-07 (ERO) dated 10.02.2007 entitled "Physiochemical studies of salinity stress in legumes" of total grant of Rs. 60,000.

b) PSW-030/11-12 (ERO) dated 08.08.2011 entitled "Amelioration of salt induced physio-chemical changes by NaCl pretreatment in mungbean" of total grant of Rs. 1, 98,000.

18. Research Centre /facility recognized by the University: N.A.**19. Publications:**

a) Publications per faculty

Publications	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
Total Year wise publications of the Dept. without ISBN/ISSN										
No. of papers published in peer reviewed journals by faculty & students	1	1		2		4	2	4	2	
No. of publications published in International Database	1	1		2		3	1	2	1	
Monographs										
Chapter in books				1	1					
Books Edited				1					1	
Books with ISBN/ISSN				1					1	
Citation Index	3	2		67, 5		6				
SINP										
Impact factor	0.7	1.11		0.84,		3.33, 4.28, 3.78	0.47	4.28, 4.28	1.85	
h-index										

*** For Full List of publications of the Faculty, See Annexure-1

* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) -

* Monographs :

* Publications :

Papers Published (2007-2015)

Teacher Name: Smt. Papiya Saha

Papers Accepted: Nil

* Chapter in Books : Nil

* Books Edited : Nil

* Books with ISBN/ISSN numbers with details of publishers: Nil

A. Edited Books :

Sl. No. & Name	Title with page nos.	Type of Book	Publisher & ISSN / ISBN No.

B. Reference Books

Sl. No. & Name	Title with page nos.	Type of Book & Authorship	Publisher & ISSN / ISBN No.

C. Seminar Attended & Participated

Sl. No.	Title of the Seminar	Year	International /National/State/ University / College	Funding Agency
1	"Expanding Horizons of Human Rights"	18-19 September, 2007	Regional Seminar organised by Bangabasi Evening College, Kolkata	UGC
2	"Biodiversity: Issues & Concerns"	21-23 November, 2007	International Conference	Biological Sciences Division of the Indian Statistical Institute, Kolkata
3	"A journey from Plant Physiology to Plant Biology"	24-28 November, 2008	International Symposium	Bose Institute, Kolkata
4	"Research & Data Analysis Using IBM SPSS Statistics 18"	29-30 September, 2010	Faculty Development Workshop	Indian Statistical Institute, Kolkata
5	"Genomic Research and Impact in Plant System"	21 March, 2011	National Symposium	Centre of Advanced Study, Department of Botany, University of Calcutta
6	"Plant Biotechnology- A New Gene Revolution"	8 September, 2011	Regional Seminar organised by Department of Botany, Ramakrishna Mission Vivekananda Centenary College, Kolkata	UGC
7	"Advances in Abiotic and Biotic Stress Management of Plants" Paper presented	23-24 September, 2011	National Symposium	DRS-Department of Botany, University of North Bengal, Siliguri
8	"Organic Agriculture and Bio-Safety"	18 November, 2011	National Seminar organised by Bioscience Departments of Gurudas College, Kolkata	UGC
9	"Plant Diversity and Resources: Evolution, Analyses, Stress and Challenges and	20-22 December, 2011	National Symposium	Botanical Society of Bengal, the Department of Botany & Centre

	Palaeophytodiversity: Its Aspects and Prospects” Paper presented			of Advanced Study, University of Calcutta
10	“The Crisis of Modern Civilization and the Relevance of Vivekananda’s philosophy”	7 September, 2012	State level Seminar	Bangabasi College, Kolkata
11	The Indian Science Congress Poster presented	3-7 January, 2013	National Seminar	University of Calcutta, Kolkata
12	“Biodiversity: Interrelationship between Flora, Fauna and Human” Paper presented	29-30 September, 2013	National Conference organised by Bioscience Departments of Mrinalini Datta Mahavidyapith, Kolkata	UGC
13	“Plant Diversity: Structure, Function, Utilization and Conservation” Paper presented	4-6 December, 2014	National Symposium	Botanical Society of Bengal, CAS, Department of Botany, University of Calcutta
14	“Corporate Frauds and Its Impact On Indian Business Environment”	17 March, 2015	State level Seminar organised by Bangabasi Morning College, Kolkata	UGC
15	“Environmental Impacts on Health: Towards a Better Future”	27-28 March, 2015	National Conference organised by Bangabasi Morning College in collaboration with Das Research Centre and Clinical Laboratory, Kolkata	UGC
16	“Mathematics and Its Impact On Natural Sciences” Poster presented	11-12 September, 2015	National Seminar organised by Bangabasi Morning College in collaboration with Surendranath College, Kolkata	UGC
17	“Cultivation of edible mushrooms: Techniques and Agri-Business	21-24 December, 2015	National Workshop, Department of Botany, Sarsuna College collaboration with	UGC

prospects		Department of Botany: Vivekananda College for women.	
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Teacher Name: Dr. Radharaman Bar

Papers Accepted: Nil

- * Chapter in Books : 1
- * Books Edited : 2
- * Books with ISBN/ISSN numbers with details of publishers: 2

A. Edited Books :

Sl. No. & Name	Title with page nos.	Type of Book	Publisher & ISSN / ISBN No.
1. Dr. Kumud Ranjan Naskar and Radharaman Bar	SUNDARBANS: ISSUES & THREATS, pg -275	Reference book	Published by Central Inland Fisheries Research Institute, Barrackpore, 700120
1. Dr. Sreejta Biswas, Dr.Mukul Kr. Mitra and Dr. Radharaman Bar	Environmental Impact on Health: Towards a Better Future Pg:- 480	Reference book	Readers Service, 59/5A, Garfa Main Road, Kolkata 700075. (ISBN: 978-93-82623-51-1)

B. Reference Books

Sl. No. & Name	Title with page nos.	Type of Book & Authorship	Publisher & ISSN / ISBN No.

C. Seminar Attended & Participated

		International	
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Sl. No.	Title of the Seminar	Year	/National/State/ University / College	Funding Agency
1	"Expanding Horizons of Human Rights"	18-19 September, 2007	Regional Seminar organised by Bangabasi Evening College, Kolkata	UGC
2	"Biodiversity: Issues & Concerns"	21-23 November, 2007	International Conference	Biological Sciences Division of the Indian Statistical Institute, Kolkata
3	"GLOBAL WARMING AND ITS IMPACT ON THE ABIOTIC COMPONENTS OF THE GREEN PLANET"	31st March, 2008	State Level Seminar at South Calcutta Girls College.	UGC
4	"MATHEMATICS AND COMPUTER SCIENCE – AN INTERFACE"	14th March, 2009	Seminar at Bangabasi Morning College	UGC
5	INDIAN YOUTH SCIENCE CONGRESS Paper presented	5-7th June, 2009		M.S. Swaminathan Research Foundation, Rajiv Gandhi National Institute of Youth Development (RGNIYD) and SRM University
6	"Research & Data Analysis Using IBM SPSS Statistics 18"	29-30 September, 2010	Faculty Development Program	Indian Statistical Institute, Kolkata
7	Paper presented	6th Sep, 2013	National Level Seminar at Ramkrishna Mission Vivekananda Centenary College, Rahara in collaboration with Brahmananda Kesab Chandra College, Kolkata.	UGC
8	"Biodiversity: Interrelationship between Flora, Fauna and Human" Paper presented	29-30 September, 2013	National Conference organised by Bioscience Departments of Mrinalini Datta Mahavidyapith, Kolkata	UGC
9	XXIII Annual Conference of Indian	27-29th December, 2013	National Seminar	Rastrasant Tukadoji

	Association For Angiosperm Taxonomy Paper presented			Maharaj Nagpur University, Nagpur
10	“Cultivation of edible mushrooms: Techniques and Agri-Business prospects	21-24 December, 2015	National Workshop, Department of Botany, Sarsuna College collaboration with Department of Botany: Vivekananda College for women.	UGC

Teacher Name: Sri. Sourav Sengupta

Papers Accepted: 1

* Chapter in Books : Nil

* Books Edited : Nil

* Books with ISBN/ISSN numbers with details of publishers: Nil

A. Edited Books :

Sl. No. & Name	Title with page nos.	Type of Book	Publisher & ISSN / ISBN No.

B. Reference Books

Sl. No. & Name	Title with page nos.	Type of Book & Authorship	Publisher & ISSN / ISBN No.

C. Seminar Attended & Participated

Sl.	Title of the	Year	International /National/State/	Funding

No.	Seminar		University / College	Agency
1	“Environmental and Ecological Statistics with Application” Paper presented	March 21-23, 2007	International Conference	Indian Statistical Institute, Kolkata.
2	“Biodiversity: Issues and Concerns” Paper presented	Nov 21-23,2007	International Conference	Indian Statistical Institute, Kolkata,
3	“Sacred Groves of India : A Travelling Exhibition”	Sept 9-11, 2008	National workshop held in Vishnupur, Bankura	IGRMS, Bhopal and Centre for Interdisciplinary Studies, Barrackpore
4	“Plant Biotechnology- A New Gene Revolution”	September 8, 2011	Seminar organized by Department of Botany, Ramakrishna Mission Vivekananda Centenary College, Rahara in collaboration with Department of Botany, Presidency University, Kolkata	UGC
5	“Research & Data Analysis Using IBM SPSS Statistics 18”	29-30 September, 2010	Faculty Development Workshop	Indian Statistical Institute, Kolkata
6	“Geomatics for Water and Environmental Technologies”	October 19- 31, 2009	National Level Staff Development Programme held at Centre for Water Resource, Institute of Science and Technology, J N T University, Hyderabad – 500 085, Andhra Pradesh, India	A.I.C.T.E
7	“India Biodiversity Meet-2013” Paper presented	March14-16, 2013	National	organized by Agricultural and Ecological Research Unit, Indian Statistical Institute, Kolkata in collaboration with Bio-mathematical

				Society of India, held at Indian Statistical Institute, Kolkata
8	"B.Sc.Botany Honours Part III Practical for College Teachers"	October 24-25, 2013	workshop	Department of Botany, University of Calcutta
9	"Taxonomy and Biosystematics of vascular Plants"	July 14-22,2014	workshop organized by Taxonomy and Biosystematics Laboratory	Department of Botany, University of Calcutta

Teacher Name: Smt. Paramita Chatterjee

Papers Accepted: Nil

* Chapter in Books : Nil

* Books Edited : Nil

* Books with ISBN/ISSN numbers with details of publishers: Nil

A. Edited Books :

Sl. No. & Name	Title with page nos.	Type of Book	Publisher & ISSN / ISBN No.

B. Reference Books

Sl. No. & Name	Title with page nos.	Type of Book & Authorship	Publisher & ISSN / ISBN No.

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C. Seminar Attended & Participated

Sl. No.	Title of the Seminar	Year	International /National/State/ University / College	Funding Agency
1	"Plant Biotechnology and its relevance to food security"	23 rd August, 2008	National seminar organized by department of botany University of Calcutta in collaboration with Golpark Ramkrishna mission, at golpark Ramkrishna Mission.	UGC
2	"Genomic Research and Impact in Plant System"	21 March, 2011	National Symposium	Centre of Advanced Study, Department of Botany, University of Calcutta
3	"Plant Biotechnology- A New Gene Revolution"	8 September, 2011	Regional Seminar organised by Department of Botany, Ramakrishna Mission Vivekananda Centenary College, Kolkata	UGC
4	"Botanical resources and human welfare" Paper presented	November 18-19, 2011	National seminar held at Rishi Bamkimchandra College, Naihati	UGC
5	"Plant Diversity and Resources: Evolution, Analyses, Stress and Challenges and Palaeophytodiversity: Its Aspects and Prospects" Paper presented	20-22 December, 2011	National Symposium	Botanical Society of Bengal, the Department of Botany & Centre of Advanced Study, University of Calcutta
6	"Plant Diversity: Structure, Function, Utilization and Conservation"	4-6 th December 2014	National symposium organized by Botanical Society of Bengal and CAS, Department of Botany University of	UGC

	Paper presented		Calcutta	
7	"Advances in plant and microbial research" Paper presented	12-13 December, 2014	National symposium organized by DRS- Department of Botany, University of North Bengal	UGC and DST
8	"Corporate Frauds and Its Impact On Indian Business Environment"	17 March, 2015	State level Seminar organised by Bangabasi Morning College, Kolkata	UGC
9	"Environmental Impacts on Health: Towards a Better Future"	27-28 March, 2015	National Conference organised by Bangabasi Morning College in collaboration with Das Research Centre and Clinical Laboratory, Kolkata	UGC

Teacher Name: Sri. Sandeep Chakraborty

Papers Accepted: Nil

* Chapter in Books : Nil

* Books Edited : Nil

* Books with ISBN/ISSN numbers with details of publishers: Nil

A. Edited Books :

Sl. No. & Name	Title with page nos.	Type of Book	Publisher & ISSN / ISBN No.

B. Reference Books

Sl. No. & Name	Title with page nos.	Type of Book & Authorship	Publisher & ISSN / ISBN No.

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C. Seminar Attended & Participated

Sl. No.	Title of the Seminar	Year	International /National/State/ University / College	Funding Agency
1	"Trends in Plant Science Research"	15.02.2014	International Symposium organized in the Centenary Celebration	Department of Botany, University of Calcutta
2	"Cryptogams, the key contributors of Ecosystems"	07.12.2012	National Seminar	Prabir Chatterjee Research Foundation, Phycology lab., Dept. of Botany, CAS, University of Calcutta
3	"Toxicology and Aqua Resources" Paper presented	08.03.2015	National Seminar	Social Environmental and Biological Association (SEBA)

20. Areas of consultancy and income generated: N.A.

21. Faculty as members in: N.A.

Sl. No.	Faculty	Serving in (a) National Committees (b) International Committees (c) Editorial Board (d) any other

22. Student projects: Nil

23. Awards/Recognitions received by faculty and students: Nil

24. List of eminent academicians and scientists / visitors to the department: Nil

25. Seminars/ Conferences/Workshops organized & the source of funding:

Sl.No.	Seminar/Workshop	Date	Source of Funding
1.	Departmental Student Seminar	20 October, 2013	College Fund
2.	National Conference on "Environmental Impacts on Health: Towards a Better Future"	27-28 March, 2015	UGC

26. Students profile programme /course wise:

Name of the Course/programme	Intake Capacity	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
B.Sc. Honours 1 st year 2015-2016	60	127	60	32	28	-----
B.Sc. Honours 1 st year 2014-2015	60	301	38	23	15	17
B.Sc. Honours 1 st year 2013-2014	50	80	31	21	10	34
B.Sc. Honours 1 st year 2012-2013	35	85	42	20	22	34

*M = Male *F = Female

27. Diversity of Students:

Name of the Course	% of the students from the same state	% of the students from other states	% of the students from abroad

Social profile of the students

Name of the course	General	S.C.	S.T.	O.B.C.	Minority
Ist year Honours	47	8	0	5	?
Ist year General	70	11	1	8	?

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?: N.A.

29. Student progression:

Student progression	Against % enrolled
UG to PG	
PG to M. Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
Entrepreneurship/ Self-employment	

30. Details of infrastructural facilities

a) Library— Nil

b) Internet Facilities for Staffs and Students: Available to Staffs

c) Class rooms with ICT facility Available: Nil

31. Number of students receiving financial assistance from college, university, government or other agencies:

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: N.A.

33. Teaching methods adopted to improve student learning-

- **Power Point presentations**
- **Videos explaining different biological phenomenonns related to syllabus**
- **e-books**
- **Excursion to different phytogeographical regions**
- **Visit to medicinal gardens and botanical gardens for practical familiarization with plants of various taxas and medicinal importance**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

35. SWOC analysis of the department and Future plans:

Strength

1. Students are strength of the department
2. Devoted and qualified Teaching staff

Weakness

1. No exclusive laboratory
2. No exclusive classrooms
3. Students from economically poor family background
4. Student teacher ratio is very high

Opportunity

Challenges

1. Providing academic support to the financially weak students

Future Plans:

1. Fully equipped Laboratory

2. Exclusive Departmental Classrooms with ICT facilities

3. Departmental Seminar Library

***Annexure – I

Teacher Name: PAPIYA SAHA

LIST OF PUBLICATIONS :

1. **Saha P**, Chatterjee P & Biswas A K, NaCl pretreatment alleviates salt stress by enhancement of antioxidant defense system and osmolyte accumulation in mungbean (*Vigna radiata* L. Wilczek), ***Indian J. Exp. Biol.*, 48 (2010) 593-600.**
(ISSN: 0019-5189; I.F.:0.835; Cited by: 67)
2. **Saha P**, Kunda P & Biswas A K, Influence of sodium chloride on the regulation of Krebs cycle intermediates and respiratory enzymes in mungbean (*Vigna radiata* L. Wilczek) seedlings, ***Plant Physiol. & Biochem.*, 60 (2012) 214-222.**
(ISSN: 0981-9428; I.F.:3.33; Cited by: 6)
3. **Saha P**, Mukherjee A and Biswas AK, Modulation of NaCl induced DNA damage and oxidative stress in mungbean by pretreatment with sublethal dose, ***Biol. Plant.*, 59 (2015) 139-146.**
(ISSN: 0006-3134; I.F.:1.849)

Teacher Name: Dr. RADHARAMAN BAR

LIST OF PUBLICATIONS :

1. ENVIRONMENTAL IMPACTS ON HEALTH- Towards a Better Future. Edited by Sreejata Biswas, Mukul Kumar Mitra and **Radharaman Bar**. UGC Sponsored National Conference Proceedings (2015). Readers Service, 59/5A, Garfa Main Road, Kolkata 700075. (ISBN: 978-93-82623-51-1).
2. R N Mondal, **R Bar** and P P Chakrabarti. 2014. 'Pati be', *Schumannianthus dichotomus* (Roxb.) Gagnep. – A raw material for preparation of livelihood supporting handicrafts. ***Indian Journal of Natural Products and Resources*. Vol. 5(4):365-370.**

3. S. Biswas, BK Jana, **R Bar** and Sobhan Kr. Mukherjee. **2014**. Micro-morphology and anatomy of cypselas in some species of Asteraceae by LM and SEM. *International Journal of Pharmaceutical Research and Bio-Science*. Vol. **3(4):143-159**. [Impact Factor: 4.278]
4. M. Chakraborty, BK Jana, **R Bar** and Sobhan Kr. Mukherjee. **2014**. Taxonomical Significance of cypselar morpho-anatomical variations in some species of the Tribe Lactuceae (Asteraceae). *International Journal of Pharmaceutical Research and Bio-Science*. Vol. **3(4):117-133**. [Impact Factor: 4.278]
5. R N Mandal, **R Bar** & D N Chattopadhyay. 2014. Shola, *Aeschynomene aspera* L. used for making indigenous handicrafts revealing traditional art needs conservation. *Indian Journal of Traditional Knowledge*. Vol. **13 (1):103-110**.
6. R. N. Mondal and **R. Bar**. **2013**. The sacred Lotus – An incredible Wealth of Wetlands. *Resonance*. Aug:pp.732-737.
7. Bidyut Kr. Jana, **Radharaman Bar** and Sobhan Kr. Mukherjee. **2013**. Cypselar morphology and anatomy of five species of the tribe Inuleae-Asteraceae. *International Journal of Pharma and Bio Sciences*. **4(1): (B) 911-919**. [Impact Factor: 0.47]
8. Bidyut Kr. Jana, **Radharaman Bar** and Sobhan Kr. Mukherjee. **2012**. Cypselar morpho-anatomy help in the separation of taxa, when flowering stage is not available. *Journal of Biodiversity Photon*. Vol.**112:160-165**. [Impact index: 3.78]
9. Bidyut Kr. Jana, **Radharaman Bar** and Sobhan Kr. Mukherjee. **2012**. Carpological analysis of the species *Elephantopus carolinianus* RAEUSCH. of the tribe Moquinieae- Asteraceae. *Trends in Life Sciences*. Vol.**1(2):1-5**.
10. **Radharaman Bar**, Bidyut Kr. Jana, Sobhan Kr. Mukherjee. **2012**. Morphological study of cypselas in 3 species of the Tribe Vernonieae- Asteraceae. *International Journal of Pharmaceutical Research and Bio-Science*. Vol. **1(6):208-217**. [Impact Factor: 4.278 ; ISSN: 2277-8713]
11. Kumudranjan Naskar and **Radharaman Bar**. 2010. Management option for water logged/ excess water situation: Soil and water resource analysis in the coastal zones in saline stressed mangrove areas. In: Kumudranjan Naskar & Radharaman Bar (eds.), 2010. SUNDARBANS- ISSUES & THREATS. Published on the occasion of celebrating the birthday of Sir William Roxburgh- The Sundarbans Day Celebration. Central Inland Fisheries Research Institute, Barrackpore, 700120. pp.70-79.
12. Chapter 12: Compiled by- R.N. Mondal, **Radharaman Bar**, D.N. Chattopadhyay & A.K. Dutta. 2011. Assessment of Impact of Water Hyacinth (*Eichhomia crassipes*) on Ecology and Socio-economy. Pp.291-312. In: A.K.Roy (ed.), Evaluation and Impact Assessment of Technologies and Developmental Activities in Agriculture, Fisheries and Allied Fields, New India Publishing Agency, New Delhi. (ISBN: 978-93-80235-40-0).

13. SUNDARBANS: ISSUES & THREATS. Edited by Kumudranjan Naskar & **Radharaman Bar**. Published on the occasion of Celebrating the Birthday of Sir William Roxburgh. – The Sundarbans Day Celebration on 3rd June 2010. Published by: Central Inland Fisheries Research Institute, Barrackpore, 700120.

Teacher Name: Sri. SOURAV SENGUPTA

LIST OF PUBLICATIONS :

1. **Sengupta, S.** Medda, C. and Dewanji, A. (2010) The impact of duckweed growth on water quality in subtropical ponds. **Environmentalist 30: 353-360** (*Springer, Netherlands*). ISSN: 0251-1088. Cited by-05
2. Mukhopadhyay, G. **Sengupta, S.** and Dewanji, A. (2008) Changes in biomass and nutrient content of *Nymphoides hydrophylla* (Lour.) O. Kuntz. in a tropical pond: a comparison with other tropical and temperate species. **Aquatic Ecology 42(4): 597–605** (*Springer, Netherlands; JCR Impact factor = 1.105*). Cited by 02
3. Mukhopadhyay, G. **Sengupta, S.** and Dewanji, A. (2007) Aquatic flora in two Indian ponds near Kolkata, West Bengal: implications for conservation. **Bangladesh Journal of Plant Taxonomy 14(1): 13-24** (*Bangladesh Associations of Plant Taxonomists*). (Impact factor=0.696, ISSN: 1028-2092) Cited by 03
4. **Sengupta, S** and Bar, R (2015) A survey on herbaceous and shrubby vegetation of Lava and Loleygaon-Eastern Himalaya in view of species richness (in press)

Teacher Name: Smt. PARAMITA CHATTERJEE

LIST OF PUBLICATIONS :

1. Saha P, **Chatterjee P** & Biswas A K, NaCl pretreatment alleviates salt stress by enhancement of antioxidant defense system and osmolyte accumulation in mungbean (*Vigna radiata* L. Wilczek), **Indian J. Exp. Biol., 48 (2010) 593-600**. (ISSN: 0019-5189; I.F.:0.835; Cited by: 67)

Teacher Name: Sri. SANDEEP CHAKRABORTY

LIST OF PUBLICATIONS :

1. Rita Kundu, **Sandeep Chakraborty**, Debkumar Datta, Soumya Chatterjee, Impact of Cadmium stress on lowland rice plants and its scope of hazards, *Journal of Environment and Sociobiology*. **P13-13, Feb 2015** ISSN: 2454-2601

- 1. Name of the Department** Department of Chemistry
- 2. Year of Establishment** 1965 (General), 2013 (Honours)
- 3. Names of the 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** N.A
- 5. Annual / semester / choice based credit system (programme wise)** Annual
- 6. Participation of the department in the courses offered by other departments** N.A
- 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** 06 (Six) (permanent + Guest)

Table No. 1

No. Teaching Posts	Sanctioned posts	Filled posts
Professors	N.A.	N.A.
Associate Professors	—	—
Assistant Professor	03	03

- 10. Faculty Profile with name, qualification, designation, specialization (D.Sc. / D. Litt. / Ph.D. / M.Phil. etc.)**

Table No. 2

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for the last four years

DR. AMITAVA DUTTA	Ph.D	ASSISTANT PROFESSOR	INORGANIC CHEMISTRY	Above 13 yrs	-
DR. ATREYEE BASU	Ph.D	ASSISTANT PROFESSOR	ORGANIC CHEMISTRY	Above 13 yrs	-
DR. AMIT KUMAR DUTTA	Ph.D	ASSISTANT PROFESSOR	INORGANIC CHEMISTRY	~ 01 yr	-
SRI ANIRUDDHA PAL		GLI		~ 28 yrs	-

11. List of senior visiting faculty: DR. AMULYA KUMAR SAMANTA

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Table No. 3

Name of the Temporary Faculty	Academic Session taught	Programme	Total No. of Classes per week	No. of Classes taken per Week	% of Lectures delivered
DR. AMULYA KUMAR SAMANTA	2013-14 2014-15 2015-16	B.Sc (H) B.Sc (G)	~ 08	~ 08	08%
DR. SUDIPTO PATHAK	2014-15 2015-16	B.Sc (H) B.Sc (G)	~ 10	~ 10	11%
ANANDA GOPAL SARAKR	2014-15 2015-16	B.Sc (H) B.Sc (G)	~ 10	~ 10	11%

13. Student-Teacher Ratio (Programme Wise):

Table No. 4

Session	No. of Students (Honours)	No. of Students (Pass)	No. of Teachers	Student-Teacher Ratio	
2015-2016 1 ST yr	34	277	06	52	1

2015-2016 2 ND yr	02	125	06	21	1
2015-2016 3 RD yr	05	26	06	5	1

14. Number of Academic Support Staff (technical) and administrative staff;

Sanctioned and filled:

Table No. 5

Post	Sanctioned	Filled
Academic Support Staff	04	04
Administrative Staff	01	01

15. Qualifications of teaching faculty with D.Sc. / D. Litt. / Ph.D. / M. Phil. / PG

Table No. 6

Highest Qualification	No. of Teaching Faculty (Existing)
DSC/ D.Litt.	0
Ph.D.	05
M. Phil.	—
P.G.	06

16. Number of Faculty with ongoing Projects from a) National b) International funding agencies and grants received

Table No. 7

Name of the Principal Investigator	Title of the Project	Funding Agency	Period	Total Grant	Affiliation
-	-	-	-	-	-

DR. AMITAVA DUTTA	Synthesis and characterization of first row transition metal (Mn, Cu) complex with N, O, S donor ligands to mimic the active sites of metalloenzyme	UGC	2006-2008	90,000/-	-
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17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: N.A

18. Research Centre /facility recognized by the University: N.A

19. Publications:

a) Publications per faculty

Publications	2008	2009	2010	2011	2012	2013	2014	2015	Total
Total Year wise publications of the Dept. without ISBN/ISSN	0	0	0	0	0	0	0	0	0
No. of papers published in peer reviewed journals by faculty & students	2	0	0	0	5	3	3	4	17
No. of publications published in International Database	-	-	-	-	-	-	-	-	-

Monographs	-	-	-	-	-	-	-	-	-
Chapter in books	-	-	-	-	-	-	-	-	-
Books Edited	-	-	-	-	-	-	-	-	-
Books with ISBN/ISSN	-	-	-	-	-	-	-	-	-
Citation Index	-	-	-	-	-	-	-	-	-
SINP	-	-	-	-	-	-	-	-	-
Impact factor	-	-	-	-	-	-	-	-	-
h-index	-	-	-	-	-	-	-	-	-

***** For Full List of publications of the Faculty, See Annexure-1**

* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) -

* Monographs : 0

* Publications : 0

Papers Published (2007-2015) See Annexure 1

Teacher Name: DR. AMITAVA DUTTA Annexure 1a
 DR. ATREYEE BASU Annexure 1b
 DR. AMIT KUMAR DUTTA Annexure 1c

* Chapter in Books : 0

* Books Edited : 0

* Books with ISBN/ISSN numbers with details of publishers: 0

A. Edited Books:

Sl. No. & Name	Title with page nos.	Type of Book	Publisher & ISSN / ISBN No.
-	-	-	-

B. Reference Books:

Sl. No. & Name	Title with page nos.	Type of Book & Authorship	Publisher & ISSN / ISBN No.
-	-	-	-

C. Seminar Attended & Participated (Also See Annexure 2)

Sl. No.	Title of the Seminar	Year	International /National/State/ University / College	Funding Agency
1	Asian Symposium on Biological inorganic Chemistry – ASBIC-IV	2008	Jeju, South Korea	-
2	14 th International conference on Biological Inorganic Chemistry – ICBIC- XIV	2009	Nagoya, Japan	-
3	Asian Symposium on Biological inorganic Chemistry – ASBIC-V	2010	Kaoshiung, Taiwan,	-
4	VIII th International Symposium for Chinese Inorganic Chemists	2010	National Taiwan University, Taipei	-
5	Autonomy of Educational Institutions : Legacy of Heritage and the Present Times	2015	WBCUTA, Kolkata	-
6	Mathematics and its Impact on Natural Sciences	2015	Bangabasi Morning College, Kolkata	UGC
7	Environmental Impacts on Health : Towards a Better	2015	Bangabasi Morning College, Kolkata	UGC

	Future			
8	National Symposium on Organic Chemistry, Modern trends and Perspectives-IV	2011	Jadavpur University, Kolkata	
9	Mathematics and Computer Science- An Interface	2009	Bangabasi Morning College, Kolkata	UGC
10	Green Chemistry :Its Implication in UG Curriculum and in Industry	2011	New Alipore College, Kolkata	-
11	Advances in chemical research, CRSI (Kolkata chapter)	2010	Bengal Engineering and Science University, Shibpur, Howrah	-
12	Facets of weak interaction in Chemistry	2011	University of Calcutta, Kolkata	C.U
13	13th CRSI National Symposium in Chemistry	2011	NISER and KIIT university, Bhubaneswar, India	-
14	MTIC–XIV symposium	2011	University of Hyderabad, India	-
15	19th West Bengal state science and technology congress 2012	2012	Saha institute of nuclear physics (SINP), Kolkata, India	GOVT. of West Bengal
16	Molecular Organization and Complexity: A Chemical Perspective	2013	University of Calcutta, Kolkata	C.U
17	20th West Bengal state science and technology congress 2013	2013	Bengal Engineering and Science University, Shibpur, Howrah	GOVT. of West Bengal
18	MTIC–XVI symposium	2015	Jadavpur University, Kolkata	JU
19	Cyber Crime	2015	Bangabasi Morning College, Kolkata	UGC

20	Mathematics and its Impact on Natural Sciences	2015	Bangabasi Morning College, Kolkata	UGC
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20. Areas of consultancy and income generated: N.A

21. Faculty as members in N.A

Sl. No.	Faculty	Serving in (a) National Committees (b) International Committees (c) Editorial Board (d) any other
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

22. Student projects: N.A

23. Awards/Recognitions received by faculty and students:

- One of us (Dr. Amitava Dutta) is the recipient of National Scholarship for securing high rank (96th) in Madhyamik Examination (Xth level), 1982.
- One of our faculty members, Dr. Amitava Dutta, has awarded as Post-Doctoral Fellow (1998-2002) funded by National Science Council, Tiwan as well as Visiting Fellow (2008-2011) at Institute of Chemistry, Academia Sinica, Tiwan.

24. List of eminent academicians and scientists / visitors to the department N.A

-	-
-	-
-	-
-	-

25. Seminars/ Conferences/Workshops organized & the source of funding: N.A

Sl.No.	Seminar/Workshop	Date	Source of Funding
-	-	-	-
-	-	-	-

26. Students profile programme /course wise:

Name of the Course/programme	Intake Capacity	Applications received	Selected Admitted	Enrolled		Pass percentage
				*M	*F	
Chemistry (H) 2015-2016	50	94	37	08	29	-----
Chemistry (H) 2014-2015	30	102	44	27	17	15_
-	-	-	-	-	-	-
-	-	-	-	-	-	-

*M = Male *F = Female

27. Diversity of Students:

Name of the Course	% of the students from the same state	% of the students from other states	% of the students from abroad
-	-	-	-
-	-	-	-

Social profile of the students

Name of the course	General	S.C.	S.T.	O.B.C.	Minority
Chemistry (H)	31	2	0	4	-
BSc Bio (G)	31	4	-	2	-
Bsc Pure (G)	31	0	0	2	-

28. **How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?:** NA

29. **Student progression:**

Student progression	Against % enrolled
UG to PG	-
PG to M. Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	-
Entrepreneurship/ Self-employment	-

30. **Details of infrastructural facilities**

a) **Library**— Chemistry (H) Library Chemistry (G) Library

b) **Internet Facilities for Staffs and Students:** Yes

c) **Class rooms with ICT facility Available:** NiL

31. **Number of students receiving financial assistance from college, university, government or other agencies:**

NiL

32. **Details on student enrichment programmes (special lectures / workshops /**

seminar) with external experts:

NiL

33. Teaching methods adopted to improve student learning- Quiz contest on the subject, question-answer session during teaching, Power-point Presentation.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

NIL

35. SWOC analysis of the department and Future plans: NIL

Strength

1. Department of Chemistry possesses highly qualified, energetic and motivated faculty members.
2. All the faculty members are student-friendly and conscious about their duties.
3. One of our faculty member, Dr. Amitava Dutta spent 4 years from 1998-2002 as Post-Doctoral fellow funded by National Science Council, Tiwan.
4. Dr. Dutta also spent 3 years from 2008-2011 as Visiting Fellow at Institute of Chemistry, Academia Sinica, Tiwan and has collaborative work with eminent scientists of the institute.
5. Dr. Amit Kumar Dutta, a young faculty member is very interested in research work and has already been applied for a minor research project to UGC just after joining which is expected to be approved by UGC.
6. If the project is approved some research programme will be initiated and some modern instruments will be purchased.
7. All the faculty members have some knowledge in their respective area of specialization as well as in computer subject.
8. Most of the non-teaching stuffs (Laboratory attendants and store keepers) are very sincere and co-operative.
9. Chemistry department runs a Library for Honours students.

Weakness

1. Shortage of teaching staff is one of the major weaknesses. To run a laboratory-based subject with honours course we need 4 permanent additional teaching staffs.
2. Another serious problem is the space problem. We cannot accomplish extra theory class as well as laboratory class in our Department.
3. Insufficient fund sometimes resists the pace of development of our departmental activities.
4. Our Central Library can not buy journals of national & international repute due to paucity of fund.
5. Inadequate number of computers for the use of students.

Opportunity

Increase the seat of Chemistry (H)

Challenges

To start Research Project

Future Plans:

To start Post-Graduate Programme and some Inter-disciplinary Programme

***Annexure - 1a

Teacher Name: DR. AMITAVA DUTTA

LIST OF PUBLICATIONS :

1. D-A-p-A organic dyes for dye-sensitized solar cells: effect of π -bridge length between two acceptors of photovoltaic Properties.

S. B. Mane ,C-F. Cheng,A. A. Sutanto , A. Datta , **A. Dutta** , C. Hung (2015 accepted, in press **Tetrahedron Lett.**)

2. A tridentate in situ generated ligand that directs the self-assembly of a transitionmetal complex: Synthesis and structural characterization of cis-dichloro[1-(2-aminoethyl) biguanide]copper(II) monohydrate.

B. Dey, S. Raychoudhury, S. Das, A. D. Jana, L-P Lu, M-L Zhu, **A. Dutta** and S. Mukhopadhyay **Polyhedron (2008) 2899.**

3. pH-triggerred changes in the supramolecular self-assembly of Cu(II) malonate complexes
S. Raychoudhury, A. D. Jana, C-Y Chen, **A. Dutta**, E. Colacio, H. M. Lee, G. Mostafa and S. Mukhopadhyay. **Cryst.Eng.Comm.** **10** (2008) 1358.

*****Annexure - 1b**

Teacher Name: DR. ATREYEE BASU

LIST OF PUBLICATIONS :

1. Synthesis of Glycosides of D-Quinvosamine & D-Fucosamine
Abhijit Roy, Asim K Ray, **Atreyee Mukherjee** & Nirmolendu Roy*, **Indian Journal of Chemistry, Vol- 26B, December1987, pp1165-1167.**
2. Synthesis of 2,6-Di-O-methyl-alpha-D-glucofuranoside
Atreyee Mukherjee & Nirmolendu Roy*, **Indian Journal of Chemistry, Vol-27B, November 1988,pp1037-1038.**
3. Revised Structure of the Capsular Pollysaccharide of Klebsiella Serotype 15
Atreyee Mukherjee & Nirmolendu Roy*, **Systematic And Applied Microbiology 15, 505-512 (1992).**
4. Immunochemical Studies on Klebsiella Serotype 73 Immune System
Atreyee Mukherjee & Nirmolendu Roy*, **Biochemical Archives Vol-8, pp-115-120, 1992.**
5. Synthesis of methyl 3-o-[3-o-(alpha-D-galactopyranosyl)-alpha-rhamnopyranosyl]-alpha-L-rhamnopyranoside, a trisaccharide related to the Klebsiella type 9 antigen
Atreyee Mukherjee & Nirmolendu Roy*, **Indian Journal of Chemistry, Vol33B, August 1994,pp 726-728.**

*****Annexure - 1c**

Teacher Name: DR. AMIT KUMAR DUTTA

LIST OF PUBLICATIONS :

1. Structure, luminescence and antimicrobial properties of mononuclear silver(I) complexes of pyridine 2-carboxamide
S. Joardar, S. Roy, S. Samanta, **A. K. Dutta**, *J. Chem. Sci.* **127** (2015) 1819–1826.
2. Supramolecular interactions in mononuclear iron(III) complex derived from a diamide ligand: Spectroscopic and electrochemical properties
S. Samanta, **A. K. Dutta**, P. Biswas, *Indian J Chem.* **54A** (2015) 478–483.
3. Enhanced photocatalytic activity of Eu-doped Bi₂S₃ nanoflowers for degradation of organic pollutants under visible light illumination
A. Sarkar, A. B. Ghosh, N. Saha, **A. K. Dutta**, D. N. Srivastava, P. Paul, B. Adhikary, *Catal. Sci. Technol.* **5** (2015) 4055–4063.
4. Non-enzymatic amperometric sensing of hydrogen peroxide at a CuS modified electrode and its application to human urine sample.
A. K. Dutta, S. Das, P. K. Samanta, S. Roy, B. Adhikary, P. Biswas, *Electrochimica Acta* **144** (2014) 282–287.
5. Single source precursor approach to the synthesis of Bi₂S₃ nanoparticles: A new amperometric hydrogen peroxide biosensor.
A. K. Dutta, S. K. Maji, K. Mitra, A. Sarkar, N. Saha, A. B. Ghosh, B. Adhikary. *Sens. Actuat. B Chem.* **192** (2014) 578– 585.
6. γ -Fe₂O₃ nanoparticles: An easily recoverable effective photo-catalyst for the degradation of rose bengal and methylene blue dyes in the waste-water treatment plant.
A. K. Dutta, S. K. Maji, B. Adhikary, *Mat. Res. Bull.* **49** (2014) 28–34.
7. CuS nanoparticles as a mimic peroxidase for colorimetric estimation of human blood glucose level.
A. K. Dutta, S. Das, S. Samanta, P. K. Samanta, B. Adhikary, P. Biswas, *Talanta* **107** (2013) 361–367.

8. New peroxidase–substrate 3,5–di–tert–butylcatechol for colorimetric determination of blood glucose in presence of prussian blue–modified iron oxide nanoparticles.
A. K. Dutta, S. K. Maji, P. Biswas, B. Adhikary, *Sens. Actuat. B Chem.* **177** (2013) 676–683.
9. Visible–light–driven synthesis of 2–substituted benzothiazoles using CdS nanosphere as heterogenous recyclable catalyst
S. Das, S. Samanta, S. K. Maji, P. K Samanta, **A. K. Dutta**, D. N. Srivastava, B. Adhikary, P. Biswas, *Tetrahedron Lett.* **54** (2013) 1090-1096
10. Synthesis of FeS and FeSe nanoparticles from a single source precursor: a study of their photocatalytic activity, peroxidase–like behavior, and electrochemical sensing of H₂O₂.
A. K. Dutta, S.K. Maji, D.N. Srivastava, A. Mondal, P. Biswas, P. Paul, B. Adhikary, *ACS App. Mater. Interfaces* **4** (2012) 1919–1927.
11. Iron selenide thin film: Peroxidase-like behavior, glucose detection and amperometric sensing of hydrogen peroxide.
A. K. Dutta, S.K. Maji, D.N. Srivastava, A. Mondal, B. Karmakar, P. Biswas, B. Adhikary. *Sens. Actuat. B Chem.* **173** (2012) 724– 731.
12. Peroxidase–like activity and amperometric sensing of hydrogen peroxide by Fe₂O₃ and prussian blue–modified Fe₂O₃ nanoparticles.
A. K. Dutta, S. K. Maji, D. N. Srivastava, A. Mondal, P. Biswas, P. Paul, B. Adhikary, *J. Mol. Cat. A: Chem.* **360** (2012) 71–77.
13. Syntheses, crystal structure, spectroscopic, redox and magnetic properties of oxo- and carboxylato-bridged polynuclear iron(III) complexes with phenolate and pyridine-substituted benzimidazole ligands.
A. K. Dutta, S. K. Maji, S. Dutta, C. R. Lucas, B. Adhikary, *Polyhedron* **44** (2012) 34–43.
14. A symmetric oxo–centered trinuclear chloroacetato bridged iron(III) complex: structural, spectroscopic and electrochemical studies.
A. K. Dutta, S. K. Maji, S. Dutta, *J. Mol. Struct.* **1027** (2012) 87–91.

Teacher Name: DR. AMITAVA DUTTA

Seminar Attended & Participated:

NATIONAL LEVEL

- (1) "**National Seminar on Solution Chemistry**" at Utkal University, Bhubaneswar, 1997—
Presentation of the paper "Oxidation of Nitrite ion by a nickel(IV) Oxime-Imine complex".

INTERNATIONAL LEVEL

- (2) **IIIrd Taiwan Biological Inorganic Chemistry conference** --- Hsinchu, Taiwan, 2002 ---
presentation of poster "Reversible Oxygen binding to sulfur in Nitrosylated Iron Thiolate complex"
- (3) **Asian Symposium on Biological inorganic Chemistry – ASBIC-IV** at Jeju, South Korea, 2008- presentation of poster "Nitrite Reduction and Nitrosylation of Iron N-confused Porphyrin complex: Structural and spectroscopic studies"
- (4) **14th International conference on Biological Inorganic Chemistry – ICBIC- XIV** at Nagoya, Japan, 2009 – presentation of poster "Modelling NO- Transfer Reaction between DNIC and Heme Iron center".
- (5) **Asian Symposium on Biological inorganic Chemistry – ASBIC-V** at Kaoshiung, Taiwan, 2010 ---presentation of poster "Model for nitrite and nitric oxide recycling- Nitrite reduction and trans nitrosation from O-boun nitrite containing DNIC to Iron N-confused Porphyrin"
- (6) **VIIIth International Symposium for Chinese Inorganic Chemists** – at National Taiwan University, Taipei, 2010-presentation of poster "Nitrite Reduction and NO transfer from nitrito coordinated DNIC to Iron Porphyrin center using Iron N-confused porphyrin as model compound"

1. Name of the Department: COMMERCE

**2. Year of Establishment: Commerce General course started in the year 1965,
Commerce Honours course started in the year 1994.**

**3. Names of the Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D. etc.) : UG- University of Calcutta
PG- Vidyasagar University (Distance)**

4. Names of Interdisciplinary courses and the departments / units involved

NIL

5. Annual / semester / choice based credit system (programme wise)

Annual

6. Participation of the department in the courses offered by other departments

NIL

7. Courses in collaboration with other Universities, industries, foreign institutions etc.

NIL

8. Details of courses / programmes discontinued (if any) with reasons: No

9. Number of Teaching Posts: 5

Table No. 1

No. Teaching Posts	Sanctioned posts	Filled posts
Professors	N.A.	N.A.
Associate Professors	01	01
Assistant Professor	03	03
Part Time Teacher	01	01
College Full time Teacher	01	01
Guest Lecturer	02	02

10. Faculty Profile with name, qualification, designation, specialization (D.Sc. / D. Litt / Ph.D. / M.Phil. etc.)

Table No. 2

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for the last four years
Smt. Shipra Halder	M.Com.	Associate Professor	Accounting and Finance	32 Years 11 Months	-----
Smt. Haimanti Chakrabarty	M.Com., M.Phil	Assistant Professor	Accounting and Finance		-----
Smt. Moumita Sarkar (Samanta)	M.Com., M.Phil	Assistant Professor	Accounting and Finance	07 Years 06 Months	-----
Smt. Priyanka Saha	M.Com., M.Phil	Assistant Professor	Accounting and Finance	05 Years 06 Months	-----
Sri Subhabrata Dinda	M.C.A., M.Tech.	Part time teacher	Image processing	10 Years 11 Months	

Sri Biswajit Sarkar	M.Com., L.L.B.	College Full Time	Accounting and Finance	02 Years 06 Months	
Smt. Camelia Sarkar	M.Com.	Guest Lecturer	Accounting	01 Year 06 Months	
Sri Aditya Das	M.Com.	Guest Lecturer	Accounting	05 Months	

11. List of senior visiting faculty: N.A.

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Table No. 3

Name of the Temporary Faculty	Academic Session taught	Programme	Total No. of Classes per week	No. of Classes taken per Week	% of Lectures delivered
Smt. Camelia Sarkar	2014-15, 2015-16	B.Com Part I (Hons.+Gen.)	84	07	8
Smt. Camelia Sarkar	2014-15, 2015-16	B.Com Part II (Hons.)	34	02	6
Smt. Camelia Sarkar	2014-15, 2015-16	B.Com Part III (Hons.)	26	01	4
Sri Aditya Das	2015-16	B.Com Part I (Hons.+Gen.)	84	07	8
Sri Aditya Das	2015-16	B.Com Part II (Gen.)	34	02	6
Sri Aditya Das	2015-16	B.Com Part III (Gen.)	25	01	4

PG- Not yet received as the course started in the Academic Session 2014-15

13. Student-Teacher Ratio (Programme Wise):

Table No. 4

Session/Class	No. of Students Honours	No. of Students General	No. of Teachers	Student-Teacher Ratio	
				Hons .	Gen.
2015-16/B.Com. Part I	318	194	07	45:1	28:1
2015-16/ B.Com. . Part II	127	312	07	18:1	45:1
2015-16/ B.Com. Part III	127	152	07	18:1	22:1
2014-15/B.Com. Part I	231	595	07	33:1	85:1
2014-15/ B.Com. . Part II	143	296	07	20:1	42:1
2014-15/ B.Com. Part III	100	196	07	14:1	28:1
2013-14/B.Com. Part I	226	576	06	38:1	96:1
2013-14/ B.Com. . Part II	141	303	06	24:1	51:1
2013-14/ B.Com. Part III	105	351	06	18:1	59:1
2012-13/B.Com. Part I	149	508	06	25:1	85:1
2012-13/ B.Com. . Part II	237	426	06	40:1	71:1
2012-13/ B.Com. Part III	59	132	06	10:1	22:1
2011-12/B.Com. Part I	195	519	06	33:1	87:1
2011-12/ B.Com. . Part II	149	469	06	25:1	78:1
2011-12/ B.Com. Part III	81	65	06	14:1	11:1

14. Number of Academic Support Staff (technical) and administrative staff; sanctioned and filled : NIL

Table No. 5

Post	Sanctioned	Filled
Academic Support Staff		
Administrative Staff		

15. Qualifications of teaching faculty with D.Sc. / D. Litt. / Ph.D. / M. Phil. / PG

Table No. 6

Highest Qualification	No. of Teaching Faculty (Existing)
DSC/ D.Litt.	NIL
Ph.D.	
M. Phil.	03
P.G.	05

16. Number of Faculty with ongoing Projects from a) National b) International funding agencies and grants received

Table No. 7

Name of the Principal Investigator	Title of the Project	Funding Agency	Period	Total Grant	Affiliation
NIL	NIL	NIL	NIL	NIL	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: N.A.

19. Publications:

a) Publications per faculty

Publications	2008	2009	2010	2011	2012	2013	2014	2015	Total
Total Year wise publications of the Dept. without ISBN/ISSN									
No. of papers published in peer reviewed journals by faculty & students				01			02		03
No. of publications published in International Database									
Monographs									
Chapter in books							01		01
Books Edited							01		01
Books with ISBN/ISSN									
Citation Index									
SINP									
Impact factor									
h-index									

*** For Full List of publications of the Faculty, See Annexure-1

* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) -

* Monographs :

* Publications :

Papers Published (2007-2015)

Teacher Name:

Smt. Moumita Sarkar (Samanta):

- 1. Growth of Accommodation Activity in the Hospitality Industry of Today**, published in "Pursuits", Academic Journal, 2014, Vol. III, ISSN:2322-0643
- 2. Tourism Destination Marketing: An Overview**, in Ed, S Ahuja, R. Vinayak, J. Rana, V. Bhandari and G. Gumber, Marketing: Concepts to Applications, Bloomsbury India, New Delhi, 2014(ISBN 978-93-84052-33-1)
- 3. "Capital Budgeting: Investment Decision tool in Business World"**, published in "Nava Gavesana", An International Research Journal, July-Dec. 2011, Vol. 2, No. 3 & 4, ISSN: 0976-9455

Papers Accepted and Presented:

Sl. No.	Title of the Paper	Name of Faculty	Year	International /National/State / University / College	Funding Agency
1.	Tourism Destination Marketing: An Overview	Smt. Moumita Sarkar (Samanta)	September 12, 2014	International	ICSSR
2.	Application of Statistical tools to improve service quality in tourism industry	Smt. Moumita Sarkar (Samanta)	October 06, 2015	National	U.G.C.
3.	Corporate Social Responsibility Reporting: A case study on chemical industry	Smt. Priyanka Saha	February 03-04, 2012	National	U.G.C.
4.	Corporate Social Responsibility through Empowerment- "The Case of Educational	Smt. Priyanka Saha	March 12, 2015	National	U.G.C.

Institution's in India"					
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* Chapter in Books :

Smt. Moumita Sarkar (Samanta):

- **Tourism in India: Prospects and Problems**, in Ed, S.C. Singh, S. Abraham and S. Gupta, Travel, Tourism and Hospitality: Emerging Perspective and Paradigm, Globus Press, Delhi, 2014, (ISBN 978-93-82484-96-7)

* Books Edited :

Smt. Moumita Sarkar (Samanta):

- **"Corporate Frauds and its Impacts on Indian Business Environment"**, Readers Service, Kolkata, 2015, ISBN 978-93-82623-61-8.

* Books
 s with ISBN/ISSN numbers with details of publishers:

A. Edited Books :

Sl. No. & Name	Title with page nos.	Type of Book	Publisher & ISSN / ISBN No.
Smt. Moumita Sarkar(Samanta), Dr. Ronita Roy and Sri. Arup Debnath	Corporate Frauds and its Impacts on Indian Business Environment (Page nos. 230)	Seminar Proceedings	ISBN – 978-93-82623-61-8 Year – 2015

B. Reference Books : Nil

C. Seminar Attended & Participated

Sl. No.	Title of the Seminar	Name of Faculty	Year	International /National/State/ University / College	Funding Agency
1.	Mathematics and its impact on Natural Sciences	Smt. Shipra Halder	September 11-12, 2105	National	U.G.C.
2.	Environmental Impacts on Health: Towards a Better Future	Smt. Shipra Halder	March 27-28, 2015	National	U.G.C.
3.	Corporate Fraud and its Impacts on Indian Business Environment	Smt. Shipra Halder	March 17, 2015	State Level	U.G.C.
4.	Education Industry linkage- focus on business education	Smt. Shipra Halder	April 17, 2010	State	U.G.C.
5.	Mutual Funds, Retail Investors and SEBI	Smt. Shipra Halder	March 16-17, 2012	National	U.G.C.
6.	Transition to IFRS: Indian Scenario	Smt. Shipra Halder	April 02, 2011	National	Indian accounting Association
7.	Mathematics and Computer Science- an Interface	Smt. Shipra Halder	March 14, 2009	State	U.G.C.
8.	Fostering Sustainability through Skill and Entrepreneurship Development	Smt. Moumita Sarkar (Samanta)	October 10, 2015	National	The Institute of Cost Accountants of India, National Skill Development Agency, Department of Commerce and Commerce Alumni

					Association, University of Calcutta
9.	Application of Statistical Tools in Research and Data Analysis	Smt. Moumita Sarkar (Samanta)	October 05- 06, 2015	National	U.G.C.
10.	Mathematics and its impact on Natural Sciences	Smt. Moumita Sarkar (Samanta)	September 11-12, 2105	National	U.G.C.
11.	Environmental Impacts on Health: Towards a Better Future	Smt. Moumita Sarkar (Samanta)	March 27- 28, 2015	National	U.G.C.
12.	Context and Culture in our Language Classrooms	Smt. Moumita Sarkar (Samanta)	February 9, 2015	International	Bangabasi Morning College & American Centre
13.	Corporate Fraud and its Impacts on Indian Business Environment	Smt. Moumita Sarkar (Samanta)	March 17, 2015	State Level	U.G.C.
14.	Relationship of Marketing with Business Growth in Context of SMEs	Smt. Moumita Sarkar (Samanta)	September 12-13,2014	International	ICSSR
15.	Economic Liberalization and capital Market Development: Indian Perspective.	Smt. Moumita Sarkar (Samanta)	December 28, 2013	International	University of Calcutta – Calcutta Stock Exchange Centre of Excellence in Financial Market (CUCSE- CEFM)
16.	Financial Reporting: Changing Paradigm	Smt. Moumita Sarkar (Samanta)	February 03-04, 2012	National	U.G.C.
17.	E-commerce in today's fast	Smt.	November	State Level	U.G.C.

	changing information technology ecosystem	Moumita Sarkar (Samanta)	27, 2012		
18.	Seminar on Corporate Fraud	Smt. Moumita Sarkar (Samanta)	September 29, 2012	State Level	Commerce Alumni Association, University of Calcutta
19.	Contemporary environmental issues :A critical appraisal	Smt. Moumita Sarkar (Samanta)	March 23, 2012	State Level	U.G.C.
20.	Search for a holistic combination of agriculture, Industry and education	Smt. Moumita Sarkar (Samanta)	December 08, 2011	International	Department of Commerce of St. Xavier's College and Netaji Nagar College
21.	IFRS-A step towards globalization of Indian accounting standard	Smt. Moumita Sarkar (Samanta)	December 02-03, 2011	National	U.G.C.
22.	Direct tax code	Smt. Moumita Sarkar (Samanta)	September 25, 2010	State	Commerce Alumni Association, University of Calcutta
23.	Global financial crises:2008 issues and challenges	Smt. Moumita Sarkar (Samanta)	August 12-13, 2010	National	U.G.C.
24.	Education Industry linkage-focus on business education	Smt. Moumita Sarkar (Samanta)	April 17, 2010	State	U.G.C.
25.	Sustainability and growth strategy in economic downturn	Smt. Moumita Sarkar (Samanta)	January 30, 2010	International	Netaji Nagar College
26.	Contemporary	Smt.	March 29,	International	UGC- DRS

	issues in environmental management	Moumita Sarkar (Samanta)	2009		PHASE-III
27.	Mathematics and Computer Science-An Interface	Smt. Moumita Sarkar (Samanta)	March 14, 2009	State	U.G.C.
28.	Corporate social responsibility and Indian business environment	Smt. Moumita Sarkar (Samanta)	November 11, 2008	State	U.G.C.
29.	Context and culture in our language classroom	Smt. Priyanka Saha	February 9, 2015	International	Bangabasi Morning College & American Centre
30.	Re-imaging India: Challenge and Opportunities in Finance Management and policy making	Smt. Priyanka Saha	September 19-20, 2104	National	U.G.C.
31.	E-Commerce in today's fast changing information technology ecosystem	Smt. Priyanka Saha	November 27, 2012	State	U.G.C.
32.	Contemporary Environmental Issues :A Critical Appiasal	Smt. Priyanka Saha	March 23, 2012	State	U.G.C.
33.	Question Pattern and project guidelines of B.Com PartIII (2010 syllabi),University of Calcutta	Smt. Priyanka Saha	August 04, 2012	State	University of Calcutta
34.	Environmental Impacts on	Sri. Biswajit	March 27-28, 2015	National	U.G.C.

	Health: Towards a Better Future	Sarkar			
35.	Corporate Fraud and its Impacts on Indian Business Environment	Sri. Biswajit Sarkar	March 17, 2015	State Level	U.G.C.
36.	Cyber Crime	Sri. Biswajit Sarkar	2015	Institution Level	IQAC, BMC
37.	Mathematics and its impact on Natural Sciences	Sri. Subhabrata Dinda	September 11-12, 2105	National	U.G.C.
38.	Environmental Impacts on Health: Towards a Better Future	Sri. Subhabrata Dinda	March 27-28, 2015	National	U.G.C.
39.	Corporate Fraud and its Impacts on Indian Business Environment	Sri. Subhabrata Dinda	March 17, 2015	State Level	U.G.C.
40.	Corporate Fraud and its Impacts on Indian Business Environment	Smt. Camelia Sarkar	March 17, 2015	State Level	U.G.C.

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

Sl. No.	Faculty	Serving in(a)National Committees (b) International Committees (c) Editorial Board (d) any other
	Smt. Shipra Halder	Life member of Indian Accounting Association

22. Student projects:

3rd year Honours Project and Viva-Voce are conducted by all the teachers

2nd Year Honours and General IT Project is conducted by Sri. Subhabrata Dinda

23. Awards/Recognitions received by faculty and students: Nil

24. List of eminent academicians and scientists / visitors to the department

1.	Prof. Swagata Sen Professor, Department of Commerce and Dean of Faculty Councils for Post Graduate Studies in Commerce, Social Welfare & Business Management
2.	Prof. Malayendu Saha Professor, Department of Commerce, University of Calcutta and Vice Chairman of West Bengal State Council of Higher Education
3.	Prof. Dhruva Ranjan Dandapat Professor, Department of Commerce, University of Calcutta and Chairman, U.G. board of studies in Commerce, University of Calcutta
4.	Mr. Saubhik Sarkar Manager, Deloitte Haskins & Sells
5.	Dr. Ram Prahalad Chaudhary Assistant Professor, Department of Commerce University of Calcutta
6.	Dr. Ananda Mohan Pal Professor, Department of Business Management University of Calcutta
7.	Dr. Subhanil Chowdhury Assistant Professor, Department of Economics Institute of Development Studies Kolkata (IDSK)
8.	Dr. Tamal Taru Roy-Associate Professor of Naba Ballyguange Mahavidyalaya
9.	S.Sreejesh, Section Officer, ICSI EIRO, Kolkata

25. Seminars/ Conferences/Workshops organized & the source of funding: NIL

Sl.No.	Seminar/Workshop	Date	Source of Funding
1.	UGC Sponsored State Level Seminar on Corporate Frauds and its Impacts on Indian Business Environment	March 17, 2015	U.G.C.

26. Students profile programme /course wise:

Session	Name of the Course/programme	Intake Capacity	Applications received	Selected	Enrolled		Pass percentage
					*M	*F	
2015-16	B. Com Part I (Honours)	300	460	318	224	94	
2015-16	B.Com Part I (General)	400	294	191	122	69	
2015-16	B.Com Part II (Honours)			127	92	35	
2015-16	B.Com Part II (General)			312	262	50	
2015-16	B.Com Part III (Honours)			127	96	31	
2015-16	B.Com Part III (General)			152	140	12	
2014-15	B. Com Part I (Honours)	300	601	231	169	62	
2014-15	B.Com Part I (General)	400	525	595	517	78	
2014-15	B.Com Part II (Honours)			143	117	26	
2014-15	B.Com Part II (General)			296	255	41	
2014-15	B.Com Part III (Honours)			100	89	11	

2014-15	B.Com Part III (General)			196	182	14	
2013-14	B. Com Part I (Honours)	300	400	226	164	62	
2013-14	B.Com Part I (General)	400	750	576	499	77	
2013-14	B.Com Part II (Honours)			141	112	29	
2013-14	B.Com Part II (General)			303	258	45	
2013-14	B.Com Part III (Honours)			105	93	12	
2013-14	B.Com Part III (General)			351	337	14	
2012-13	B. Com Part I (Honours)	145	320	149	108	41	
2012-13	B.Com Part I (General)	250	675	508	437	71	
2012-13	B.Com Part II (Honours)			237	189	48	
2012-13	B.Com Part II (General)			426	341	85	
2012-13	B.Com Part III (Honours)			59	44	15	
2012-13	B.Com Part III (General)			132	102	30	
2011-12	B. Com Part I (Honours)	133	300	195	166	29	
2011-12	B.Com Part I (General)	225	306	519	425	94	
2011-12	B.Com Part II (Honours)			149	130	19	

2011-12	B.Com Part II (General)			469	452	17	
2011-12	B.Com Part III (Honours)			81	67	14	
2011-12	B.Com Part III (General)			65	63	02	

*M = Male *F = Female

27. Diversity of Students:

Name of the Course	% of the students from the same state	% of the students from other states	% of the students from abroad
B.Com Part I	80	20	-
B.Com Part II	85	15	-
B.com Part III	90	10	-

Social profile of the students

Session	Name of the course	General	S.C.	S.T.	O.B.C.	Minority
2015-16	B. Com Part I (Honours)	285	06	01	04	22
2015-16	B.Com Part I (General)	151	05	01	02	35
2015-16	B.Com Part II (Honours)	105	02	0	0	20
2015-16	B.Com Part II (General)	290	01	0	0	21
2015-16	B.Com Part III (Honours)	114	01	0	0	12
2015-16	B.Com Part III (General)	131	01	0	0	20
2014-15	B. Com Part I (Honours)	148	10	0	27	46
2014-15	B.Com Part I (General)	465	32	0	26	72

2014-15	B.Com Part II (Honours)	101	05	0	05	32
2014-15	B.Com Part II (General)	245	06	0	05	40
2014-15	B.Com Part III (Honours)	56	03	0	02	39
2014-15	B.Com Part III (General)	163	04	0	06	23
2013-14	B. Com Part I (Honours)	152	06	0	25	43
2013-14	B.Com Part I (General)	455	26	0	25	70
2013-14	B.Com Part II (Honours)	100	04	0	5	32
2013-14	B.Com Part II (General)	239	05	0	06	53
2013-14	B.Com Part III (Honours)	60	02	0	0	43
2013-14	B.Com Part III (General)	280	01	0	01	69
2012-13	B. Com Part I (Honours)	77	05	0	04	63
2012-13	B.Com Part I (General)	342	14	0	27	125
2012-13	B.Com Part II (Honours)	173	04	0	07	53
2012-13	B.Com Part II (General)	273	15	0	25	113
2012-13	B.Com Part III (Honours)	33	03	0	05	18
2012-13	B.Com Part III (General)	90	03	0	05	34
2011-12	B. Com Part I (Honours)	164	03	0	0	28
2011-12	B.Com Part I (General)	417	02	0	0	100
2011-12	B.Com Part II (Honours)	127	0	0	0	22
2011-12	B.Com Part II (General)	401	0	0	0	68
2011-12	B.Com Part III	69	01	0	0	11

	(Honours)					
2011-12	B.Com Part III (General)	59	01	0	0	05

28. **How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?:** NA

29. **Student progression:**

Student progression	Against % enrolled
UG to PG	10
PG to M. Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	Not known
Entrepreneurship/ Self-employment	Not known

30. **Details of infrastructural facilities**

a) **Library**—Honours students are issued books by the head of the department from the honours library.

b) **Internet Facilities for Staffs and Students:** Commerce Department has no internet facility but the faculty members use their own internet connections in the laptop provided by the department to help the students.

c) **Class rooms with ICT facility Available:** Commerce Department has their own Projector and Screen which is used for the seminar, Power point presentation and project work of the department.

31. **Number of students receiving financial assistance from college, university, government or other agencies:**

About 2 % of the students get from the College (towards free studentship)

All the girl students get Kanyashree fellowship from Govt. of West Bengal

Minority students get assistance from Minority Fund of Govt. of West Bengal

All SC students generally get stipend from Central Govt.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

1. UGC State Level Seminar on Corporate Fraud and its Impacts on Indian Business Environment was held on March 17,2015 by the department in collaboration with the Department of Commerce, University of Calcutta.

1.	Prof. Swagata Sen Professor, Department of Commerce and Dean of Faculty Councils for Post Graduate Studies in Commerce, Social Welfare & Business Management
2.	Prof. Malayendu Saha Professor, Department of Commerce, University of Calcutta and Vice Chairman of West Bengal State Council of Higher Education
3.	Prof. Dhruba Ranjan Dandapat Professor, Department of Commerce, University of Calcutta and Chairman, U.G. board of studies in Commerce, University of Calcutta
4.	Mr. Saubhik Sarkar Manager, Deloitte Haskins & Sells
5.	Dr. Ram Prahalad Chaudhary Assistant Professor, Department of Commerce University of Calcutta
6.	Dr. Ananda Mohan Pal Professor, Department of Business Management University of Calcutta
7.	Dr. Subhanil Chowdhury Assistant Professor, Department of Economics Institute of Development Studies Kolkata (IDSK)

2. Special Lecture delivered by Dr. Tamal Taru Roy on Foreign Direct Investment on January 30, 2015.
3. Apprising the students on "Career as a Company Secretary" by Mr. S. Sreejesh, Section Officer, ICSI EIRO on December 22, 2015.

33. Teaching methods adopted to improve student learning-

In classroom teaching continuous assessment of students are done by various means like group discussion, question answer etc. Mid- term test, Selection test are conducted every year and copies of the test are shown to the students in the class. Seminar, career counseling and special lectures are arranged for the students for their knowledge enrichments.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

35. SWOC analysis of the department and Future plans:

Strength

- Commerce Department possesses highly qualified and dedicated faculty members.
- All the faculty members are very much student friendly.
- All the faculty members are conscious about updating their knowledge by attending different Seminars/Workshops/Orientation Programme/ Refreshers course
- Students are assisted by the faculty members in their project work
- Separate honours library for the students
- Some special lectures are delivered through power point presentation

Weakness

- Shortage of faculty member is one of the major weaknesses.
- Another serious and long lasting problem is the space problem.
- Overlapping classes with Bangabasi College hampers our teaching learning process.
- Absence of exclusive computer lab for commerce department
- National/International journals cannot be purchased due to paucity of funds
- High teacher student ratio

Opportunity

- Introduction of PG courses under distance learning mode will help our students to pursue higher studies in their own college.

Challenges

- To improve the performance of the students as many students are first generation learner.
- To encourage students to pursue professional courses in commerce after completing their graduation

Future Plans:

- **We are planning to set up an Audio Visual classroom.**
- **Internet facilities for the students to help them in their projects and assignments.**
- **Acquiring more space for extension of departmental activities.**
- **Separate computer lab for the IT practical class.**
- **We are planning to set up career oriented programme by conducting special classes after the regular classes are over.**

1. Name of the Department: COMPUTER SCIENCE

2. Year of Establishment: Computer Science General course started in the year 2002-2003,

Computer Science Honours course started in the year 2003-2004

3. Names of the Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D. etc.) : UG- University of Calcutta

4. Names of Interdisciplinary courses and the departments / units involved

NIL

5. Annual / semester / choice based credit system (programme wise)

Annual

6. Participation of the department in the courses offered by other departments

I.T. of Commerce Department

7. Courses in collaboration with other Universities, industries, foreign institutions etc.

Graphic design for television and print media animation, Web design in association with George Animatrix School of Animation.

8. Details of courses / programmes discontinued (if any) with reasons: No

9. Number of Teaching Posts: 4

Table No. 1

No. Teaching Posts	Sanctioned posts	Filled posts
Professors	N.A.	N.A.
Associate Professors	N.A.	N.A.
Assistant Professor	N.A.	N.A.
Part Time Teacher	N.A.	N.A.

Contractual Full time Teacher (College)	----	1
Guest Lecturer	-----	3

10. Faculty Profile with name, qualification, designation, specialization (D.Sc. / D. Litt / Ph.D. / M.Phil. etc.)

Table No. 2

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for the last four years
Smt.Susmita Koner	M.Sc. M.Tech.	Contractual Fulltime Lecturer and Incharge	Software Engineering and Image Processing	02 Years 09 Months	-----
Sri Mithun Kr. Bhowal	M.Sc. Phd(Persuing)	Guest Lecturer		02 years 01 Month	-----
Smt. Shraboni Das	M.Sc.	Guest Lecturer	-----	04 Months	-----
Smt. Pallavi Roy	M.Sc.	Guest Lecturer	-----	04 Months	-----

11. List of senior visiting faculty: N.A.

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Table No. 3

Name of the Temporary Faculty	Academic Session taught	Programme	Total No. of Classes per week	No. of Classes taken per Week	% of Lectures delivered
Sri Mithun Kr. Bhowal	2012-13,2013-14,2014-15,2015-16	B.Sc. Computer Science (Hons.+Gen.)	55	13	24
Smt. Pallavi Roy	2015-16	B.Sc. Computer Science (Hons.+Gen.)	55	10	18
Smt. Shraboni Das	2015-16	B.Sc. Computer Science (Hons.+Gen.)	55	10	18

13. Student-Teacher Ratio (Programme Wise):

Table No. 4

Session/Class	No. of Students Honours	No. of Students General	No. of Teachers	Student-Teacher Ratio	
				Hons .	Gen.
2011-2012	20	20	02	10:01	10:01
2012-2013	34	30	02	17:01	15:01
2013-2014	17	19	04	17:04	19:04
2014-2015	28	29	04	07:01	29:04
2015-2016	30	22	04	15:02	11:02

14. Number of Academic Support Staff (technical) and administrative staff;

sanctioned and filled : NIL

Table No. 5

Post	Sanctioned	Filled
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Academic Support Staff	01	01(College Appointed)
Administrative Staff		

15. Qualifications of teaching faculty with D.Sc. / D. Litt. / Ph.D. / M. Phil. / PG

Table No. 6

Highest Qualification	No. of Teaching Faculty (Existing)
DSC/ D.Litt.	NIL
Ph.D.	NIL
M. Phil.	NIL
P.G.	04

16. Number of Faculty with ongoing Projects from a) National b) International funding agencies and grants received

Table No. 7

Name of the Principal Investigator	Title of the Project	Funding Agency	Period	Total Grant	Affiliation
NIL	NIL	NIL	NIL	NIL	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: N.A.

19. Publications:

a) Publications per faculty

Publications	2008	2009	2010	2011	2012	2013	2014	2015	Total
Total Year wise publications of the Dept. without ISBN/ISSN									
No. of papers published in peer reviewed journals by faculty & students					01		01		02
No. of publications published in International Database							02	03	05
Monographs									
Chapter in books									
Books Edited									
Books with ISBN/ISSN									
Citation Index									
SINP									
Impact factor									
h-index									

***** For Full List of publications of the Faculty, See Annexure-1**

* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) -

* Monographs :

* Publications :

Papers Published (2007-2015): Please see Annexure 1.

Teacher Name:**Papers Accepted:**

- * Chapter in Books :
- * Books Edited :
- * Books with ISBN/ISSN numbers with details of publishers:

A. Edited Books :

Sl. No. & Name	Title with page nos.	Type of Book	Publisher & ISSN / ISBN No.
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B. Reference Books

Sl. No. & Name	Title with page nos.	Type of Book & Authorship	Publisher & ISSN / ISBN No.
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C. Seminar Attended & Participated

Name of Faculty	Sl. No.	Title of the Seminar	Year	International /National/State/ University / College	Funding Agency
Smt. Susmita Koner	1.	Corporate Fraud and its Impacts on Indian Business Environment	March 17, 2015	State Level	U.G.C.
	2.	Environmental Impacts on Health: Towards a Better Future	March 27-28, 2015	National	U.G.C.

	3.	Cyber Crime	2015	Institutional Level	I.Q.A.C., Bangabasi Morning College
(Paper presented)	4.	International Conference on Communication and Signal Processing	2014	International	IEEE
	5.	One day Workshop in Computer Science	November 25, 2013	University	Cacutta University
	6.	Emerging Trends in Computer Science	2012	National	U.G.C.
Sri Mithun Kr. Bhowal	1.	International Conference on condence matter physics	2014	International	Department of physics, Himachal Pradesh, Simla.
	2.	International workshop on physics of semiconductor by society for semiconductor device	2015	International	Society of semiconductor device
	3.	International conference on computers and devices for communication- 2015, Calcutta	2015	International	Institute of radio physics and electronics, CU

20. Areas of consultancy and income generated:

21. Faculty as members in

Sl.	Faculty	Serving in(a)National Commiittees (b)
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No.		International Committees (c) Editorial Board (d) any other

22. Student projects:

2ND year Honours students are engaged in short academic projects under the guidance of Smt. Susmita Koner.

23. Awards/Recognitions received by faculty and students:

A. Smt. Susmita Koner:

- A.I.C.T.E Gate Scholarship for persuing M. Tech. from July 2012-May 2014.

24. List of eminent academicians and scientists / visitors to the department

1.	Sri. Siddhartha Banerjee

25. Seminars/ Conferences/Workshops organized & the source of funding: 01

Sl.No.	Seminar/Workshop	Date	Source of Funding
1.	Mathematics And Computer Science- An Interface	14/03/2009	UGC and Department of Science and Technology Govt. of West Bengal.

26. Students profile programme /course wise:

Name of the Course/programme	Year	Intake Capacity	Applications received	Selected	Enrolled		Pass percentage
					*M	*F	
B. Sc. Computer Science Honours(Part I)	2015-2016	40	41	15	07	02	-----
B. Sc. Computer Science Honours(Part I)	2014-2015	30	150	22	17	5	60
B. Sc. Computer Science Honours(Part I)	2013-2014	30	100	11	9	2	78
B. Sc. Computer Science Honours(Part I)	2012-2013	30	65	25	15	10	67
B. Sc. Computer Science Honours(Part I)	2011-2012	20	50	13	10	3	85

*M = Male *F = Female

27. Diversity of Students:

Name of the Course	% of the students from the same state	% of the students from other states	% of the students from abroad
B. Sc. Computer Science Honours	88%	12%	NIL

Social profile of the students

Name of the course	General	S.C.	S.T.	O.B.C.	Minority
B. Sc. Computer Science Honours	08	01	00	00	02

28. How many students have cleared national and state competitive examinations

such as NET, SLET, GATE, Civil services, Defense services, etc.?: NA

29. Student progression:

Student progression	Against % enrolled
UG to PG	70
PG to M. Phil.	Not known
PG to Ph.D.	Not known
Ph.D. to Post-Doctoral	Not known
Employed	Not known
Entrepreneurship/ Self-employment	Not known

30. Details of infrastructural facilities

a) Library—Possesses good Library with additional Honours Library Facility

b) Internet Facilities for Staffs and Students: Possesses Internet Facility for Staff and students.

c) Class rooms with ICT facility Available: 2 Labs, Class rooms are compatible for giving lectures with LCD Projectors.

31. Number of students receiving financial assistance from college, university, government or other agencies:

About 2% of the students get financial assistance from College as Free Studentship
BPL girl students are entitled to get KANYASHREE assistance from Govt. of West Bengal.
OBC-B minority students are entitled to get MINORITY scholarship from Govt. of West Bengal.

All Sc/ST students are entitled to get scholarship from Govt. of India.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

Special Lectures on Computer Organization was delivered by Sri. Siddhartha Banerjee to B.Sc. Computer Science Honours Part I students on 17/07/2014 and on 23/07/2014

33. Teaching methods adopted to improve student learning-

ICT based, Group Discussion based, Projects are given to students.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

35. SWOC analysis of the department and Future plans:

Strength

1. Well equipped Software as well as Hardware Lab.
2. Young, qualified and energetic academic staff.
3. A very good environment for study in a separate campus for the department.
4. Special lectures on particular topic is arranged by eminent teachers.
5. Parent teacher meeting.
6. Faculty members keeps on upgrading their knowledge according to the recent trends and researches.

Weakness

1. Self financed course.
2. Students are from less advanced background.
3. Laboratory
4. More advanced equipments required.
5. Library facility inadequate.

Opportunity

1. The course is very much useful in research and job oriented.
2. There is scope for diversification.

Challenges

1. It is a challenging task to train up students from economically weaker background who lack basic infrastructure at home.

Future Plans:

1. To procure LCD projector for better delivery of lectures.
2. To make library and laboratory infrastructure up to date.
3. To upgrade the department from self financed to government aided course.
4. To introduce more career oriented courses.

***Annexure - I

Teacher Name:

LIST OF PUBLICATIONS :

- **Susmita Koner:**

1. D. P. Bhattacharya and S. Koner, "English Alphabet Recognition Using Chain Code And Lcs", Indian Journal of Computer Science and Engineering (IJCSE), ISSN :00976-5166, Vol. 3 No. 2, Apr-May 2012, pp. 330-336.
2. S. Koner and S. Acharyya, "Ant colony optimization in image edge detection", IEEE International Conference on Communication and Signal Processing, April 3-5, 2014, India, pp. 812-816.

- **Mithun Kr. Bhowal:**

1. T. D. Das, D. P. Samajdar, M. K. Bhowal, S. Dhar, "Low temperature photoluminescence of III-V bismide grown by Liquid Phase Epitaxy", International Conference on condense matter physics-2014 , Simla, India.
2. T. D. Das, D. P. Samajdar, M. K. Bhowal, S. Dhar, " Liquid phase epitaxy and low temperature photoluminescence of InPBi and GaSbBi", 18th International workshop on physics of semiconductor by society for semiconductor device.

3. M. K. Bhowal, S. Das, S. Dhar, "Calculation of refractive index of some group III-V semiconductors material at energies below bandgap", 6th International conference on computers and devices for communication-2015, Calcutta.

• **Pallavi Roy:**

1. P.Roy, A. Chakraborty, J. K. Mondal, P. Bhattacharya, "Clustering of noisy Region (CNR)- A GIS Anchored technique for Clustering on Raster Map", 2nd International conference on computer and communication technologies(ic3t) 2015, Springer book: advanced in intelligent system and computing volume 381, Pg: 511.
2. P.Roy, A. Chakraborty, J. K. Mondal, P. Bhattacharya, "Compact coalescence Clustering Algorithm (C3A)- A GIS Anchored technique for Clustering discrete points". Accepted, 3rd International conference on Information System Design and Intelligent Application (India 2016), springer, 8-9 Jan,2016.

1. Name of the Department: Economics

2. Year of Establishment: 1965

3. Names of the 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:

Commerce, Philosophy, Pol. Sc, History, etc.

5. Annual / semester / choice based credit system (programme wise): Annual

6. Participation of the department in the courses offered by other departments:

BA (Gen), BCom (Hon), BCom (Gen)

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 No. 1

No. Teaching Posts	Sanctioned posts	Filled posts
Professors	N.A.	N.A.
Associate Professors	0	0
Assistant Professor	2	2

10. Faculty Profile with name, qualification, designation, specialization (D.Sc. / D. Litt. / Ph.D. / M.Phil. etc.)

Table No. 2

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for the last four years
Bimal Sarkar	MA, MPhil	Asst. Prof	Econometrics & International Economics	Total 12 years 10 years in BMC	0
Nilanjan Patra	BSc, MSc, MPhil, PhD	Asst. Prof	Health Econ, Development Economics	6 years (total teaching and research exp); 1.5 years in BMC	0

11. List of senior visiting faculty: NA

12. Percentage of lectures delivered and practical classes handled (programme-wise) by temporary faculty:

Table No. 3

Name of the Temporary Faculty	Academic Session taught	Programme	Total No. of Classes per week	No. of Classes taken per Week	% of Lectures delivered
Pallabi Paul	2012-13, 2013-14, 2014-15	BA	26	8	30.7
Pallabi Paul	2012-13, 2013-14, 2014-15	BCom	14	8	57.1

13. Student-Teacher Ratio (Programme Wise):

Table No. 4

Session	No. of Students Honours	No. of Students Pass	No. of Teachers	Student-Teacher Ratio
2014-2015 BA (Gen)	NA	63	2	31.5

2014-2015 BCom	NA	531	2	265.5
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14. Number of Academic Support Staff (technical) and administrative staff; sanctioned and filled :

Table No. 5

Post	Sanctioned	Filled
Academic Support Staff	0	0
Administrative Staff	0	0

15. Qualifications of teaching faculty with D.Sc. / D. Litt. / Ph.D. / M. Phil. / PG

Table No. 6

Highest Qualification	No. of Teaching Faculty (Existing)
DSC/ D.Litt.	0
Ph.D.	1
M. Phil.	1
P.G.	1

16. Number of Faculty with ongoing Projects from a) National b) International funding agencies and grants received: Nil

Table No. 7

Name of the Principal Investigator	Title of the Project	Funding Agency	Period	Total Grant	Affiliation
NA	NA	NA	NA	NA	NA

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University: N.A.

19. Publications:

a) Publications per faculty

Bimal Sarkar

Publications	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
Total Year wise publications of the Dept. without ISBN/ISSN	-	-	-	-	-	-	-	-	-	-
No. of papers published in peer reviewed journals by faculty & students with ISBN						1		1		2
No. of publications published in International Database										
Monographs	-	-	-	-	-	-	-	-	-	-
Chapter in books	-	-	-	-	-	-	-	-	-	-
Books Edited										
Books with ISBN/ISSN										
Citation Index										
SINP										
Impact factor										
h-index										

Dr. Nilanjan Patra

Publications	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
Total Year wise publications of the Dept. without ISBN/ISSN	-	-	-	-	-	-	-	-	-	-
No. of papers published in peer reviewed journals by faculty & students with ISBN	1	1	-	1	2	3	1	-	-	9
No. of publications published in International Database										
Monographs	-	-	-	-	-	-	1	1		2

Chapter in books	-	-	-	1	2	3	4	6	-	16
Books Edited										
Books with ISBN/ISSN										
Citation Index										
SINP										
Impact factor										
h-index										

*** For Full List of publications of the Faculty, See Annexure-1

A. Edited Books:

Sl. No. & Name	Title with page nos.	Type of Book	Publisher & ISSN / ISBN No.
NA			

B. Reference Books

Sl. No. & Name	Title with page nos.	Type of Book & Authorship	Publisher & ISSN / ISBN No.
NA			

C. Seminar Attended & Participated

Sl. No.	Title of the Seminar	Year	International /National/State/ University / College	Funding Agency
Bimal Sarkar				
1.	"Macroeconomic Theory and Policy-Contemporary Perspective"	2008	Regional Workshop organized by Centre for Studies in Social Sciences, Calcutta on 05/02/2008	
2.	"Globalisation, Economic Growth and Exdusion: The Indian Experience"	2008	UGC sponsored Seminar organized by K.K. Das College, Kolkata on 19/09/2008	UGC
3.	"Corporate Social Responsibility and Indian Business Environment"	2008	UGC sponsored State Level Seminar organized by Bangabasi College, Kolkata on 21/11/2008	UGC
4.	"Mathematics and computer Science – An	2009	UGC Sponsored Seminar organized by Bangabasi Morning College on	UGC

	Interface”		14/03/2009	
5.	“Inclusive Growth: India in Global Perspective”	2009	UGC sponsored National Level Workshop-cum-Seminar organized by Vivekananda College, Kolkata on 20-21/03/2009	UGC
6.	“5 th SAP-DRS Seminar in Economics”	2009	5 th SAP-DRS Seminar organized by Department of Economics ,University of North Bengal, Darjeeling on 28/03/2009	
7.	“15 th Research Methodology Workshop & Training in Economics”	2009	15th University Level Workshop organized by Department of Economics ,University of North Bengal, Darjeeling on 27-28/03/2009	
8.	“Economic Growth in West Bengal: Challenges & Priorities”	2013	Workshop organized by SOSU, Indian Statistical Institute ,Kolkata on 07-08/01/2013	
9.	“Economic Development of West Bengal in Perspective”	2014	UGC Sponsored National Seminar) organized by Department of Economics ,University of North Bengal, Darjeeling(12-13/03/2014)	UGC
10	“Regional Economic Development & Development with Women”	2014	UGC SAP DRS-II National Seminar organized by Department of Economics ,University of North Bengal, Darjeeling(13-14/03/2014)	UGC SAP DRS

Nilanjan Patra

International

1	UIP in India: The Determinants of Childhood Immunisation	2006	Forum-10 of Global Forum for Health Research in Cairo, Egypt (29 Oct-2 Nov, 2006)	Forum-10
2	‘When will they ever learn?': The Great Indian Experience of Universal Immunisation Programme, 2010	2010	Population Association of America (PAA) meeting in Dallas, USA (Apr 15-17, 2010) and 2010 AEA Conference on Econometrics of Healthy Human Resources in Rome (May 27-29, 2010). (Selected)	PAA
3	‘When will they ever learn?': The Great Indian Experience of Universal Immunisation Programme	2010	Asian Population Association Conference, New Delhi (Nov 16-20, 2010).	APA
4	Harnessing the Underground Health Market: The Case of Indian Rural Medical Practitioners in Indian	2013	International conference of International Health Economics Association (IHEA) in Sydney, Australia (Jul 7-10, 2013)	IHEA

	Sundarbans (with Barun Kanjilal)			
5	Patterns and Determinants of Gender Bias in Child Health in India	2013	XXVII IUSSP International Population Conference, Busan, Korea (Aug 26-31, 2013) (Selected)	IUSSP
National				
6	UIP in India: The Determinants of Childhood Immunisation	2006	42 nd Annual Conference of The Indian Econometrics Society (TIES) at Punjab School of Economics, GND University, Amritsar (Jan 5-7, 2006).	TIES
7	Long Run Relationship between Real Exchange Rates and Real Interest Rate Differentials: The Cointegration Approach	2007	43 rd Annual Conference of The Indian Econometrics Society (TIES) at Indian Institute of Technology, Mumbai (2007).	TIES
8	UIP in India: The Determinants of Childhood Immunisation	2007	Platinum Jubilee Seminar on Gender Issues and Empowerment of Women at Indian Statistical Institute, Kolkata (2007).	ISI
9	'When will they ever learn?': The Great Indian Experience of Universal Immunisation Programme	2009	3 rd International Doctoral Theses Conference held at IBS Hyderabad (2009) jointly organised by IBS and IGIDR, Mumbai .	IBS
10	'When will they ever learn?': The Great Indian Experience of Universal Immunisation Programme	2009	International conference of the 18 th biennial meeting of Association of Indian Economic and Financial Studies in New Delhi (June 19-20, 2009) jointly organised by AIEFS and RIS .	AIEFS
11	'When will they ever learn?': The Great Indian Experience of Universal Immunisation Programme	2009	5 th Annual Conference on Economic Growth and Development of Indian Statistical Institute, New Delhi (Dec 16-18, 2009).	ISI
12	State-wise Pattern of Gender Bias in Child Health in India	2009	3 rd International Conference of University of Burdwan (Dec 29-30, 2009).	BU
13	'When will they ever learn?': The Great Indian Experience of Universal Immunisation Programme	2010	Development Convention 2009-10 of Institute for Social and Economic Change, Bangalore (Jan 21-23, 2010).	ISEC

14	State-wise Pattern of Gender Bias in Child Health in India	2010	7 th Conference of Indian Association for Social Sciences and Health (IASSH) in Banaras Hindu University (Mar 5-7, 2010).	IASSH
15	'When will they ever learn?': The Great Indian Experience of Universal Immunisation Programme	2010	National Seminar of Sri Venkateswara College, New Delhi (Sep 20-21, 2010).	SV College
16	Inter-temporal Pattern of Gender Bias in Infant Mortality in India: Evidence from NFHS and SRS Data	2010	32 nd Annual Conference of IASP in Utkal University, Bhubaneswar (Nov 28-30, 2010).	IASP
17	Credible Neglect in Incredible India: Regional Pattern of Gender Bias in Child Health	2011	National Conference of Dept. of Economics and Politics, Visva-Bharati University (Mar 11-13, 2011).	VU
18	State-wise Pattern of Gender Bias in Child Health in India	2011	National Conference of IIPS , Mumbai in Rajasthan University, Jaipur (Apr 4-6, 2011).	IIPS
19	Patterns and Determinants of Gender Bias in Child Health in India	2012	5 th Doctoral Colloquium of IIM Ahmedabad (Jan 7-8, 2012).	IIM-A
20	Patterns and Determinants of Gender Bias in Child Health in India	2012	National Conference of Ananda Chandra College of Commerce, Jalpaiguri (Mar 26-28, 2012).	UGC
21	The RMPs in Rural Healthcare Market: Case Study of Indian Sundarbans (with Barun Kanjilal)	2012	Meeting by Liver Foundation, Kolkata on Rural Healthcare Providers in India (Nov 18, 2012)	LF
22	Patterns and Determinants of Gender Bias in Child Health in India	2012	National Seminar of Visva-Bharati on Challenges of Livelihood and Inclusive Rural Development in the era of Globalization (Nov 23, 2012)	VU
23	The RMPs in Rural Healthcare Market: Case Study of Indian Sundarbans (with Barun Kanjilal)	2012	National Seminar of Visva-Bharati (Nov 23, 2012)	VU
24	Healthcare in a Climatically Challenged Area: Case Study of Indian Sundarbans (with B Kanjilal, PG Majumdar)	2012	National Seminar of Visva-Bharati (Nov 23, 2012)	VU

25	Addressing Four 'A's of Accessibility in Child Healthcare: Case Study of Indian Sundarbans (with D Barman, P Sengupta)	2012	National Seminar of Visva-Bharati (Nov 23, 2012)	VU
26	The RMPs in Rural Healthcare Market: Case Study of Indian Sundarbans (with Barun Kanjilal)	2012	National Seminar of Panchakot Mahavidyalaya, Purulia on Deprivation in Backward Areas: Food, Shelter, Health and Knowledge (Dec 6-7, 2012)	UGC
27	The Role of Digital and Social Media in Future Healthcare	2012	National Seminar of Panchakot Mahavidyalaya, Purulia on Significance and Applications of Computer and Information Technology in Daily Life (Dec 7-8, 2012)	UGC
28	Patterns and Determinants of Gender Bias in Child Health in India	2012	2 nd Annual Conference of Indian Health Economics and Policy Association (IHEPA) at Institute for Social and Economic Change, Bangalore (Dec 20-21, 2012)	ISEC
29	The RMPs in Rural Healthcare Market: Case Study of Indian Sundarbans (with Barun Kanjilal)	2013	International Conference of Dept. Of Economics, Burdwan University, Burdwan on Development, Environment and Sustainable Livelihood (Jan 18-19, 2013).	BU
30	The RMPs in Rural Healthcare Market: Case Study of Indian Sundarbans (with Barun Kanjilal)	2013	Young Scholars Seminar of CESP, JNU, New Delhi (Mar 1-3, 2013)	JNU
31	Patterns and Determinants of Gender Bias in Child Health in India	2013	National Seminar of IIPS, Mumbai in IIFM, Bhopal (Mar 21-23, 2013)	IIPS
32	Patterns and Determinants of Gender Bias in Child Health in India	2013	international conference of Kalyani University, Kalyani (Mar 21-22, 2013)	UGC
33	Climatic Shock, Community Capability and Childhood Malnutrition: Case Study from the Indian Sundarbans	2015	Young Scholars Seminar of CESP, JNU, New Delhi (Mar 9-11, 2015).	JNU
34	Climatic Shock, Community Capability and Childhood Malnutrition: Case Study from the Indian Sundarbans	2015	UGC-sponsored National Conference of Bangabasi Morning College, Kolkata (Mar 27-28, 2015)	UGC

20. Areas of consultancy and income generated: N.A.

21. Faculty as members in

Sl. No.	Faculty	Serving in(a)National Committees (b) International Committees (c) Editorial Board (d) any other
	NA	NA

22. Student projects: N.A.

23. Awards/Recognitions received by faculty and students:

Dr Nilanjan Patra:

- a) Received full-funding to participate three international conference/ workshop (Cairo, New York, Kampala).
- b) Awarded **Indian Council of Social Science Research (ICSSR) Doctoral Fellowship** (Sep, 2008-July, 2010).
- c) Received **University Grants Commission (UGC) Central University Fellowship** (Aug, 2007-Sep, 2008).

24. List of eminent academicians and scientists/ visitors to the department

1	Dr Biwsajit Mandal, Asst Prof, Visva-Bharati
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25. Seminars/ Conferences/Workshops organized & the source of funding:

Sl.No.	Seminar/Workshop	Date	Source of Funding
	NA		

26. Students profile programme /course wise:

Name of the Course/programme	Intake Capacity	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
BA	63	70	63	44	19	94
BCom	531	600	531	422	109	92

*M = Male *F = Female

27. Diversity of Students:

Name of the Course	% of the students from the same state	% of the students from other states	% of the students from abroad
BA	95	5	0
BCom	89	11	0

Social profile of the students

Name of the course	General	S.C.	S.T.	O.B.C.	Minority
BA	47	9	5	20	19
BCom	43	11	7	18	21

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?: NA

29. Student progression:

Student progression	Against % enrolled
UG to PG	NA
PG to M. Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA

Employed	NA
Entrepreneurship/ Self-employment	NA

30. Details of infrastructural facilities

a) **Library**— General Library is used for the purpose of Learning Resources.

b) **Internet Facilities for Staffs and Students:** Not available

c) **Class rooms with ICT facility Available:** Not available

31. **Number of students receiving financial assistance from college, university, government or other agencies:** NA

32. **Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:**

One departmental seminar organised on “time zone and international trade” in 2014.

33. **Teaching methods adopted to improve student learning-**

Interactive method and quiz, students need to explain what they have understood.

34. **Participation in Institutional Social Responsibility (ISR) and Extension activities:**
NA

35. **SWOC analysis of the department and Future plans:**

Strengths

Economics course help students to understand basic issues about economic system and decision making. The department has very good teachers who are always there to help the students. We teach the students who come from backward areas and underprivileged class. We can teach in three languages (English, Hindi and Bengali). Interactive teaching-learning sessions in three different languages help all the students to understand the subject and its application smoothly and excellently.

Opportunities

Multi-media based teaching will be helpful to enhance quality of our programme dramatically. Launching new programmes like guidance for NET, preparation for competitive exams, short-term courses on data analysis, etc will be helpful for the future students. Teachers could be hired for govt-sponsored projects.

Weakness

Teacher-student ratio is extremely poor. There are also huge load of examining thousands of answer scripts on the teachers sometimes affect classes. Problem of classroom infrastructure like lights that most students complain about. Teachers complain about absence of ICT classrooms and other facilities like laptop, printer, internet, journal access. Lack of number of classrooms is another problem. More UGC grants will be helpful to fix these bottlenecks.

Challenges

Huge number of students enrolls in this College from varied background. We need to teach them in three different languages for better understanding. To generate funds on our own will be a serious challenge in future given paucity of funding by UGC and State-Govt.

Future Plans:

We hope to start Honours class in near future. We hope we can improve teaching-learning infrastructure to make learning more attractive. We also hope for increasing teacher-student ratio in near future. Job-market oriented new courses will make the existing and new courses more demanding.

****Annexure - I**

Teacher Name:

Dr. Nilanjan Patra:

➤ **International Journal**

	Title with Page Nos.	Journal	ISSN No.	Refereed
1	Patra, N. (2010): 'When Will They Ever Learn?': The Indian Experience of Universal Immunisation Programme, Vol-3, No-1, 93-114.	International Journal of Child Health and Human Development	1939-5965	Refereed
2	Patra, N. (2011): Inter-temporal Pattern of Gender Bias in Infant Mortality in India: Evidence from NFHS and SRS Data, Vol-4, No-1, pp-53-65.	International Journal of Child and Adolescent Health	1939-5930	Refereed
3	Patra, N. (2011): Credible Neglect in <i>Incredible India</i> : Regional Pattern of Gender Bias in Child Health in India, Vol-3, No-3, pp-289-305.	International Public Health Journal	1947-4989	Refereed
4	Patra, N. (2012): A Probe into the Ways to Stimulate Childhood Immunisation in India: Findings from NFHS-III, Vol-5, No-1, pp-65-84.	International Journal of Child and Adolescent Health	1939-5930	Refereed
5	Patra, N. (2012): State-wise Pattern of Gender Bias in Child Health in India, Vol-5, No-3, pp-303-23.	International Journal of Child Health and Human Development	1939-5965	Refereed
6	Patra, N. (2012): A Comment on Infant Mortality Rate in India, Vol-4, No-1, pp-25-31.	International Public Health Journal	1947-4989	Refereed
7	Patra, N. (2013): Patterns and Determinants of Gender Bias in Child Health in India, Vol-6, No-3, pp-305-36.	International Journal of Child Health and Human Development	1939-5965	Refereed
8	Patra N, Mandal A. (2016): Child Health Status and Inequalities in the Indian Sundarbans, Vol-9, No-2, pp- (forth coming)	International Journal of Child Health and Human Development	1939-5965	Refereed
9	Patra, N. (2016): Climatic Shock, Community Capability and Childhood Malnutrition: Case Study from the Indian Sundarbans, Vol-9, No-3, pp- (forth coming)	International Journal of Child and Adolescent Health	1939-5930	Refereed

➤ **National Journal**

	Title with Page Nos.	Journal	ISSN No.	Refereed
1	Patra, N. (2007): Universal Immunisation in India: A Probe into the Determinants of Childhood Immunisation, Vol-3, No.1 & 2, pp-179-204.	Journal of Health and Development	0973-1814	Refereed
2	Patra, N. (2008): Exploring the Determinants of Childhood Immunisation, Vol-43, No.12 & 13, pp-97-104.	Economic and Political Weekly	0012-9976	Refereed

➤ **Articles/ Chapters in Edited Books**

	Title with Page Nos.	Book Title, Editor & Publisher	ISBN No.	Refereed
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1	Patra, N. (2010): 'When Will They Ever Learn?': The Indian Experience of Universal Immunisation Programme, Ch-10, pp-105-30.	Child Health and Human Development Yearbook 2010. Ed. Joav Merrick. New York: Nova Sci. Pub	978-1-61209-789-3	Refereed
2	Patra, N. (2011): Inter-temporal Pattern of Gender Bias in Infant Mortality in India: Evidence from NFHS and SRS Data, Ch-5, pp-61-79.	Child and Adolescent Health Yearbook 2011. Ed. Joav Merrick. New York: Nova Sci. Pub	978-1-61942-782-2	Refereed
3	Patra, N. (2011): Credible Neglect in <i>Incredible India</i> . Regional Pattern of Gender Bias in Child Health in India, Ch-25, pp-317-36.	Public Health Yearbook 2011. Ed. Joav Merrick. New York: Nova Sci. Pub	978-1-62081-434-5	Refereed
4	Patra, N. (2012): An Analysis of Socioeconomic and Demographic Determinants of Childhood Immunisation in India. Ch-11, pp-205-26.	Gender Issues and Empowerment of Women. Eds: Manoranjan Pal <i>et al.</i> New York: Nova Science Publishers	978-1-62100-407-3	Refereed
5	Patra, N. (2012): A Probe into the Ways to Stimulate Childhood Immunisation in India: Findings from NFHS-III, Ch-8, pp-79-101.	Child and Adolescent Health Yearbook 2012. Ed. Joav Merrick. New York: Nova Sci. Pub	978-1-61942-788-4	Refereed
6	Patra, N. (2012): State-wise Pattern of Gender Bias in Child Health in India, Ch-23, pp-371-96.	Child Health and Human Development Yearbook 2012. Ed. Joav Merrick. New York: Nova Sci. Pub	978-1-61942-978-9	Refereed
7	Patra, N. (2013): A Comment on Infant Mortality Rate in India, Ch-2.	Public Health Yearbook 2012. Ed. Joav Merrick. New York: Nova Sci. Pub	978-1-62808-079-7	Refereed
8	Patra, N. (2013): Healthcare in a Climatically Challenged Area: Case Study of the Indian Sundarbans (with B Kanjilal and PG Majumdar), Ch-13, pp-237-62.	Challenges of Livelihood and Inclusive Rural Development in the Era of Globalization. Eds. PK Chattopadhyay and S Bhattacharya. New Delhi: New Delhi Publishers	978-93-81274-25-5	Refereed
9	Patra, N. (2013): Addressing Four 'A's of Accessibility in Child Healthcare: A Case study of Indian Sundarbans (with D Barman and P Sengupta), Ch-4, pp-57-73.	Challenges of Livelihood and Inclusive Rural Development in the Era of Globalization. Eds. PK Chattopadhyay and S Bhattacharya. New Delhi: New Delhi Publishers	978-93-81274-25-5	Refereed
10	Patra, N. (2013): Patterns and Determinants of Gender Bias in Child Health in India, Ch-28, pp-353-409.	Child Health and Human Development Yearbook 2013. Ed. Joav Merrick. New York: Nova Sci. Pub	978-1-63117-939-6	Refereed
11	Patra, N. (2014): Inter-temporal Pattern of Gender Bias in Infant Mortality in India: Evidence from NFHS and SRS Data, Ch-3, pp-31-46.	India: Health and Human Development Aspects. Ed. Joav Merrick. New York: Nova Sci. Pub	978-1-62948-784-7	Refereed
12	Patra, N. (2014): Patterns and Determinants of Gender Bias in Child Health in India, Ch-5, pp-55-93.	India: Health and Human Development Aspects. Ed. Joav Merrick. New York: Nova Sci. Pub	978-1-62948-784-7	Refereed
13	Patra, N. (2014): State-wise Pattern of Gender Bias in Child Health in India, Ch-8, pp-127-52.	India: Health and Human Development Aspects. Ed. Joav Merrick. New York: Nova Sci. Pub	978-1-62948-784-7	Refereed
14	Patra, N. (2014): How to Stimulate Childhood Immunisation in India, Ch-9, pp-153-78.	India: Health and Human Development Aspects. Ed. Joav Merrick. New York: Nova Sci. Pub	978-1-62948-784-7	Refereed
15	Patra, N. (2014): Regional Pattern of Gender Bias in Child Health in India, Ch-10, pp-179-98.	India: Health and Human Development Aspects. Ed. Joav Merrick.	978-1-62948-784-7	Refereed

		New York: Nova Sci. Pub		
16	Patra, N. (2014): The Indian Experience of the Universal Immunisation Programme, Ch-11, pp-199-224.	India: Health and Human Development Aspects. Ed. Joav Merrick. New York: Nova Sci. Pub	978-1-62948-784-7	Refereed

➤ **Monograph and others**

	Title with Page Nos.	Book Title, Editor & Publisher
1	Patra, N. (2012): Rural Medical Practitioners: The Satans or the Saviours?	<i>Sudbu Sundarban Charcha</i> . October, 2012 (A Bengali quarterly on various issues of the Sundarbans). Ed: JN Lahiri.
2	Patra, N. (2013): How Healthy are the Children of Indian Sundarbans(with Barun Kanjilal <i>et al</i>)	<i>Monograph</i> published by <i>Institute of Health Management Research and Future Health Systems</i>
3	Patra, N. (2014): Essential Health Package for India: Approach and Costing (with Indrani Gupta and S Chowdhury)	<i>Report</i> submitted to the 14 th Finance Commission from <i>Institute of Economic Growth</i>

Bimal Sarkar:

1. Trade Performance in the post Liberalisation Era, Indian Journal of Social & Economic Policy, Vol .1, No. 1, 2004.
2. “Determinants of Remittances to Bangladesh: A Regression Analysis”, The IUP Journal of Bank Management, Vol. XIII, No.3. 2014.
3. “Do Budget deficits Affect Current Account deficit? Some Evidence for Bhutan”, The IUP Journal of Bank Management, Vol. XI, No.4. 2012.

1. Name of the Department : English

2. Year of Establishment : 1965

3. Names of the 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 :

Compulsory English- B.Sc (Hons. +General)

Communicative English- B.Com (Hons. +General)

5. Annual / semester / choice based credit system (programme wise) :

Annual

6. Participation of the department in the courses offered by other departments :

Compulsory English- B.Sc (Hons. +General)

Communicative English- B.Com (Hons. +General)

7. Courses in collaboration with other Universities, industries, foreign institutions etc. :

M.A. in English in collaboration with Distance Education, Vidyasagar University .

8. Details of courses / programmes discontinued (if any) with reasons :

N.A.

9. Number of Teaching Posts : 4 (Four)

Table No. 1

No. Teaching Posts	Sanctioned posts	Filled posts
Professors	N.A.	N.A.
Associate Professors	-	-
Assistant Professor	4	4

10. Faculty Profile with name, qualification, designation, specialization (D.Sc. / D. Litt / Ph.D. / M.Phil. etc.)

Table No. 2

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for the last four years
Ronita Roy	M.A., M. Phil. , Ph D.(E.L.T.)	Assistant Professor (Head)	E.L.T.	20 years (15 years in B.M.C.)	-
Arup Debnath	M.A. ,M.Ed., M. Phil.	Assistant Professor	Early Twentieth Century English Prose and Drama	10 years (8 years in B.M.C.)	-
Anindya Sen	M.A., M. Phil.	Assistant Professor	Translation Studies	11 years	-
Kunal Kumar Halder	M.A., B.Ed.	Assistant Professor		4 MONTHS	-

11. List of senior visiting faculty: No

**12. Percentage of lectures delivered and practical classes handled (programme wise)
 by temporary faculty: N.A.**

13. Student-Teacher Ratio (Programme Wise):

Table No. 4

Session	No. of Students Honours	No. of Students Pass	No. of Teachers	Student-Teacher Ratio	
2014-2015	110	90	2	100	1
2015-2016	125	75	4	50	1

14. Number of Academic Support Staff (technical) and administrative staff; sanctioned and filled : N.A.

Table No. 5

Post	Sanctioned	Filled
Academic Support Staff		
Administrative Staff		

15. Qualifications of teaching faculty with D.Sc. / D. Litt. / Ph.D. / M. Phil. / PG

Table No. 6

Highest Qualification	No. of Teaching Faculty (Existing)
DSC/ D.Litt.	-
Ph.D.	1
M. Phil.	3
P.G.	4

16. Number of Faculty with ongoing Projects from a) National b) International funding agencies and grants received

Table No. 7

Name of the Principal Investigat	Title of the Project	Funding Agency	Period	Total Grant	Affiliation

or					
Ronita Roy	Gender Study	UGC	2014-2016	2,08,000	Minor Research Project

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: N.A.

18. Research Centre /facility recognized by the University: N.A.

19. Publications:

***** For Full List of publications of the Faculty, See Annexure-1**

A. Edited Books :

Sl. No. & Name	Title with page nos.	Type of Book	Publisher & ISSN / ISBN No.
Dr Ronita Roy & Arup Debnath	Corporate Fraud & Its Impact on Indian Business Environment	Pos-Seminar Proceedings	Readers Service ISBN-978-93-82623-61-8

B. Reference Books : Nil

C. Seminar Attended & Participated

Sl. No.	Title of the Seminar	Year	International /National/State/ University / College	Funding Agency
	Dr Ronita Roy			
1	Context and Culture in our Language Classrooms	2015	International	College
2	Corporate Frauds	2015	State	UGC

	and its Impacts on Indian Business Environment			
	Arup Debnath			
1	Context and Culture in our Language Classrooms (Presented paper)	2015	International	College
2	Corporate Frauds and its Impacts on Indian Business Environment (Participated)	2015	State	UGC
3	Environmental Impacts on Health Towards a Better Future (Participated)	2015	National	UGC
4	Mathematics and its Impact on Natural Sciences (Presented paper)	2015	National	UGC
5	Translation 19 th Century Women's Writing and Drawing on Women (Participated in Workshop)	2015	-	TBES College
6	Challenges to Education in the Present Scenario (Participated)	2015	-	WBCUTA

20. Areas of consultancy and income generated: NA

21. Faculty as members in: NA

Sl. No.	Faculty	Serving in(a) National Committees (b) International Committees (c) Editorial Board (d) any other
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22. Student projects: NIL

23. Awards/Recognitions received by faculty and students: NIL

**24. List of eminent academicians and scientists / visitors to the department
 NIL**

25. Seminars/ Conferences/Workshops organized & the source of funding:

Sl.No.	Seminar/Workshop	Date	Source of Funding
1	Seminar : Context and Culture and Language Learning	February,2015	Bangabasi Morning College + Sponsors

26. Students profile programme /course wise:

Name of the Course/programme	Intake Capacity	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
B.A English honours Part I 2015-2016	80	205	95	52	43	-----
B.A English honours Part I 2014-2015	80	301	76	31	45	20
B.A English honours Part I 2013-2014	80	130	82	54	28	14
B.A English honours Part I 2012-2013	80	195	98	62	36	08

*M = Male *F = Female

27. Diversity of Students:

Name of the Course	% of the students from the same state	% of the students from other states	% of the students from abroad
B.A. Hons. in English	96	4	NIL

Social profile of the students

Name of the course	General	S.C.	S.T.	O.B.C.	Minority
B.A Part1 Hons.(2015-16)	82	09	0	04	48

28. **How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?:** NA

29. **Student progression:**

Student progression	Against % enrolled
UG to PG	5%
PG to M. Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	5%
Entrepreneurship/ Self-employment	-

30. Details of infrastructural facilities

a) **Library** - Facility available

b) **Internet Facilities for Staffs and Students:** Available

c) **Class rooms with ICT facility Available:** Not yet available.

31. **Number of students receiving financial assistance from college, university, government or other agencies:**

General facilities are availed by students of the department.

32. **Details on student enrichment programmes (special lectures / workshops /**

seminar) with external experts:

Special Lectures are conducted.

33. Teaching methods adopted to improve student learning-

Learner- oriented approach : Interactive teaching .

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Viva-voce conducted to develop Spoken English skill among the students.

35. SWOC analysis of the department and Future plans:

<p>Strength</p> <ul style="list-style-type: none">• Qualified and experienced faculty : committed and hard-working.	<p>Weakness</p> <ul style="list-style-type: none">• Exceptionally poor competence of students; often far below the threshold level.• Very poor infrastructural support : lack of space, lack of computer and internet facilities.
<p>Opportunity</p>	<p>Challenges</p>

Future Plans:

If college can lend some infrastructural support, then one can think of running short-term vocational courses related to language skills and designed for employment purpose.

***Annexure - I

LIST OF PUBLICATIONS:

Teacher Name: Anindya Sen

1. Self-Instruction Material on Harold Pinter for N.S.O.U. (2015) –in press.
2. Translation in “19th Century Women’s Writing and Writing for Women” (2015)- from Bangla to English – in press.
3. “Negative Capability : The Semoi Romantics struggle, Shakespeare Reveals “ in December,2014 issue of Appropriations , a Peer –Reviewed journal of the Department of English, Bankura Christian College; ISSN: 0975- 1521- in press.
4. “Search in Anita Desai’s ‘Bye Bye Blackbird’: Portrait of a Forbearing Introvert Oscillating Between Multiple Roles and Identities” in Women in Indian Writing in English ; edited by Rumpa das. Participated in the UGC-Sponsored National Level Translation Workshop on “Indian English Poetry into Bangla” organized by the Department of English and other Modern Eoropean Aveneel Press, Kolkata 2014;ISBN 978-93-80761-82-4 .
5. “Metatheatrical sublayers and the Interconnecting Threads in A Midsummer Night’s Dream” in A Midsummer Dream : Essays in Critical Appropriations edited by Samrita Sengupta Sinha; July 2013.Setu Prakashani. ISBN 978-93-80677-50-7.
6. Translations in “Bharatiya Engreji Kabit”. Edited by Somdatta Mandal and Soma Mukhopadhyay ; Abhijan Publishers, February 2013; ISBN 978-93-80197-07-4.
7. “Animesh Nayane” –The Academes-Bankura Christian College Patrika; November,2012.
8. “Tagore’s ‘Kabuliwala’ in English : Comparative study of culturally and subjectively determined variables in two translations” in essay : English Studies in Albania, a referred scholarly journal devoted to the promotion of English and American studies in Albania. Published by Albanian Society for the study of English (ASSE), 2012. ISSN : 2078-7413.
9. “Exploring Bengali Identity through Translation : The Case of a Tagore song” in Evolving Bengali Identity at Home and in the World. Edited by Jaya Ghosh . Pub: Booksway, Kolkata,2012.ISBN : 978-93-81672-49-5.
10. “Tagore’s short story ‘Khudita Pashan’ in English : comparative study of accuracy, Mistranslations and Re-articulations of Imaginatively constructed space by English and Bengali Translators” in

- seminar proceedings of UGC-Sponsored National Level Seminar on Transposing Cultures, Translating Texts: A Reappraisal of Indian English Literature(s)” organized by Department of English, Sarsuna College, Kolkata in collaboration with Sahitya Academy on February 2 & 3, 2012.
11. “Climate Change and Population Reciprocity, Inequalities, Mutual Deadlock and Moderating Modes” in Climate Change: Environmental Impact- Human Ethics in Question .Published by Akansha Publishing House, New Delhi, 2011. ISBN : 978-81-8370-301-7.
 12. “Tagore songs in English : Comparative study of Multi-Translations of the same lyric” in Appropriations, eceember,2010; ISSN: 0975-1521.
 13. “Tagore’s self-translations: Mystic’ ally Extraneous Determinants in Gitanjali” in Muse Indian, Issue 33,Sep-Oct-2010, Edited by Amrit Sen. ISSN : 0975-1815.
 14. “Derozio’s View of Poetry : Uneasy Oscillation Between the Rational and the Aesthetic” in Appropriations, December , 2009;ISSN : 0975-1521.
 15. Self Instructional Material on Edward Albee’s The Zoo Story for Distance Education ,The University of Burdwan ; 2008. Editor : Dr. Himadri Lahiri.
 16. Self instructional Materials on Russian Formalism, Deconstruction and Psychoanalytic Criticism for Distance Education ,The University of Burdwan ; 2008. Editor : Dr. Angshuman Kar.
 17. “Translation of Tagore Songs into English Poems from 1985 to 2004” in Appropriations , December,2008;Vol IV.
 18. Self Instructional Material on E. M. Foster’s “ What I Believe” for Distance Education ,The University of Burdwan ;2007: Editor L. N. Gupta and Dr. Angshuman Kar.
 19. “Translated songs- in English –of Tagore- In Audio Cassettes” in Appropriations , December,2007.
 20. Content Developer for Distance Education ,The University of North Bengal,2006.
 21. “Tagore songs in English :Evolving the Poetics of Songs-to-Song Translations” in Appropriations, vol. I, December 2005.

Seminars/Workshops/Conferences

Teacher Name: Anindya Sen

1. Translator in a Seven -Day Workshop on “Translating 19th Century Women’s Writing and Writing for Women” organized by the Department of English ,The Bhawanipore Education Society College in collaboration with The Centre for Translation of Indian Literatures , Jadavpur University from 5th to 11th October, 2015.
2. Presented a paper entitled “Sarnath Banerjee’s Corridor: Text and Pictures supplemented by Uncanny Allusions and Intertextuality in UGC-Distance Education Bureau sponsored 1 day National Seminar on “Post coloniality, subalternity and Indian Writing in English : The Open Learning Praxis” organized by the School of Humanity of Netaji Subhas Open University, Kolkata on October 1, 2015.
3. Participated in the 1-Day Teachers’ Workshop on “Innovative Teaching for the Literature Classroom” organized by the Department of English, R. K. Sarada Mission Vivekananda Vidyabhavan on September 16th, 2015.
4. Presented a paper entitled “The Uneasy Tension Between Marginality and Prosperity in R. K. Narayan’s The Guide” in UGC-Sponsored National Seminar on “Representation of the Marginalized in Indian Writings in English” organized by the Department of English ,Falkata College, Jalpaiguri in collaboration with the Department of English, Sukanta Mahavidyalaya ,Dhupguri, Jalpaiguri on November 7 & 8, 2014.

5. Participated in the outlay UGC-CPE Sponsored Workshop organized by Bankura Christian College in collaboration with the Centre for Counselling Services and Studies in Self-Development (CCSSS) , Jadavpur University, on “Reduction of Stress of People Associated Directly with our Existing Education System at UG and PG Levels” on January 10, 2014.
6. Participated in the 3-Day UGC–Sponsored Workshop on “Basic Skills of Counselling” at UGC-ASC, Jadavpur University from September 26th to 28th ,2013.
7. Presented a paper entitled “Translating Shakespearean Drama into Bangla: Function, Process, Need” in UGC-Sponsored National Seminar on “Literature in Translation” organized by the Department of English, Bidhannagar Govt. College and Barasat Govt. College, Kolkata on August 2nd and 3rd , 2013 held at Bidhannagar Govt. College.
8. Presented a paper at the “National Conference on Shakespeare and other Masters” organized by the Shakespeare Society of Eastern India at Jibanananda Sabhaghar, Kolkata on March 30, 2013.
9. Chairperson and Co-convenor of UGC-Sponsored Two-Day National Seminar on “Re-Interrogating American Studies : History, Culture, Identity, organized by the Department of English, Bankura Christian College in collaboration with IASA, Eastern Region, India on September 18th & 19th , 2012 held at Bankura Christian College.
10. Acted as the Teacher-in-charge of Youth Parliament of Bankura Christian College in the State Level Youth Parliament Competition for the year 2011-2012 organized by the Department of Parliamentary Affairs , Govt. of West Bengal.
11. Presented a paper in the UGC-Sponsored National Level Seminar entitled “Transposing Cultures Translating Texts: A Reappraisal of Indian English Literature(s)” organized by the Department of English, Sarsuna College, Kolkata in collaboration with Sahitya Academi on February 2nd & 3rd , 2012.
12. Presented a paper entitled “A Tagore song in English Translations: Comparative Study of Varied Responses to the same Lyrics” in the International Conference on “Recent Trends in Literature: A Global Perspective” organized by and held at “Department of Languages , Garden City College” Bangalore on January 27th & 28th ,2012.
13. Presented a paper entitled “Grappling with Representation of Bengali Identity through Translation : The Case of Tagore songs” in the UGC-Sponsored National Seminar on “Rediscovering Bengali Identity: English Literature at Home and in the World” organized by the Department of English, Dr. Gour Mohan Roy College ,Monteswar, Burdwan in collaboration with Sarat Centenary College, Dhamakhali, Hooghly on January 9th & 10th ,2012.
14. Presented a paper in the UGC-Sponsored National Seminar on “Image of Women in Indian Writing in English” organized by Maheshtala College on December 19, 2011 and held at H.L. Roy Auditorium, Jadavpur University.
15. Presented a paper entitled “Theory to Poetry A Mutually Reciprocal Evolution In Keats” in The UGC-Sponsored National Conference on “ Ideology and Praxis : From Theory to Text” organized by the Department of English, Bhairab Ganguly College in collaboration with Shakespeare Society of Eastern India on December 8th & 9th ,2011.
16. Participated in the UGC-Sponsored National Level Translation Workshop on “Indian English Poetry into Bangla” organized by the Department of English and other Modern European Languages, Visva-Bharati, Santiniketan on August 6th and 7th ,2011.
17. Presented a paper entitled “Translating Tagore’s Short Story Kabuliwala: Comparative Study of Deviations , Mistranslations and the Recomposition of Bengali Cultural Atmosphere by two Translators(English and Bengali) in the first ASSE International Conference on British and American

- Studies “Only Connect” hosted by the Department of Foreign Languages , Faculty of Humanities, University of Vlora, Albania on 11th -13th June,2011.
18. Part of the Organizing Committee for the Two-Day UGC-Sponsored National Seminar on “Re-Reading and Re-Presenting Shakespeare” organized by the Department of English, Bankura Christian College in collaboration with Bankura Institute on February 24th -25th , 2011.
 19. Presented a paper in the National Seminar and Workshop on “Translation , Transmission and Cultural Transactions” organized by the Department of English and Linguistics NEHU ,Shillong from November 18th – 20th, 2010.
 20. Presented a paper entitled “Evolution of Theoretical Premises for Translating Tagore songs into English :Demonstration Retaining the Poet's Original Composition “(in absentia) at the International Seminar on “Theory at Work: Text, History and Culture” organized by the Department of English, BHU, in collaboration with Sahitya Academi, New Delhi and ICSSR, New Delhi from November 9th -11th ,2010.
 21. Presented a paper at a National Conference on “Climate Change: Potential Environmental Apocalypse : Human Ethics in Question” organized by and held at Synod College, Shillong on October 7th and 8th, 2010.
 22. Participated in the “Two-Day Workshop on Development of Self-Learning Materials(SLM) organized by the Directorate of Distance Education ,The University of Burdwan ,in association with the Distance Education Council ,New Delhi on March 6th and 7th,2010.
 23. Presented a paper in the 3-Day UGC-Sponsored International Seminar on “Romantic Perspective in Indian and English Texts” organized by the Department of English Nistarini College ,Purulia in collaboration with the Shakespeare Society of Eastern India held from 7th to 9th January ,2010 at Nistarini College.
 24. Participated in the Two-Day Workshop on “Achieving Excellence in Distance Education : Problems and Prospects” organized by the Directorate of Distance Education ,The University of Burdwan in collaboration with Distance Education Council ,New Delhi on 28th and 29th,2007.

Teacher Name: Kunal Kumar Halder

1. Seminar on “Autonomy of Educational Institutions : Legacy of Heritage and the Present Times”, organized by WBCOTA held on September 26th , 2015.
2. UGC-Sponsored National Seminar on “Mathematics and Its Impact on Natural Science” organized by Bangabasi Morning College on 11th and 12th September, 2015.

1. Name of the Department: GEOGRAPHY

2. Year of Establishment: Geography General Course started in the year 2014-2015.

3. Names of the 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

NIL

5. Annual / semester / choice based credit system (programme wise)

Annual

6. Participation of the department in the courses offered by other departments

NIL

7. Courses in collaboration with other Universities, industries, foreign institutions etc.

NIL

8. Details of courses / programmes discontinued (if any) with reasons: No

9. Number of Teaching Posts

Table No. 1

No. Teaching Posts	Sanctioned posts	Filled posts
--------------------	------------------	--------------

Professors	0	0
Associate Professors	0	0
Assistant Professor	0	0
College Contractual full-time teacher	1	1
College Contractual part-time teacher	1	1

10. Faculty Profile with name, qualification, designation, specialization (D.Sc. / D. Litt. / Ph.D. / M.Phil. etc.)

Table No. 2

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for the last four years
Aditi Das	M.Sc, B.Ed	College Contractual full-time teacher	Population Studies	1 year 4months	---
Ria Roy	M.sc	College Contractual part-time teacher	Tourism	1 year 4 months	----

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: N.A.

Table No. 3

13. Student-Teacher Ratio (Programme Wise):

Table No. 4

Session/Class	No. of Students Honours	No. of Students Pass	No. of Teachers	Student-Teacher Ratio	
				Hons .	Gen.
2015-16/B.Sc. Part I	0	8	02	N.A	4:1
2015-16/B.Sc. Part II	0	16	02	N.A	8:1
2015-16/B.Sc. Part III	0	0	0	N.A	N.A

14. Number of Academic Support Staff (technical) and administrative staff; sanctioned and filled :

Table No. 5

Post	Sanctioned	Filled
Academic Support Staff	0	0
Administrative Staff	0	0

15. Qualifications of teaching faculty with D.Sc. / D. Litt. / Ph.D. / M. Phil. / PG

Table No. 6

Highest Qualification	No. of Teaching Faculty (Existing)
DSC/ D.Litt.	NIL
Ph.D.	NIL
M. Phil.	NIL
P.G.	02

16. Number of Faculty with ongoing Projects from a) National b) International funding agencies and grants received

Table No. 7

Name of the	Title of the Project	Funding Agency	Period	Total Grant	Affiliation
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Principal Investigator					
NIL	NIL	NIL	NIL	NIL	NIL

Number of Projects successfully completed :

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre /facility recognized by the University: N.A.

19. Publications:

a) Publications per faculty

Publications	2008	2009	2010	2011	2012	2013	2014	2015	Total
Total Year wise publications of the Dept. without ISBN/ISSN									
No. of papers published in peer reviewed journals by faculty & students									
No. of publications published in International Database									
Monographs									
Chapter in books									
Books Edited									
Books with									

ISBN/ISSN									
Citation Index									
SINP									
Impact factor									
h-index									

***** For Full List of publications of the Faculty, See Annexure-1**

* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) -

* Monographs :

* Publications :

Papers Published (2007-2015)

Teacher Name:

Papers Accepted:

* Chapter in Books :

* Books Edited :

* Books with ISBN/ISSN numbers with details of publishers:

A. Edited Books : Nil

B. Reference Books : Nil

C. Seminar Attended & Participated

Sl. No.	Title of the Seminar	Name of Faculty	Year	International /National/State/ University / College	Funding Agency
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1.	Context and Culture in our Language Classrooms	Aditi Das	February 9, 2015	International	Bangabasi Morning College & American Centre
2.	Corporate Fraud and its Impacts on Indian Business Environment	Aditi Das	March 17, 2015	State Level	U.G.C.
3.	Environmental Impacts on Health: Towards a Better Future	Aditi Das	March 27-28, 2015	National	U.G.C.
4.	Water: A Threatened Social Resource of the Century	Aditi Das	2015	National	U.G.C.
5.	Critical Issues: Research Trends in Contemporary Geography.	Aditi Das	2011	National	U.G.C.
6.	Cyber Crime	Ria Roy	2015	Institutional level	I.Q.A.C. & Bangabasi Morning College
7.	Corporate Fraud and its Impacts on Indian Business Environment	Ria Roy	March 17, 2015	State Level	U.G.C.
8.	Environmental Impacts on Health: Towards a Better Future	Ria Roy	March 27-28, 2015	National	U.G.C.
9.	Water: A Threatened Social Resource of the Century	Ria Roy	2015	National	U.G.C.
10.	Cyber Crime	Ria Roy	2015	Institutional level	I.Q.A.C. & Bangabasi Morning College

20. Areas of consultancy and income generated: N.A.

21. Faculty as members in

Sl. No.	Faculty	Serving in(a) National Committees (b) International Committees (c) Editorial Board (d) any other
	Nil	Nil

22. Student projects: Nil

23. Awards/Recognitions received by faculty and students: Nil

24. List of eminent academicians and scientists / visitors to the department

Nil

25. Seminars/ Conferences/Workshops organized & the source of funding: NIL

26. Students profile programme /course wise:

Name of the Course/programme	Intake Capacity	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
B.A /B.Sc in Geography (General)	100	26	15	05	03	

*M = Male *F = Female

27. Diversity of Students:

Name of the Course	% of the students from the same state	% of the students from same state	% of the students from other states	% of the students from abroad
2015-2016	B.A. Part I(Gen)	100	0	0
2014-2015	B.A. Part-I(Gen)	100	0	0

Social profile of the students

Name of the course	General	S.C.	S.T.	O.B.C.	Minority
2015-2016 B.A. Part-I(Gen)	13	0	0	0	3
2015-2016 B.A. Part-II(Gen)	7	0	0	0	1

28. **How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?:** NA

29. **Student progression:**

Student progression	Against % enrolled
UG to PG	NA
PG to M. Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	Not known
Entrepreneurship/ Self-employment	Not known

30. Details of infrastructural facilities

a) **Library**— Important Books are available in the library for students and teachers.

b) **Internet Facilities for Staffs and Students :** The campus is covered by internet facility over Wi-fi.

c) **Class rooms with ICT facility Available:** NIL

31. **Number of students receiving financial assistance from college, university, government or other agencies:**

About 2% of the students get financial assistance from College as Free Studentship
BPL girl students are entitled to get KANYASHREE assistance from Govt. of West Bengal.
OBC-B minority students are entitled to get MINORITY scholarship from Govt. of West Bengal.
All Sc/ST students are entitled to get scholarship from Govt. of India.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

Geography General course has been started from this session (2014-2015). **Student enrichment programme is yet to be started.**

33. Teaching methods adopted to improve student learning-

- For better understanding, the students are very often demonstrated with diagrams and graphs .
- To supplement in learning process the students are often summoned to do board work .
- Students are encouraged to participate in group discussion.
- Power point presentations are also given to for explaining the topic.
- Different assignment works and home tasks are adopted for better result.

- Students are also taken for field survey.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Our College is serving the society through NCC and NSS wings.

35. SWOC analysis of the department and Future plans:

Strength

1. The Faculty members are very much student-friendly and very much conscious about constant updating their knowledge.
2. The department posses a laboratory for conducting practical classes
3. The faculty member are young and energetic.
4. Faculty members keeps on upgrading their knowledge.
5. Class assessment test and interaction with students to solve their problems.
6. We teach the students who come from backward areas and underprivileged classes.

Weakness

1. The departmental laboratory is in a different building so it is difficult for the students to move from one class to another.
2. Shortage of time span of our College is to be mentioned as shortcoming.
3. Insufficient fund sometimes resists the pace of development of our departmental activities.
4. Our Central Library cannot buy journals of national & international repute due to paucity of fund.
5. Inadequate number of computers for the use of students.

Opportunity

1. The department provides full support to the students in academic sphere.

Challenges

1. Our department is new so it is the greatest challenge to establish the department and popularize the subject among the students.

Future Plans:

- **An Audio-visual classroom is also one of the achievements to be fulfilled.**
- **Department will try to get fund to purchase illustrious maps and models to make the subject interesting.**
- **Internet facilities for the students to consult e-books.**
- **To open geography honours course in near future.**

1. Name of the Department: **HINDI**

2. Year of Establishment: Hindi General course started in the year 1965,
Hindi Honours course started in the session 2014-2015

3. Names of the 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

NIL

5. Annual / semester / choice based credit system (programme wise)

Annual

6. Participation of the department in the courses offered by other departments

NIL

7. Courses in collaboration with other Universities, industries, foreign institutions etc.

NIL

8. Details of courses / programmes discontinued (if any) with reasons:

No

9. Number of Teaching Posts

Table No. 1

No. Teaching Posts	Sanctioned posts	Filled posts
Professors	0	0
Associate Professors	01	01
Assistant Professor	0	0
Government Approved Part-time Teacher	01	01
Guest Lecturer	01	01

College Contractual Full-time Teacher	01	01
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10. Faculty Profile with name, qualification, designation, specialization (D.Sc. / D. Litt. / Ph.D. / M.Phil. etc.)

Table No. 2

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for the last four years
Dr. Asutosh Kumar	M. A.(Hindi), Ph.D	Associate Professor	Premchand	15 Years	-----
Piyush Kant Rai	M. A.(Hindi), M. Phil.	Govt. approved Part-time Teacher	Premchand	06 Years	-----
Ranjit Kumar	M.A.(Hindi), M.Phil.	College contractual	Premchand	01 Year	-----
Puja Gupta	M.A.(Hindi), M.Phil	Guest lecturer	Premchand	06 Months	-----

11. List of senior visiting faculty:

i) Prof. Rajshree shukla, Head of the Department Hindi, Calcutta University.

ii) Dr. Basumati Daga, Head of the Department Hindi, Bangabasi College.

iii) Dr. Itu Singh, Head, Department Of Hindi, Kidderpore College.

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Table No. 3

Name of the Temporary Faculty	Academic Session taught	Programme	Total No. of Classes per week	No. of Classes taken per Week	% of Lectures delivered
Puja Gupta	2014-2015	B.A. Part-I (Honours)	20	04	20

13. Student-Teacher Ratio (Programme Wise):

Table No. 4

Session/Class	No. of Students Honours	No. of Students Pass	No. of Teachers	Student-Teacher Ratio	
				Hons .	Gen.
2015-16/B.A. Part I	32	116	04	8:1	29:1
2015-16/B.A. Part II	12	43	04	3:1	11:1
2015-16/B.A. Part III	--	25	04	--	6:1

14. Number of Academic Support Staff (technical) and administrative staff;

sanctioned and filled :

Table No. 5

Post	Sanctioned	Filled
Academic Support Staff	0	0
Administrative Staff	0	0

15. Qualifications of teaching faculty with D.Sc. / D. Litt. / Ph.D. / M. Phil. / PG

Table No. 6

Highest Qualification	No. of Teaching Faculty (Existing)
DSC/ D.Litt.	NIL
Ph.D.	01

M. Phil.	03
P.G.	04

16. Number of Faculty with ongoing Projects from a) National b) International funding agencies and grants received : NIL

Table No. 7

Name of the Principal Investigator	Title of the Project	Funding Agency	Period	Total Grant	Affiliation
NIL	NIL	NIL	NIL	NIL	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:

N.A.

19. Publications:

a) Publications per faculty (see in annexure)

Publications	2008	2009	2010	2011	2012	2013	2014	2015	Total
Total Year wise publications of the Dept. without ISBN/ISSN									
No. of papers published in peer reviewed journals by faculty &				01			01		02

students									
No.of publications published in International Database									
Monographs									
Chapter in books			01	01		01	01		04
Books Edited									
Books with ISBN/ISSN					01	02	01		04
Citation Index									
SINP									
Impact factor									
h-index									

Contribution in a Book Chapter by Piyush Kant Rai :

An article (title- “kasi ka assi: samay se samvad”)is published in book (title- “ 21win sadi ke sahityik vimarsh” , edited by Dr. Vishnu Dev Mallick)-year- 2013, ISBN NO- 978-93-81317-87-7

Contribution in a Book Chapter by Ranjit Kumar :

- i) An article (title- “ Derozio aur Hindi Kavi”)is published in book (title- “ Bharatiya nawjagran ke agradoot Derozio” , edited by Dr. Tanuja Majumdar)-year- 2011, ISBN NO- 978-81-9009139-7-3
- ii) An article (title- “Asahyog andolan aur Sharatchandra Chatterjee”)is published in book (title- “ Asahyog Andolan: Uttarpurvanchaliya, Purvanchaliya, Hindi aur Urdu Sahitya ” , edited by Dr. Tanuja Majumdar)-year- 2010, ISBN NO- 978-93-81317-87-7

***** For Full List of publications of the Faculty, See Annexure-1**

* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) -

* Monographs :

* Publications :

Papers Published (2007-2015): Please see Annexure - I

Teacher Name:

Papers Accepted:

* Chapter in Books :

* Books Edited :

* Books with ISBN/ISSN numbers with details of publishers:

A. Edited Books :

Sl. No. & Name	Title with page nos.	Type of Book	Publisher & ISSN / ISBN No.

A.1. Previous Edited Books :

Sl. No. & Name	Title with page nos.	Type of Book	Publisher & ISSN / ISBN No.

B. Reference Books

Sl. No. & Name	Title with page nos.	Type of Book & Authorship	Publisher & ISSN / ISBN No.

C. Seminar Attended & Participated

				International	
--	--	--	--	---------------	--

Sl. No.	Title of the Seminar	Name of Faculty	Year	/National/State/ University / College	Funding Agency
1.	Corporate Fraud and its Impacts on Indian Business Environment	Dr. Asutosh Kumar	March 17, 2015	State Level	U.G.C.
2.	Contemporary Tribal Literature	Dr. Asutosh Kumar	March 30, 2015	National Level	U.G.C.
3.	Nai sadi ka stri shahitya: Samay Aur Kanun	Dr. Asutosh Kumar	April 03,2015	State level	Sahityiki
4.	Revision of The syllabi	Dr. Asutosh Kumar	January 11,2009	State Level	U.G. Board, Dept.of Hindi, C.U
5.	Samkalin Hindi Katha Sahitya Me Navonmesh	Dr. Asutosh Kumar	December 11 & 12,2009	State level	W.B.S.U Barasat
6.	Question Pattern, Testing and Evaluation	Dr. Asutosh Kumar	December 20&21, 2010	State level	C.U.,Kolkata & N.T.S-CIIL, Mysore.
7.	Mathematics and Computer Science an Interface	Dr. Asutosh Kumar	March 13, 2009	State level	U.G.C.
8.	Hindi Sahitya Ka Itihas: Punarlekhan Ki Samsayayen	Dr. Asutosh Kumar	March 5, 2009	State Level	C.U.
9.	Bengali And Hindi Literature : A Comparative Study	Dr. Asutosh Kumar	May 12&13, 2008	State Level	Scottish Church College
10.	Impact Of Non-Co-operation Movement on North Eastern, Eastern: Hindi And Urdu Literature	Dr. Asutosh Kumar	February 6&8, 2008	National Level	

11.	Nayi Sadi Ki Stri : Samaj Aur Kanoon (Paper Presented)	Piyush Kant Rai	April 3, 2005	State Level	Sahitiyiki
12.	Stri Vimarsh Aur Aadhunikata (Paper Presented)	Piyush Kant Rai	March 31,2015	National Level	W.B.S.C.H.E.
13.	Contemporary Tribal Literature (Paper Presented)	Piyush Kant Rai	March 30,2015	National Level	U.G.C.
14.	Corporate Fraud and its Impacts on Indian Business Environment (Participated)	Piyush Kant Rai	March 17, 2015	State Level	U.G.C.
15.	Dialect And Identity Crisis(Paper Presented)	Piyush Kant Rai	February 23 &24, 2015	National Level	Dept. Of Hindi (Presidency University) & CIIL, Mysore
16.	Contemporary Indian Poetry (Participated)	Piyush Kant Rai	December 24, 2014	National Level	Dept. Of Hindi (Presidency University)
17.	Voice Of The Voiceless : Indian Dalit Literature (Paper Presented)	Piyush Kant Rai	December 19&20, 2014	National Level	U.G.C.
18.	Saundrya Ki Sanskriti Aur Bazarvad (Paper Presented)	Piyush Kant Rai	September 23, 2014	National Level	Ministry Of Culture, Govt. Of India
19.	Dr. Ramvilas Sharma ; Srijan Sanvad (Participated)	Piyush Kant Rai	March 2 & 3, 2012	National Level	U.G.C.

20.	Globalization And Literature (Participated)	Piyush Kant Rai	January 11&12, 2012	International Level	Presidency University & Gandhi Center For North Eastern Languages
21.	Nagarjun : Kala Aur Vichardhara (Paper Presented)	Piyush Kant Rai	November 21, 2011	National Level	U.G.C.
22.	Sampradayikata Aur Samajik Awamulyan Ke Daur Mein Bhishma Sahani, Habib Tanveer Aur Safdar Hashmi Ke Natakon Ka Auchitya (Participated)	Piyush Kant Rai	September 13 & 14, 2011	National Level	U.G.C.
23.	Hindi Sahitya Mein Mahila Lekhan (Paper Presented)	Piyush Kant Rai	September 10 & 11, 2011	National Level	ICSSR-ERC
24.	Eksavin Sadi Ke Hindi Sahitya Mein Yug Chetna (Paper Presented)	Piyush Kant Rai	September 10 & 11, 2011	National Level	U.G.C.
25.	Are Yayawar Rahega Yaad (Paper Presented)	Piyush Kant Rai	February 24&25, 2011	National Level	U.G.C.
26.	Aadhunikata O Rabindranath (Participated)	Piyush Kant Rai	January 20&21, 2011	National Level	U.G.C.
27.	Question Pattern, Testing And Evaluation (Participated)	Piyush Kant Rai	December 20&21, 2011	State Level	U. G. Board Of Studies Of Hindi Department (University Of Calcutta) & CIIL,

					Mysore
28.	Impact Of Partition Of India On The Literature Of Indian Sub-Continent (Participated)	Piyush Kant Rai	September 16,17&18, 2010	International Level	GSDS, New Delhi
29.	Modern Translation Studies : Aspects, Relevance And Problems (Participate)	Piyush Kant Rai	January 12, 2010	State Level	U.G.C.
30.	Revision Of The Syllabi (Participated)	Piyush Kant Rai	November 17, 2009	State Level	U.G. Board Of Studies Of Hindi Department (University Of Calcutta)
31.	Impact Of Partition Of India On The Literature Of Indian Sub-Continent	Ranjit Kumar	September 16,17&18, 2010	International Level	GSDS,New Delhi
32.	Globalization And Literature (Participated)	Ranjit Kumar	January 11&12, 2012	International Level	Presidency University & Gandhi Center For North Eastern Languages
32.	The Relevance Of Hind Swaraj	Ranjit Kumar	October 2, 2010	National Level	Presidency University
33.	Samkaleen Hindi Kahaniyon Mein Samaj	Puja Gupta	September 1, 2015	National Level	Department of Hindi (University)

	(Participated)				Of Calcutta)
34.	Nayi Sadi Ki Stri : Sahitya Aur Samaj (Paper Presented)	Puja Gupta	April 3, 2015	State Level	Sahityiki
35.	Stri Vimarsh Aur Aadhunikta (Participated)	Puja Gupta	March 31, 2015	National Level	W.B.S.C.H.E.
36.	Dialect And Identity Crisis	Puja Gupta	Februrary, 24, 2015	National Level	Dept. Of Hindi (Presidency University) & CIIL, Mysore
37.	Saundrya Ki Sanskriti Aur Bazarvad (Paper Presented)	Puja Gupta	September 23, 2014	National Level	Ministry Of Culture, Govt. Of India
38.	Voice Of The Voiceless : Indian Dalit Literature (Paper Presented)	Puja Gupta	December 19&20, 2014	National Level	U.G.C.
39.	Mahadevi Ki Chintaon Mein Stri (Paper Presented)	Puja Gupta	April 27, 2013	National Level	Ministry Of Culture, Govt. Of India

20. Areas of consultancy and income generated: NIL

21. Faculty as members in

Sl. No.	Faculty	Serving in(a)National Commiitees (b) International Committees (c) Editorial Board (d) any other
1.	Piyush Kant Rai	1. Sahitya Mantri Of Bangiya Hindi Parishad,Kolkata. 2. Member Of Editorial Board of Janbharti (Literary Magazine).

2.	Ranjit Kumar	<ol style="list-style-type: none"> 1. Joint Secretary of Bangiya Hindi Parishad. 2. Member of editorial board of 'Janbharati' (Literary Magazine).
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22. Student projects:

23. Awards/Recognitions received by faculty and students:

A. Piyush Kant Rai:

- Gold Medal for attaining first position in M.A. from the University Of Calcutta.
- An award under the National Merit Scholarship Scheme of the Government Of India for B.A. examination.

B. Ranjit Kumar

- Gold Medal for attaining first position in M.A. from the University Of Calcutta.

24. List of eminent academicians and scientists / visitors to the department

1.	Prof. Shanbhunath Shaw, Ex-Director, Kendriya Hindi Sansthan, Agra
2.	Prof. Ved Raman Pandey, Department Of Hindi, Presidency University

25. Seminars/ Conferences/Workshops organized & the source of funding:

Sl.No.	Seminar/Workshop	Date	Source of Funding
1.	Hindi Divas	September 14, 2015	Bangabasi Morning College

26. Students profile programme /course wise:

Session	Name of the	Intake	Applicati	Select	Enrolle	Pass
					d	percenta

	Course/programme	Capacity	Students received	*M	*F	Age	
2015-2016	B. A. Part – I Hons	50	46	31	18	13	-----
2014-2015	B. A. Part – I Hons	20	150	10	04	06	67

*M = Male *F = Female

27. Diversity of Students:

Session	Name of the Course	% of the students from the same state	% of the students from other states	% of the students from abroad
2015-2016	B. A. Part – I Hons	100	0	0
2015-2016	B. A. Part – I Gen	100	0	0
2014-2015	B. A. Part – I Hons	100	0	0
2014-2015	B. A. Part – I Gen	100	0	0
2013-2014	B. A. Part – I Gen	100	0	0
2012-2013	B. A. Part – I Hons	100	0	0
2011-2012	B. A. Part – I Gen	100	0	0

Social profile of the students

Session	Name of the course	General	S.C.	S.T.	O.B.C.	Minority
2015-2016	B. A. Part – I Hons	29	02	00	00	01
2014-2015	B. A. Part – I Hons	09	00	00	00	01

28. How many students have cleared national and state competitive examinations

such as NET, SLET, GATE, Civil services, Defense services, etc.?: NA

29. Student progression:

Student progression	Against % enrolled
UG to PG	NA
PG to M. Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	Not known
Entrepreneurship/ Self-employment	Not known

30. Details of infrastructural facilities

a) Library—There is a separate Honours library for the Honours students having a capacity of two thousand books and there is a central library for the pass students having a capacity of one thousand books.

b) Internet Facilities for Staffs and Students: Possesses Internet Facility for Staff and students.

c) Class rooms with ICT facility Available: NIL

31. Number of students receiving financial assistance from college, university, government or other agencies:

About 2% of the students get from College (as Free studentship),

All the BPL girl students get KANYASREE fellowship from Govt. of West Bengal.

BPL Minority students get assistance from Minority Fund of Govt. of West Bengal.

All SC students generally get stipend from Central Govt.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

- In classroom teaching continuous assessment of students is done by various means

like group discussion, question answer technique, quiz contest, tutorials and assignment work, homework technique.

- Unit Tests, Class Tests and Selection Tests are taken regularly so as to students learn fruitfully.
- Seminar talks are often arranged in which students participate enthusiastically.
- Experienced retired teachers are invited to share their teaching experiences with the current students.

33. Teaching methods adopted to improve student learning-

- Students are encouraged to participate in group discussion.
- Different assignment works and home task are adopted for better result.
- Power point presentation are used for teaching-learning process.
- To supplement in learning process the students are often summoned to do board work.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

35. SWOC analysis of the department and Future plans:

Strength

1. The Faculty members are very much student-friendly and very much conscious about constant updating their knowledge.
2. The faculty member are young and energetic.
3. Faculty members keeps on upgrading their knowledge.
4. Class assessment test and interaction with students to solve their problems.
5. We teach the students who come from backward areas and underprivileged classes.
6. Interactive teaching learning sessions are held.
7. Combined classes with Urdu department to enrich their literature and language interest.

Weakness

1. Shortage of teaching staff is one of the major weaknesses.
2. Another serious and long lasting problem is the space problem.
3. Insufficient fund sometimes resists the pace of development of our departmental activities.
4. Our Central Library cannot buy journals of national & international repute due to paucity of fund.
5. Overlapping classes with the Bangabasi College hampers the classes as well as different programmes of the Department.

Opportunity

- Guidance for NET, TET,SSC, Hindi Officer and Translator and other competitive exams.
- Workshop for Creative- writing and recitation.
- Coordinative seminar with literary organizations of Kolkata.
- Professors and intellectuals could be hired for government and college sponsored projects.

Challenges

- After the emergence of technical and management program student's interest in literature has been declined. We improve their interest in literature by organizing workshop to improve their creativity and career knowledge.
- To popularize literary sense and culture among the students is a challenge to us.

Future Plans:

- We hope to start P.G course in near future .
- We hope to improve teaching-learning infrastructure to make learning more attractive.
- We also hope for increasing teacher-student ratio in near future.
- Internet facilities for the students to consult e-books.

***Annexure – I

LIST OF PUBLICATIONS :

Teacher Name: RANJIT KUMAR

PUBLICATION OF RESEARCH PAPERS: -

Research papers published in Magazines

i) Bharatiya Sahitya ke Nirman men Tulnatamak Adhyayan ki Bhumika (The Role of Comparative Literature in Functioning Indian Literature) – Dishabodh- shodh-patrika (Research Journal , ank-4) - Hindi department Presidency University , Kolkata in 2009.

Research papers published in Books

i) Derozio aur Hindi Kavi (Drozio and Hindi Poets) bharatiya Nawjagran ke Agradoot : Derozio -
- Editor Dr. tanuja Majumdar , published by Gandhi Centre for North-Eastern Languages,
Bengali, Santhali and Hindi, Presidency University Kolkata in 2011.

ii) Asahyog Andolan Aur Sharatchandra Chaterjee - Asahyog andolan : Uttarpurvanchaliya,
Purvanchaliya , Hindi tatha Urdu sahitya , edited by Dr. Tanuja Majumdar , published by -
Gandhi Centre for North-Eastern Languages, Bengali, Santhali and Hindi, Presidency University
Kolkata in 2010.

(III) Hindi Alochana ka vaishvik Sandarbh aur Dr. Ramvilash Sharma – Rashtriyata, Sahitya ,
Sanskriti aur Ramvilas Sharma.- Editor , Dr. Lalit Kumar Jha , Piblishaed by Lalbaba College,
Kolkata in 2013.

(IV) Hindi Cinema – Bhumandalikaran aur Hindi Cinema – Editor – Dr. Himanshu Kumar in 2014.

INTERVIEW

one interview of renowned scholar, novelist, dramatist and famous scriptwriter of television
serials and films, **Dr. Asghar Wajahat**, (Professor & Head of Hindi Department, Jamia Milia
Islamia College, Delhi) – published in Research Journal “Dishabodh” ank-5, Editor- Dr. Tanuja
Majumdar, published by Hindi Department, Presidency University, Kolkata in 2010.

Essays published in Magazines / News Papers

I) “Aur isi ke sath kuchh aur bhi tuta hai ...” – Pustak – Samiksha (Book Review)- “UPYATRA”
(Novel by Md. Arif)- published in Research Journal – Dishabodh- ank 5, Editor- Dr. Tanuja
Majumdar, published by Hindi Department, Presidency University, Kolkata in 2010.

ii) Prasad aur Karl Marx – Published in Weekly News Paper – “HinduKal”

III) Rashtra Kavi Dinkar aur unka vyangya -- Published in Weekly News Paper – “HinduKal”

IV) Abhivyakti ki Azadi Aur Swatantra Lekhan Ka Sawal - Published in Weekly News Paper –
“HinduKal”

(V) Shiksha ka korporetikaran aura am aadami ka bhavishya (Corporatization of education and
the future of the people) -- Published in Weekly News Paper – “HinduKal”

(VI) kejarawal aur bharatiya rajniti (Kejarawal and Indian politics)

-- Published in Weekly News Paper – “HinduKal”

PUBLICATION OF BOOKS: -

(i) HINDI KAHANI AUR NIBANDH : EK NAVIN DRISHTIKON

(ii) SAMPRADAYIKATA SAMBANDHI HINDI KE CHAAR UPANYAS

EDITING

NEWS EDITOR OF WEEKLY NEWS PAPER “*HINDUKAL*” FROM JANUARY 2012 TO JANUARY 2014 .

1. Name of the Department: HISTORY

**2. Year of Establishment: History General course started in the year 1965,
History Honours course started in the session 2012-2013**

3. Names of the 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

NIL

5. Annual / semester / choice based credit system (programme wise)

Annual

6. Participation of the department in the courses offered by other departments

NIL

7. Courses in collaboration with other Universities, industries, foreign institutions etc.

NIL

8. Details of courses / programmes discontinued (if any) with reasons: No

9. Number of Teaching Posts

Table No. 1

No. Teaching Posts	Sanctioned posts	Filled posts
Professors	N.A.	N.A.
Associate Professors	01	00
Assistant Professor	01	01
Part Time Teacher	00	00
Full Time Contractual	02	02
Guest Lecturer	01	01

10. Faculty Profile with name, qualification, designation, specialization (D.Sc. / D. Litt / Ph.D. / M.Phil. etc.)

Table No. 2

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for the last four years
Sri Debashish Chowdhury	M.A.(Modern History)	Assistant Professor	Peasant Struggles	16 Years	-----
Sri Saptarshi Chakraborty	M.A. ,M.Phil	Full Time Contractual	Early Medieval History	03 Years	-----
Smt. Sweta Dey	M.A., M.Phil., B.Ed.	Full Time Contractual	History of Education	03 Years	-----
Dr. Tikendranath Sarkar	Ph. D.	Guest Lecturer	U.S.A.	01 Year	-----

11. List of senior visiting faculty: Prof. Ranjan Chakraborty, Ex-Head of the Department History, J.U., V.C., Vidyasagar University, West Bengal

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Table No. 3

Name of the Temporary Faculty	Academic Session taught	Programme	Total No. of Classes per week	No. of Classes taken per Week	% of Lectures delivered
Dr. Tikendranath Sarker	2014-2015	B.A. Part-I,II,III (Honours)	10	10	20

Dr. Tikendranath Sarker	2014-2015	B.A. Part-I,II,III (General)	05	05	15
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13. Student-Teacher Ratio (Programme Wise):

Table No. 4

Session/Class	No. of Students Honours	No. of Students Pass	No. of Teachers	Student-Teacher Ratio	
				Hons .	Gen.
2015-16/B.A. Part I	26	530	04	7:1	133:1
2015-16/B.A. Part II	10	320	04	3:1	80:1
2015-16/B.A. Part III	02	170	04	1:2	43:1

14. Number of Academic Support Staff (technical) and administrative staff; sanctioned and filled :

Table No. 5

Post	Sanctioned	Filled
Academic Support Staff	N.A.	N.A.
Administrative Staff	N.A.	N.A.

15. Qualifications of teaching faculty with D.Sc. / D. Litt. / Ph.D. / M. Phil. / PG

Table No. 6

Highest Qualification	No. of Teaching Faculty (Existing)
DSC/ D.Litt.	NIL
Ph.D.	01
M. Phil.	02
P.G.	01

16. Number of Faculty with ongoing Projects from a) National b) International funding agencies and grants received

Table No. 7

Name of the Principal Investigator	Title of the Project	Funding Agency	Period	Total Grant	Affiliation
NIL	NIL	NIL	NIL	NIL	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: N.A.

19. Publications:

a) Publications per faculty

Publications	2008	2009	2010	2011	2012	2013	2014	2015	Total
Total Year wise publications of the Dept. without ISBN/ISSN									
No. of papers published in peer reviewed journals by faculty & students	01	00	00	00	01	01	00	00	03

No.of publications published in International Database									
Monographs									
Chapter in books									
Books Edited									
Books with ISBN/ISSN									
Citation Index									
SINP									
Impact factor									
h-index									

***** For Full List of publications of the Faculty, See Annexure-1**

* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) -

* Monographs :

* Publications :

Papers Published (2007-2015)

Teacher Name:

Papers Accepted:

* Chapter in Books :

* Books Edited :

* Books with ISBN/ISSN numbers with details of publishers:

A. Edited Books :

Sl. No. & Name	Title with page nos.	Type of Book	Publisher & ISSN / ISBN No.
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A.1. Previous Edited Books :

Sl. No. & Name	Title with page nos.	Type of Book	Publisher & ISSN / ISBN No.

B. Reference Books

Sl. No. & Name	Title with page nos.	Type of Book & Authorship	Publisher & ISSN / ISBN No.

C. Seminar Attended & Participated

Sl. No.	Title of the Seminar	Name of Faculty	Year	International /National/State/ University / College	Funding Agency
1.	Context and Culture in our Language Classrooms	History Deptt. Except Guest Faculty	February 9, 2015	International	Bangabasi Morning College & American Centre
2.	Corporate Fraud and its Impacts on Indian Business Environment	History Deptt. Except Guest Faculty	March 17, 2015	State Level	U.G.C.

3.	Environmental Impacts on Health: Towards a Better Future	History Deptt. Except Guest Faculty	March 27-28, 2015	National	U.G.C.
4.	Cyber Crime	History Deptt. Except Guest Faculty	September 16, 2015	Institutional Level	I.Q.A.C., Bangabasi Morning College
5.	Int. Conf. on Positron Annihilation (ICPA-15), Kolkata.	History Deptt. Except Guest Faculty	January 18-23, 2009	International	DST, SINP
6.	Mathematics and its impact on natural sciences, Kolkata	History Deptt. Except Guest Faculty	September 11-12, 2015	National	UGC
7.	Women's Education in India: Past Predicaments and Future Possibilities	Sweta Dey (Presented & Participated)	September 23-24, 2015	National	UGC
8.	Empowerment of Women: Some Issues, Challenges and Debates; 20 th -21 st century	Sweta Dey (Presented & Participated)	November, 11, 2014	State Level	UGC
9.	Paschimbanga Itihas Samsad	Sweta Dey (Presented & Participated)	January, 24-26, 2013	State Level	Private
10	Paschimbanga Itihas Samsad	Sweta Dey (Presented & Participated)	January, 24-26, 2012	State Level	Private
11	Research Scholars' Seminar organized by the <i>Institute of Historical Studies</i> on 09.06.2012	Sweta Dey (Presented & Participated)	July, 9, 2012	Institutional	Private

12	Paschimbanga Itihas Samsad	Sweta Dey (Presented & Participated)	January, 24-26, 2011	State Level	Private
13	Paschimbanga Itihas Samsad	Sweta Dey (Presented & Participated)	January, 24-26, 2010	State Level	Private
14	Paschimbanga Itihas Samsad	Sweta Dey (Presented & Participated)	January, 24-26, 2009	State Level	Private
15	Swami Vivekananda – Some reflections	Saptarshi Chakraborty (Participated)	2013	University of Calcutta	
16	Revolutionary Nationalism in Punjab	Saptarshi Chakraborty (Participated)	2014	University of Calcutta	

20. Areas of consultancy and income generated:

21. Faculty as members in

Sl. No.	Faculty	Serving in(a) National Committees (b) International Committees (c) Editorial Board (d) any other

22. Student projects: Museology with General Part III and Honours

23. Awards/Recognitions received by faculty and students:

24. List of eminent academicians and scientists / visitors to the department

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25. Seminars/ Conferences/Workshops organized & the source of funding: NIL

Sl.No.	Seminar/Workshop	Date	Source of Funding

26. Students profile programme /course wise:

Name of the Course/programme	Intake Capacity	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
B.A. part I History Hons 2015-2016	50	26	12	6	6	-----
B.A. part I History Hons 2014-2015	30	201	30	18	12	39
B.A. part I History Hons 2013-2014	30	100	12	4	8	17

*M = Male *F = Female

27. Diversity of Students:

Name of the Course	% of the students from the same state	% of the students from other states	% of the students from abroad
B.A. General	80	20	Nil
B.A. Honours	100	00	Nil

Social profile of the students

	Name of the course	General	S.C.	S.T.	O.B.C.	Minority*
2014-2015	B.A. Honours	15	09	01	05	05
	B.A. General	295	191	50	350	425
2015-2016	B.A. Honours	19	09	02	08	10

	B.A. General	420	225	55	380	455
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* N.B. Minority and O.B.C. overlap because O.B.C. 2 is Minority student.

such as NET, SLET, GATE, Civil services, Defense services, etc.?: NA

29. Student progression:

Student progression	Against % enrolled
UG to PG	NA
PG to M. Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	Not known
Entrepreneurship/ Self-employment	60

30. Details of infrastructural facilities

a) **Library**—Possesses good Library with additional Honours Library Facility

b) **Internet Facilities for Staffs and Students:** Possesses Internet Facility for Staff.

c) **Class rooms with ICT facility Available:** Yes

(History Department possesses an Overhead Projector and a LCD Projector which are used both for teaching and Seminar purposes.)

31. **Number of students receiving financial assistance from college, university, government or other agencies:**

32. **Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:**

33. Teaching methods adopted to improve student learning-

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

35. SWOC analysis of the department and Future plans:

Strength	Weakness
<ol style="list-style-type: none">1. The Department of History have highly qualified, energetic, efficient and young faculty members.2. All the Faculty members are very much student-friendly and most of them are engaged in research activities.3. One of us (Dr. Sandeep Sinha, Principal) has a wide experience of research in India as well as in abroad collaborating with different distinguished historians.4. Our department has a special departmental library to assist the honours students.5. The teacher student ratio in honours class is very low and we can easily interact to the students in individual.6. We evaluate the honours students in every month, therefore we can judge and evaluate their regular progress.	<ol style="list-style-type: none">1. Shortage of teaching staff is one of the major weaknesses. To run a three year general and honours course.2. Another long felt problem is the space problem.3. Shortage of time span of our College is to be mentioned as shortcoming.4. Insufficient fund sometimes resists the pace of development of our departmental activities.5. Our Central Library can not buy journals of national & international repute due to pauc

Opportunity

Without knowing the past we cannot build our future; History therefore helps in building the character and research abilities of the students.

Challenges

The general class is too huge and its indeed a challenge to teach in such a huge class without microphone.

Future Plans:

1. Up gradation of Departmental and central Library
2. The department needs audio-visual enhanced classes
3. The department needs Microphone for the general classes
4. The department will perform better having some maps and charts .
5. The department will interact with the students more closely if excursions and general surveys to the historical places.

***Annexure - I

Teacher Name:

LIST OF PUBLICATIONS :

Teacher's Name: Sweta Dey

1. “Women’s Education and Empowerment in the 20th Century Bengal: The Response of Bethune College Students” in “*Empowerment of Women: Some Issues, Challenges and Debates; 20th and 21st Century*”, edited by Dr. Rajyasri Neogy and Shreyashi Sarkar, K. K. Das College, in collaboration with The Elegant Publications, Kolkata, 19th May, 2015, pp. 224-230.
2. “Situating Bethune School in the Early Debates on Formal Women’s Education in Colonial Bengal” in *EDULIGHT*, Vol. 3, Issue. 6, November, 2014, pp. 93-98.
3. “Fire Dekha Bethune” in “*In Retrospect*”, Bethune College Publication, Kolkata June, 2012, pp. 133-134
4. “Sikhya banam Rajniti: Ouponibeshik Juge Bethune Colleger Meyera” in *Itihas Anusandhan-27*, Paschim Banga Itihas Samsad, Kolkata, 2013, pp. 1025-1031.
5. “Narisiksha. Ebong Sarbo Bharatiya Nari Adhibeshon”, in *Itihas Anusandhan-23*, Paschim Banga Itihas Samsad, , Kolkata, 2009, pp. 788.

Teacher Name: Saptarshi Chakraborty

Research publication entitled ‘ Swami Vivekananda : The voice of a True Sociologist on Human Rights’ published in ‘The Rite of Wrongs : Human Rights in India (2013) ed by Dr. Ajanata Paul (conceptualized & sponsored by Women Christian College) , ISBN 978-93-80761-33-6

DR. TIKENDRA NATH SARKER

M.A. (History) Ph.D

RESEARCH WORK AND PUBLICATION

Type of Publication or Research Work	ISBN / ISSN Number	NAME OF THE PUBLISHER / BOOK CHAPTER / JOURNAL OR ORGANIZER OF SEMINER	STATUS OF PUBLICATION OF THE BOOK / JOURNAL / SEMINAR / INTERNATIONAL / NATIONAL / STATE	TITLE OF THE BOOK OR JOURNAL	YEAR OF PUBLICATION
1. Paper in a Journal		Paschim Banga Itihas Samsad	Seminar - National	Bharate Missionary Karjakalap Mother Teresa Ekti-Samikha	2007
2. Paper in a Journal		Corpus Research Institute	Seminar - National	Siksha, Bigyan O Samaj Sanskare Felix Carey	2011
3. Paper in a Journal		Corpus Research Institute	Seminar - National	Chikitsa Bigyane Felix Carey	2012
4. Paper in a Journal		Paschim Banga Itihas Samsad	Seminar - National	Bangla Sahitye Felix Carey	2014
5. Paper in a Journal		Paschim Banga Itihas Samsad	Seminar - National	Banglar Chikitsa O Samaj Sanskare Felix Carey	2015
6. Book		Ila Publication	National	Felix Carey as a Missionary In Bengal (1786-1822)	2015
7. Book		Ila Publication	National	Itihaser Alope Felix Carey	2015
8. Paper in a Journal		Bangladesh Itihas Samity	International	Felix Careyr Jibane Chattagramer Probbab	2015

1. Name of the Department: MATHEMATICS

2. Year of Establishment: Mathematics General course started from the year 1965,
Mathematics Honours course started from the year 1966-67

3. Names of the Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D. etc.) :

UG(General, Honours)- University of Calcutta
PG(Applied Mathematics)-Vidyasagar University (Distance)

4. Names of Interdisciplinary courses and the departments / units involved

NIL

5. Annual / semester / choice based credit system (programme wise)

Annual

6. Participation of the department in the courses offered by other departments:

1. B.Com(General+Honours)-1st Year
2. B.Com (Honours)- 3rd Year
3. B.Sc (General)- 1st, 2nd, 3rd Year

7. Courses in collaboration with other Universities, industries, foreign institutions etc.

NIL

8. Details of courses / programmes discontinued (if any) with reasons: No

9. Number of Teaching Posts

Table No. 1

No. Teaching Posts	Sanctioned posts	Filled posts
Professors	N.A.	N.A.
Associate Professors	-	02
Assistant Professor	04	02

Part Time Teacher	00	00
Guest Lecturer	00	00

10. Faculty Profile with name, qualification, designation, specialization (D.Sc. / D. Litt / Ph.D. / M.Phil. etc.)

Table No. 2

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for the last four years
Dr. Sujata Sinha	M. A (Applied Mathematics.) Ph.D.	Associate Professor	Automata Theory, Fluid Dynamics	31 Years 4 month	-----
Sri Partha Bhattacharyaa	M. Sc. (Applied Mathematics) Ph.D. (Sc.)	Associate Professor	Quantum Mechanics	16 Years	-----
Sri Prithwiraj Halder	M. Sc. (Pure Mathematics.)	Assistant Professor	Topology, Functional Analysis	5 Years 9 Month	-----
Sri Bikash Chandra Mondal	M. Sc (Applied Mathematics), B.Ed	Assistant Professor	Fluid Mechanics	5 Years 8 Month	-----

11. List of senior visiting faculty: Dr. Sushama Pradhan, Ex-Head of the Department Mathematics, Rammohan College.

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty.

No Temporary Faculty

13. Student-Teacher Ratio (Programme Wise):

Table No. 4

Session	No. of Students Honours	No. of Students Pass	No. of Teachers	Student-Teacher Ratio Hons:
2011 1 st year	46	42	4	11:1
-2012 2 nd year	30	27	4	7:1
3 rd year	22	20	4	5:1
2012 1 st year	70	60	4	17:1
-2013 2 nd year	27	24	4	7:1
3 rd year	25	24	4	6:1
2013 1 st year	42	37	4	10:1
-2014 2 nd year	26	22	4	6:1
3 rd year	25	23	4	6:1
2014 1 st year	56	45	4	14:1
-2015 2 nd year	47	32	4	12:1
3 rd year	33	30	4	8:1
2015 1 st year	104	85	4	21:1
-2016 2 nd year	48	38	4	12:1
3 rd year	39	38	4	10:1

14. Number of Academic Support Staff (technical) and administrative staff; sanctioned and filled :

Not Applicable

15. Qualifications of teaching faculty with D.Sc. / D. Litt. / Ph.D. / M. Phil. / PG

Table No. 6

Highest Qualification	No. of Teaching Faculty (Existing)
DSC/ D.Litt.	NIL
Ph.D.	01
M. Phil.	01

P.G.

02

16. Number of Faculty with ongoing Projects from a) National b) International funding agencies and grants received

Table No. 7

Name of the Principal Investigator	Title of the Project	Funding Agency	Period	Total Grant	Affiliation
NIL	NIL	NIL	NIL	NIL	NIL

Number of Projects successfully completed :

A. Dr. Sujata Sinha successfully completed two Research Projects Sponsored by UGC.

- i) The first entitled “ Mathematical Method Associated with Water Wave Generation Problems” 2006-08.**
- ii) The second “Scattering of Surface Waves by small Undulation” 2012-14.**

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre /facility recognized by the University: N.A.

19. Publications:

a) Publications per faculty

Publications	2008	2009	2010	2011	2012	2013	2014	2015	Total
Total Year wise publications of the Dept. without ISBN/ISSN									

No. of papers published in peer reviewed journals by faculty & students		01	02					01	4
No. of publications published in International Database									
Monographs									
Chapter in books									
Books Edited									
Books with ISBN/ISSN			02	01	03	02	02		10
Citation Index									
SINP									
Impact factor									
h-index									

*** For Full List of publications, Presentation, Seminar attended and other academic Activity of all the Faculty of the department please see Annexure - I

A. Edited Books :

Sl. No. & Name	Title with page nos.	Type of Book	Publisher & ISSN / ISBN No.
1. Dr. Sujata Sinha	Proceedings on "Mathematics and Computer Science an Interface"	Reference	Academic Publishers, ISBN – 978-93-80599-06-9

B. Reference Books: See Annexure 1

Sl. No. & Name	Title with page nos.	Type of Book & Authorship	Publisher & ISSN / ISBN No.
Dr. Sujata Sinha			

20. Areas of consultancy and income generated:

21. Faculty as members in

Sl. No.	Faculty	Serving in(a) National Committees (b) International Committees (c) Editorial Board (d) any other
1	Dr. Sujata Sinha	1. Life member of Indian Science Congress 2. Life member of Indian Institute of Theoretical Physics 3. Life Member of Indian Society of Non-Linear Analysis 4. Life Member of Calcutta Mathematical Society 5. Board of Studies of Netaji Subhas Open University(Executive Member)
2.	Sri Partha Bhattacharya	Life member of Indian Association of Cultivation of Science, Jadavpur

22. Student projects:

Not Applicable

23. Awards/Recognitions received by faculty and students:

A. Dr. Sujata Sinha received

1. JRF(UGC) Fellowship sponsored by UGC
2. National Scholarship (H.S), Govt of India
3. Silver Medal(University of Calcutta) for Post Graduate

B. Dr. Partha Bhattacharya received

JRF(UGC) Fellowship sponsored by UGC

C. Prithwiraj Halder awarded JRF-CSIR (Govt. of India), GATE(2008)

24. List of eminent academicians and scientists / visitors to the department

1.	Prof. Amritava Gupta, Ex-Head of the Department Of Applied Mathematics, C.U
2.	Dr. Asim Chandra Pal, Professor, IIM, Kolkata
3.	Dr. Ashis Kumar Sengupta, Professor , ISI, Kolkata
4.	Dr. Uma Basu, Department of Applied Mathematics, C.U.
5.	Dr. Sanjoy Sen, Department of Applied Mathematics, C.U.
6.	Dr.Pradip Neogi, IIT, Kharagpur
7.	Dr. Prabhat Ranjan Ghosh, Vidyasagar Evening College.
8.	Dr.Kashinath Dey , HOD, Department of Computer Science, C.U
9.	Dr. Debiprasad Duari, Director Research and Academic, M.P. Birla Institute of Fundamental Research
10	Dr. Amitava Raychudhury(Palit Professor), Department of Physics, C.U
11	Dr.Debnarayan Jana, Department of Physics, C.U
12	Dr. Binayak S. Chaudhury, IEST, Shibpur
13	Dr. Sudip Kumar Acharyya, Department of Pure Mathematics, C.U
14	Dr. Sudip Kundu, Department of Bio-Physics, C.U
15	Dr. Rishiraj Bhattacharyya, ISI, Kolkata

25. Seminars/ Conferences/Workshops organized & the source of funding:

Sl.No.	Seminar/Workshop	Date	Source of Funding
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1.	Mathematics and Computer Science – an Interface	March 14, 2009	UGC and DST
2.	Mathematics And Its Impact on Natural Sciences	September 11,12 2015	UGC

26. Students profile programme /course wise:

Name of the Course/programme	Intake Capacity	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
BSc(Honours)	80	195	104	74	30	

*M = Male *F = Female

27. Diversity of Students:

Session	Name of the Course	% of the students from the same state	% of the students from other states	% of the student s from abroad
2015-2016	B. Sc. Part – I Hons	100	0	0
2015-2016	B. Sc. Part – I Gen	100	0	0
2014-2015	B. Sc. Part – I Hons	100	0	0
2014-2015	B. Sc. Part – I Gen	100	0	0
2013-2014	B. Sc. Part – I Hons	100	0	0
2013-2014	B. Sc. Part – I Gen	100	0	0
2012-2013	B. Sc. Part – I Hons	100	0	0
2012-2013	B. Sc. Part – I Gen	100	0	0
2011-2012	B. Sc. Part – I Hons	100	0	0

2011-2012	B. Sc. Part – I Gen	100	0	0
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Social profile of the students

Name of the course	General	S.C.	S.T.	O.B.C.	Minority
2011-2012 BSc 1 st year	26	5	0	4	11
2011-2012 BSc 2 nd Year	11	1	0	4	14
2011-2012 Bsc 3 rd Year	4	1	0	1	6
2012-2013 BSc 1 st Year	49	7	1	5	8
2012-2013 Bsc 2 nd Year	17	1	1	3	5
2012-2013 Bsc 3 rd Year	20	1	1	0	3
2013-2014 Bsc 1 st Year	30	4	0	0	8
2013-2014 Bsc 2 nd Year	19	1	0	2	4
2013-2014 BSc 3 rd Year	6	1	0	1	7
2014-2015 BSc 1 st Year	20	3	0	7	26
2014-2015 BSc 2 nd Year	15	2	0	1	5
2014-2015 BSc 3 rd Year	4	1	0	2	6
2015-2016 BSc 1 st Year	67	15	0	16	6
2015-2016 BSc 2 nd Year	9	9	0	0	10
2015-2016 BSc 3 rd Year	10	5	0	5	0

28. How many students have cleared national and state competitive examinations

such as NET, SLET, GATE, Civil services, Defense services, etc.?: NA

29. Student progression:

Student progression	Against % enrolled
UG to PG	50
PG to M. Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	Not known
Entrepreneurship/ Self-employment	Not known

30. Details of infrastructural facilities

a) **Library**—Possesses good Library with additional Honours Library Facility

b) **Internet Facilities for Staffs and Students:** Possesses Internet Facility for Staff.

c) **Class rooms with ICT facility Available:** NIL (However, Mathematics Department possesses an Overhead Projector and a LCD Projector which are used both for teaching and Seminar purposes.

31. Number of students receiving financial assistance from college, university, government or other agencies:

About 2% of the students get from College (as Free studentship),

All the girl students get KANYASREE fellowship from Govt. of West Bengal.

Minority students get assistance from Minority Fund of Govt. of West Bengal.

All SC students generally get stipend from Central Govt.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

Two UGC Seminar had been arranged by the department during the year 2009 and 2015. Eminent professor of C.U, IIT, ISI, IIM, IEST had been given lectures in the Seminars to enrich the academic performance of the students.

33. Teaching methods adopted to improve student learning.

1. Method of Continuous Assessment (Class Test Mid-term, etc).
2. Teacher- Parents Meeting.
3. Workshop on mathematical application on Natural Fields

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Students participation on NSS and NCC. Dr. Sujata Sinha is an active member of G.B. She also involve in different activity like College Finance Committee, University Examination, College Examination, Class Routine, etc.

35. SWOC analysis of the department and Future plans:

Strength

1. **Mathematics Department Possesses highly qualified, energetic as well as motivated faculty members.**
2. **All the Faculty members are very much student-friendly and very much conscious about constant updating their knowledge.**
3. **Most senior faculty Dr. Sujata Sinha involves herself regularly as Head Examiner of University Examination.**
4. **The supporting staffs are also very sincere and sympathetic to the students.**
5. **Mathematics Department runs a Library for Honours students very efficiently.**

Weakness

1. **As our college premises shared by other two Colleges namely Bangabasi College in the day Session and Bangabasi Evening College in the evening session it is very difficult to take extra time after 11:00 am**

Opportunity

- Mathematics Department had taken a serious responsibility to serve the society by introducing Mathematics Honourse course in our College, which started in the session 1966-1967.
- All the staff are very much social conscious. They always perform social responsibilities like, college administrative job, confidential works of C.U., public examination etc.

Challenges

- It is a very universal picture that the interest on the study of basic science is declining due to the emergence of technical courses, which are apparently attractive to the students. As a result students of higher merit are lacking in this general course.
- Popularize science among the students is a challenge to us.

Future Plans:

- We are actively considering a small scale research centre in our department if suitable space is managed to possess.
- An Audio-visual classroom is also one of the achievements to be fulfilled.
- Department will try to get fund to purchase illustrious instruments to popularize science.
- Quest for space for extension departmental activities.
- Holding Science Fair.
- Internet facilities for the students to consult e-books.

***Annexure – I

Teacher Name: Dr. Sujata Sinha

1. Name of Faculty: Dr. Sujata Sinha

2. Seminars attended:

Year	National/international/regional	Topic
April 2007-March 2012	12-14, Feb 2008	National Seminar on Mathematical modeling and Pollution and global warming – ISNA + S.N. Bose national Centre for Basic Science
	14.03.2009	“Mathematics and Computer Science-An Interface” Bangabasi Morning College with Collaboration of Rammohan College and C.M.C(Behala)
	9.3.2010	Revision of existing syllabus in B.Sc(Hons& general) courses of studies in Mathematics –C.U
	24.9.2011	Recent trends in Theoretical Physics and Applied Mathematics – Institute of Theoretical Physics.
April 2012-March 2013	21.22.2011	Recent Trends in real world problems on Applied Mathematics- NarasinhaDutta College and ISI
	06-07 September 2012	Mathematical Analysis and Application : Present Perspective.
April 2013-March 2014	11-01-2013	Seminar on Numerical Analysis and its scope
	International Seminar	Applied Mathematics Department
April 2014 – March 2015	National	
April 2015-March 2016	National	Mathematics and Its Impact on Natural Sciences

3.Paper presentation and/or Resource person in:

Year	National/ international/ regional Seminar/ conference	Title
April 2007-march 2012	Regional Seminar(U.G.C) Conducted Convenor Date: 14.3.2009 Approved by U.G.C and Department of Science and Technology West Bengal	Mathematics and Computer Science- An Interface
April 2012-March 2013	-	
April 2013-March 2014	-	

4. Publication:

Year	Nature of publication (Book/ Paper)	Title
April 2007-March 2012	Book	1. Analytical statistics- Second Edition , ISBN 978-93-80599-76-2 -Academic Publishers- Jan' 2010 For B.Sc(Hons) Students. 2. Numerical Analysis and Statistical methods including in C and FORTRAN 77(Vol 1.)- First Edition. ISBN 978-93-80599-29-8 Academic publishers –Jan' 2011 (For B.Sc(Hons), M-Tech students) 3. Numerical Analysis and Statistical methods with programming in C.(First Edition)- Jan 2012 , ISBN NO – 978-81-8371-473-0 Scitech Publication Pvt. Ltd. (For B.Tech and M.C.A students)
	Proceedings Edited by SUJATA SINHA	Mathematics and Computer Science – an Interface (Academic Publishers)

	Papers	<p>ISBN 978-93-80599-06-9 (April 2010).</p> <p>1. Finite difference method for water wave problems in Stratified three-dimensional fluid channel with uneven bottom.(2009)</p> <p>Indian Journal of Theoretical Physics, Vol 57, No 4, 289-309. ISBN NO- 0019-5693</p> <p>2. Study of linearized water wave problems in three dimensional field using finite difference technique- (2010)-Bull. Cal Math soc, 102(5) 433-448</p> <p>3. History of Revolution of Computer Science through Mathematics- Proceedings on Mathematics and computer science-an Interface, 73-76, April 2010</p>
April 2012-March 2013	Book	<p>1. Analytical Statistics (Third edition) Academic Publishers- August 2012</p> <p>2. Numerical Analysis and Statistical methodsvol1(2nd edition) Academic Publishers- August 2012</p> <p>3. Numerical Analysis and Statistical methods including Computer programming in C and Fortran-77- vol II -First Edition – Jan'2013 Academic Publishers. ISBN 978-93-80599-79-3 For (M.Sc and M.Tech students)</p>
April 2013-March 2014	Book	<p>Ecstasy of Mathematics-vol 1- August 13 Souradeep Publications.</p>
	Book	<p>1. Ecstasy of Mathematics –vol II- August 14</p>

	Paper	<p>Souradeep Publications. 2.Analytical Statics(Fourth Edition) Academic Publishers- September 14 Engineering Mathematics –II Scitech Publication-August 14 ISBN 978-81-83713-81-8</p> <p>1.Finite difference method for ..</p> <p>Submitted for Publication in 28.5.2014 in Indian Journal of Theoretical Physics.</p>
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5. Research Project conducted (Major/Minor):

Year	Funding agency	Title of Project
April 2007-March 2012	U.G.C	Mathematical method Associated with water wave generation problems F-PSW-241 06-07(SR)-6 NOV 6 SNO 81052
April 2012-March 2013	U.G.C	Scattering of Surface Waves by Small Undulation F.PSW-133/11-12(ERO) dated 25-Jan-12 S.No. 208533
April 2013-March 2014	U.G.C	Scattering of Surface Waves by Small Undulation F.PSW-133/11-12(ERO) dated 25-Jan-12 S.No. 208533

6. Research conducted & Ph.D. awarded in the year: Nil

7. Awards received in the year: Does not arise

8. Orientation Programme/Refresher Course attended in:

Year	Nature of programme	University
April 2007-March 2012	UGC-sponsored short term course for Professional Development of Senior Teachers	C.U + Academic (10-16) staff college Feb 2012 On Mathematical methods
April 2012-March 2013	UGC-sponsored short term course for Professional Development of Senior Teachers	C.U + Academic (10-16) staff college (22.2-28.2) 2013 On in Mathematical, Chemical and Physical Sciences.
April 2013-March 2014	Nil	

Teacher Name: Partha Bhattacharya

1. Name: Partha Bhattacharya

2. Seminars attended:

Year	National/international/regional	Topic
April 2007-March 2012		NIL
April 2012-March 2013		NIL
April 2013-March 2014		NIL
April 2014-March 2016	National	Mathematics And Its Impact on Natural Sciences

3. Paper presentation and/or Resource person in:

Year	National/ international/ regional Seminar/ conference	Title
April 2007-march 2012		NIL
April 2012-March 2013	-	NIL
April 2013-March 2014	-	NIL

4. Publication:

Year	Nature of publication (Book/ Paper)	Title
April 2007-March 2012	Modern Physics Letters A Vol 26 No 6 (2011) P1-7	Torsion, Chern-Simons Term and Diffeomorphism invariance.
April 2012-March 2013		NIL
April 2013-March 2014		NIL

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5. Research Project conducted (Major/Minor):

Year	Funding agency	Title of Project
April 2007-March 2012		NIL
April 2012-March 2013		NIL
April 2013-March 2014		NIL

6. Research conducted & Ph.D. awarded in the year: NIL

7. Awards received in the year: NIL

8. Orientation Programme/Refresher Course attended in:

Year	Nature of programme	University
April 2007-March 2012	REFRESHER COURSE In Mathematics September 7-27,2007	University of Calcutta
	REFRESHER COURSE In Mathematics 16-02-09- 07-03-2009	Jadavpur University
April 2012-March 2013		NIL
April 2013-March 2014		NIL

Teacher Name: Prithwiraj Halder

1. Name: Prithwiraj Halder
2. Seminars attended:

Year	National/international/regional	Topic
April 2007-March 2012	(1)International Seminar dated(Dec 12-Dec 14),2007	Foundation of Mathematics ,Analysis and Geometry
	National Seminar dated (Feb 22-Feb 23),2011	Mathematics and its Applications
	National Seminar dates Feb 22, 2012	Recent Trends in Mathematics and its Applications
	National Seminar dated 23-24 Feb, 2010	Lectures on Analysis and Algebra and their Application
April 2012-March 2013	National Seminar dated March 22,2013	Recent Trend in Mathematics and its Applications
April 2013-March 2014	National Seminar	Recent Development in Mathematics and its Applications

April 2014- March 2015	National Seminar	Recent Advancement in Mathematics and its Applications
	International Seminar	Context and Culture in our Language Classrooms
April 2015- March 2016	National Seminar	Mathematics and Its Impact on Natural Sciences

3. Paper presentation and/or Resource person in:

Year	National/ international/ regional Seminar/ conference	Title
April 2007-march 2012		NIL
April 2012-March 2013	-	NIL
April 2013-March 2014	-	NIL

4.Publication:

Year	Nature of publication (Book/ Paper)	Title
April 2007-March 2012		NIL
April 2012-March 2013		NIL
April 2013-March 2014		NIL

5.Research Project conducted (Major/Minor):

Year	Funding agency	Title of Project
April 2007-March 2012		NIL

April 2012-March 2013		NIL
April 2013-March 2014		NIL

6. Research conducted & Ph.D. awarded in the year: NA

7. Awards received in the year: JRF(CSIR) , JUNE2009, GATE(2008)

8. Orientation Programme/Refresher Course attended in:

Year	Nature of programme	University
April 2007-March 2012	ATM School on Functional Analysis	ISI, Bangalore
April 2012-March 2013	Refresher Course (Aug 06-Aug 29) 2012	University of Calcutta
April 2013-March 2014	ATM School on Linear Algebra	Kumaun University & NBHM

Teacher Name: Bikash Chandra Mondal

1. Name: Bikash Chandra Mondal
2. Seminars attended:

Year	National/international/regional	Topic
April 2007-March 2012		NIL
April 2012-March 2013		
April 2013-March 2014	International National	Environmental Interface: An Interdisciplinary Approach Towards sustainable Development. Inclusive Growth, Business and Environment in India's Emerging Economy.
April 2014- March 2015	Regional	Corporate Frauds and Its Impact on Indian Business Environment

	National	Environmental Impacts on Health: Towards a Better Future
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3. Paper presentation and/or Resource person in:

Year	National/ international/ regional Seminar/ conference	Title
April 2007-march 2012		NIL
April 2012-March 2013		NIL
April 2013-March 2014	International Seminar	Socio-economic and environmental issues in respect of the brick fields of North 24 Parganas, West Bengal

4.Publication:

Year	Nature of publication (Book/ Paper)	Title
April 2007-March 2012		NIL
April 2012-March 2013		NIL
April 2013-March 2014		NIL

5.Research Project conducted (Major/Minor):

Year	Funding agency	Title of Project
April 2007-March 2012		NIL
April 2012-March 2013		NIL
April 2013-March 2014		NIL

6.Research conducted & Ph.D. awarded in the year: NIL

7.Awards received in the year: NIL

8.Orientation Programme/Refresher Course attended in:

Year	Nature of programme	University
April 2007-March 2012		
April 2012-March 2013		NIL
April 2013-March 2014		NIL
April 2014- March 2015	Orientation Program	Universiy of Calcutta

1. Name of the Department: PHILOSOPHY

2. Year of Establishment: Philosophy General course started in the year 1985.

3. Names of the 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

NIL

5. Annual / semester / choice based credit system (programme wise)

Annual

6. Participation of the department in the courses offered by other departments

NIL

7. Courses in collaboration with other Universities, industries, foreign institutions etc.

NIL

8. Details of courses / programmes discontinued (if any) with reasons: No

9. Number of Teaching Posts

Table No. 1

No. Teaching Posts	Sanctioned posts	Filled posts
Professors	N.A.	N.A.

Associate Professors	0	0
Assistant Professor	01	01
Part Time Teacher	0	0
Guest Lecturer	01	01

10. Faculty Profile with name, qualification, designation, specialization (D.Sc. / D. Litt. / Ph.D. / M.Phil. etc.)

Table No. 2

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for the last four years
Shukla Sarkar Das	M. A.	Assistant Professor	Nyaya Philosophy	12Years	-----
Antara Singha	M. A.	Guest Lecturer	Nyaya Philosophy	2 Years	-----

11. List of senior visiting faculty: Prof. Sumita Banerjee, Visiting Professor at Rabindra Bharati University.

12. Percentage of lectures delivered and practical classes handled (programme wise)

by temporary faculty

Table No. 3

Name of the Temporary Faculty	Academic Session taught	Programme	Total No. of Classes per week	No. of Classes taken per Week	% of Lectures delivered
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Antara Singha	2014-15	General	30	10	33.33%
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13. Student-Teacher Ratio (Programme Wise):

Table No. 4

Session/Class	No. of StudentsHonours	No. of StudentsPass	No. of Teachers	Student-Teacher Ratio	
				Hons	Gen.
2015-16/B.Sc. Part I	0	134	02	N.A	67:1
2015-16/B.Sc. Part II	0	70	02	N.A	35:1
2015-16/B.Sc. Part III	0	32	02	N.A	16:1

14. Number of Academic Support Staff (technical) and administrative staff;

sanctioned and filled :

Table No. 5

Post	Sanctioned	Filled
Academic Support Staff	0	0
Administrative Staff	0	----

15. Qualifications of teaching faculty with D.Sc./ D. Litt. / Ph.D. / M.Phil./ PG

Table No. 6

Highest Qualification	No. of Teaching Faculty (Existing)
DSC/ D.Litt.	NIL
Ph.D.	NIL
M.Phil.	NIL

P.G.

02

16. Number of Faculty with ongoing Projects from a) National b) International funding agencies and grants received

Table No. 7

Name of the Principal Investigator	Title of the Project	Funding Agency	Period	Total Grant	Affiliation
NIL	NIL	NIL	NIL	NIL	NIL

Number of Projects successfully completed :

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre/facility recognized by the University: N.A.

19. Publications:

a) Publications per faculty

Publications	2008	2009	2010	2011	2012	2013	2014	2015	Total
Total Year wise publications of the Dept. without ISBN/ISSN									
No. of papers published in peer reviewed journals by faculty & students									

No.of publications published in International Database									
Monographs									
Chapter in books									
Books Edited									
Books with ISBN/ISSN									
Citation Index									
SINP									
Impact factor									
h-index									

***** For Full List of publications of the Faculty, See Annexure-1**

* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, etc.) -

* Monographs :

* Publications :

Papers Published (2007-2015)

Teacher Name:

Papers Accepted:

* Chapter in Books :

* Books Edited :

* Books with ISBN/ISSN numbers with details of publishers:

A. Edited Books:

Sl. No. & Name	Title with page nos.	Type of Book	Publisher & ISSN/ ISBN No.
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B. Reference Books

Sl. No. & Name	Title with page nos.	Type of Book & Authorship	Publisher & ISSN/ ISBN No.

C. Seminar Attended & Participated

Sl. No.	Title of the Seminar	Name of Faculty	Year	International / National / State / University / College	Funding Agency
1.	Human Rights and Discrimination	Shukla Sarkar Das (Participated)	April 11, 2008	National	UGC
2.	Mathematics and Computer Science-An Interface	Shukla Sarkar Das (Participated)	March 14, 2009	National	UGC
3.	Sri Aurobindo's political life, the Alipore Bomb trial and his Uttarpara Speech	Shukla Sarkar Das (Participated)	August 01-02, 2009	National	UGC

4.	The Philosophical Contribution of Profs. Sibajiban Bhattacharya	Shukla Sarkar Das (Participated)	December 12-13, 2011	National	Dept. of Philosophy (CU) in collaboration with Indian Council of Philosophical Research, New Delhi
5.	The New Religious Intolerance Fear and Philosophical Principles by Profs. Martha Nussbaum (Univ. of Chicago)	Shukla Sarkar Das (Participated)	January 5, 2012	International	Institute of Development Studies, Kolkata
6.	Special Lecture on Rawl's Theory on Justice	Shukla Sarkar Das (Participated)	March 22, 2015	State	The Indian Academy of Philosophy
7.	The Concept of Morality, Indian and Western	Shukla Sarkar Das (Participated)	September 29-30, 2015	National	Ramkrishna Mission Vidyamandir, Belur, Howrah
8.	Context and Culture in our Language Classrooms	Shukla Sarkar Das (Participated)	February 9, 2015	International	Bangabasi Morning College & American Centre
9.	Corporate Fraud and its Impacts on Indian Business Environment	Shukla Sarkar Das	March 17, 2015	State Level	U.G.C.
10.	Cyber Crime	Shukla Sarkar Das	September 16, 2015	Institutional Level	I.Q.A.C., Bangabasi Morning College

11.	Context and Culture in our Language Classrooms	Antara Singha (Participated)	February 9, 2015	International	Bangabasi Morning College & American Centre
12.	Corporate Fraud and its Impacts on Indian Business Environment	Antara Singha (Participated)	March 17, 2015	State Level	U.G.C.
13.	Specil Lecture on Rawl's Theory on Justice	Antara Singha (Participated)	March 22,2015	State	The Indian Academy of Philosophy

20. Areas of consultancy and income generated: Nil

21. Faculty as members in :

Sl. No.	Faculty	Serving in(a)National Commiittees (b) International Committees (c) Editorial Board (d) any other
	NIL	NIL

22. Student Projects: NIL

23. Awards/Recognitions received by faculty and students: NIL

24.Listofeminentacademiciansandscientists/visitorstothe department NIL

25.Seminars/Conferences/Workshopsorganized&thesourceoffunding: NIL

26.Studentsprofileprogramme/coursewise:

Name of the Course/programme	Intake Capacity	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	

B.A General 1 st Year 2015-16	200	134	134	38	96	
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*M=Male *F=Female

27. Diversity of Students:

Name of the Course	% of the students from the same state	% of the students from other states	% of the students from abroad
B.A General 1 st Year	99%	1%	NIL

Social profile of the students

Name of the course	General	S.C.	S.T.	O.B.C.	Minority
B.A General 1 st Year 2015-16	48	12	12	05	57

28. How many students have cleared national and state competitive examinations

such as NET, SLET, GATE, Civil services, Defense services, etc.?: NA

29. Student progression:

Student progression	Against % enrolled
UG to PG	NA
PG to M. Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	Not known
Entrepreneurship/Self-employment	Not known

30. Details of infrastructural facilities

- a) **Library** - Facility available
b) **Internet Facilities for Staffs and Students:** Available
c) **Class rooms with ICT facility Available:** Not yet available.

31. Number of students receiving financial assistance from college, university, government or other agencies:

General facilities are availed by students of the department.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

Special Lectures are conducted.

33. Teaching methods adopted to improve student learning-

Learner- oriented approach : Interactive teaching .

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

NIL

35. SWO Analysis of the department and Future plans:

Strength	Weakness
<ul style="list-style-type: none">• Department possesses highly qualified, energetic as well as motivated faculty members.• All the faculty members are very much student-friendly and very much conscious about constant updating their knowledge.	<ul style="list-style-type: none">• Shortage of teaching staff is one of the major weaknesses.• Central library cannot buy journals due to insufficient fund.

Opportunity

- All the staffs are very much socially conscious. They always perform social responsibilities like college administrative job, confidential works of C.U., performing duty as central board nominee of personality test of SSC.

Challenges

- The subject enhances the spirit of the students for their character building in the present materialistic era.
- To generate interest in philosophical subject in the present technical and management oriented education system is a challenging task.

Future Plans:

- Audio visual classroom is one of the achievements to be fulfilled.
- Popularize the subject
- Internet facility for the students to consult E-book.

1. Name of the Department: **PHYSICS**

2. Year of Establishment: **Physics General course started in the year 1965,**
Physics Honours course started in the session 2005-2006

3. Names of the 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

NIL

5. Annual / semester / choice based credit system (programme wise)

Annual

6. Participation of the department in the courses offered by other departments

NIL

7. Courses in collaboration with other Universities, industries, foreign institutions etc.

NIL

8. Details of courses / programmes discontinued (if any) with reasons:

No

9. Number of Teaching Posts

Table No. 1

No. Teaching Posts	Sanctioned posts	Filled posts
Professors	N.A.	N.A.
Associate Professors	01	01
Assistant Professor	02	02
Part Time Teacher	01	01
Guest Lecturer	01	01

10. Faculty Profile with name, qualification, designation, specialization (D.Sc. / D. Litt. / Ph.D. / M.Phil. etc.)

Table No. 2

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for the last four years
Dr. Mukul Kumar Mitra	M. Sc. (Phys.) Ph.D. (Sc.)	Associate Professor	Solid State Physics	29 Years	-----
Dr. Anindya Sarkar	M. Sc. (Phys.) Ph.D. (Sc.)	Assistant Professor	Nuclear Physics	13 Years	-----
Sri Souvik Prasad	M. Sc. (Phys.)	Assistant Professor	High Energy Physics	12 Years	-----
Sri Chinmay Sikdar	M. S.	Part Time Teacher	Condensed matter Physics	06 Years	-----
Abdul Mannan	M. Sc. (Phys.)	Guest Lecturer	Condensed matter Physics	01 Year	-----

11. List of senior visiting faculty: Prof. Nikhil Ranjan Kundu, Ex-Head of the Department Physics, Bangabasi Morning College.

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Table No. 3

Name of the Temporary Faculty	Academic Session taught	Programme	Total No. of Classes per week	No. of Classes taken per Week	% of Lectures delivered
Abdul Mannan	2014-2015	B.Sc. Part-I (Honours)	20	04	20
Abdul Mannan	2014-2015	B.Sc. Part-I (General)	10	00	00
Abdul Mannan	2014-2015	B.Sc. Part-II (Honours)	18	02	11
Abdul Mannan	2014-2015	B.Sc. Part-II (General)	18	02	11
Abdul Mannan	2014-2015	B.Sc. Part-III (Honours)	25	01	04
Abdul Mannan	2014-2015	B.Sc. Part-III (General)	11	00	00

13. Student-Teacher Ratio (Programme Wise):

Table No. 4

Session/Class	No. of Students Honours	No. of Students General	No. of Teachers	Student-Teacher Ratio	
				Hons .	Gen.
2015-16/B.Sc. Part I	43	190	05	9:1	38:1
2015-16/B.Sc. Part II	24	82	05	5:1	17:1
2015-16/B.Sc. Part III	15	17	05	3:1	4:1
2014-15/B.Sc. Part I	43	79	05	9:1	16:1
2014-15/B.Sc. Part II	09	49	05	2:1	10:1
2014-15/B.Sc. Part III	06	23	05	1:1	5:1
2013-14/B.Sc. Part I	24	65	05	5:1	13:1
2013-14/B.Sc. Part II	11	61	05	2:1	12:1
2013-14/B.Sc. Part III	5	27	05	1:1	5:1
2012-13/B.Sc. Part I	46	82	05	9:1	16:1
2012-13/B.Sc. Part II	6	39	05	1:1	8:1
2012-13/B.Sc. Part III	9	34	05	2:1	7:1
2011-12/B.Sc. Part I	14	175	05	3:1	35:1
2011-12/B.Sc. Part II	5	150	05	1:1	30:1
2011-12/B.Sc. Part III	3	51	05	1:1	10:1

14. Number of Academic Support Staff (technical) and administrative staff; sanctioned and filled :

Table No. 5

Post	Sanctioned	Filled
Academic Support Staff	04	04

Administrative Staff	01	----
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15. Qualifications of teaching faculty with D.Sc. / D. Litt. / Ph.D. / M. Phil. / PG

Table No. 6

Highest Qualification	No. of Teaching Faculty (Existing)
DSC/ D.Litt.	NIL
Ph.D.	02
M. Phil.	NIL
P.G.	03

16. Number of Faculty with ongoing Projects from a) National b) International funding agencies and grants received

Table No. 7

Name of the Principal Investigator	Title of the Project	Funding Agency	Period	Total Grant	Affiliation
NIL	NIL	NIL	NIL	NIL	NIL

Number of Projects successfully completed :

A. Dr. Mukul Kumar Mitra successfully completed two Research Projects :

- i) The first one is sponsored by U.G.C., New Delhi [Period: 1987-1989].

- ii) The second one is sponsored by Inter-University Consortium for DAE Facilities, Indore [Period: 1990-1996].

B. Dr. Anindya Sarkar successfully completed two Minor Research Projects:

- i) The first entitled, "Defect Identification and their Correlation with Optical Properties of II-VI Semiconductors" funded by U.G.C., New Delhi (Sanction number : PSW-029/05-06, Tenure: 02.05.2006 - 01.05.2008)
- ii) Co-investigator of a Minor Research Project entitled, "Defect Induced Magnetic Properties" funded by U.G.C., New Delhi (Sanction number: PSW-13010-11, Tenure: 20.10.10 - 19.10.12)

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

NIL

18. Research Centre /facility recognized by the University:

N.A.

19. Publications:

a) Publications per faculty

Publications	2008	2009	2010	2011	2012	2013	2014	2015	Total
Total Year wise publications of the Dept. without ISBN/ISSN									
No. of papers published in peer reviewed journals by faculty & students	02	06	03	04	06	03	01	03	28

No.of publications published in International Database									
Monographs									
Chapter in books									
Books Edited									
Books with ISBN/ISSN									
Citation Index									
SINP									
Impact factor									
h-index									

Contribution in a Book Chapter by Dr. A. Sarkar:

Studies of Cu-based high temperature superconductors by using coincidence Doppler broadening of the electron positron annihilation radiation measurement technique, M. Chakrabarti, A. Sarkar, S. Chattopadhyay and D. Sanyal, New Topics in Superconductivity Research (Ed. Barry P. Martins), Nova Science Publishers, New York (2005).

Report in Annual User report by Dr. A. Sarkar:

Electron momentum density redistribution in YBCO across the superconducting transition, C. Sternemann, M. Volmer, R. Fendt, A Sarkar, M. Tolan, U. De, T. Wolf, T. Buslaps and N. Hiraoka, ESRF (Grenoble) user report 2004.

*** For Full List of publications of the Faculty, See Annexure-1

* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) -

* Monographs :

* Publications :

Papers Published (2007-2015): Please see Annexure - I

Teacher Name:

Papers Accepted:

- * Chapter in Books :
- * Books Edited :
- * Books with ISBN/ISSN numbers with details of publishers:

A. Edited Books :

Sl. No. & Name	Title with page nos.	Type of Book	Publisher & ISSN / ISBN No.
1. Dr. Sreejita Biswas, Dr. Mukul Kr. Mitra and Dr. Radharaman Bar	Environmental Impact on Health: Towards a Better Future pg:- 480	Reference	ISBN – 978-93-82623-53-7, Year-2015

A.1. Previous Edited Books :

Sl. No. & Name	Title with page nos.	Type of Book	Publisher & ISSN / ISBN No.
Dr. Mukul Kr. Mitra, Sreejata Biswas and Prasenjit Sarkar	Environmental Change and its Impact pg:- 197	Reference	ISBN – 81-87716-24-5, Year – 2006

B. Reference Books

Sl. No. & Name	Title with page nos.	Type of Book & Authorship	Publisher & ISSN / ISBN No.

C. Seminar Attended & Participated

Sl. No.	Title of the Seminar	Name of Faculty	Year	International /National/State/ University / College	Funding Agency
1.	Context and Culture in our Language Classrooms	Dr. Mukul Kumar Mitra	February 9, 2015	International	Bangabasi Morning College & American Centre
2.	Corporate Fraud and its Impacts on Indian Business Environment	Dr. Mukul Kumar Mitra	March 17, 2015	State Level	U.G.C.
3.	Environmental Impacts on Health: Towards a Better Future	Dr. Mukul Kumar Mitra	March 27-28, 2015	National	U.G.C.
4.	Cyber Crime	Dr. Mukul Kumar Mitra	September 16, 2015	Institutional Level	I.Q.A.C., Bangabasi Morning College
5.	Int. Conf. on Positron Annihilation (ICPA-15), Kolkata.	Dr. Anindya Sarkar	January 18-23, 2009	International	DST, SINP
6.	Int. Conf. on Magnetic Materials (ICMM), Kolkata.	Dr. Anindya Sarkar	October 25-29, 2010.	International	DST, SINP
7.	Materials science using Low energy	Dr. Anindya Sarkar	September 9, 2012	Discussion Meeting	IUAC

	ion beams, New Delhi				
8.	Positron Annihilation Spectroscopy, Mumbai.	Dr. Anindya Sarkar	December 9-10, 2013.	Theme meeting	DAE-BRNS, BARC.
9.	Condensed Matter Days 2014, Kolkata.	Dr. Anindya Sarkar	August 27-29, 2014.	National	DST, CU, IOP
10.	Swift heavy ions in Materials Engineering and Characterization (SHIMEC 2014), New Delhi.	Dr. Anindya Sarkar	October 14-17, 2014	International	UGC, IBSI, IUAC
11.	Radiation effects in insulators (REI 18), Jaipur.	Dr. Anindya Sarkar	October 26-31, 2015.	International	DST, UGC, IUAC, IBSI
12.	Mathematics and its impact on natural sciences, Kolkata	Dr. Anindya Sarkar	September 11-12, 2015	National	UGC
13.	Mathematics and its Impact on Natural Sciences	Sri Souvik Prasad	September 11-12, 2015	National	UGC
14.	Cyber Crime	Sri Souvik Prasad	September 16, 2015	Institutional Level	I.Q.A.C., Bangabasi Morning College
15.	Physics of Electronic Material	Abdul Mannan	August 8-9, 2015		

20. Areas of consultancy and income generated: NIL

21. Faculty as members in

Sl. No.	Faculty	Serving in(a)National Committees (b) International Committees (c) Editorial Board (d) any other
1	Dr. Mukul Kumar Mitra	1. Life member of International Liquid Crystal Society 2. Life member of Indian Association of Cultivation of Science
2.	Dr. Anindya Sarkar	Life member of Indian Physical Society
3.	Sri Souvik Prasad	Life member of Indian Physical Society

22. Student projects: 3rd year General Students generally perform project works. In this session (2015-2016) Mr. Souvik Prasad is guiding the students for the project work.

23. Awards/Recognitions received by faculty and students:

A. Dr. Mukul Kumar Mitra received STA Fellowship sponsored by Japan International Science and Technology Exchange Center (JISTEC), JAPAN
(From October, 1996 to March, 1998)

B. Dr. Anindya Sarkar:

- Awarded CSIR (Govt. of India), LRF (NET) on December, 1996.
- Travel Grant to work in ESRF, Grenoble for a short period.
- Training and Research in Italian Laboratories (TRIL) fellowship by International Center for Theoretical Physics (ICTP), Trieste, Italy, to visit and to carry out research work in Positron Collision Laboratory (2007 & 2009), Dipartimento di Fisika, Universita di Trento.

24. List of eminent academicians and scientists / visitors to the department

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25. Seminars/ Conferences/Workshops organized & the source of funding:

NIL

Sl.No.	Seminar/Workshop	Date	Source of Funding

26. Students profile programme /course wise:

Session	Name of the Course/programme	Intake Capacity	Applications received	Selected	Enrolled		Pass percentage
					*M	*F	
2015-2016	B. Sc. Part – I Hons	40	132	43	39	04	-----
2014-2015	B. Sc. Part – I Hons	40	110	43	35	08	38
2013-2014	B. Sc. Part – I Hons	30	100	24	19	05	71
2012-2013	B. Sc. Part – I Hons	35	93	46	26	20	65
2011-2012	B. Sc. Part – I Hons	30	70	14	14	0	70

*M = Male *F = Female

27. Diversity of Students:

Session	Name of the Course	% of the students from the same state	% of the students from other states	% of the students from abroad

2015-2016	B. Sc. Part – I Hons	100	0	0
2015-2016	B. Sc. Part – I Gen	100	0	0
2014-2015	B. Sc. Part – I Hons	100	0	0
2014-2015	B. Sc. Part – I Gen	100	0	0
2013-2014	B. Sc. Part – I Hons	100	0	0
2013-2014	B. Sc. Part – I Gen	100	0	0
2012-2013	B. Sc. Part – I Hons	100	0	0
2012-2013	B. Sc. Part – I Gen	100	0	0
2011-2012	B. Sc. Part – I Hons	100	0	0
2011-2012	B. Sc. Part – I Gen	100	0	0

Social profile of the students

Session	Name of the course	General	S.C.	S.T.	O.B.C.	Minority
2015-2016	B. Sc. Part – I Hons	35	04	00		
2014-2015	B. Sc. Part – I Hons	33	03	00	00	07
2013-2014	B. Sc. Part – I Hons	29	05	00	00	08
2012-2013	B. Sc. Part – I Hons	24	08	00	05	09
2011-2012	B. Sc. Part – I Hons	04	00	00	00	03

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?:

- Last Year one student cleared JAM Test and ranked 80.
- One of our students is working on Pre-doctoral research project.
- One of our Ex-students successfully cleared GATE Examination and now working as Guest Lecturer in our Department.

29. Student progression:

Student progression	Against % enrolled
UG to PG	50
PG to M. Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	Not known
Entrepreneurship/ Self-employment	Not known

30. Details of infrastructural facilities

a) Library—Possesses good Library with additional Honours Library Facility

b) Internet Facilities for Staffs and Students: Possesses Internet Facility for Staff and students.

c) Class rooms with ICT facility Available: NIL

(However, Physics Department possesses an Overhead Projector and a LCD Projector which are used both for teaching and Seminar purposes.)

31. Number of students receiving financial assistance from college, university, government or other agencies:

About 2% of the students get from College (as Free studentship),

All the girl students get KANYASREE fellowship from Govt. of West Bengal.

Minority students get assistance from Minority Fund of Govt. of West Bengal.

All SC students generally get stipend from Central Govt.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

- In classroom teaching continuous assessment of students is done by various means like group discussion, question answer technique, quiz contest, tutorials and assignment work, homework technique.
- Unit Tests, Class Tests and Selection Tests are taken regularly so as to students learn fruitfully.
- Students progress in practical classes is assessed on the basis of their performance and observation recorded in the practical note books.
- Emphasis is given on project work so that the students can visualize their theoretical knowledge in practical sense.
- Seminar talks are often arranged in which students participate enthusiastically.
- Experienced retired teachers are invited to share their teaching experiences with the current students.

33. Teaching methods adopted to improve student learning-

- Physics department possesses a LCD projector. With the help of it the students are often taught.
- For better understanding, the students are very often demonstrated with diagrams and graphs by drawing in the computer.
- To supplement in learning process the students are often summoned to do board work .
- Students are encouraged to participate in group discussion.
- Different assignment works and home task are adopted for better result.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Institution is serving our society through our NCC and NSS wings. Some of our departmental students are attached to NCC and NSS.

35. SWOC analysis of the department and Future plans:

Strength

1. Physics Department Possesses highly qualified, energetic as well as motivated faculty members.
2. All the Faculty members are very much student-friendly and very much conscious about constant updating their knowledge.
3. One of us (M. K. Mitra) has a wide experience of research in different Laboratories in the country as well as in abroad collaborating with different distinguished scientists.
4. Another Faculty (A. Sarkar) is a young and active researcher. He visited many Laboratories in the country and abroad. He is also involved active collaborative works with different distinguished scientists.
5. Another Faculty (S. Prasad) is a young energetic and very dedicated Teacher with sound knowledge in Computer software as well as hardware. He served as the Server administrator of the Department of Physics Computer Laboratory, Jadavpur University for a long period (Honorary Service).
6. The supporting staffs are also very sincere and sympathetic to the students.
7. Uses of technology in teaching like Power Point, LCD Projector enhance the

Weakness

1. Shortage of teaching staff is one of the major weaknesses. To run a Laboratory-based subject with honours course we need 4 permanent additional teaching staff.
2. Another serious and long lasting problem is the space problem. We cannot undertake small scale research in our Department.
3. Shortage of time span of our College is to be mentioned as shortcoming.
4. Insufficient fund sometimes resists the pace of development of our departmental activities.
5. Our Central Library can not buy journals of national & international repute due to paucity of fund.
6. Inadequate number of computers for the use of students.

interests among the students.

8. **Physics Department runs a Library for Honours students very efficiently.**
9. **Laboratory is equipped with all the requisite instruments for Honours and General students.**

Opportunity

- Physics Department had taken a serious responsibility to serve the society by introducing Physics Honours course in our College, which started in the session 2005-2006.
- All the staffs are very much social conscious. They always perform social responsibilities like, college administrative job, confidential works of C.U., public examination etc.

Challenges

- It is a very universal picture that the interest on the study of basic science is declining due to the emergence of technical courses, which are apparently attractive to the students. As a result students of higher merit are lacking in this general course.
- Popularize science among the students is a challenge to us.

Future Plans:

- We are actively considering a small scale research centre in our department if suitable space is obtained.
- An Audio-visual classroom is also one of the goals.
- Department will try to get fund to purchase demonstrable instruments to popularize science.
- Quest for space for extension of departmental activities.
- Holding Science Fair.
- Internet facilities for the students to consult e-books.

***Annexure - I

Teacher Name:

LIST OF PUBLICATIONS :

Annexure I :

Curriculum Vita and list of publications of Dr. Mukul Kumar Mitra

1. Name : DR. MUKUL KUMAR MITRA.
2. Nationality : INDIAN.
3. Date of Birth : March 18, 1958.
4. Profession : Reader in Physics
5. Affiliation : Bangabasi Morning College
19, Rajkumar Chakraborty Sarani
Kolkata – 700 009, INDIA.
6. Marital Status : Married.
7. Educational Qualification :-

Examination Passed	Year	Board/University	Major Subjects taken	Division/Class
Higher Secondary (Science)	1975	West Bengal Board of Secondary Education	English, Phys., Chem., Math., Biology	1 st Division
B. Sc. (Physics 1979 Honours)		North Bengal University, India	Phys. (Honours) Mathematics Chemistry	1 st Class
M. Sc. (Physics)	1981	North Bengal University, India	Physics (Solid State Physics as Special)	1 st Class
Ph. D. (Science)	1988	North Bengal University, India	Liquid Crystal	***** *****

8. Research Experience :**A. Pre-doctoral :- 1982-1986**

i) Title of Thesis : **Determination of Order Parameter of Liquid Crystals by X-ray, Optical and Magnetic Birefringences Studies.**

ii) Name and address Of Supervisor : Professor Ranjit Paul
Department of Physics
North Bengal University
Siliguri, Darjeeling
INDIA.

iii) Fabrication of : ***A Sensitive Electro-magnetic Balance of Faraday-Curie Apparatus Type for Diamagnetic Susceptibility Materials.***

Brief Write-up of the Works

In this period I had investigated a number of liquid crystalline materials including homologous series by X-ray Diffraction, Optical and Diamagnetic Anisotropy techniques to determine the orientational order parameters $\langle P_2 \rangle$ and $\langle P_4 \rangle$ (from X-ray only) at different temperatures and in different mesophases. The purpose of this work was to compare experimental results with different mean field theories and to justify the different assumptions involved in different techniques. In addition to the order parameters I also determined some other properties like inter-molecular distance, apparent molecular length (for nematics), layer thickness (for smectics), short-range correlation length and molecular association in mesophases by X-ray diffraction method. From X-ray diffraction I could also detect a second order transition order transition in the smectic B phase in one sample.

In optical birefringences technique, the refractive indices (n_o, n_e) and density of the liquid crystalline materials have been measured to get the optical polarizabilities (α, α_e) assuming both isotropic and anisotropic internal field models and hence order parameter $\langle P_2 \rangle$ as a function of temperature. In course of this work I could detect anomalous behavior of refractive index (n_o) and density values of a compound by this technique and confirmed with X-ray diffraction data. The $\langle P_2 \rangle$ values have been found to be suffered much deviation from the mean field theories near clearing temperature.

In the diamagnetic anisotropy studies I measured the diamagnetic susceptibilities (χ_o, χ_e) of the liquid crystal samples at different temperatures by an ***instrument designed and fabricated by myself***. A very sensitive electro-magnetic balance had been fabricated for this purpose. The experimental susceptibility values and the density data were analyzed to obtain the orientational order parameter $\langle P_2 \rangle$. Calculation of order parameter in this technique is very straightforward and involved no internal field problem.

In general order parameter values $\langle P_2 \rangle$ obtained from X-ray diffraction method are slightly higher than those obtained from other two methods. This apparent contradiction may be the result of different types of approximations and averaging involved in calculating orientational order parameter from experimental data obtained from X-ray studies in one hand, and optical birefringence and magnetic susceptibility measurements on the other hand. Besides, in case of X-ray diffraction the micro structure of the samples is involved whereas in cases of the other two methods the macro structure is in the picture. So the short range ordering may influence the $\langle P_2 \rangle$ values obtained from X-ray diffraction.

B. Post-doctoral Research :-

i) 1987 to 1989 :

At North Bengal University, India in collaboration with Professor Ranjit Paul and Dr. (Mrs.) Sukla Paul in the field of Liquid Crystal under my ***Minor Research Project sponsored by University Grants Commission, New Delhi, India.***

Brief Write-up of the Works

During this period I had investigated a homologous series possessing Smectic-A (Sm-A) phase by optical birefringence technique. The experimental order parameter values in the smectic-A phase were compared with McMillan's mean field theory for Sm-A phase. The corresponding software for calculations following McMillan's theory had been developed in this period. The experimental results showed a pronounced odd-even effect in this series. In another compound (CBOOA) I could observe a first order transition from Sm-A to nematic phase by our density and refractive index data. Besides, I had carried out X-ray diffraction and magnetic anisotropy studies on some compounds during this period. Moreover, I could do some computational works on two homologous series of nCB and nOCB from their refractive index data to observe odd-even effect in their order parameter values.

ii) 1990 to 1996 :

In the Department of Spectroscopy, Indian Association for the Cultivation of Science (IACS), India in collaboration with Dr. Subir Kumar Roy in the field of Dielectric Properties Studies on Ferroelectric and Ordinary Liquid Crystalline Materials.

ALSO

At Bhabha Atomic Research Centre (BARC), Trombay, India in collaboration with Dr. (Mrs.) K. Usha Deniz and Dr. S. K. Paranjpe of Solid State Physics Division in the field of Neutron Scattering Studies on Liquid Crystal Binary Mixtures by getting one ***Project from Inter-University Consortium for Department of Atomic Energy Facilities, Indore, India.***

Brief Write-up of the Works

In the **Department of Spectroscopy, IACS** the dielectric properties of ferroelectric and ordinary liquid crystalline materials had been studied. We studied here the dipole-dipole association for two ordinary liquid crystalline samples by measuring dielectric constant in para-xylene solvent at different concentrations. The results in terms of Kirkwood correlation factor (g_1) suggest that the molecular association depends on the molecular shape and polarizability anisotropy of the system. Besides, the dielectric properties of two ferroelectric liquid crystal mixtures of low spontaneous polarization had been studied with and without D.C. bias voltage, frequency and cell thickness. The well-known Goldstone relaxation mode in the smectic-C* (Sm-C*) phase and soft mode in the smectic-A (Sm-A) phase were observed. In one of the two samples we could observe an unknown relaxation mode. The relaxation frequencies, dielectric strength and the rotational viscosity (Goldstone mode only) had been determined with and without D.C. bias field.

In **Bhabha Atomic Research Centre** I had investigated two types of liquid crystal binary mixtures showing, (i) re-entrant nematic phase and (ii) injected smectic-A phase by neutron scattering technique. The purpose of this study was to know how the short range correlation length (ξ) perpendicular to the director would change with the change of composition i.e. in different phases.

C. Post Doctoral Research in abroad : STA Fellow.

(From October, 1996 to March, 1998)

- a) Sponsored by : *Japan International Science and Technology Exchange Center (JISTEC), JAPAN.*
- b) Name and address of the Host : *Professor Akihiro Abe
Department of Industrial Chemistry
Tokyo Institute of Polytechnics
1583 Iiyama, Atsugi-shi
Kanagawa 243-02, JAPAN.*

Brief Write-up of the Works

During the of STA Fellowship I have carried the following research works in Tokyo Institute of Polytechnics, Atsugi, Kanagawa, Japan :

The phase diagrams of the transition for solutions of poly (γ - benzyl L - glutamate) [PBLG] (M_w = 110K, 69K and 26K) in the mixed solvents comprising dichloroethane (DCE) and dichloroacetic acid (DCA) have been constructed. In most cases the ratio of DCE : DCA = 20 : 80, w/w was maintained but other ratios of DCE : DCA were also used. Around the room temperature, PBLG exists in the α -helical form, and thus a lyotropic system changes in the order — isotropic, biphasic and and liquid crystalline phases with increasing concentration of PBLG. At lower temperature, PBLG tends to take up a random-coil form and the system becomes isotropic over the entire range of concentration.

^1H and ^{13}C NMR techniques were employed to elucidate the molecular mechanism of the transition of representative mixtures chosen from the phase diagram. The resonance peaks due to amide- and α -proton as well as α -carbon are sensitive to the backbone conformation. For all the mixtures investigated, the signal arising from the helix and coil segments were found to co-exist in the intermediate transition region, suggesting that the rate of interconversion between the two segments are slow relative to the NMR time scale.

By using amide - deuterated PBLG, the rate of deuterium - proton exchange rate was also investigated in all the characteristic regions, i.e., α -helix, coil and intermediate transition states. The activation energies in the helix and coil states have been calculated. It is found that the magnitude of the activation energy in the helix state is higher than in coil state.

Besides, the conformational studies on 1,2 -dimethoxyethane (DME), a model compound of poly (oxyethelene) (POE) and ethylene glycol dibenzoate, model compound of poly (ethylene terephthalate) (PET) have been carried out by using NMR technique. The observed temperature dependance of the vicinal coupling constants was analyzed on the basis of the rotational isomeric state scheme. The three state Rotational Isomeric State (RIS) models are also being adopted to describe the conformation dependent properties of POE and PET. The mean-square dimension ratio ($\langle r^2 \rangle_0/M$), persistence length, dipole moment and trans gauss fraction of C-C and C-O bonds are mostly calculated with RIS models in substantial accord with the available experimental data.

9. List of Major Instruments Operated :-

- i) X-ray Generator (15 mA, 30kV), Radon House,
- ii) Optical Micros Densitometer, VEB Carl Zeiss, model : MD100,
- iii) Abe's Refractometer,
- iv) Impedance Analyzer, Hewlett-Packard, model : HP4192A,
- v) Profile Analysis Spectrometer for Scattered Neutrons,
- vi) Mettler Hot State, model : FP 82HT,
- vii) Polarizing Microscope, Olympus, model : BX50,
- viii) DSC Apparatus, TA Instruments, model : 2920 modulated DSC,
- ix) NMR machine (500 MHz), JEOL, model : JNM-LA-500.

10. National Seminar/Symposia/ Workshops attended :

- i) Solid State Physics Symposium, BARC, Bombay, 1984.
- ii) Seminar on Phys. of Positionally Disordered Materials, B.H.U., 1986.
- iii) National Seminar on Ferroelectrics and Dielectrics, Kharagpur, I.I.T., 1986.
- iv) Solid State Physics Symposium, BARC, Bombay, 1988.
- v) Course on Neutrons as Probes in Condensed Matter, BARC, Bombay and I.I.T., Madras, June, 1991.
- vi) Solid State Physics Symposium, B.H.U., 1991.
- vii) Winter Workshop on Liquid Crystals, Dept. of Phys., N. B. U., December, 1992.
- viii) Solid State Physics Symposium, BARC, Bombay, 1993.
- ix) National Seminar on Liquid Crystals, NERIST, Itanagar, December, 1994.
- x) Workshop on Computational Techniques of Neutron Scattering Data, Indore, March, 1995.
- xi) Solid State Physics Symposium, BARC, Bombay, 1994.
- xii) Seminar on Environment Studies in Collegiate Education, Bangabasi College of Commerce, Kolkata, September, 2000.
- xiii) Refresher Course on Physics, Academic Staff College, University of Calcutta, from December 22, 2000 to January 13, 2001.
- xiv) Refresher Course in Electronic Science, Academic Staff College, University of Calcutta, from July 26, 2001 to August 16, 2001.
- xv) National Seminar on Globalization and its Impact on Higher Education in India, Presidency College, Kolkata on January 01, 2003.
- xvi) Seminar on Global Scenario of Cyber World & Communication, New Alipore College, Kolkata, December 21, 2002.
- xvii) National Seminar on Current Trends in Research at the Cross-roads of Physics, Chemistry and Biology, Scottish Church College, Kolkata, December 20, 2003.
- xviii) Seminar on Environmental Change and its Impact, Bangabasi Morning College, Kolkata, March 18-19, 2004.
- xix) Seminar on U.G.C. Proposed Model Act for the University, Bangabasi College, Kolkata, April 03, 2004.
- xx) National Seminar on Hundred Years of Three Seminal Papers of Albert Einstein and Contemporary Ideas, North Bengal University, January 03-05, 2005.
- xxi) Seminar on Science Philosophy Interface, Bangabasi College, Kolkata, March 04-05, 2005.
- xxii) Master Resource Person's Training Programme on "World Year Physics 2005", Institute of Physics, Bhubaneswar, July 27-29, 2005.
- xxiii) Seminar on Physics in the Light of 21st Century, Bangabasi Evening College, Kolkata,

September 19, 2005.

xxiv) Workshop in Microprocessor for College Teachers, Dept. of Physics, C. U., December 26-31, 2005.

xxv) Seminar on New Dimension of Human Rights in the 21st Century, Bangabasi Morning College, Kolkata, March 21-22, 2006.

xxvi) Seminar on Undergraduate Physics Education & Advancement in Physics Research, Sammilani Mahavidyalaya, Kolkata, November 24-25, 2006.

xxvii) Seminar on Context and Culture in our Language Classrooms, American Centre, Kolkata, February 9, 2015.

xxviii) Seminar on Corporate Fraud and its Impacts on Indian Business Environment, Bangabasi Morning College, Kolkata, March 17, 2015.

xxix) Seminar on Cyber Crime, Bangabasi Morning College, Kolkata, March 16, 2015.

xxix) Conference on Environmental Impacts on Health: Towards a Better Future, Bangabasi Morning College, Kolkata, March 27-28, 2015.

11. International Seminar/Symposia/ Conferences/Workshops attended :

- i) IX International Liquid Crystal Conference, Bangalore, India, December, 1982.
- ii) XIV International Meeting and General Assembly of Crystallography, Perth, Australia, August, 1987.
- iii) Seminar on Japanese Polymer Society, Nagoya, Japan, October 1-13, 1997.
- iv) 5th. Pacific Polymer Conference, Kyongju, Korea, October 26-30, 1997.
- v) International Workshop on Structural Biology, Tokyo, Japan. March 5-6, 1998.
- vi) II International School on Powder Diffraction – 2001, IACS, Jadavpur, Kolkata, November 12-14, 2001.

12. Organize Seminar :

- a. Title of the Seminar : **Environmental Change and its Impact.**
- b. Sponsors : **U. G. C., New Delhi**
and
Dept. of Science and Technology, Govt. of West Bengal.
- c. Venue : **Bangabasi Morning College**
- d. Dates : **March 18-19, 2004.**
- e. Convener : **Dr. Mukul Kumar Mitra**

Present Field of Interest

Computer Simulation of X-ray Diffraction Pattern in Low ordered Liquid

Crystalline Phases

Liquid Crystals are in between or better to say integrate the long-range order with the liquid short-range order. For rod-like molecules a series of liquid crystalline (LC) phases exist.

- Highly ordered crystalline smectic phases like smectic B, E, G, H, J and K phases which possess long-range molecular orientational and positional order within the layers, accompanied by long-range molecular bond-orientational order. All these phases show three-dimensional bond-orientational order. All these phases show three-dimensional lattice with collective lattice distortion within a finite size;
- Medium ordered LC smectic phases like hexatic smectic B phase and the tilted smectic I, F phases, which are characterized by long-range orientational order and short-range positional order between the layers, accompanied by long-range bond-orientational order. All these phases show two-dimensional lattice structure with strong collective and incommensurate distortions;
- Low ordered tilted LC smectic C phase, characterized by long-range orientational order and long-range bond-orientational order;
- Low ordered smectic A phase, characterized by long-range orientational order and short-range bond-orientational order;
- LC Nematic phase with a quasi-long-range orientational order, characterized as one-dimensional anisotropic liquid with very strong density fluctuation.

My interest is concentrated to deal with LC Nematic and smectic A phases under special consideration of molecular orientational and structural correlation. Attempts are being done to simulate small-angle scattering patterns. My simulated data will be compared with the experimental data taken by me previously. I shall also try to determine the structural parameters in LC phases quantitatively. A few important references are listed below for this purpose.

References

1. L. E. Alexander, *X-ray Diffraction Methods in Polymer Science*, Wiley-Interscience, New York, 1969.
2. L. A. Feigin and D. I. Svergun, *Structural Analysis by Small-angle X-ray and Neutron Scattering*, (Plenum Press, New York), 1987.
3. A. J. Leadbetter, *The Molecular Physics of Liquid Crystals*, Editor: G. R. Luckhurst and G. W. Gray, (Academic Press, London), Chapter 13, *Structural Studies of Nematic, Smectic A and Smectic C Phases*, 1979.
4. P. S. Pershan (Editor), *Structure of Liquid Crystal Phases*, (World Scientific, Singapore, New Jersey, Hong Kong), 1988.
5. J. D. Gaskill, *Linear Systems, Fourier Transformations and Optics*, (John Wiley & Sons), 1978.

LIST OF COLLABORATORS

Name & Address of the Collaborator	Period	Field
1. Dr. (Mrs. Sukla Paul) Dept. of Physics North Bengal University Siliguri, India.	1982-1991	<ul style="list-style-type: none"> • X-ray diffraction and optical birefringence studies on liquid crystalline materials.

2. Dr. Pradip Kumar Mandal Dept. of Physics North Bengal University Siliguri, India.	1982-1987	<ul style="list-style-type: none"> X-ray diffraction and optical birefringence studies on liquid crystalline materials.
3. Dr. (Mrs.) Sakuntala Gupta Dept. of Physics Raiganje College Raiganje, India.	1988-1991	<ul style="list-style-type: none"> X-ray diffraction and optical birefringence studies on liquid crystalline materials.
4. Prof. Subir Kr. Roy Dept. of Spectroscopy Indian Association for the Cultivation of Science (IACS) Jadavpur, Kolkata, India.	1992-1996	<ul style="list-style-type: none"> Optical phase behaviour studies on liquid crystal mixture. Dielectric properties of ferroelectric and normal liquid crystals.
5. Dr. Tapas Pal Majumder Dept. of Physics Kalyani University Kalyani, India.	1992-1996	<ul style="list-style-type: none"> Optical phase behaviour studies on liquid crystal mixture. Dielectric properties of ferroelectric and normal liquid crystals.
6. Dr. (Mrs.) K. Usha Deniz Solid State Physics Division BARC, Bombay India.	1994-1997	<ul style="list-style-type: none"> Neutron scattering studies on liquid crystal mixtures
7. Dr. S. K. Paranjpe Solid State Physics Division BARC, Bombay India.	1994-1997	<ul style="list-style-type: none"> Neutron scattering studies on liquid crystal mixtures
8. Prof. Akihiro Abe Dept. of Industrial Chemistry Tokyo Institute of Polytechnics Japan.	1996-1998	<ul style="list-style-type: none"> Phase transition studies in polypeptide liquid crystals. NMR studies on polymeric liquid crystals and polymers. The conformational properties of polymeric compounds.
9. Dr. Toshihiro Hiejima Dept. of Industrial Chemistry Tokyo Institute of Polytechnics Japan.	1996-1998	<ul style="list-style-type: none"> Phase transition studies in polypeptide liquid crystals. NMR studies on polymeric liquid crystals and polymers. The conformational properties of polymeric compounds.
10. Dr. Hidemine Furuya Dept. of Polymer Chemistry Tokyo Institute Technology Japan.	1996-1998	<ul style="list-style-type: none"> NMR studies on polymeric liquid crystals and polymers. The conformational properties of polymeric compounds

Other Major Academic Activities by Dr. Mukul Kr. Mitra

1. Research projects completed :

- i) I had successfully completed a **Minor Research Project** sponsored by U. G. C., New Delhi during 1991-1993.
- ii) I had also completed a research project sponsored by **Inter- University Consortium for DAE Facilities**, Indore, during 1992-1995 in the field of **Neutron Scattering Studies on Liquid Crystal Mixtures**.

2. Post-doctoral fellowship abroad : In recognition of my research activities on liquid crystalline materials I received **STA Fellowship** for the period from October 1996 to March 1998.

a) Sponsored by : **Japan International Science and Technology Exchange Center (JISTEC), Japan.**

b) Name and address of the Host : **Professor Akihiro Abe
Department of Industrial Chemistry
Tokyo Institute of Polytechnics
1583 Iiyama, Atsugi-shi
Kanagawa 243-02, JAPAN.**

3. Convener of a Seminar : A seminar on **Environmental Change and its Impact** was organized at our college on March 18-19, 2004. The seminar was sponsored by U. G. C., New Delhi and D. S. T., Govt. of West Bengal. I was Convener of this seminar.

4. Delivered seminar talk : In the process of celebrating hundred years of three seminal papers of Albert Einstein and contemporary ideas I delivered a seminar talk on "**Liquid Crystal – a Fourth State of Matter**" at our college on February 20, 2005.

5. Science popularization programme : Attended as a D.P.I. nominee on **Master Resource Persons' Training Programme for Eastern Zone on World of Physics 2005**, Institute of

LIST OF PUBLICATIONS (Dr. Mukul Kumar Mitra)

1. X-ray Diffraction and Optical Studies of an Schiff's Base Liquid Crystal
P. Mandal, **M. Mitra**, S. Paul and R. Paul, **Liquid Crystals**, **2**, 183, 1987.
2. Orientational Order Parameters of (-)-2-Methylbutyl p-(N-(p-Methoxybenzylidene) Amino) Cinnamate in Smectic B Phase from X-ray Diffraction Measurements
M. Mitra, K. Bhattacharjee, S. Paul and R. Paul, **Phase Transitions**, **9**, 337, 1987.
3. Order parameters From Magnetic Susceptibility Measurements on some Nematogens

- M. Mitra** and R. Paul, *Mol. Cryst. Liq. Cryst.*, **148**,185, 1987.
4. Optical Birefringence and Order Parameter of Three Nematogens
M. Mitra, S. Paul and R. Paul, *PRAMANA – J. Phys.*, **29**, 409,1987.
 5. Nematic Order of APAPA from X-ray Diffraction and Optical Studies
M. Mitra, K. Bhattacharjee, R. Paul and S. Paul, *Mol. Cryst. Liq. Cryst.*, **149**,203, 1988.
 6. Anomalous Density and Refractive Index Variation of a Nematic Liquid Crystal
M. Mitra, S. Paul and R. Paul, *Liquid Crystals*, **3**, 123, 1988.
 7. Mesomorphic Properties and Molecular Structure of Four Closely Related Compounds
M. Mitra, R. Paul and S. Paul, *Mol. Cryst. Liq. Cryst.*, **177**, 71, 1989.
 8. Optical Birefringence Studies on the Mesophase of CBOOA
M. Mitra, S. Gupta, R. Paul and S. Paul, *Ind. J. Phys.*, **63A**, 813, 1989.
 9. Magnetic and Optical Properties of 5OCB
M. Mitra, R. Paul and S. Paul, *Acta Physica Polonica*, **A78**, 453, 1990.
 10. Molecular Polarizabilities and Order Parameters of Schiff's Base Compounds
M. Mitra, B. Majumder, S. Gupta, R. Paul and S. Paul, *Mol. Cryst. Liq. Cryst.*, **180B**, 187, 1990.
 11. Molecular Polarizabilities and Orientational Ordering of Two Mesogens
M. Mitra, S. Paul and R. Paul, *Z. Naturforsch.*, **44a**, 858, 1991.
 12. Orientational Ordering From Molecular Polarizabilities and Odd-Even Effect in nCB Homologous Series
M. Mitra, *Phase Transitions*, **37**, 131, 1992.
 13. Orientational Ordering of a Nematogen From X-ray Diffraction Studies
A.Seal, **M. Mitra**, S. Paul and R. Paul, *Mol. Cryst. Liq. Cryst.*, **225**, 355, 1993.
 14. Nematic Ordering in nOCB Series From Molecular Polarizabilities
M. Mitra, *Mol. Cryst. Liq. Cryst.*, **241**, 17, 1994.
 15. Dielectric Relaxation and Rotational Viscosity of a Ferroelectric Liquid Crystal Mixture
T. Pal Majumder, **M. Mitra** and S. K. Roy, *Phys. Rev.*, **50**, 4796, 1994.
 16. Dielectric Studies for Dipole-Dipole Association of Mesogenic Molecules in Para-xylene
Tapas Pal Majumder, Subir K. Roy and **Mukul Mitra**, *Mol. Cryst. Liq. Cryst.*, **261**, 41, 1995.
 17. Dielectric Properties of a Ferroelectric Liquid Crystal Mixture under Bia Electric Field
Tapas Pal Majumder, Susanta Sinha Roy, Subir K. Roy and **Mukul Mitra**, *Mol. Cryst. Liq. Cryst.*, **265**, 577,1995.
 18. Phase Behavior and Birefringence Studies of a Liquid Crystal Binary Mixture
M. Mitra, S. S. Roy, T. Pal Majumder and S. K. Roy, *Mol. Cryst. Liq. Cryst.*, **301**, 363, 1997.
 19. Neutron Scattering Studies on Reentrant Nematic Phase
M. Mitra, S. K. Paranjpe and K. Usha Deniz, *Mol. Cryst. Liq. Cryst.*, **303**, 103, 1997.
 20. The Coil-Helix Transition in the Ternary System Poly (-benzyl L-glutamate)/ Dichloroacetic acid/Dichloroethane
Mukul Mitra, Toshihiro Hiejima and Akihiro Abe, *Proceedings of the Seminar of Japanese Polymer Society, Nagoya*, **46**, No. 11, p.2787, October 1-3, 1997.
 21. Phase Transitions in Polypeptide Liquid Crystals : Helix-coil Transition and Molecular Weight Dependence
Mukul Mitra, Toshihiro Hiejima and Akihiro Abe, *Preprints of 5th. Pacific Polymer Conference*, Kyongju, Korea, p-470, October 26-30, 1997.
 22. The Polyoxyethylene Chain – on the Origin of its Conformational Flexibility
A. Abe, H. Furuya, **M. K. Mitra** and T. Hiejima, *Computational and Theoretical*

- Polymer Sc.*, **8**, 253, 1998.
23. Helix-coil Transition of poly (-benzyl L-glutamate) in a Mixed Solvent Comprising DCE and DCA
Mukul Mitra, Toshihiro Hiejima and Akihiro Abe, *Proceedings of International Workshop on Structural Biology, Tokyo*, Japan, March 5-6, 1998.
24. The Polyoxyethylene Chain – on the Origin of its Conformational Flexibility
Akihiro Abe, Hidemine Furuya, **Mukul K. Mitra** and Toshihiro Hiejima, *Proceedings of the 37th International Symposium on Macromolecules, Gold Coast*, Australia, July 13-17, 1988.
25. Introduction to liquid Crystal – a Fourth State of Matter, **Mukul Kr. Mitra**, Accepted for publication in Academic Journal, Bangabasi Morning College, Kolkata, **1**, 2015.

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Curriculum Vita and list of publications of **Dr. Anindya Sarkar**

- A. Name : Anindya Sarkar
- B. Designation : Assistant professor in Physics
- C. Institution : Bangabasi Morning College,
19 R.C. Sarani, Kolkata 700 009.
Tel. ++ 91-33 2350 9210 (O)
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e-mail: sarkarc@gmail.com
- D. Date of Birth : 06.04.1972
- E. Academic Qualification : M.Sc. (Physics), Ph. D. (Physics
Experimental), Title: **STUDY OF
SWIFT ION IRRADIATION ON
SUPERCONDUCTING AND OTHER
OXIDES.**
- F. Positions held : (a) **Research fellow, Council of
Scientific and Industrial
Research (CSIR), Govt. of India,**
From 01.03.1997 to 06.08.2001
With NET (JRF+SRF) fellowship.
- (b) **Lecturer** from 07.08.2001,
Assistant Professor from 01.01.06

- G. Experience : Teaching (**13 years** at **graduate** level, **3 years practical** teaching at **Calcutta University M. Sc.** positron laboratory & **Guest Lecturer** on **Superconductivity** (2005-2014) for **M. Tech** course at **Bengal Engineering and Science University**, Shibpur, Howrah, India)
- : Research 15 years
- H. Award/Prize/Certificate etc. : Awarded CSIR (Govt. of India), JRF (NET) on December 11, 1996
- I. Publications (Number only) : Research Papers (Int.) **48 (Forty eight)**
National Journal/Proc. **03 (three)**
Reports **1** Books **1** In preparation **2**
Total citations ~ **800** h index **16**

B. *Research experience*

- [1] Polycrystalline sample preparation mainly **HTSC, CMR, spinel oxides, II-VI semiconductors**.
- [2] Preparation of **nanophase materials** by **ball-milling** and **chemical process**.
- [3] **Experience of developing Positron lifetime measurement set-up with very low time resolution (185 ps)**.
- [4] **Experience of setting up Coincidence Doppler broadening set up in the Calcutta University Positron Laboratory**.
- [5] **Experience on low temperature experiments (30 K) of resistivity, Positron and Mossbauer spectroscopy**.
- [6] Participated in five beam time experiments at **pelletron accelerator** at NSC, New Delhi.
- [7] Participated in one beam time experiment at **cyclotron accelerator** at VECC, Kolkata.
- [8] Participated in one beam time experiment (**Compton scattering expt.**) at ESRF, Grenoble, France.
- [9] Experience in experiments with positron beam (**positron scattering experiment with molecular gases**) at Trento, Italy.
- [10] Knowledge on **optical absorption** measurement and analysis.
- [11] **DFT** calculation by VASP.

[12] Growth and characterization of **ZnO nanowires**.

LIST OF PUBLICATIONS

(Also in http://scholar.google.co.in/citations?user=_DMvnzoAAAAJ&hl=en)

(A) On high temperature superconducting (HTSC) materials

- [1] **Enhancement and degradation of T_c in Bi-HTSC due to Li^{3+} irradiations**, A. Sarkar, Udayan De, D. Sanyal, Ravi Kumar and D. Banerjee, *Nucl. Instru. & Meth. B* **156** (1999) 50.
- [2] **Probing single crystalline $Bi_2Sr_2CaCu_2O_{8+\delta}$ by positron annihilation spectroscopy**, M. Chakraborti, A. Sarkar, S. Chattopadhyay, D. Sanyal, R. Bhattacharya, A. K. Pradhan and D. Banerjee, *Solid State Commun.* **128** (2003) 321.
- [3] **Studies of coincidence Doppler broadening of the electron-positron annihilation radiation in the single crystalline $Bi_2Sr_2CaCu_2O_{8+\delta}$ superconductor**, M. Chakraborti, A. Sarkar, D. Sanyal, G.P. Karwasz and A. Zecca, *Phys. Lett. A* **321** (2004) 376.
- [4] **Doppler broadening of the electron-positron annihilation radiation in La-Y-Ca-Ba-Cu-O superconductor**, Mahuya Chakraborti, K.R. Mavani, S. Chattopadhyay, A. Sarkar and D. Sanyal, *Phys. Lett. A* **329** (2004) 231.
- [5] **Doppler broadening measurements of positron annihilation in single crystalline $Bi_2Sr_2CaCu_2O_{8+d}$ high T_c superconductor along two different crystallographic directions**, Mahua Chakraborti, S. Chattopadhyay, A. Sarkar, D. Sanyal and A. Chakraborti, *Physica C* **416** (2004) 25.
- [6] **Interesting aspects of the analysis of resistivity in Li^{3+} irradiated Bi-2212**, A. Sarkar, S. Chattopadhyay, Ravi Kumar and Udayan De, *Nucl. Instru. & Meth. B* **230** (2005) 284.
- [7] **Unusual metal-like state in HTSC and CMR oxides**, S. Chattopadhyay, Ravi Kumar and A. Sarkar, *Nucl. Instru. & Meth. B* **244** (2006) 132.

(B) On colossal magnetoresistive (CMR) manganites

- [1] **Positron annihilation studies on $\text{La}_{(1-x)}\text{Pb}_x\text{MnO}_3$ system**, A. Banerjee, B.K. Chaudhuri, A. Sarkar, D. Sanyal, and D. Banerjee, *Physica B* **299** (2001) 130.
- [2] **Positron annihilation lifetime studies on $\text{La}_{0.5}\text{Pb}_{0.5}\text{Mn}_{1-y}\text{Cr}_y\text{O}_3$** , A. Banerjee, A. Sarkar, D. Sanyal, P. Chatterjee, D. Banerjee and B.K. Chaudhuri, *Solid State Commun.* **125** (2003) 65.
- [3] **Study of 50 MeV Li^{3+} irradiation induced changes in $\text{La}_{0.7}\text{Pb}_{0.3}\text{MnO}_3$** , S. Chattopadhyay, A. Banerjee, A. Sarkar, Ravi Kumar, B.K. Chaudhuri and D. Banerjee, *Radiation Meas.* **36** (2003) 689.
- [4] **Effect of Li^{3+} irradiation on the transport properties of $\text{La}_{0.7}\text{Pb}_{0.3}\text{MnO}_3$ type CMR material**, S. Chattopadhyay, A. Sarkar, Aritra Banerjee, S. Karmakar, D. Banerjee, Ravi Kumar and B.K. Chaudhuri, *Nucl. Instr. & Meth. B* **226** (2004) 274.
- [5] **Radiation damage effects in CMR manganite materials**, S. Chattopadhyay, Sudipto Pal, A. Sarkar, Ravi Kumar and B.K. Chaudhuri, *Nucl. Instr. & Meth. B* **230** (2005) 274.
- [6] **Studies of quenched disorder in $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ -type manganite system from magnetic, transport and positron annihilation spectroscopic measurements**, S. Chattopadhyay, A. Sarkar, Sudipta Pal, S.D. Kulkarni, P.A. Joy, and B.K. Chaudhuri, *Physica B* **398** (2007) 23.

(C) On II-VI and other semiconducting materials

- [1] **Electrical conductivity, thermo-electric power and structure of differently heat-treated CdO**, Udayan De, M.K. Chattopadhyay, S. Chaudhury, A. Sarkar, D. Sanyal and T.K. Dey, *J. Phys. & Chem. of Solids* **61** (2000) 1955.
- [2] **Resonance Scattering and RBS from non-stoichiometric Oxide**, Udayan De, K.C. Verma, P. Karmakar, A. Sarkar, Soma Dey and Sikha Verma, *Nucl. Instr. & Meth. B* **212** (2003) 505.
- [3] **Grain size dependence of optical properties and positron annihilation parameters in Bi_2O_3 powder**, Mahua Chakraborti, S. Chattopadhyay, A. Sarkar, D. Sanyal and A. Chakraborti, *Nanotechnology* **15** (2004) 1792.

- [4] **Doppler broadening measurements of the electron-positron annihilation radiation in nanocrystalline ZrO_2** , Mahua Chakraborti, D. Bhowmick, A. Sarkar, S. Chattopadhyay, S. DeChoudhury, D. Sanyal and A. Chakraborti, *J. Mater. Sci.* **40** (2005) 5265.
- [5] **Defect dynamics in annealed ZnO by positron annihilation spectroscopy**, Sreetama Dutta, Mahuya Chakraborti, S. Chattopadhyay, D. Jana, D. Sanyal, and A. Sarkar, *J. Appl. Phys.* **98** (2005) 053513.
- [6] **Annealing effect on nano-ZnO powder studied from positron lifetime and optical absorption spectroscopy, spectroscopy**, Sreetama Dutta, S. Chattopadhyay, D. Jana, A. Banerjee, S. Manik, S.K. Pradhan, Manas Sutradhar, and A. Sarkar, *J. Appl. Phys.* **100** (2006) 114328.
- [7] **Defects and optical absorption in nanocrystalline ZnO**, Sreetama Dutta, S. Chattopadhyay, Manas Sutradhar, A. Sarkar, Mahuya Chakraborti, D. Sanyal, D. Jana, *J. Phys.: Condens. Matter* **19** (2007) 236218.
- [8] **Role of defects in tailoring structural, electrical and optical properties of ZnO**, Sreetama Dutta, S. Chattopadhyay, A. Sarkar, Mahuya Chakraborti, D. Sanyal, D. Jana, *Prog. Mater. Sci.* **54** (2009) 89.
- [9] **Synthesis and characterization of single phase Mn doped ZnO**, S. Chattopadhyay, S. Dutta, A. Banerjee, D. Jana, S. Bandyopadhyay, S. Chattopadhyay and A. Sarkar, *Physica B* **404** (2009) 1509.
- [10] **A study on defect dynamics in annealed Si_3N_4 nanoparticles by positron annihilation spectroscopy**, S. Chattopadhyay, S. Dutta, D. Jana, S. Chattopadhyay, D. Das, Mahuya Chakraborti, D. Sanyal and A. Sarkar, *Physica Status Solidi C* **6** (2009) 2533.
- [11] **Electrical resistivity peculiarities and positron lifetime in annealed CdO**, A. Sarkar, S. Chattopadhyay and Udayan De, *Physica Status Solidi C* **6** (2009) 2526.
- [12] **Interplay of defects in 1.2 MeV Ar irradiated ZnO**, S. Chattopadhyay, S. Dutta, D. Jana, S. Chattopadhyay, A. Sarkar, P. Kumar, D. Kanjilal, D.K. Mishra and S.K. Ray, *J. Appl. Phys.* **107** (2010) 113516.
- [13] **Optical property modification of ZnO: Effect of 1.2 eV Ar irradiation**, S. Chattopadhyay, S. Dutta, P. Pandit, D. Jana, S. Chattopadhyay, A. Sarkar, P. Kumar, D. Kanjilal, D.K. Mishra and S.K. Ray, *Phys. Stat Sol. C* **8** (2011) 512.

- [14] **Defect induced ferromagnetism in Mn doped ZnO**, S. Chattopadhyay, S.K. Neogi, A. Sarkar, M.D. Mukadam, S.M. Yusuf, A. Banerjee, S. Bandopadhyay, *J. Mag. Mag. Mater.* **323** (2011) 363.
- [15] **Positron lifetime and photoluminescence investigation on single crystalline ZnO**, A. Sarkar, Mahuya Chakraborti, S. K. Ray, D. Bhowmick and D. Sanyal, *J. Phys.: Condens. Matter* **23** (2011) 155801.
- [16] **Effect of 50 MeV Li³⁺ irradiation on structural and electrical properties of Mn doped ZnO**, S. K. Neogi, S. Chattopadhyay, Aritra Banerjee, S. Bandopadhyay, A. Sarkar, and Ravi Kumar, *J. Phys.: Condens. Matter* **23** (2011) 205801.
- [17] **Disorder driven optical processes in nanocrystalline ZnO**, S. Chattopadhyay, S. K. Neogi, P. Pandit, S. Dutta, T. Rakshit, D. Jana, S. Chattopadhyay, A. Sarkar, and S.K. Ray, *J. Lum.* **132** (2012) 6.
- [18] **Probing Materials by Positron Annihilation Technique and Mossbauer Spectroscopy- Review**, Mahuya Chakraborti, S. Chattopadhyay, D. Sanyal, A. Sarkar, D. Jana, *Mater. Sci. Forum* **699** (2012) 1.
- [19] **Photoluminescence and positron annihilation spectroscopic investigation on H⁺ irradiated ZnO single crystal**, A. Sarkar, Mahuya Chakraborti, D. Sanyal, D. Bhowmick, S. Dechoudhury, A. Chakrabarti, T. Rakshit and S.K. Ray, *J. Phys.: Condens. Matter* **24** (2012) 325503.
- [20] **Defects in 700 keV oxygen ion irradiated ZnO**, S. Pal, A. Sarkar, S. Chattopadhyay, Mahuya Chakrabarti, D. Sanyal, P. Kumar, D. Kanjilal, T. Rakshit, S. K. Ray and D. Jana, *Nucl. Instrum. & Meth.* **B 311** (2013) 20.
- [21] **Defects in 6 MeV H⁺ irradiated hydrothermal ZnO single crystal**, A. Sarkar, M. Chakraborti, D. Bhowmick, A. Chakrabarti, S.K. Ray, D. Rafaja and D. Sanyal, *J. Phys.: Condens. Matter* **25** (2013) 385501.
- [22] **Zinc vacancy induced ferromagnetism in nanocrystalline ZnO**, S. Ghose, A.Sarkar, S. Chattopadhyay, M. Chakraborti, D. Das, T. Rakshit, S.K. Ray and D. Jana, *J. Appl. Phys.* **114** (2013) 073516.
- [23] **Room temperature ferromagnetic ordering in 4 MeV Ar⁵⁺ irradiated rutile TiO₂**, D. Sanyal, M. Chakraborti, P. Nath, A. Sarkar, D. Bhowmick and A. Chakrabarti, *J. Phys. D: Appl. Phys.* **47** (2014) 025001.

- [24] **Defect driven ferromagnetism in SnO₂: A combined study using Density functional theory and positron annihilation spectroscopy**, A. Sarkar, D. Sanyal, P. Nath, M. Chakraborti, S. Pal, S. Chattopadhyay, D. Jana and K. Asokan, *RSC Adv.* **5** (2015) 1148.
- [25] **Native defects and optical properties of Ar ion irradiated ZnO**, S. Pal, A. Sarkar, D. Jana, P. Kumar, T. Rakshit and S. K. Ray, *Adv. Mater. Lett.* **6** (2015) 365.
- [26] **Low temperature photoluminescence from disordered granular ZnO**, S. Pal, A. Sarkar, P. Kumar, D. Kanjilal, T. Rakshit, S. K. Ray and D. Jana, *J. Lum.* **169** (2016) 326.

(D) On Positron-Molecule interaction

- [1] **Positron scattering from 3-hydroxy-tetrahydrofuran**, Antonio Zecca, Luca Chiari, A. Sarkar, M.J. Brunger, *J. Phys.: B At. & Mol. Phys.* **41** (2008) 085201.
- [2] **Low energy positron scattering from methanol and ethanol: Total cross sections**, Antonio Zecca, Luca Chiari, A. Sarkar, Kate L. Nixon and M.J. Brunger, *Phys. Rev. A* **78** (2008) 022703.
- [3] **Positron scattering from Formic acid**, Antonio Zecca, Luca Chiari, A. Sarkar, Marco A.P. Lima, Marcio H.F. Bettega, Kate L. Nixon and M.J. Brunger, *Phys. Rev. A* **78** (2009) 042707.
- [4] **Total cross sections for positron scattering H₂ at low energies**, Antonio Zecca, Luca Chiari, A. Sarkar, Kate L. Nixon and M.J. Brunger, *Phys. Rev. A* **80** (2009) 032702.
- [5] **Procedures for conditioning W and Ni moderators for application in positron scattering measurements**, Antonio Zecca, Luca Chiari, A. Sarkar, S. Chattopadhyay and M.J. Brunger, *Nucl. Instrum. & Meth.* **B 268** (2010) 533.
- [6] **Total cross section measurements for positron scattering from acetone**, Antonio Zecca, Luca Chiari, Emanuele Trainotti, A. Sarkar, and M.J. Brunger, *PMC Phys. B* **3** (2010) 4.
- [7] **Positron scattering from the isoelectronic molecules N₂, CO and C₂H₂**, A. Zecca, L. Chiari, A. Sarkar and M.J. Brunger, *New J. Phys.* **13** (2012) 115001.

[8] **Positron scattering from Ar**, A. Zecca, L. Chiari, A. Sarkar and M.J. Brunger, *J. Phys.: B At. & Mol. Phys.* **45** (2012) 015203.

[9] **Positron scattering from methane**, A. Zecca, L. Chiari, E. Trainotti, A. Sarkar, S. d' A. Sanchez, M. H.F. Bettega, M. T. do N. Varella, M.A.P. Lima and M.J. Brunger, *Phys. Rev. A* **85** (2012) 012707.

(E) Reports

[1] **Electron momentum density redistribution in YBCO across the superconducting transition**, C. Sternemann, M. Volmer, R. Fendt, A. Sarkar, M. Tolan, Udayan De, T. Wolf, T. Buslaps and N. Hiraoka, ESRF (Grenoble) user report 2004.

(F) Books

[1] **Studies of Cu-based High Temperature Superconductors by Using Coincidence Doppler Broadening of the Electron Positron Annihilation Radiation Measurement Technique**, Mahuya Chakrabarti, A. Sarkar, S. Chattopadhyay, D. Sanyal, *New Topics in Superconductivity Research* (Ed. Barry P. Martins), Nova Science Publishers, New York (2005).

(G) Communicated/In preparation

[1] **Donors and acceptors in heat treated granular ZnO**, S. Chattopadhyay, A. Sarkar, S. Pal, S. K. Ray and D. Jana, (In preparation).

[2] **Positron annihilation lifetime characterization of oxygen ion irradiated rutile ZnO**, H. Luitel, A. Sarkar, M. Chakrabarti, S. Chattopadhyay, K. Asokan and D. Sanyal (Communicated to NIM B)

(H) Papers/Abstracts in symposium proceedings

[1] Understanding the direction of T_c in superconductors due to particle irradiation, Udayan De, A. Sarkar, D. Sanyal, Ravi Kumar and D. Banerjee, *International Workshop on High- T_c Superconductors*, **Rajshahi, Bangladesh, November 2-6, 1998.**

- [2] Altered normal state and superconductivity in Li^{+3} - irradiated Bi-HTSC, A. Sarkar, Udayan De, D. Sanyal, Ravi Kumar and D. Banerjee, *Seventh National Symposium on Cryogenics, Nagpur, India, February 22-24, 1999*.
- [3] Defect dependence of fluctuation conductivity in Bi-HTSC, A. Sarkar, Udayan De, D. Sanyal, Ravi Kumar and D. Banerjee, *International Conf. on Defects in Correlated Electron System, Dresden, Germany, July 20-25, 2001*.
- [4] Fluctuation conductivity in differently heat treated Bi-HTSC, A. Sarkar, D. Sanyal, Udayan De and D. Banerjee, *International Symposium on Advances in Superconductivity & Magnetism: Materials, Mechanisms & Devices, Mangalore, India, September 25-28, 2001*.
- [5] Novel findings for differently heat treated CdO, Udayan De, A. Sarkar, A. Sanyal, K.C.Verma, Soma Dey, D. Banerjee and Sikha Verma, *44th DAE-Solid State Physics Symposium, Mumbai, India, December 26-30, 2001 (published as proceedings in Solid State Physics India, Vol. 44)*.
- [6] Study of 50 MeV Li^{3+} irradiation induced changes in $\text{La}_{0.7}\text{Pb}_{0.3}\text{MnO}_3$, S. Chattopadhyay, A. Banerjee, A. Sarkar, Ravi Kumar, B.K. Chaudhuri and D. Banerjee, *21st International Conference on Nuclear Tracks in Solids, New Delhi, India, October 21-25, 2002*.
- [7] Interesting observations from positron annihilation studies on spinel oxide nanoparticles, S. Chattopadhyay, R.N. Bhowmik and A. Sarkar, *International Conference on Nanoscience and Technology, Kolkata, India, December 17-20, 2003*.
- [8] Resistivity Peculiarities in Cadmium Oxide Material at Low Temperatures, K.C. Verma, A. Das, A. Sarkar and Udayan De, *46th DAE-Solid State Physics Symposium, Gwalior, India, December 26-30, 2003. (published as proceedings in Solid State Physics India, Vol. 46)*.
- [9] Investigations on annealed ZnO sample by positron annihilation spectroscopy, Sreetama Dutta, M. Chakraborti, S. Chattopadhyay, A. Sarkar, D. Sanyal, and D. Jana, *Condensed Matter Days-2004, Shilong, India, August 25-28, 2004*.
- [10] Defect dynamics in ion irradiated Bi-2212 studied from in-beam resistivity measurements, A. Sarkar, D. Sanyal, Ravi Kumar and Udayan De, *Indo-German Workshop on Synthesis and Modification of Nano-structured Materials by Energetic Ion Beams, New Delhi, India, February 20-24, 2005*.
- [11] Interesting observations from positron annihilation in nano-sized $\text{Zn}(\text{Ag})\text{S}$, A. Banerjee, Sanat Manik, Mahuya Chakraborti, S. Chattopadhyay, S.K. Pradhan, D. Sanyal and A.

Sarkar, *Int. Conf. on Nanoscience and Technology (ICONSAT 2006)*, **New Delhi, India, March 16-18, 2006.**

- [12] Defect identification in ZnO by positron spectroscopy, A. Sarkar, Mahuya Chakraborti, Sreetama Dutta, S. Chattopadhyay, D. Sanyal and D. Jana, *Int. Conf. on Laser and Nanomaterials (ICLAN 2006)*, **Kolkata, India, Nov. 30- Dec. 02, 2006.**
- [14] Electrical resistivity peculiarities and positron lifetime in annealed CdO, A. Sarkar, S. Chattopadhyay and Udayan De, *15th Int. Conf. on Positron Annihilation (ICPA-15)*, **Kolkata, India, January 18-23, 2009.**
- [15] Nature of normal state resistivity in high temperature superconductors, A. Sarkar, S. Chattopadhyay, R. Rawat and Ravi Kumar, *Int. Conf. on Magnetic Materials (ICMM)*, **Kolkata, India, October 25-29, 2010.**
- [16] Positron annihilation spectroscopic studies on $\text{La}_{1-x}\text{A}_x\text{MnO}_3$ (A= Ca, Sr, Pb and Ba) system, S. Chattopadhyay, A. Sarkar, M. Chakraborti, D. Sanyal, M. Kar, *National Workshop on Application of Radiation in Physical, Chemical and Life Sciences*, **Kolkata, India, September 4-6, 2013. (Proceedings in press)**

Invited talk(s)

- [1] Conference on **Positron/Positronium Annihilation**, 2nd Feb. 2004, Saha Institute of Nuclear Physics, Kolkata, India.
- [2] Discussion Meeting on **Materials science using Low energy ion beams**, 9th Sept. 2012, Inter University Accelerator Centre, New Delhi, India.
- [3] DAE-BRNS theme meeting on **Positron Annihilation Spectroscopy**, 9-10 December, 2013, Bhabha Atomic Research Centre, Mumbai, India.
- [4] Oral presentation entitled "**Point defects in 6 MeV H⁺ ion irradiated ZnO single crystal**", A. Sarkar, M. Chakraborti, T. Rakhsit, S. K. Ray and D. Sanyal, in "**Condensed Matter Days 2014**" Kolkata, India, **August 27-29, 2014.**
- [5] Oral presentation entitled "**Defects in 6 MeV H⁺ ion irradiated ZnO single crystal: theory and experiment**" A. Sarkar, M. Chakraborti, T. Rakhsit, S. K. Ray, D. Rafaja and D. Sanyal,

in Int. Conf. on “**Swift Heavy Ions in Materials Engineering and Characterization (SHIMEC 2014)**”, New Delhi, India, **October 14-17, 2014**.

Workshops/Schools/Seminars attended (Without abstract)

- [1] School on **Accelerator Based Science & Technology** at Nuclear Science Centre (NSC), New Delhi, India, April 14-24, 1998.
- [2] Workshop on **Swift Heavy Ions in Materials; Basic Phenomena & Applications** at Nuclear Science Centre (NSC), New Delhi, India, October 24th, 1998.
- [3] International School on **Powder Diffraction** at Indian Association for the Cultivation of Science (IACS), Kolkata, India, 7-10 October, 1998.
- [4] Workshop on **Experiments at Low Temperature** at Inter-University Consortium, Indore, India, 1-12 December, 1999.
- [5] Workshop on **Radioactive Ion Beams** at Puri, India, 24th October, 2000.

Collaborative work with other laboratories

- [1] With **Variable Energy Cyclotron Centre (VECC)**, Kolkata.
- [2] With **Nuclear Science Centre (NSC)**, New Delhi.
- [3] With **University of Burdwan (BU)**, Burdwan.
- [4] With **Indian Institute of Technology (IIT)**, Kharagpur
- [5] With **Inter University Consortium (IUC)**, Kolkata.

International Exposure

- [1] Visited **ESRF, Grenoble**, to carry out experiment on Compton scattering in HTSC materials during phase transition.
- [2] Visited **Grenoble High Magnetic Field Laboratory**.
- [3] Visited **Positron Collision Laboratory (2007 & 2009), Dipartimento di Fisika, Universita di Trento**, to carry out experiments on positron scattering with molecular gases.

Successfully completed projects

- [1] Successfully completed a **minor research project** entitled “**Defect identification and their correlation with optical properties of II-VI semiconductors**” funded by **University Grants Commission, Govt. of India (Sanction number: PSW-029/05-06, Tenure: 02.05.2006-01.05.2008)**.
- [2] Co-investigator of a **minor research project** entitled “**Defect induced magnetic properties of manganites**” funded by **University Grants Commission, Govt. of India (Sanction number: PSW-130/10-11, Tenure: 20.10.10-19.10.12)**.

Other academic works

- [1] Reviewer of **Elsevier Science** publishing journals.
- [2] Life Member of **Indian Physical Society**.
- [3] Guided two M. Tech. thesis on **high temperature superconductivity** at School of Materials Sci. & Engg., Bengal Engineering and Science University (BESU), Howrah, India.
- [5] **Maintenance and development of Positron lifetime Spectrometer (1998-2008)** at the University of Calcutta, Kolkata, India.

****X****

SEMINAR/CONFERENCES/WORKSHOP attended by **Mr. Souvik Prasad**

- i) National Seminar on Environmental Radiation and Archaeological Sciences, Jadavpur University, Kolkata, Dec. 4-5,2003.
- ii) National Seminar on Current Trends in Research at the Cross-roads of Physics and Biology, Scottish Church College, Kolkata, Dec. 20, 2003.
- iii) 3rd National Conference on Contemporary Issues in Nuclear & Particle Physics, Jadavpur University, Kolkata, Feb. 16-17, 2004.
- iv) Seminar on Environmental Change and its Impact, Bangabasi Morning College, Kolkata, March 18-19, 2005.
- v) National Seminar on Hundred Years of Three Seminal Papers of Albert Einstein and Contemporary Ideas, North Bengal University, Siliguri, January 3-5, 2005.
- vi) International Conference on Contemporary Issues in Nuclear & Particle Physics, Jadavpur University, Kolkata, Feb. 4-7, 2005.

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- vii) High Performance Computing Using the IBM Regatta Server, Jadavpur University, Kolkata, March 16, 2005.
 - viii) Seminar on New Dimension of Human Rights in the 21st Century, Bangabasi Morning College, Kolkata, March 21-22, 2006.
 - ix) Seminar on Undergraduate Physics Education & Advancement in Physics Research, Sammilani Mhavidyalaya, Kolkata, November 24-25, 2006.
 - x) Seminar on Cyber Crime, Bangabasi Morning College, Kolkata, March 16, 2015.

*** X ***

1. Name of the Department: POLITICAL SCIENCE

2. Year of Establishment: Political Science General course started in the year 1965,
Political Science Honours course started in the session
1965

3. Names of the 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

NIL

5. Annual / semester / choice based credit system (programme wise)

Annual

6. Participation of the department in the courses offered by other departments

Certificate Course (3 months) in Human Rights
conducted in 2011-2012, with UGC assistance.

**7. Courses in collaboration with other Universities, industries, foreign institutions
etc.**

NIL

8. Details of courses / programmes discontinued (if any) with reasons: No

9. Number of Teaching Posts

Table No. 1

No. Teaching Posts	Sanctioned posts	Filled posts
Professors	N.A.	N.A.
Associate Professors	01	01
Assistant Professor	03	01
Part Time Teacher	00	00
Guest Lecturer	00	01

10. Faculty Profile with name, qualification, designation, specialization (D.Sc. / D. Litt. / Ph.D. / M.Phil. etc.)

Table No. 2

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for the last four years
Ajeya Sarkar	M.A. (Pol. Science)	Associate Professor	1. History of Socialist Thought in M.A. 2. Indian Politics in later period	24+ Years	-----
Tulika Chakraborty	M.A. (Pol. Science)	Assistant Professor		06 Years (on leave)	-----
Amrita Chowdhury	M.A. (Pol. Science)	Guest Lecturer	Sociological and Anthropological Studies in Indian Politics.	3+ Years	-----

11. List of senior visiting faculty: Senior faculties from other departments of the college and some other institutions gave lectures in Human Rights courses.

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Table No. 3

Name of the Temporary Faculty	Academic Session taught	Programme	Total No. of Classes per week	No. of Classes taken per Week	% of Lectures delivered
Amrita Chowdhury	2014-2015	B.A.Part-I (Honours)	18	05	28

Amrita Chowdhury	2014-2015	B.A. Part-I (General)	06	02	33
Amrita Chowdhury	2014-2015	B.A. Part-II (Honours)	18	02	11
Amrita Chowdhury	2014-2015	B.A. Part-II (General)	06	02	33
Amrita Chowdhury	2014-2015	B.A. Part-III (Honours)	18	03	16
Amrita Chowdhury	2014-2015	B.A. Part-III (General)	06	01	17

13. Student-Teacher Ratio (Programme Wise):

Table No. 4

Session/Class	No. of Students Honours	No. of Students Pass	No. of Teachers	Student-Teacher Ratio	
				Hons .	Gen.
2015-16/B.A. Part I	28	450	02	9:1	38:1
2015-16/B.A. Part II	16	400	02	5:1	17:1
2015-16/B.A. Part III	04	250	02	3:1	4:1

14. Number of Academic Support Staff (technical) and administrative staff;

sanctioned and filled :

Table No. 5

Post	Sanctioned	Filled
Academic Support Staff	00	00
Administrative Staff	00	00

15. Qualifications of teaching faculty with D.Sc. / D. Litt. / Ph.D. / M. Phil. / PG

Table No. 6

Highest Qualification	No. of Teaching Faculty (Existing)
DSC/ D.Litt.	NIL
Ph.D.	NIL
M. Phil.	NIL
P.G.	03

16. Number of Faculty with ongoing Projects from a) National b) International funding agencies and grants received

Table No. 7

Name of the Principal Investigator	Title of the Project	Funding Agency	Period	Total Grant	Affiliation
NIL	NIL	NIL	NIL	NIL	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: N.A.

19. Publications:

a) Publications per faculty

Publications	2008	2009	2010	2011	2012	2013	2014	2015	Total
Total Year wise publications of the Dept. without ISBN/ISSN									

No. of papers published in peer reviewed journals by faculty & students	00	01	00	01	00	00	00	00	02
No. of publications published in International Database									
Monographs									
Chapter in books									
Books Edited									
Books with ISBN/ISSN									
Citation Index									
SINP									
Impact factor									
h-index									

*** For Full List of publications of the Faculty, See Annexure-1

* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) -

* Monographs :

* Publications :

Papers Published (2007-2015)

Teacher Name: Ajeya Sarkar

Papers Accepted:

1. "Some Observations on State and Civil Society interface" (Published by UGC-DRS [Phase I] programme, Department of Political Science, University of Calcutta, 2009).

2. "Politics of Adaptivism in Governance : Some Reflections on the Recent Political Changes in West Bengal " (accepted for publication by UGC-DRS programme Phase II at the Department of Political Science, University of Calcutta, 2011).

* Chapter in Books :

* Books Edited:

1. "Bangajiboner Dui Shotok ; Bangalir Manon o Anweshan" .
2. "Golden Jubilee Commemoration Volume of Bangabasi Morning College" (to be published in 2016).

* Books with ISBN/ISSN numbers with details of publishers:

1. "Regionalism : A New Approach" (published by FIRMA KLM , Kolkata and recommended as the reference book at the PG level in the Department of Political Science, University of Calcutta).

A. Edited Books :

Sl. No. & Name	Title with page nos.	Type of Book	Publisher & ISSN / ISBN No.

A.1. Previous Edited Books :

Sl. No. & Name	Title with page nos.	Type of Book	Publisher & ISSN / ISBN No.

B. Reference Books

Sl. No. & Name	Title with page nos.	Type of Book & Authorship	Publisher & ISSN / ISBN No.

C. Seminar Attended & Participated

Sl. No.	Title of the Seminar	Name of Faculty	Year	International /National/State/ University / College	Funding Agency
1.	Corporate Fraud and its Impacts on Indian Business Environment	Ajeya Sarkar	March 17, 2015	State Level	U.G.C.
2.	Environmental Impacts on Health: Towards a Better Future	Ajeya Sarkar	March 27-28, 2015	National	U.G.C.
3.	Cyber Crime	Ajeya Sarkar	September 16, 2015	Institutional Level	I.Q.A.C., Bangabasi Morning College
4.	Mathematics and its impact on natural sciences, Kolkata	Ajeya Sarkar	September 11-12, 2015	National	UGC
5.	Environmental Impacts on Health: Towards a Better Future	Amrita Chowdhury	March 27-28, 2015	National	U.G.C.

20. Areas of consultancy and income generated:

21. Faculty as members in

Sl. No.	Faculty	Serving in(a)National Committees (b) International Committees (c) Editorial Board (d) any other

22. Student projects:

3rd year General Students (Souvik Prasad)

23. Awards/Recognitions received by faculty and students:

A. Ajeya Sarkar : Ex Member of the SENATE , University of Calcutta

24. List of eminent academicians and scientists / visitors to the department

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25. Seminars/ Conferences/Workshops organized & the source of funding: NIL

Sl.No.	Seminar/Workshop	Date	Source of Funding

26. Students profile programme /course wise:

Name of the Course/programme	Intake Capacity	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
B.A. Pol. Sc. Pt. I Honours 2015-2016	60	58	28	11	17	-----
B.A. Pol. Sc. Pt. I. Honours 2014-2015	60	180	11	5	6	27%
B.A. Pol. Sc.. Pt. I Honours 2013-2014	60	30	13	6	7	08%
B.A. Pol. Sc. Pt. I. Honours 2012-2013	60	168	59	44	15	39%

*M = Male *F = Female

27. Diversity of Students:

Name of the Course	% of the students from the same state	% of the students from other states	% of the students from abroad

Social profile of the students

	Name of the course	General	S.C.	S.T.	O.B.C.	Minority
2015-2016	B.A. (Honours)	19	03	00	02	04
	B.A.(General)	127	97	23	54	203

* N.B. Minority and O.B.C. overlap because O.B.C. 2 is Minority student.

28. How many students have cleared national and state competitive examinations

such as NET, SLET, GATE, Civil services, Defense services, etc.?: NA

29. Student progression:

Student progression	Against % enrolled
UG to PG	50
PG to M. Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	Not known
Entrepreneurship/ Self-employment	Not known

30. Details of infrastructural facilities

a) Library—Possesses good Library with additional Honours Library Facility

b) Internet Facilities for Staffs and Students: Possesses Internet Facility for Staff.

c) Class rooms with ICT facility Available: NIL

31. Number of students receiving financial assistance from college, university,

government or other agencies:

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

33. Teaching methods adopted to improve student learning-

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

35. SWOC analysis of the department and Future plans:

Strength	Weakness
<ol style="list-style-type: none">1. The Faculty members are very much student-friendly and very much conscious about constant updating their knowledge.2. The faculty member are very energetic.3. Faculty members keeps on upgrading their knowledge.4. Class assessment test and interaction with students to solve their problems.5. We teach the students who come from backward areas and underprivileged classes.6. Interactive teaching learning sessions are held.	<ol style="list-style-type: none">1. Shortage of teaching staff is one of the major weaknesses.2. Another serious and long lasting problem is the space problem.3. Insufficient fund sometimes resists the pace of development of our departmental activities.4. Our Central Library cannot buy journals of national & international repute due to paucity of fund.5. Overlapping classes with the Bangabasi College hampers the classes as well as different programmes of the Department.

Opportunity

- Workshop for Creative- writing and recitation.
- Coordinative seminar with literary organizations of Kolkata.
- Professors and intellectuals could be hired for government and college sponsored projects.

Challenges

- After the emergence of technical and management program student's interest in literature has been largely shifted from paper to e-book. This may have impact on traditional emphasis in reading classics. We try to improve their interest in literature by organizing workshop to improve their creativity and career knowledge.

Future Plans:

- We hope to start P.G course in near future.
- We hope to improve teaching-learning infrastructure to make learning more attractive.
- We also hope for increasing teacher-student ratio in near future.
- Internet facilities for the students to consult e-books.

1. Name of the Department: URDU

2. Year of Establishment: Urdu General course started in the year 1975,

3. Names of the 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

NIL

5. Annual / semester / choice based credit system (programme wise)

Annual

6. Participation of the department in the courses offered by other departments

NIL

7. Courses in collaboration with other Universities, industries, foreign institutions etc.

NIL

8. Details of courses / programmes discontinued (if any) with reasons: No

9. Number of Teaching Posts

Table No. 1

No. Teaching Posts	Sanctioned posts	Filled posts
Professors	N.A.	N.A.
Associate Professors	00	00
Assistant Professor	00	00
Part Time Teacher	01	01
Guest Lecturer	01	01

10. Faculty Profile with name, qualification, designation, specialization (D.Sc. / D. Litt. / Ph.D. / M.Phil. etc.)

Table No. 2

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for the last four years
Sabiha Tazeen	M.A.	Part Time Teacher	Iqbal	6 Years	-----
Sajda Bano	M.A.	Guest lecturer	Iqbal	1 Year	-----

11. List of senior visiting faculty: Prof. Haider Hassan Kazimi, Ex-Head of the Department of Urdu and Ex -Teacher-in-Charge, Bangabasi Morning College

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Table No. 3

Name of the Temporary Faculty	Academic Session taught	Programme	Total No. of Classes per week	No. of Classes taken per Week	% of Lectures delivered
Sajda Bano	2015-2016	B.A. Part-I (Gen)	20	10	50%
Sajda Bano	2015-2016	B.A. Part-II (Gen)	20	10	50%
Sajda Bano	2015-2016	B.A. Part- III (Gen)	20	10	50%

13. Student-Teacher Ratio (Programme Wise):

Table No. 4

Session/Class	No. of Students Honours	No. of Students Pass	No. of Teachers	Student-Teacher Ratio	
				Hons .	Gen.
2015-16/B.Sc. Part I	0	25	02	0	12:1
2015-16/B.Sc. Part II	0	20	02	0	10:1
2015-16/B.Sc. Part III	0	15	02	0	7:1

14. Number of Academic Support Staff (technical) and administrative staff; sanctioned and filled :

Table No. 5

Post	Sanctioned	Filled
Academic Support Staff	0	0
Administrative Staff	0	0

15. Qualifications of teaching faculty with D.Sc. / D. Litt. / Ph.D. / M. Phil. / PG

Table No. 6

Highest Qualification	No. of Teaching Faculty (Existing)
DSC/ D.Litt.	NIL
Ph.D.	NIL
M. Phil.	NIL
P.G.	02

16. Number of Faculty with ongoing Projects from a) National b) International funding agencies and grants received

Table No. 7

Name of the Principal	Title of the Project	Funding Agency	Period	Total Grant	Affiliation
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Investigator					
NIL	NIL	NIL	NIL	NIL	NIL

Number of Projects successfully completed :

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre /facility recognized by the University: N.A.

19. Publications:

a) Publications per faculty

Publications	2008	2009	2010	2011	2012	2013	2014	2015	Total
Total Year wise publications of the Dept. without ISBN/ISSN									
No. of papers published in peer reviewed journals by faculty & students	02	06	03	04	06	03	01	03	
No. of publications published in International Database									
Monographs									
Chapter in books									

Books Edited									
Books with ISBN/ISSN									
Citation Index									
SINP									
Impact factor									
h-index									

***** For Full List of publications of the Faculty, See Annexure-1**

* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) -

* Monographs :

* Publications :

Papers Published (2007-2015)

Teacher Name:

Papers Accepted:

* Chapter in Books :

* Books Edited :

* Books with ISBN/ISSN numbers with details of publishers:

A. Edited Books :

Sl. No. & Name	Title with page nos.	Type of Book	Publisher & ISSN / ISBN No.

B. Reference Books

Sl. No. & Name	Title with page nos.	Type of Book & Authorship	Publisher & ISSN / ISBN No.

C. Seminar Attended & Participated

Sl. No.	Title of the Seminar	Name of Faculty	Year	International /National/State/ University / College	Funding Agency
1.	Context and Culture in our Language Classrooms	Sabiha Tazeen	February 9, 2015	International	Bangabasi Morning College & American Centre
2.	Corporate Fraud and its Impacts on Indian Business Environment	Sabiha Tazeen	March 17, 2015	State Level	U.G.C.
3.	Cyber Crime	Sabiha Tazeen	201	Institutional level	I.Q.A.C. & Bangabasi Morning College

20. Areas of consultancy and income generated:

21. Faculty as members in

Sl. No.	Faculty	Serving in(a)National Committees (b) International Committees (c) Editorial Board (d) any other

22. Student projects:

23. Awards/Recognitions received by faculty and students:

24. List of eminent academicians and scientists / visitors to the department

25. Seminars/ Conferences/Workshops organized & the source of funding: NIL

Sl.No.	Seminar/Workshop	Date	Source of Funding

26. Students profile programme /course wise:

Name of the Course/programme	Intake Capacity	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	

*M = Male *F = Female

27. Diversity of Students:

Name of the Course	% of the students from the same state	% of the students from other states	% of the students from abroad

Social profile of the students

Name of the course	General	S.C.	S.T.	O.B.C.	Minority
2015-16/B.Sc. Part I	15	0	0	10	100%
2015-16/B.Sc. Part II	15	0	0	5	100%
2015-16/B.Sc. Part III	10	0	0	5	100%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?: NA

29. Student progression:

Student progression	Against % enrolled
UG to PG	NA
PG to M. Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	Not known
Entrepreneurship/ Self-employment	Not known

30. Details of infrastructural facilities

a) Library—

b) Internet Facilities for Staffs and Students: NIL

c) Class rooms with ICT facility Available: NIL

31. Number of students receiving financial assistance from college, university, government or other agencies:

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

33. Teaching methods adopted to improve student learning-

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

35. SWOC analysis of the department and Future plans:

Strength	Weakness
<ol style="list-style-type: none"><li>1. The Faculty members are very much student-friendly and very much conscious about constant updating their knowledge.<li>2. The faculty member are very energetic.<li>3. Faculty members keeps on upgrading their knowledge.	<ol style="list-style-type: none"><li>1. Shortage of teaching staff is one of the major weaknesses.<li>2. Another serious and long lasting problem is the space problem.

1. Name of the Department: Zoology

2. Year of Establishment: 1965.

3. Names of the Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D. etc.)

Undergraduate Course:

B.Sc. Zoology General since the time of inception (1965)

B.Sc. Zoology Honours course started from the academic session 2014-2015

4. Names of Interdisciplinary courses and the departments / units involved

No Interdisciplinary Courses are conducted yet. However, teachers of the department conducted classes in Environmental Studies which is a compulsory subject taught in three year B.A., B.Sc. and B.Com. courses. Field training on environment is also provided.

5. Annual / semester / choice based credit system (programme wise)

The department follows the 1+1+1 system chalked out by the University of Calcutta. Selection Tests are held annually before the Final B.Sc. Part I, II and III examinations of the CU. Mid term tests are held in the month of November every year. Apart from these class tests, surprise tests are also held to prepare the students through out the year to appear before the final examinations.

6. Participation of the department in the courses offered by other departments

There is at present no such scope to participate in the courses offered by other departments.

7. Courses in collaboration with other Universities, industries, foreign institutions etc.

No collaborative course is conducted in the department.

8. Details of courses / programmes discontinued (if any) with reasons

N.A.

9. Number of Teaching Posts

Table No. 1

No. Teaching Posts	Sanctioned posts	Filled posts
Professors	N.A.	N.A.
Associate Professors	N.A.	-
Assistant Professor	2	2
Contractual Whole Time Teacher (College)	-----	2
Part Time Teacher (College)	-----	1
G.L.I.	1	1

10. Faculty Profile with name, qualification, designation, specialization (D.Sc. / D. Litt / Ph.D. / M.Phil. etc.)

Table No. 2

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. Students guided for the last four years
Dr. Sreejata Biswas	M.Sc., B.Ed., Ph.D. Qualified SLET	Assistant Professor and Head	Environmental Biology	14 Years 10 months	N. A.
Sri Subrata Hansda	M.Sc , B. Ed, Qualified NET	Assistant Professor	Animal Behaviour	10 Months	N. A.
Dr. Sourav Sikdar	M.Sc., Ph.D.	Contractual Whole Time Teacher	Parasitology and Immunobiology	1 Year 4 months	N. A.
Sri Sujoy Sarkar	M.Sc.	Contractual Whole Time Teacher	Entomology	1 Year 4 months	N. A.
Sri Saptarshi Chatterjee	M.Sc., Qualified NET	Contractual Part Time Teacher	Genetics and Molecular Cell Biology	1 Year 2 months	N. A.

Sri Sanjay Chakraborty	M.Sc. (Environmental Science), L.L.B., M.B.A.	G.L.I.		30 Years 2 months	N. A.
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11. List of senior visiting faculty:

Dr. Tapan Kumar Paul,

Retired Reader and Head of the Department of Zoology,

Vivekananda College, Kolkata.

12. Percentage of lectures delivered and practical classes handled (programme wise)

by temporary faculty:

Table No. 3

Name of the Temporary Faculty	Academic Session taught	Programme	Total No. of Classes per week	No. of Classes taken per Week	% of Lectures delivered
Sri. Saptarshi Chatterjee	2014-2015	B.Sc. Part-I (Honours)	21	4	19
	2014-2015	B.Sc. Part-I (General)	18	1	6
	2014-2015	B.Sc. Part-II (Honours)	19	3	16
	2014-2015	B.Sc. Part-II (General)	14	1	7
	2014-2015	B.Sc. Part-III (General)	12	1	8

13. Student-Teacher Ratio (Programme Wise):

Table No. 4

Session	No. of Students Honours	No. of Students General	No. of Teachers	Student-Teacher Ratio	
				Honours	General
2011-2012	Nil	130	1	-----	130:1
2012-2013	Nil	193	5	-----	39:1
2013-2014	Nil	119	4	-----	30:1
2014- 2015	52	173	07	7:1	25:1
2015- 2016	90	191	05	18:1	38:1

14. Number of Academic Support Staff (technical) and administrative staff; sanctioned and filled :

Table No. 5

Post	Sanctioned	Filled
Academic Support Staff	02	01 (Govt.) 02(College appointed)
Administrative Staff	nil	N.A.

15. Qualifications of teaching faculty with D.Sc. / D. Litt. / Ph.D. / M. Phil. / PG

Table No. 6

Highest Qualification	No. of Teaching Faculty (Existing)
DSC/ D.Litt.	
Ph.D.	1 (Assistant Professor) 1 (Contractual Whole Time Teacher)
M. Phil.	
P.G.	1 (Assistant Professor) 1 (Contractual Whole Time Teacher) 1 ((Contractual Part Time Teacher)

16. Number of Faculty with ongoing Projects from a) National b) International funding agencies and grants received

Table No. 7

Name of the Principal Investigator	Title of the Project	Funding Agency	Period	Total Grant	Affiliation
Dr. Sreejata Biswas	Assessment of the Role of Earthworms in Remediation of Saline Soil of West Bengal	UGC	2014 - 2016	Rs. 3,70,000/-	UGC Minor Research Project PSW-40/13-14(ERO) dated 18.3.2014 (Science)

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:

a) Publications per faculty

Publications	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
Total Year wise publications of the Dept. without ISBN/ISSN										

No. of papers published in peer reviewed journals by faculty & students	----	-----	5	2	4	6	11	6	6	40
No. of publications published in International Database										
Monographs										
Chapter in books					1					1
Books Edited									1	1
Books with ISBN/ISSN					1					1
Citation Index										
SINP										
Impact factor										
h-index										

***** For Full List of publications of the Faculty, See Annexure-1**

* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) -

* Monographs :

* Publications :

Papers Published (2007-2015)

Teacher Name:

Sreejata Biswas

Papers Accepted:

* Chapter in Books :

* Books Edited :

1

- * Books with ISBN/ISSN numbers with details of publishers: 1.

A. Edited Books :

Sl. No. & Name	Title with page nos.	Type of Book	Publisher & ISSN / ISBN No.
1. Sreejata Biswas, Mukul Kumar Mitra and Radharaman Bar	Environmental Impact on Health: Towards a Better Future. pp:- 480	Reference	Readers Service, ISBN – 978-93-82623-53-7, Year-2015

B. Reference Books

Sl. No. & Name	Title with page nos.	Type of Book & Authorship	Publisher & ISSN / ISBN No.
1. Sreejata Biswas	Earthworm Species and Gutflora Associates: Potential in improving soil fertility and bioconversion of organic wastes. pp:- 186	Reference. Single Author.	LAP LAMBERT Academic Publishing GmbH & Co. KG, Dudweiler Landstr., Germany, 2011, ISBN: 978-3-8465-3763-3

C. Seminar Attended & Participated

				International	
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Name of Faculty	Sl.No.	Title of the Seminar	Year	/National/State/ University / College	Funding Agency
Sreejata Biswas	1.	Application of identified chemical and biological technologies in agriculture	2008	National	Dept. of Chemistry, Jadavpur University & Eastern India Horticulture & Biotechnology centre
	2.	Mathematics & Computer Science- an Interface	2009	State	UGC
	3.	Bioresource & human welfare	2011	National	UGC
	4.	Advances in Environmental Science And Technology	2011	National	UGC
	5.	Solid waste Management & exhibition (IconSWM 2011)	2011	International	Centre for Quality Management System, Jadavpur University & International Society of Waste Management, Air and Water
	6.	Organic Agriculture and Biosafety.	2011	National	UGC
	7.	4 th International Congress of Environmental Research (ICER-11)	2011	International	JERAD
	8.	Biotechnology for Sustainable Development	2012	National	Heritage Institute of Technology,

	n	(BSD-2012).			Kolkata
	9. Paper presentation	19 th West Bengal State Science and Technology Congress 2012	2012	State	Saha Institute of Nuclear Physics, Kolkata, Department and Council of Science & Technology, Govt. of W.B,
	10. Paper presentation	Environment & Humanities ECO REVOLUTION 2012	2012	International	EcoNeeds Foundation
	11. Paper presentation	100 th Indian Science Congress	2013	International	Indian Science Congress Association
	12. Paper presentation	Bioresource and Stress Management	2013	International	Ratikanta Maiti Foundation in collaboration with CRIJAF
	13. Paper presentation	20 th West Bengal State Science and Technology Congress 2013	2013	State	Bengal Engineering and Science University & Department and Council of Science & Technology, Govt. of W.B
	14. Paper presentation	Echoes of Silent Spring: Human impact on Environment	2013	National	Visva-Bharati, Santiniketan
	15. Paper presentation	INDIA BIODIVERSITY MEET 2013	2013	International	ISI

	16. Paper presentation	6 th International Congress of Environmental Research (ICER-13)	2013	International	JERAD
	17. Paper presentation	21 st West Bengal State Science and Technology Congress	2014	State	Burdwan University & Department and Council of Science & Technology, Govt. of W.B,
	18.	Context and culture in our language classrooms	2015	International	The American Library & Department of English, Bangabasi Morning College, Kolkata
	19.	Corporate frauds and its impact on Indian Business Environment	2015	State	UGC
	20. Convenor With Paper presentation	Environmental impacts on Health: Towards a Better Future	2015	National	UGC
	21.	Mathematics and its impact on natural sciences,	2015	National	UGC
Subrata Hansda	1.	Corporate frauds and its impact on Indian Business Environment	2015	State	UGC

	2.	Environmental impacts on Health: Towards a Better Future	2015	National	UGC
Sujoy Sarkar	1.	300 th Birth Anniversary of Carolus Linnaeus.	2008	National	Higher Education Department, West Bengal.
	2.	Recent Advances in Genetics & Molecular Biology, Bitechology and Bioinformatics	2008	National	UGC
	3.	Evaluation of Biodiversity of Eastern Himalaya and Adjoining Plains	2010	National	Department of Zoology, University of North Bengal And Centre for Environment and Development , Kolkata
	4.	Recent Advances in Biological Sciences : Biodiversity & Human Welfare	2011	National	Department of Zoology, University of Lucknow & Zoological Society of India ,Bodh Gaya.
	5.	Biodiversity and its Management for Food, livelihood & Environmental security & National Helminthologica l Congress	2013	National	Department of Zoology, University of Kalyani & Zoological Society of India, Bodh Gaya.
	6.	Context and culture in our language classrooms	2015	International	The American Library & Department of English, Bangabasi

					Morning College, Kolkata
	7.	Corporate frauds and its impact on Indian Business Environment	2015	State	UGC
	8.	Environmental impacts on Health: Towards a Better Future	2015	National	UGC
Sourav Sikdar	1.	300 th Birth Anniversary of Carolus Linnaeus.	2008	National	Higher Education Department, West Bengal.
	2.	Recent Advances in Genetics & Molecular Biology, Bitechology and Bioinformatics	2008	National	UGC
	3.	Evaluation of Biodiversity of Eastern Himalaya and Adjoining Plains	2010	National	Department of Zoology, University of North Bengal And Centre for Environment and Development , Kolkata
	4.	Recent Advances in Biological Sciences : Biodiversity & Human Welfare	2011	National	Department of Zoology, University of Lucknow & Zoological Society of India ,Bodh Gaya.
	5.	Biodiversity and its Management for Food, livelihood & Environmental security &	2013	National	Department of Zoology, University of Kalyani & Zoological Society of India, Bodh

		National Helminthological Congress			Gaya.
	6.	Context and culture in our language classrooms	2015	International	The American Library & Department of English, Bangabasi Morning College, Kolkata
Saptarshi Chatterjee	1.	Environmental impacts on Health: Towards a Better Future	2015	National	UGC

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

Sl. No.	Faculty	Serving in(a) National Committees (b) International Committees (c) Editorial Board (d) any other
1.	Sreejata Biswas	Life Member of Indian Science Congress Life Member of Zoological Society, Kolkata
2.	Saptarshi Chatterjee	Life Member of Zoological Society, Kolkata

22. Student projects:

In last four years Project work conducted by the students of the Department of Zoology on

- (i) Relative abundance and market price of selected indigenous food fishes in Kolkata and adjacent areas
- (ii) Monitoring of Blood Pressure before, during and after Diwali to observe the effects of Noise pollution and
- (iii) Observation of insect fauna in East Kolkata Wetland

Outcome of the first project was presented in West Bengal State Science and Technology Congress in February 2014. The report was published in the Abstract volume.

23. Awards/Recognitions received by faculty and students:

Awards/Recognitions received by faculty:

Sreejata Biswas

- was nominated for the award " The President of India, Dr. Shankar Dayal Sharma Gold Medal of the year 1996"
- stood first in aggregate in Class I at M. Sc, (Zoology) Examination, 1995, C.U.
- stood first in aggregate in Class I at B.Ed. Examination, 1997, C.U.
- was awarded the A.K Bhowmick Memorial Medal for the year 1993 by The Zoological Society for securing highest marks in B. Sc. (Honours in Zoology) Examination, 1993, C.U.
- was selected for an award under the National Scholarship Scheme of the Govt. of India on the basis of B.Sc. Examination.
- was selected for an award under the National Scholarship Scheme of the Govt. of India on the basis of Madhyamik Examination, 1988 and secured 70th rank in the merit list.

Awards/Recognitions received by students:

First Year Honours students secured Second Prize in Poster Competition in UGC sponsored National Conference on **Environmental Impacts on Health: towards a better future** organised by Bangabasi Morning College in collaboration with Das Research Centre held on 27-28 March, 2015.

24. List of eminent academicians and scientists / visitors to the department

None till date

25. Seminars/ Conferences/Workshops organized & the source of funding:

Sl.No.	Seminar/Workshop	Date	Source of Funding
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1.	Seminar on Tiger Day	5.10.2012	College Fund
2.	Seminar with Poster Competition on Conservation of Animals	5.10.2013	College Fund
3.	Seminar on Animals in Relation to Human Health	17.11.2014	College Fund
4.	Thalassemia Awareness Campaign	18.12.2014	College Fund
5.	National Conference on Environmental Impacts on Health: towards a better future	27.03.2015 and 28.03.2015	UGC and College Fund

26. **Students profile programme /course wise:**

Name of the Course/programme	Intake Capacity	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
B.Sc. Pt. I Honours in Zoology 2015-16	40	222	59	35	24	-----
B.Sc. Pt. I Honours in Zoology 2014-15	40	98	43	26	17	50

*M = Male *F = Female

27. **Diversity of Students:**

Name of the Course	% of the students from the same state	% of the students from other states	% of the students from abroad
B.Sc. Honours in Zoology	97	3	0

Social profile of the students

Name of the course	General	S.C.	S.T.	O.B.C.	Minority
1 st year B.Sc. Honours in Zoology	45	7	1	6	9
1 st year B.Sc. General in Zoology	72	12	0	7	25

28. How many students have cleared national and state competitive examinations

Such as NET, SLET, GATE, Civil services, Defense services, etc.?: NA

29. Student progression:

Student progression	Against % enrolled
UG to PG	Not known
PG to M. Phil.	N.A.
PG to Ph.D.	N.A.
Ph.D. to Post-Doctoral	N.A.
Employed	Not known
Entrepreneurship/ Self-employment	Not known

30. Details of infrastructural facilities

a) Library—

The central library offers a good number of text and reference books in Zoology. The department is also having a collection of reference books which are available to the students for reading as well as lending purpose. Students also get opportunity to read academic journals. With the introduction of

honours course in the department since the academic session 2014 – 2015 new books have been purchased.

b) Internet Facilities for Staffs and Students:

No such facility available. However teachers use their personal internet facilities to help and support students in their project work and other allied academic activities.

c) Class rooms with ICT facility Available:

One laboratory cum class room with ICT facility is under construction. The department possesses one computer (laptop) and avails LCD Projector owned by other departments during special lectures and seminars.

31. Number of students receiving financial assistance from college, university, government or other agencies:

General facilities are availed by students of the department.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

Special lectures in Genetics were delivered by Dr. Tapan Kumar Paul, Retired Reader and Head of the Department of Zoology, Vivekananda College, Kolkata. In a Departmental Seminar on Animals in relation to Public Health, Dr. Debjani Das Ghosh, Assistant Professor in Zoology, Victoria Institution (College), West Bengal, delivered lecture on Ticks: A Potential Vector of Animals and Human Pathogens. These efforts were taken by the department with a view to enrich students with contemporary knowledge.

Students were also encouraged to participate in Poster Presentation session in UGC sponsored National Conference organized in the College. Two presentations were made by First Year Honours students of the department and one of these two won the Second Prize in the competition judged by eminent teachers of the University of Calcutta and Jadavpur University.

33. Teaching methods adopted to improve student learning

Theoretical classes adopt Lecture Method of teaching classically. And to keep pace with the modern time technology has been introduced to supplement the teaching method. Using laptop and LCD projector as modern teaching aid has been an essential part of teaching. In practical classes Demonstration Method and Laboratory Method are in usual practice. As supplementary methods Project Method and Assignment Methods are also followed.

Group Discussion method and viva voce method for class room evaluation has been adopted in order to train up the students for future job interviews. Debate and Quiz are also held in the department to improve student learning.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Other than teaching Zoology, the teachers in the department take class in Environmental Studies and provide field trainings in this subject. Programmes like Thalassaemia Awareness Campaign are arranged in the department with a social responsibility to make people aware specially of the carriers of this disease. The object of this programme was to prevent thalassaemia and to save the future generation from the fatal disease. The department celebrates special days of relevance like Elephant Day, Tiger Day, World Animal Day with the objective to spread awareness among students of the department on the significance of animals and their conservation.

Seminars on important issues *Conservation of Animals, Animals in relation to human health* etc. are conducted in the department. Debate on an important topic 'Dissection of animals is an essential part of Practical Zoology' was conducted keeping in consideration the UGC's view on banning animal dissection. Essay competition on Animal Friends was held in order to spread the message of compassion and love towards animals.

35. SWOC analysis of the department and Future plans:

Strength

- **Introduction of Honours Course**
The department has been upgraded from B.Sc. General to B.Sc. Honours department to meet up the long demand of students
- **Construction of new laboratory cum class room**
After the introduction of honours course in the department a new laboratory cum class room has been constructed of an area of
- **Modern Teaching Methods**
Continuous efforts are taken to introduce and follow modern methods of teaching using ICT and also other student participatory programme like quiz, debate etc.
- **Students' Project**
Regular Project work of the students are undertaken for upliftment of knowledge and understanding.
Students are encouraged to present and publish Project Report.
- **Students' Participation in National Conference/ State Congress**
Students are encouraged to participate in UGC sponsored national conference and state science congress for better academic exposure
- **Class room seminars**
Students are trained up to deliver talk by holding class room seminar regularly
- **Observation of important days**
Special days of relevance like Animal Day, Tiger Day are celebrated
- **Field study**
Field study and training are conducted on a regular basis.
- **Invited lectures**
External experts and Retired experienced teachers are invited to deliver talk

Weakness

- **Inadequate Space**
There is need of more class room and laboratory space
- **Inadequate Remedial Teaching**
Due to short duration of the college hour adequate remedial and tutorial classes can not be conducted.
- **Inadequate infrastructure**
Exclusive class room with ICT equipments are needed
- **Need of a better library facility**
There is need of more reference books to construct a full fledged departmental library
- **Need of tracking students' progress**
There is till now no scope to track the Students' Progression
- **Lack of Research facility**
As the college building is shared by three different colleges there remains little scope of Research Work for long duration

- **Parent – Teacher Meeting**
Parent- Teacher meetings are conducted as one important component of Feedback System.
- **Cordial student- teacher relationship**
Teachers of the department can be approached anytime during or after the class room teaching for discussing any academic matter.
- **Discussion over evaluated answer scripts**
In a special session evaluated scripts are shown to the students with a remedial objective
- **Poster Campaign and Wall Magazine**
Various topics of relevance are projected and displayed by posters to generate interest.

Opportunity

- Zoology, a basic subject of Biological Science is an interesting subject that deals with the animal world at the natural as well as molecular level. Much can be done to increase the interest and understanding levels of the students
- Young and energetic teachers appointed in last few years by the CSC as well as the College are important human resources of the department
- Modern syllabus enables the students to get a holistic idea of the subject

Challenges

- Space and time constraints
- Lack of adequate infrastructure
- Lack of research environment

Future Plans:

- Introduction of career or job oriented course / programme like Ornamental Fish Culture
- Introduction of Interdisciplinary Courses like Environmental Management
- Enrichment of the departmental library
- Procurement of ICT based teaching aids for exclusive use of the department
- Departmental Magazine publication
- Organising Science exhibition and
- Continuation of all present activities successfully

***Annexure - I

LIST OF PUBLICATIONS :

Teacher Name: Sreejata Biswas

Book

- Earthworm Species and Gutflora Associates: Potential in improving soil fertility and bioconversion of organic wastes, Sreejata Biswas, LAP LAMBERT Academic Publishing GmbH & Co. KG, Dudweiler Landstr., Germany, 2011, **ISBN: 978-3-8465-3763-3**

Edited Book

- Environmental Change and its Impact, Mukul Kumar Mitra, Prasenjit Sarkar and Sreejata Biswas (Eds.), Classique Books, Kolkata, 2006, **ISBN: 81-87616-24-5**
- Environmental Impacts on Health: towards a better future, Sreejata Biswas, Mukul Kumar Mitra and Radharaman Bar, Readers Service, 2015, **ISBN – 978-93-82623-53-7. (In Press).**

Book Chapter

- Vermicomposting for Sustainable Agriculture, Sreejata Biswas. In Save The Earth issues and challenges (Prasenjit Sarkar, Ed.), Urbee Prakashan, Kolkata, pp. 43-50, 2011, **ISBN: 978-93-80648-05-07**

Research/ Review Paper

- Facilitation of Seed Germination Using Distinct Resident Bacteria from the Gut of Earthworm *Metaphire posthuma* , Sreejata Biswas, P. Lahiri, P. Ghosh, Anindita Dutta and S. Das, *Indian Agriculturist* , 49.(3,4): 233-237, 2005 . **ISSN: 0019-4336**
- Composting of Solid Waste by Bacteria Extracted from Selected Earthworm Species, S. Biswas, P. Lahiri , S. Das. In Sustainable Waste Management (S.K.Ghosh, Ed.), Proceeding of the 2nd International Conference on Solid Waste Management held during November 09 – 11, 2011, Kolkata, Published by Oxford Publishing House, Kolkata, pp 269-275, 2011, **ISBN: 81-86862- 41 – 2**

- Augmented growth and yield of Chilli (*Capsicum annum*) by incorporation of *Bacillus cereus* group species isolated from selected earthworms, Sreejata Biswas, Pulak Lahiri and Satadal Das. In Proceedings 2011, UGC sponsored National Seminar on Organic Agriculture and Biosafety, pp 86-89.
- Waste Management by Earthworm Gut Resident Bacteria, Sreejata Biswas, Pulak Lahiri and Satadal Das. Bionano Frontier Special Issue 9: 266-269, 2012. **ISSN: 0974- 0678.**
- Death on the Track, Sreejata Biswas, **Bodhi Bijnan, Journal of Science, 2**, 29-34, 2012. **ISSN 2277-4831**
- Culture of *Clarias gariepinus* by recycling bio-waste generated in a tourist beach of West Bengal: a Case Study, Sreejata Biswas, **J. Environ. Res. Develop, 8** (3A), pp. 665-668, 2014. **ISSN 0973-6921, E-ISSN 2319-5983.**
- A Study on Health Hazards Associated with Noise in Urban Area, Sreejata Biswas, Oct. Jour. Env. Res. **2** (2): 107-113, 2014. **ISSN 2321 3655.**
- Isolation of predominant bacterium from gut of earthworm *Lampito mauritii* for effective use in soil fertility, Sreejata Biswas, Pulak Lahiri and Satadal Das. Current Science **107** (1): 105-109, 2014. **ISSN 0011-3891.** July
- A Study on the Role of a Close Homologue of *Bacillus cereus* Isolated from *Metaphire posthuma* on Germination of Gram (*Cicer arietinum*) Seeds for its Use as Biofertilizer, Sreejata Biswas, Pulak Lahiri and Satadal Das, Journal of Global Biosciences ISSN 2320-1355 .Vol. 3(4), 2014, pp. 708-713.
- A Comparative Study of Health Hazards Among Male Workers in Urban and Rural Areas Taking Noise as an Environmental Stressor, Sreejata Biswas, J. Environ. Res. Develop, 9 (3A): 797- 802, 2015. ISSN 0973-6921, E-ISSN 2319-5983.
- Identification and Application of the Predominant Bacterium extracted from Epigeic Earthworm *Perionyx excavatus*, Sreejata Biswas, Pulak Lahiri and Satadal Das. In

Environmental Impacts on Health: towards a better future, Sreejata Biswas, Mukul Kumar Mitra and Radharaman Bar, Readers Service, 2015, ISBN – 978-93-82623-53-7. (In Press).

Sourav Sikdar

❖ ORIGINAL PUBLICATIONS IN PEER-REVIEWED INTERNATIONAL JOURNALS

1. **Sikdar S**, Mukherjee A, Boujedaini N, Khuda-Bukhsh AR, Ethanol extract of Condurango (*Marsdenia condurango*) used in traditional systems of medicine including homeopathy against cancer can induce DNA damage and apoptosis in non small lung cancer cells, A549 and H522, in vitro. International Journal of Genuine Traditional Medicine (TANG), 2013, 3 (1), 1-10.
2. **Sikdar S** and Khuda-Bukhsh AR, Alternative drug therapies are superior to epidermal growth factor receptor-targeted chemotherapeutic drug responses in non-small cell lung cancer (Review). International Journal of Genuine Traditional Medicine (TANG), 2013, 3 (2), 1-8.
3. **Sikdar S**, Mukherjee A, Bishayee K, Paul A , Saha SK, Ghosh S, Khuda-Bukhsh AR. Post-cancer treatment with Condurango 30C shows amelioration of benzo[a]pyrene-induced lung cancer of rats through caspase-3 mediated apoptosis induction. Journal of Pharmacopuncture, 2013, 16(3), 011-022.
4. **Sikdar S** and Khuda-Bukhsh AR, Post-cancer treatment of Condurango 30C, traditionally used in homeopathy, ameliorates tissue damage and stimulates reactive oxygen species in benzo[a]pyrene-induced lung cancer of rat. Humanitas Traditional Medicine (TANG), 2013, 3(3), e25, 1-8.
5. **Sikdar S**, Mukherjee A, Ghosh S, Khuda-Bukhsh AR, Condurango glycoside-rich components stimulate DNA damage-induced cell cycle arrest and ROS-mediated caspase-3 dependent apoptosis through inhibition of cell-proliferation in lung cancer, *in vitro* and *in vivo*. Environmental Toxicology and Pharmacology, 2014, 37, 300-314.

6. **Sikdar S**, Saha SK, Khuda-Bukhsh AR, Relative anti-cancer potential of two homeopathic potencies of Condurango (6C and 30C) in non small cell lung carcinoma cells (H460) *in vitro*: the signaling cascade. *Journal of Pharmacopuncture*, 17(1), 59-69.
7. **Sikdar S**, Mukherjee A, Khuda-Bukhsh AR, Ethanolic extract of *Marsdenia condurango* ameliorates benzo[a]pyrene-induced lung cancer of rats, *Journal of Pharmacopuncture*, 2014, 17(2), 7-17.
8. Khuda-Bukhsh AR, **Sikdar S**, Condurango 30C induces epigenetic modification of lung cancer specific tumour suppressor genes via demethylation, *Forschende Komplementarmetizin*, 2015, DOI: 10.1159/000433485.
9. **Sikdar S**, Mukherjee A, Khuda-Bukhsh AR, Anti-lung cancer potential of pure esteric-glycoside Condurangenin A against NSCLC cells *in vitro* via p21/p53 mediated cell cycle modulation and DNA damage-induced apoptosis, 2015, 11(42), S73-S85.
10. Mukherjee A, **Sikdar S**, Bishayee K, Paul A, Ghosh S, Boujedaini N, Khuda-Bukhsh AR, Ethanolic extract of *Thuja occidentalis* blocks proliferation of A549 cells and induces apoptosis *in vitro*. *Journal of Chinese Integrative Medicine*, 2012, 10(12), 1451-1459.
11. Chakraborty D, **Sikdar S**, Bishayee K, Mukherjee A, Khuda-Bukhsh AR. Helonias dioica extract enhances the anti-diabetic effect of Metformin hydrochloride through increased insulin responsiveness and activation of PI3K/AKT signaling in liver of obese hyperglycemic mice. *Chinese Journal of Integrative Medicine*, 2013 (article in press).
12. Mukherjee A, **Sikdar S**, Bishayee K, Khuda-Bukhsh AR, Flavonol isolated from ethanolic leaf extract of *Thuja occidentalis* arrest cell cycle at G2-M phase and induce ROS independent apoptosis in A549 cells targeting nuclear DNA. *Cell Proliferation*, 2013, doi: 10.1111/cpr.12079.
13. Saha SK, **Sikdar S**, Mukherjee A, Bhadra K, Boujedaini N, Khuda-Bukhsh AR, Ethanolic extract of the Goldenseal, *Hydrastis canadensis*, has demonstrable chemopreventive effects on HeLa cells *in vitro*: Drug–DNA interaction with calf thymus DNA as target, *Environmental toxicology and pharmacology*, 2013, 36, 202–214.
14. Chakraborty D, Mukherjee A, **Sikdar S**, Paul A, Ghosh S, Khuda-Bukhsh AR, [6]-Gingerol isolated from ginger attenuates sodium arsenite induced oxidative stress and

- plays a corrective role in improving insulin signaling in mice. *Toxicology Letter*, 2012, 210(1), 34-43.
15. Paul A, Bishayee K, Ghosh S, Mukherjee A, **Sikdar S**, Chakraborty D, Boujedaini N, Khuda-Bukhsh AR, Chelidonine isolated from ethanolic extract of *Chelidonium majus* promotes apoptosis in HeLa cells through p38-p53 and PI3K/AKT signalling pathways. *Journal of Chinese Integrative Medicine*, 2012,10(9):1025-1038.
 16. Ghosh S, Bishayee K, Paul A. Mukherjee A, **Sikdar S**, Chakraborty D, Boujedaini N, Khuda-Bukhsh AR, Homeopathic mother tincture of *Phytolacca decandra* induces apoptosis in skin melanoma cells by activating caspase mediated signaling via reactive oxygen species elevation. *Journal of Integrative medicine, Journal of Integrative Medicine*, 2013, 11(2),116-124.
 17. Chakraborty D, Ghosh S, Bishayee K, Mukherjee A, **Sikdar S**, Khuda-Bukh AR, Antihyperglycemic drug *Gymnema sylvestre* also shows anticancer potentials in human melanoma A375 cells via reactive oxygen species generation and mitochondria-dependent caspase pathway, *Integrative Cancer Therapies*, 2013, DOI: 10.1177/1534735413485419.
 18. Bishayee K, Paul A, Ghosh S, **Sikdar S**, Mukherjee A, Biswas R, Boujedaini N, Khuda-Bukhsh AR, Condurango-glycoside-A fraction of *Gonolobus condurango* induces DNA damage associated senescence and apoptosis via ROS-dependent p53 signalling pathway in HeLa cells, *Molecular and Cellular Biochemistry*, 2013, 382:173-183.
 19. Bishayee K, **Sikdar S**, Khuda-Bukhsh AR, Ultra-highly diluted *Gonolobus Condurango* extract inhibits histone de-acetylase2 activity in cervix cancer cells in vitro: evidence of epigenetic modification in cell cycle arrest, *Journal of Pharmacopuncture*, 2013, 16(4), 7-13.
 20. Rana T, Sarkar S, Mandal TK, Batabyal S, Datta BK, De S, **Sikdar S**, Study on the effect of toxicity under highly arsenic prone zone in Nadia district of West Bengal in India, *Nature Precedings*, 2009, DOI: 10101/npre.2009.2992.1.
 21. Rana T, Bera AK, Das S, Pan D, Bandyopadhyay S, Bhattacharya D, De S, **Sikdar S**, Das SK, Effect of ascorbic acid on blood oxidative stress in experimental chronic arsenicosis in rodents, *Food and Chemical Toxicology*, 2010, 48: 1072-1077.

22. Bandyopadhyay S, Bera AK, **Sikdar S**, De S, Das S, Rana T, Pan D, Bandyopadhyay S, Bhattacharya D, Intra-species variability in ITS-1 sequences of *Haemonchus contortus* isolated from goats in West Bengal, India. *Journal of Helminthology*, 2011, 85:204-209.
23. Bandyopadhyay S, Bera AK, **Sikdar S**, De S, Ghosh S, Rana T, Bandyopadhyay S, Dandapat P, Bhattacharya D, Intra-species sequence variability in 28s rRNA gene of *Oesophagostomum venulosum* isolated from goats of West Bengal, India, *Asian Pacific Journal of Tropical Medicine*, 2010, 515-518.

❖ **ORIGINAL PUBLICATIONS IN PEER-REVIEWED NATIONAL JOURNALS**

24. Bandyopadhyay S, Naskar S, Devi P, Bera AK, De S, Pan D, Rana T, Das S, **Sikdar S**, Bhattacharya D, Multiplex PCR for Identification of Parasitic Eggs of *Oesophagostomum* spp. Isolated from Sheep and Goat, *Proc. Zool. Soc*, 2009, 62 (2): 125–129.
25. Kundu K, Yadav M, Pal P, Islam S, **Sikdar S**, Sarkar S, Parasitic interaction in the gut of *Periplaneta americana* , *Recent Advances in Animal Science Research*, Vol. V. 623. 2009.
26. Mukherjee A, Dutta RK, Sharma M, Sengupta M, Das P, Chatterjee R, **Sikdar S**, Biswas T, Mandal DR, Zooplankton diversity of selected sewage fed and fresh water fishery ponds in East Kolkata wetland, *Recent Advances in Animal Science Research*, 2009, Vol. V. 626..
27. Dutta RK, Sengupta M, Das P, **Sikdar S**, Kundu I, Mandal DR, Mukherjee A, Chatterjee R, A study on community composition and species diversity of gastropods of sewage fed & fresh water fishery ponds (bheri) around Kolkata, *Recent Advances in Animal Science Research*, 2009, Vol. V. 627.

Sujoy Sarkar

- Chakrabarti, S., Sarkar, S. & Debnath, M. Diversity, Bioecology and Biosystematics of Aphidophagous Predators of Eastern Himalaya and Northeast India. In: *Biodiversitat & Naturlausstattung im Himalaya* (ed. Hartmann, M. & Weipert, J.) Bd.IV, Erfurt, 2012, p. 129-147.

- S. Sarkar and S. Chakrabarti, Aphid (Hemiptera: Aphididae) Diversity on the Fruit Yielding Plants in India . *J. Appl. Biosci.*, 41(2): 86-110. 1-2, December, 2015, ISSN (Print) 0975-685X, ISSN (Online) 0975-864X.
- Sujoy Sarkar, Inter-relationship between different water parameters with aquatic insect and arachnid fauna in three different ponds at East Calcutta Wetlands. In: *Environmental Impacts on Health: towards a better future* (ed. Sreejata Biswas, Mukul Kumar Mitra and Radharaman Bar), Readers Service, 2015, ISBN – 978-93-82623-53-7. (In Press).



(033) 2850-9210, 2860-7586, 6501-6584

BANGABASI MORNING COLLEGE

19, RAJKUMAR CHAKRABORTY SARANI

KOLKATA- 700 009

B+ Level Accredited by NAAC

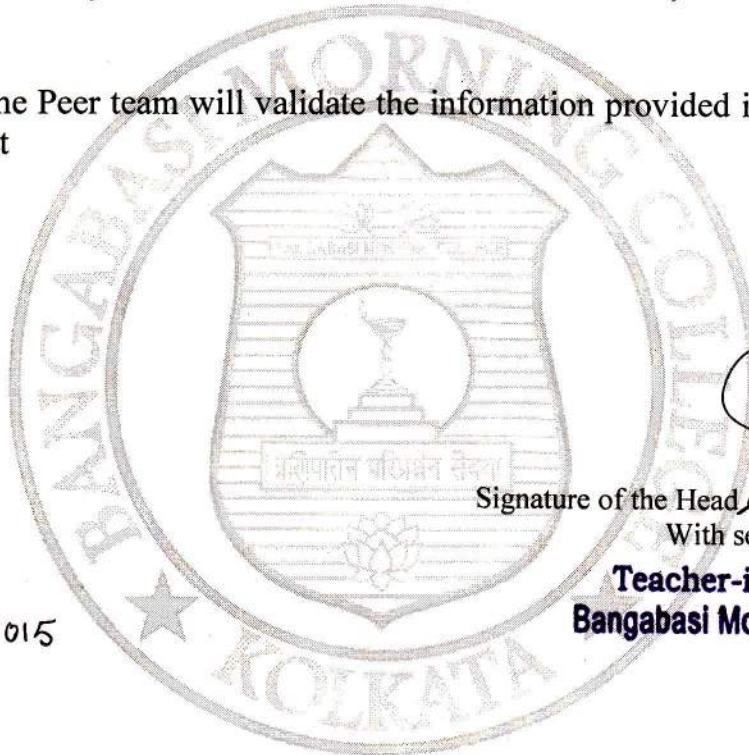
website: <http://www.bangabasimorning.edu.in>, Email ID: bangabasimorning@gmail.com

Declaration by the Head of the Institution

I certify that the data included in this Re-Accreditation Report (RAR) are true to the best of my knowledge.

This RAR is prepared by the institution after internal discussions, and no part thereof has been outsourced

I am aware that the Peer team will validate the information provided in this RAR during the peer team visit



Signature of the Head of the Institution
With seal

Place: Kolkata

Date: 28.12.2015

Teacher-in-Charge
Bangabasi Morning College



BANGABASI MORNING COLLEGE

19, RAJKUMAR CHAKRABORTY SARANI

KOLKATA- 700 009

B+ Level Accredited by NAAC

website: <http://www.bangabasimorning.edu.in>, Email ID: bangabasimorning@gmail.com

Certificate of Compliance

(Affiliated/ Constituent Autonomous Colleges and Recognized Institutions)

This is to certify, that Bangabasi Morning College fulfils all norms

1. Stipulated by the affiliating University and/or
2. Regulatory Council/ Body [such as UGC, NCTE, AICTE, MCI, DCI, 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.

Signature of the Head of the Institution
With seal

Teacher-in-Charge
Bangabasi Morning College

Place: Kolkata

Date : 28.12.2015

Ph. 23236351, 23232701, 23237721
23234116, 23235733, 23232317
23236735, 23239437, 23239627

Extension No. 413 (CPP-I Colleges)
UGC Website: www.ugc.ac.in
F. No. 1-1/2013(CPP-I/C)



Speed post

विश्वविद्यालय अनुदान आयोग
बहादुरशाह जफर मार्ग
नई दिल्ली-110 002
UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI-110 002

April, 2015

The Principal,
Bangabasi Morning College,
19 - Scott Lane, Calcutta - 9, District Calcutta,
West Bengal

28 APR 2015

Sub: - Recognition of Bangabasi Morning College, 19 - Scott Lane, Calcutta - 9, District Calcutta, West Bengal under Section 2(f) and 12(B) of the UGC Act, 1956.

Sir,

With reference to your letter no. nil dated 10.02.2015 on the above subject, I am directed to say that the name of **Bangabasi Morning College, 19 - Scott Lane, Calcutta - 9, District Calcutta, West Bengal** established in the year of **1965**, affiliated to **Calcutta University, Kolkata** is included in the list of Colleges maintained under Section **2(f) and 12(B)** of the UGC Act, 1956 under the head **Non-Government** College teaching upto **Bachelor's** Degree.

Yours faithfully,

Charan Dass
(Charan Dass)
Under Secretary



17/10/15

UNIVERSITY GRANTS COMMISSION
EASTERN REGIONAL OFFICE
LB 8 Sector III Salt Lake, Kolkata 700 098

No. PHW-056/13-14

(ERO) ID No. WC2-009

Date: 08-Oct-15

The Accounts Officer
University Grants Commission
Eastern Regional Office, Kolkata 700 098

S.No.226045

Sub : Release of Grant-in-Aid under the Scheme of Minor Research Project in Humanities & Social Scie
and settlement of grants during XIIth Plan in the year 2015-16 to
Bangabasi Morning College

Sir/Madam,

I am directed to convey the sanction of the Commission for payment of Rs. **48000**
towards the scheme Minor Research Project in Humanities & Social Sc
to the Principal, Bangabasi Morning College
for the Plan expenditure to be incurred during the current financial year as per details given below:

Ronita Roy,English 2nd instalment	Approved allocation	Amount already sanctioned	Amount being sanctioned now	Total grant including the grant now being sanctioned
MRP-Recurring	120000	60000	48000	108000
			Total	48000

The College is requested to note:

- A. SC component: 15%, ST component:7.5%, General component (including Minorities):77.5%
B. No photocopy of bills/vouchers or the originals and detailed list of purchases should be sent with the accounts submitted unless specifically called for.

2. The sanctioned amount is debitible to Head 4.(ii)b(H) and valid for payment during the financial year 2015-16 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) Details (Name & Address) of Account Holder:

Bangabasi Morning College
Rajkumar Chakroborty Sarani,19 Scot Lane, Kolkata
West Bengal 700009

(b) Account No.:0396201000604

(c) Name & Address of Branch: Canara Bank, Sealdah, A.P.C. Road

(d) MICR Code of Branch: 700015024

(e) IFSC Code : CNRB0000396

(f) Type of Account : SB/Current/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 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.



ज्ञान-विज्ञान विमुक्तये

UNIVERSITY GRANTS COMMISSION
EASTERN REGIONAL OFFICE
LB 8 Sector III Salt Lake, Kolkata 700 098

No. CW-024/14-15

(ERO) ID No. WC2-009

Date: 08-Oct-15

The Accounts Officer
University Grants Commission
Eastern Regional Office, Kolkata 700 098

S.No. 226028

**Sub : Release of Grant-In-Aid under the Scheme of Seminar/Conference
and settlement of grants during XIIth Plan in the year 2015-16 to
Bangabasi Morning College**

Sir/Madam,

I am directed to convey the sanction of the Commission for payment of Rs. **20000**
towards the scheme **Seminar/Conference**
to the Principal, **Bangabasi Morning College**
for the Plan expenditure to be incurred during the current financial year as per details given below:

Commerce	Approved allocation	Amount already sanctioned	Amount being sanctioned now	Total grant including the grant now being sanctioned
Final instalment				
Seminar/Conference	100000	80000	20000	100000
			Total	20000

The College is requested to note:

- A. SC component: 15%, ST component: 7.5%, General component (including Minorities): 77.5%
B. No photocopy of bills/vouchers or 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 4.(iv)b and valid for payment during the financial year 2015-16 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) Details (Name & Address) of Account Holder:

Bangabasi Morning College
Rajkumar Chakroborty Sarani, 19 Scot Lane, Kolkata
West Bengal 700009

(b) Account No.: 0396201000604

(c) Name & Address of Branch: Canara Bank, Sealdah, A.P.C. Road

(d) MICR Code of Branch: 700015024

(e) IFSC Code : CNRB0000396

(f) Type of Account : SB/Current/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.
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9. A register of assets acquired, wholly or substantially out of the grant shall be maintained by the University/College in the prescribed form.



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद
विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission

Quality Profile

Name of the Institution : Bangabasi Morning College

Place : Rajkumar Chakraborty Sarani, Kolkata
West Bengal

<i>Criterion</i>	<i>Weightage (W_i)</i>	<i>Criterion Score (C_i)</i>
I. <i>Curricular Aspects</i>	100	74
II. <i>Teaching-Learning and Evaluation</i>	400	325
III. <i>Research, Consultancy and Extension</i>	50	30
IV. <i>Infrastructure and Learning Resources</i>	150	87
V. <i>Student Support and Progression</i>	100	85
VI. <i>Organization and Management</i>	100	76
VII. <i>Healthy Practices</i>	100	81
Total	$\Sigma W_i = 1000$	$\Sigma C_i = 758$

$$\text{Institutional Score} = \frac{\Sigma C_i}{\Sigma W_i} \times 100 = \frac{758}{1000} \times 100 = 75.80$$

Date : March 31, 2007

M. Masud
Director



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission

Wahidul Hasan

Communication Cum Publication Officer

NAAC/WH/Cert-A&A/2007/218/

April 24, 2007

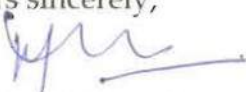
The Principal
Bangabasi Morning College
19, Rajkumar Chakraborty Sarani
Kolkata - 700009
West Bengal

Dear Sir/Madam,

As directed by the Director, NAAC, I am herewith enclosing the Certificate of Accreditation of your Institution. We wish the Institution all success in its efforts to become a lead Quality Institution of Higher Learning.

With warm regards,

Yours sincerely,


(Wahidul Hasan)

Encl.: a/a



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

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
Bangabasi Morning College
Rajkumar Chakraborty Sarani, Kolkata
affiliated to University of Calcutta, West Bengal as
Accredited
at the B⁺ level.*

Date : March 31, 2007



Director

- This certification is valid for a period of Five years with effect from March 31, 2007
- An institutional score (%) in the range of 55-60 denotes C grade, 60-65-C⁺ grade, 65-70-C⁺⁺ grade, 70-75- B grade, 75-80- B⁺ grade, 80-85-B⁺⁺ grade, 85-90- A grade, 90-95-A⁺ grade, 95-100-A⁺⁺ grade (upper limits exclusive)

March 31, 2007/218

PEER TEAM REPORT
ON
INSTITUTIONAL ASSESSMENT AND ACCREDITATION
OF
BANGABASI MORNING COLLEGE, KOLKATA (WB)

VISIT DATES : March 19-20, 2007

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
BANGALORE – 560 072

PEER TEAM REPORT
ON THE INSTITUTIONAL ASSESMENT AND ACCREDITATION OF
BANGABASI MORNING COLLEGE
19, RAJKUMAR CHAKRABORTY SARANI, KOLKATA – 700 009

MARCH 19-20, 2007

SECTION – I PREFACE

Bangabasi Morning College was established on January 18, 1965 with goals and objectives to enkindle the light of knowledge particularly amongst the poorer sections of the society. The college is located in an urban area located in an area of 0.60 acres of land and shares the accommodation along with Bangabasi Morning College and Bangabasi Evening College. It is a Grant-in-aid college affiliated to the University of Calcutta. The College is recognized by UGC, New Delhi under Non-Govt. Colleges category.

The courses offered by the College are B.A., B.Sc. and B.Com. both in Honours and General and the programme options are 6 and subjects taught are 16. The subjects are as follows:

Honours Courses :

Bengali, English, Political Science, Mathematics, Computer Science, Accounting & Finance, Physics and Botany.

General Courses :

Electives in Bengali, English, Urdu, Hindi, Political Science, History, Philosophy, Economics, Mathematics, Physics, Chemistry, Zoology, Botany, Anthropology, Computer Sciences, All compulsory subjects under B.Com. Syllabus.

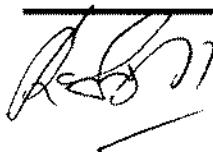
Compulsory Languages :

English and one language paper from Bengali, Hindi and Urdu

Common Paper for both Hons. & General degree courses :

Environmental Studies

The college is also offering Computer Science (Hons and General) on self-financing basis as interdisciplinary course. The college follows annual and semester systems as per University norms in the courses. During the last five years, four new programmes were introduced. Out of 40 sanctioned teaching posts, 33 posts are filled and the remaining 7 are vacant. For



handling additional work load one contractual and 17 part-time teachers are engaged. 40% of teachers possess Ph.D degree and 21% of teachers hold M. Phil degree. Few teachers, i.e.

48% have completed UGC-NET and SLET. Teacher-student ratio is 1:57. At present 36 non-teaching staff members are working against 38 sanctioned posts apart from 16 technical staff out of 17 sanctioned posts. During 2005-06, the number of students admitted to various courses is 1881 including 18 students from self-financing stream.

The college has volunteered itself for institutional assessment and accreditation by the NAAC and hence it has submitted the Self-Study Report to the latter. The NAAC constituted a Peer Team comprising *Prof. Ranbir Singh*, Vice Chancellor, NALSAR, Law University Hyderabad, as **Chairman**, *Prof. N. Satyanarayana*, Former Registrar and Dean, Faculty of Science, Kakatiya University, Warangal as **Member-Coordinator** and *Dr. Shukla Mahanty*, Principal, Jamshedpur Women's College, Jamshedpur as **Member**. The Peer Team visited the institution on March 19-20, 2007 for the validation of Self-Study Report and perusal of records, files and documents. During its visit it interacted with the Principal, Governing Body, Teaching and Non-Teaching Staff, Alumni and Students. Based on this procedure, it has prepared the following criterion – wise report.

The Unit cost of education is Rs. 8,180/- and excluding salary component it is Rs. 1,440/-.

SECTION – II CRITERION – WISE ANALYSIS

CRITERION – 1 : Curricular Aspects

1.1 Goal Orientation

The vision of the college is to preserve and promote academic excellence and uphold the true meaning and significance of the college monogram **by Reverence by Questioning and by Service one can pursue the true end of knowledge**: The mission of the college is to carry forward the torch of education and spread it amongst the poor who have deprived of higher education.

1.2 Curriculum Development

As an affiliated institution, the college has to follow the syllabus of the affiliating University. The faculty does not represent in the Boards Of Studies of University. Environmental Science is taught to all the students of B.A., B.Sc. and B.Com. as a multidisciplinary subject. Computer Science (both in Hons. and General) has been introduced in the college. Major



revision of syllabus has been done in all the subjects offered by the college during last two years.

1.3 Programme options

Degree courses are offered in the college both under General and Honours programmes. The cut off percentage of marks for admission at the entry level is divided into four(4) parts:

		Aggregate/Percentage	Subject
a)	Honours Course for the general category students;	Minimum 50%	Minimum 45% or 55% in the related subject
b)	Honours Course for the S.C. & S.T. students;	40%	40%
c)	General Course for the general category students;	350; 400 and 380 for B.A., B.Sc., B.Com.	
d)	General course for the S.C. & S.T. students.	330; 380 and 340 for B.A., B.Sc., B.Com.	

1.4 Academic Flexibility

Academic flexibility is made available to students to pursue the programme as per University norms. The students get the chance to complete the programme even after the three year duration. The institution provides limited horizontal mobility to the students for moving one subject combination to another within the same stream.

1.5 Feedback mechanism

The college gets feedback from the students, alumni and academic peers. However, the college does not collate and transmit the feedbacks to the University.

CRITERION – 2 : Teaching – Learning and Evaluation

2.1 Admission Process

Admissions to various programmes are made on the basis of merit. Students securing 60% in Higher Secondary results conducted by the West Bengal Council of Higher Secondary Education are admitted immediately and displayed on the Notice Board and the remaining seats are filled as per the merit and depending upon the intake capacity. Reservation rules of the state government are followed for admitting students into various courses. Women students are given concession in aggregate marks.



2.2 Catering Diverse Needs

The college is not assessing students' knowledge/needs and skills before the commencement teaching programme. Though bridge courses are designed to cover the inadequacy of an existing or discontinued course for upgradation of standard at present, the college is planning to organize bridge/remedial measures for the students belonging to weaker and educationally disadvantaged communities in the near future.

2.3 Teaching-Learning Process

The college follows lecture based method for imparting higher education. The class-room interactions through lectures are supplemented by educational excursions, inviting students to deliver lectures in the seminars, etc. The faculty members take tutorial classes almost regularly, particularly in the slack session. The college encourages students to participate in debates, group discussions, quiz and writing academic articles which contribute to self management of knowledge development and skill formation.

2.4 Teacher-Quality

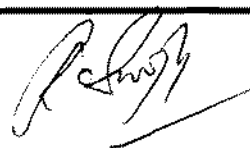
Teachers are appointed by the College on the recommendation of the West Bengal College Service Commission against sanctioned posts. To handle additional work-load, part-time teachers are appointed by a selection committee constituted by the college. Teachers are encouraged to attend orientation and refresher courses organized by UGC-Academic staff Colleges. The college sanctions special study leaves to the teachers for conducting research abroad also.

2.5 Evaluation of Teaching

The institution promotes self-appraisal of faculty members. Monthly feed backs from the teachers are submitted to the Principal, who in turn interacts with the teacher concerned and the in-charge of the department to overcome the difficulties or lapses noticed in the feed back and to improve teaching. Evaluation of teachers by students is also introduced. The University of Calcutta carries academic audit of the college.

2.6 Evaluation of Learning

Students' performance is monitored by the institution by conducting the four class tests apart from taking the monthly tests by the teachers. Evaluation methods are communicated to students through circulation and displaying on Notice Board.



2.7 Evaluation Reforms

Evaluation reforms are carried out through a question bank. Evaluated scripts are shown pertaining to Honours students for making the evaluation transparent. Even continuous assessment is being taken up by conducting class tests to Honours students.

CRITERION – 3 : Research, Consultancy & Extension

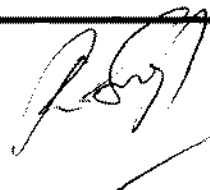
Research is not the basic activity in the College and hence no Research Committee is constituted to promote research. Number of teachers who have availed FIP of the UGC is 9 during the last five years. There are four minor research projects funded by UGC are going on under the supervision of the faculty members.

The faculty members of the institution have published good number of books, abstracts, proceedings and theses numbering 46.

Five faculty members of the college including Principal provided consultancy to Educational institutions and Government agencies without any financial benefit.

The College has a N.C.C. Wing with a capacity of 150 cadets (100 boys and 50 girls). The cadets were taught Disaster Management and used by Kolkata Police for traffic control at the time Durga Puja. One student has been selected to attend Republic Day Parade in New Delhi during this year.

The college has linkage with Loreto School Sealdah and Francois-Xavier Bagnoud, India. One teacher had Membership in Photographic Association of Bengal and was awarded the Best Photographer by the Ministry of Information and Broadcasting, New Delhi for 3 years. (Lalit Kala Academy). He was also awarded the best Nirman Excellency Prize in Photography in 2006 and he got two prizes from Govt. of West Bengal this year.



CRITERION – 4 : Infrastructure and Learning Resources

4.1 Physical Facilities

The college shares the building premises with the Bangabasi Evening and Bangabasi Colleges. The built-up area is 0.580 acres. The college building has required number of class rooms, library including reading room, science laboratories, teachers' room, office room, auditorium, separate common rooms for boys and girls, meeting rooms, play ground at Maidan and canteen. Apart from the above, the college is also having Principal's Room,

Physics Honours Practical Room, Students' Union Room, Equipments, Computer room. The college recently took lease of a dilapidated primary school building measuring 2572 square feet for 66 years at Surya Sen Street, Kolkata to have more space to run the college smoothly.

4.2 Maintenance of Infrastructure

The amount allocated in the budget towards maintenance of infrastructure every year is very less, as the building is shared by two more colleges.

4.3 Library as Learning Resources

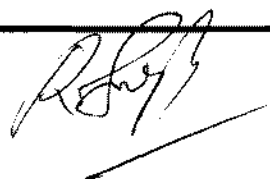
The total carpet area in the Central Library is 2000 square feet and has a seating capacity of 75. Apart from this, six departments have their own departmental libraries. The Library has an Advisory Committee. The college has a total of 13,345 books and 6,000 titles. It has also got 5,000 text books, 2,000 reference books and 50 magazines. During the last two years, it had procured 1267 books, 50 general books and 37 journals and periodicals. At present the library is subscribing for 5 Indian journals. The library remains open only for 4 hours a day and it has only one computer.

4.4 Computer as a Learning Resource

Because of lack of accommodation the college could not establish Computer centre. The total number of computers in the college is 11 and three departments are also having computer facilities. The computers are maintained by a Technical Assistant appointed for the purpose by utilizing the College Fund.

4.5 Other Facilities

Though the college does not have Health Centre, but the students are getting medical help from Students' Health Home. The college co-shares with the other two colleges the play



CRITERION – 4 : Infrastructure and Learning Resources

4.1 Physical Facilities

The college shares the building premises with the Bangabasi Evening and Bangabasi Colleges. The built-up area is 0.580 acres. The college building has required number of class rooms, library including reading room, science laboratories, teachers' room, office room, auditorium, separate common rooms for boys and girls, meeting rooms, play ground at Maidan and canteen. Apart from the above, the college is also having Principal's Room,

Physics Honours Practical Room, Students' Union Room, Equipments, Computer room. The college recently took lease of a dilapidated primary school building measuring 2572 square feet for 66 years at Surya Sen Street, Kolkata to have more space to run the college smoothly.

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4.3 Library as Learning Resources

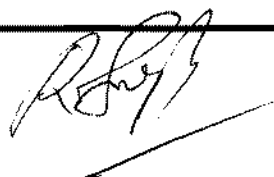
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4.5 Other Facilities

Though the college does not have Health Centre, but the students are getting medical help from Students' Health Home. The college co-shares with the other two colleges the play



ground with the pavilion at Kolkata Maidan. The college has Women's Rest room, Canteen and a Common Room.

CRITERION – 5 : Student support and progression

5.1 Student profile

During the year 2005-06 the total enrolment in the college is 1881. Of which 1583 are male and the remaining 298 are female and all belong to the same state. The drop out rate during the year is 24%.

5.2 Student progression

The college is not maintaining any records pertaining to the students progression.

5.3 Student support system

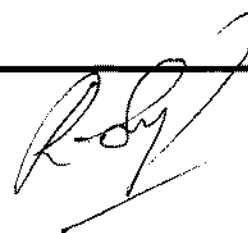
The college publishes the prospectus annually providing details about courses offered, fee structure, subjects taught in the college, combinations allowed, general information and code of conduct for the students, etc. The college provides counselling services to students even the college does not have a Placement and Employment Centre. The grievance cell is set up to redress the grievances of the students, teaching and non-teaching staff.

The college has alumni association and arranges for Health Check-up and Blood donation camps taking the help from Students Union every year apart from holding cultural events.

The students receive Scholarships from the State Government and the Institution apart from Endowment and Freeships. Poor and meritorious students of the college are granted financial aid from Students' Aid Fund. Altogether 171 students of the college have received financial aid from Students' Aid Fund this year. A few students received financial assistance for Medical Treatment and Direct Financial Support during last year.

5.4 Student Activities

20% of admissions to each of Arts, Commerce and Science courses are filled under sports quota. Two students represented Calcutta University in Football at Chandigarh and were awarded the Calcutta University Blue. The students are participating in extra-curricular and recreational activities like Essay Writing, Recitation and Debate, Music competitions,



Participation in T.V. programmes organized by Zee Bangla. In last 5 (five) years, the college has organized 2 (two) UGC sponsored State level seminars.

CRITERION – 6 : Organization and Management

6.1 Leadership

The head of the institution provides leadership in the functioning and the growth of the college. He along with Governing Body, Teachers Council and non-teaching staff runs the college smoothly. He is supposed to implement all the decisions taken by the Governing Body of the College.

6.2 Organization structure, powers and functions of the functionaries

The organizational structure of the college is hierarchical with a governing body as an apex body. For the smooth functioning of the college various sub-committees like Finance, Academic, Planning and Development, SC & ST Cell, P.F. Sub-Committee and Grievance and Redressal Cell are constituted. Four meetings of Governing Body, three meetings each of Finance Sub-Committee and Teachers Council were held during the last year. The resolutions of the Governing Body are implemented for the development of the college. The Principal of the college along with the Head Clerk and Secretary, Teachers Council, Secretary, Non-Teaching Staff Association and President of the Students' Union and with the help of General Secretary plays an effective role in the internal co-ordination mechanism.

6.3 Perspective Planning

Academic Sub-committee prepares the Academic Calendar before commencement of the academic session and the in-charges of the departments prepare the same with the help of the other teachers of their respective departments. The perspective planning of the college is to open Honours courses in Science, Arts and Education faculty. It also plans to renovate and restructure the second campus to make room for the Science Departments and to open NSS Wing in the College.

6.4 Manpower planning and recruitment

Regular teachers are appointed on the basis of recommendations made by the West Bengal College Service commission. Regarding the appointment of the non-teaching staff, the governing body forms a committee which appoints the persons from amongst the candidates sent by the local employment exchange. The ratio of teachers to non-teaching staff is about 1:1.

6.5 Performance appraisal

The college has a self-appraisal method through self-appraisal formats. The principal reviews the performance of the teaching staff on the basis of self-appraisal reports every month. At the time of promotion the performance of the teachers are evaluated based on the appraisal reports. The Principal distributes the work load among the non-teaching staff members and appraises their performance. Academic and Administrative management was conducted by the Office of the Inspector of Colleges, University of Calcutta and the College had taken necessary steps on the points raised by the team.

6.6 Staff development programs

During the last five years, the college has organized two National Seminars, 6 invited lectures and 6 departmental seminars.

6.7 Resource mobilization

The college mobilizes its resources through grant-in-aid from the state government, fees collected from the students both under regular and self-financing schemes, etc.

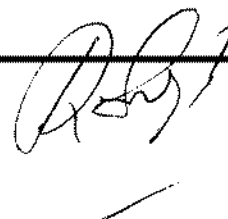
6.8 Financial Management

Though inadequate, both the operating and maintenance budget of the college it has spent some amount for learning resources and maintenance of infrastructure. Internal and External audit system of the accounts prevails in the college. The accounts are not audited regularly because of non recruitment of cashier. The accounts have been audited up to the financial year 2001-02.

CRITERION – 7 : Healthy Practices

The Peer Team during its visit has observed certain healthy practices followed by the institution. Through these healthy practices, it is making efforts to realize its goals and objectives.

- The College imparts value-based education in classrooms through discussion, dialogue and interactions in an informal way.
- Civic responsibility among the students is inculcated by organizing several welfare activities like Blood Donation Camps, Aids awareness programmes etc.



- The college encourages students to participate in debates, group discussions, quiz and writing academic articles which contribute to self management of knowledge development and skill formation.
- Providing Loans and advances to the permanent teaching staff.
- The College Staff and the Principal have good working relations.
- The College adopts a well organized mechanism for quality enhancement through various activities involving students and teachers.

SECTION – III - OVERALL ANALYSIS

After going through the self-study report and visit to various academic and physical facilities the Peer Team is appreciative of the progress made by the college during the last three decades. The Peer Team expresses its commendations on the following aspects:

- The college shares the built up area with two other colleges run in the Day and Evening.
- Its efforts are laudable in imparting quality higher education to the poor students Comming from rural areas.
- The Governing Body and the Principal are taking all possible steps to transform the college into a standard institution.
- Discipline is maintained in the college.
- Creation of NCC Wing.
- Leasing of dilapidated Primary School for 66 years to create the second campus and plans to renovate it and shifting of Science Departments.



RECOMMENDATIONS

The Peer Team makes the following recommendations for the future development of the college keeping in mind the paradigm shift in the realm of higher education in the 21st century. The implementation of these recommendations would enable the learners to compete with the students of the semi-urban and rural areas and to get opportunities for employment.

- All the sanctioned teaching posts may be filled immediately in order to enhance teaching quality and academic ambience.
- The college has to introduce more UG courses in Science and Humanities and other Vocational Certificate/Diploma Courses. (IT Oriented and others)
- The college has to organize Faculty development and Orientation programmes to the teachers so as to enable them to keep in tune with the latest trends in the academic scenario.
- Efforts for strengthening the Science laboratories, Computer Science Department and to encourage skilled persons with a better salary who are on temporary basis.
- Establishment of Computer Centre with internet facility in a bigger hall.
- Installation of computers in the day-to-day functioning of the office and to train the staff to know the basics about the use of computers.
- The library in the college may be further strengthened by shifting to a more spacious hall and modernized with complete automation and by procuring latest books. Certain professional journals and large number of dailies are to be subscribed.
- Book bank facility to the economically backward students.
- The college may arrange extension lectures and classroom seminars by inviting experts from outside periodically.
- The use of new teaching aids like public address system, OHP, IT equipment may be enhanced for strengthening the teaching.
- To strengthen the sports activities, including a gymnasium.
- Steps have to be taken to provide loans and other welfare measures to the non-teaching, to boost their morale and to work hard with dedication and commitment.
- Alumni Association needs to be strengthened by enrolling large number of members and by conducting periodical meetings.
- Up-to-date auditing of Accounts of the college.

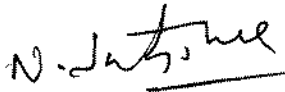
- It is commendable that certain Departments of the college have gifted teachers / researchers. The college shall utilize their services by introducing new professional /job oriented programmes, tie-up with Industry /National Labs for the training the students and for joint research projects.

The Peer Team expresses its thanks to the Principal, members of the Governing body, coordinator, teaching & non-teaching staff, alumni and the students for their co-operation and interaction. It also offers its thanks to Dr. M.S.Shyamasundar, Deputy Advisor, NAAC for his co-ordination.

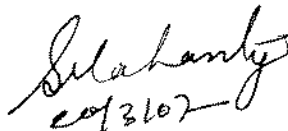
Prof. Ranbir Singh
Chairman



Prof. N. Satyanarayana
Member-Coordinator



Dr. Shukla Mahanty
Member



I agree with the observations and recommendations made by the Peer Team in this report.

Principal
Bangabasi Morning College

PRINCIPAL
Bangabasi Morning College
Kolkata- 700009



Profile of the College

Name of the College : BANGABASI MORNING COLLEGE
Place : Kolkata State : West Bengal
Date of Visit : 19 – 20 March 2007
Status of the College : Affiliated Constituent Autonomous
Financial Category : Grant-in-aid Government Funded Self-Financing
Type of College : Main Women Co-education
Number of Departments : Arts : 8 Science : 7 Commerce : 1 Any other : 0 Total : 16
Number of programs : UG : 16 PG 0 M.Phil 0 Ph.D 0 Any other : 0 Total : 0
Year of Establishment : 1965
UGC Recognition : Under 2(f) and 12 B : 2(f)
Location of the College : Urban Semi-Urban Rural Tribal
Area of the Campus (in acres) : 0.600 (Acres)
Number of teachers :

	Men	Women	Total
Parmanent	19	14	33
Temporary	10	7	17
Total No. of Teachers Ph.D	5	9	14
Total No. of Teachers M.Phil	3	1	4
Total No. of Teachers P.G	21	7	28

Number of Non-teaching Staff :

	Men	Women	Total
Technical Staff	17	0	17
Administrative Staff	23	5	28

Number of Students :

	Men	Women	Total
U.G.	1583	298	1881
P.G.	NIL	NIL	NIL
M.Phil	NIL	NIL	NIL
Ph.D	NIL	NIL	NIL
Any other	NIL	NIL	NIL

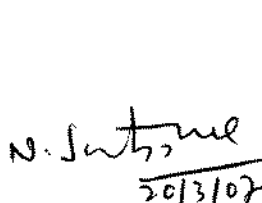
Student Progression U.G. :

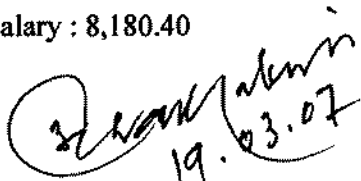
Batch – I - Year -- 2006 : Success Rate : 94 % Dropout Rate : 24 %
 Batch – II - Year -- 2005 : Success Rate : 88 % Dropout Rate : 25 %

Unit cost of Education : Excluding Salary : 1,444.70 Including Salary : 8,180.40


 Name:

 Chairperson :


 Signature with Date
 N. Senthil
 20/3/07


 Signature of the Principal
 With Seal
 19.03.07

NAAC OFFICER :

PRINCIPAL
 Bangabasi Morning College
 Kolkata- 700009



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

2007: Year of promoting Internal Quality Assurance Systems

प्रो. वी.एस. प्रसाद

निदेशक

Prof. V.S. Prasad

Director

NAAC/VS/Dir-Sec/IQAC-218/2007/

April 23, 2007

The Principal

Bangabasi Morning College

19, Rajkumar Chakraborty Sarani

Kolkata - 700009, West Bengal

Dear Principal,

As you are aware the National Assessment and Accreditation Council (NAAC) is working with the objective of bringing out quality and excellence in higher education. Quality assessment, sustenance and promotion are some of its major activities. With the active support and involvement from the cross section of academia, NAAC has so far accredited 140 Universities and 3492 Colleges.

To keep continuous association with higher education institutions, NAAC is launching several schemes for post-accreditation quality sustenance. It has formulated guidelines for financial and academic support for conducting national and international seminars/workshops by the accredited Universities and Colleges. These guidelines are available on NAACs website www.naacindia.org.

As an important post-accreditation quality sustenance activity, NAAC has developed guidelines for creation of Internal Quality Assurance Cell (IQAC) in all accredited institutions. A copy of these guidelines is enclosed for your perusal and necessary action. These guidelines are broad-based and institutions may adapt them to their specific needs. Since quality enhancement is a continuous process, the IQAC will become a part of institution's system and work towards realizing the goals of the institution.

... 2

NAAC

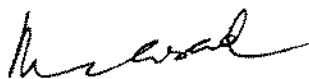
- 2 -

The prime task of IQAC is to develop a system for conscious, consistent and catalytic improvement in the performance of the institutions. IQAC will help to channelise the efforts and measures of the institution towards academic excellence.

All the accredited institutions are requested to establish IQAC and submit a self reviewed progress report (Annual Quality Assurance Report - AQAR) to NAAC in the end of every academic year detailing the tangible results achieved in key areas, which are specifically identified by the IQAC in the beginning of the academic year. The general format of the AQAR is also enclosed for guidance.

A line of confirmation of the establishment of IQAC in your esteemed institution will be highly appreciated.

With regards,
Yours sincerely,



(V. S. Prasad)

Encl: *a/a*

1. FACULTY INVOLVED IN PH.D.

REGISTERED FOR PH.D.

Sl. No.	Name	Dept.	Year	Topic Name
1.	Sri Bimal Sarkar	Economics	2012	Remittances and Its impact on Some Important Macroeconomic Variables in the Economy of Bangladesh
2.	Sri Piyush Kant Rai	Hindi	2012	Samakaleen Upanyas aur Sthaniya Asmita ka Sangharsh
3.	Sri Prithwiraj Halder	Mathematics	2012	On Some Problems Connected with the Structure of Topological Quasi- Algeb
4.	Smt. Paramita Chatterjee	Botany	2012	Studies on salt induced changes in growth and metabolism in some legume cultivars and its possible alterations by pretreatment with sodium chloride
5.	Smt. Tulika Chakravorti	Political Science	2013	Marginalisation and Development of Women of Fishing Community: A Case Study of JelePara
6.	Smt. Priyanka Saha	Commerce	2013	Corporate Social Responsibility Practices of Select Indian Multinational Company: A Study on Emerging Trend
7.	Sri Ranjit Kumar	Hindi	2013	Swatantrayottar Hindi Upanyas aur Bharat Vibhajan ki Trasadi
8.	Smt. Moumita Sarkar (Samanta)	Commerce	2014	Service Quality of Selected Hotels in Kolkata – A Study on the Perception of Tourists

SUBMITTED Ph.D. THESIS

Sl No.	Name	Department	Year	Topic Name
1.	Smt. Papiya Saha	Botany	2015	Studies on salt induced physio-chemical changes in mungbean (<i>Vigna radiata</i> L. Wilczek) and its possible reversal by preconditioning with sodium chloride
2.	Sri Subhabrata Dinda	Commerce	2013	Projected Circular Probability Distributions: Constructions Statistical Interference and

				Applications
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AWARDED Ph.D

Name	Department	Topic Name
Dr. Madan Chandra Karan	Bengali	Amiyabhushaner Upanyase Lokayata Upadan
Dr. Asutosh Kumar	Hindi	Hindi ki Navlekhan Mulak Sahitya Patrakarita ko nikash ka yogdan
Dr. Sreejata Biswas	Zoology	Earthworm species and gutflora associates: Assessment of their potential in improving soil fertility and bioconversion of organic wastes
Dr. Prasenjit Sarkar	Anthropology	The Kapali: a Backward Community in the Context of larger Society
Dr. Anindya Sarkar	Physics	Studies on Defect Dependent Properties in Oxide Superconductors and Some Other Oxides
Dr. Radharaman Bar	Botany	Diversity of Cypselar Features in some Compositae
Dr. Sanchita Bose	Bengali	Parshuramer Chhotogalpo: Nirmaner Shilpo

2. Major/Minor Research Details

Name & Subject	Nature of the Project/Status	Duration/ Year	Name of the	Total Grant Sanctioned	Grant Received
---------------------------	-------------------------------------	-----------------------	--------------------	-------------------------------	-----------------------

			Funding Agency		
Dr. Ronita Roy English	Minor Project Ongoing	2014-2016	UGC	Rs. 1,20,000	Rs. 1,08,000
Dr. Sreejata Biswas Zoology	Minor Project Ongoing	2013-2015	UGC	Rs. 3,75,000	Rs. 3,53,000
Dr. Sanchita Bose Bengali	Minor Project Ongoing	2015-2017	UGC	Rs. 1,80,000	Rs. 1,45,000

3. NUMBER OF COMPLETED/ONGOING PROJECTS

Department	No. of Projects		
	Major Projects	Minor Projects	
		Completed	Ongoing
Physics, Chemistry, Botany, Mathematics	N.A.	06	03

4. Details of the publication by the faculty Department-wise:

Sl. No.	Departments	No of papers in National/International Journals	No. of papers in others	No. of books/ Journals		No. of edited books/ Journals	No. of chapter in edited books	Total publications
				With ISBN	Without ISBN			
1.	Bengali	10	6	6	12	0	15	49
2.	English	0	0	0	0	1	0	1
3.	Hindi	2	0	4	0	0	4	10
4.	History	6	4	0	2	0	2	14

BANGABASI MORNING COLLEGE, KOLKATA
RE-ACCREDITATION REPORT – 2015

Annexure-06

5.	Political Science	3	2	0	0	0	0	5
6.	Economics	13	0	0	0	0	16	29
7.	Mathematics	4	0	10	0	1	0	15
8.	Chemistry	17	0	0	0	0	0	17
9.	Physics	28	0	0	0	1	1	30
10.	Anthropology	6	1	0	0	1	1	9
11.	Botany	16	0	2	0	2	2	22
12.	Zoology	40	0	1	0	1	1	43
13.	Commerce	3	0	0	0	1	1	5
14.	Computer Science	4	0	0	0	1	1	6
Total		152	13	23	14	9	44	255



Bangabasi Morning College Alumni Association
19, Raj Kumar Chakraborty Sarani (Scott Lane), Kolkata - 700 009

Chairperson	: Dr. Sandeep Sinha (Principal)
President	: Mr. Ashok Deb (MLA)
Vice President	: Mr. Swarna Kamal Saha (MLA)
Working President	: Mr. Jahar Lal Das
Jt. Secretaries	: Mr. Biswajit Das & Mr. Sanjoy Chakraborty
Treasurer	: Mr. Ranjan Chakraborty
Souvenir Secretaries	: Mr. Sudip Majumder, Dr. Pojijur Rahaman Mr. Mrinal Sen, Mr. Nirmalya Sarkar, Mrs. Susmita Dey (China)
Cultural Secretaries	: Mrs. Sabita Bhattacharya, Mr. Goutam Das, Mrs. Shibani Roy, Mrs. Shilpi Nath, Mrs. Anju Gupta, Mrs. Rumi Mukherjee, Mrs. Indrani Ghosh

: Executive :

Mr. Atin Ghosh (Mayor-In-Council)	Mr. Prabir Kumar Misra (Judge)
Mr. Tarak Chakraborty (Councillor)	Mr. Sambhu Nath Kow (Councillor)
Ms. Mousumi Dey (Councillor)	Dr. R. N. Maity (Notary)
Mr. Dhiman Sen	Mr. Dilip Ghosh (Advocate)
Dr. Mrs. Rupa Biswas	Mr. Bipradas Chatterjee
Mr. Kapat Ranjan Banerjee (Advocate)	Mr. Anupam Hari
Mr. Kali Prasad Chakraborty	Mr. Hirak Shankhari
Mr. Ajoy Deb	Mr. Aniruddha Chakraborty
Mr. Masud Karim (Advocate)	Mr. Hyder Ali Khan
Mr. Dipak Dutta	Dr. Santosh Mishra
Mr. Arup Panchali	Mr. Dipak Kr. Singh

Mr. Bhupal Guha Roy
Mr. Gopal Bhattacharya
Mr. Mihir Basu
Dr. Naseem Ahmed

Mr. Moloy Pandey
Mr. Sudip Kumar
Mr. Chanchal Kumar Dey (Advocate)

Founder Members Of

1. Mr. Ashok Deb
2. Mr. Jahar Lal Das
3. Mr. Sanjoy Chakraborty
4. Mr. Biswajit Das
5. Mr. Ranjan Chakraborty
6. Dr. Mrs. Rupa Biswas (Banerjee)
7. Mr. Salil Baran Majumder
8. Mr. Mrinal Sen
9. Mr. Anupam Hari
10. Mr. Dilip Ghosh
11. Mr. Sudip Majumder
12. Mr. Sajal Das
13. Mr. Nirmalya Sarkar

Advisory Committee

Sri Satyabrata Chowdhury (Ex-Principal)
Dr. Chittabrata Chakrabarti (Ex-Principal)
Syed Haider Hasan Kazimi (Ex-Teacher In Charge)
Dr. Shyamali Majumdar (Ex-Teacher In Charge)
Dr. Sandeep Sinha (Principal)
Dr. Hemendranath Banerjee
Sri Achintya Kumar Biswas
Sri Arup Ranjan Pradhan
Sri Kinsuk Sen
Sri Nema Banerjee
Sri Nikhil Ranjan Kundu
Dr. Basanti Chaki
Dr. Amalendu Mukherjee
Dr. Mukul Kumar Mitra
Dr. Sujata Sinha
Dr. Dilip Kumar Chatterjee
Dr. Kanchan Kuntala Mukherjee
Sri Sanat Kumar Chatterjee
Dr. Asutosh Kumar
Sri Partha Bhattacharya
Dr. Prasenjit Sarkar
Dr. Sreejata Biswas
Dr. Amitava Dutta
Dr. Madan Chandra Karan, Vidyalandara
Dr. Anindya Sarkar
Smt. Malabika Bhowmick
Dr. Sanchita Bose
Prof. Arup Debnath
Smt. Shila Ghosh

NSS

In the year 2009 the college started an NSS wing. As per the National Service Scheme, under the Ministry of Youth Affairs & Sports Govt. of India, the NSS of our college works with a primary focus on the development of personality of students through community service. The wing regularly arranges programmes on important social and environmental issues like water crisis, thalassaemia awareness, and importance of greenery and also performs social works in slums and villages. Intra-College Quiz Contest are organized by NSS for generation of environmental awareness. Plantation and maintenance of potted plants in college premises are other regular activities of the NSS. The wing has a maximum capacity for 150 volunteers. Regular participation of NSS wing in programme organized by the University of Calcutta and other colleges and winning trophies and medals are noteworthy.

Social works are carried on by the NSS wing in an adopted village, Ayangachi, Howrah and adjacent areas. Blood testing camp for carrier of Thalassaemia was organised by NSS unit in collaboration with School of Tropical Medicine, Kolkata.

The NSS wing actively participates in various programmes and competitions. In 2014-2015 session one NSS volunteer of Bangabasi Morning College won State Level Award.

NCC

Bangabasi Morning College has an NCC wing with a cadet capacity of 150. The NCC aims at developing character, comradeship, discipline, secular outlook, the spirit of adventure and ideals of selfless service amongst young citizens. The recent activities include participation of NCC wing in CATC I Maheshtala High School and CATC II Gabberia High School and achieving the Best Cadet and Camp Senior CATC II award during 2012-13 academic session. In 2011-2012 session, Assistant NCC Officer (ANO), Lt. Debashish Chowdhury lead three cadets of Bangabasi Morning College in All India National Integration Camp (NIC) at Peddapuram (Kakinara Group), A.P., representing West Bengal and Sikkim Directorate. The team secures First position. In 2013-14 the wing participated in CATC I Maheshtala High School and CATC II Dankuni High School. In 2012-2013 session NCC of Bangabasi Morning College achieved the Best Cadet and Camp Senior CATC II Award.

2010

Assistant NCC officer (ANO), Lt. D.C. lead two cadets of BMC in All India National Integration Camp (NIC) at Peddapuram (Kakinara Group), A.P. representing West Bengal and Sikkim Directorate, The team secured 2nd position.

2011

Assistant NCC officer (ANO), Lt. D.C. lead three cadets of BMC in All India National Integration Camp (NIC) at Peddapuram (Kakinara Group), A.P. representing West Bengal and Sikkim Directorate, The team secured 1st position.

2014

Assistant NCC officer (ANO), Lt. D.C. lead two cadets of BMC in All India National Integration Camp (NIC) at Bharatpur, representing West Bengal and Sikkim Directorate

Every year

BANGABASI MORNING COLLEGE, KOLKATA
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Annexure-08

40-50 cadets are lead by Lt. D.C. in 1 Bengal Battalion NCC in one CATC (Combined Annual Training Camp) held in different locations like Mahestala, Dankuni and so on.

2014-2015

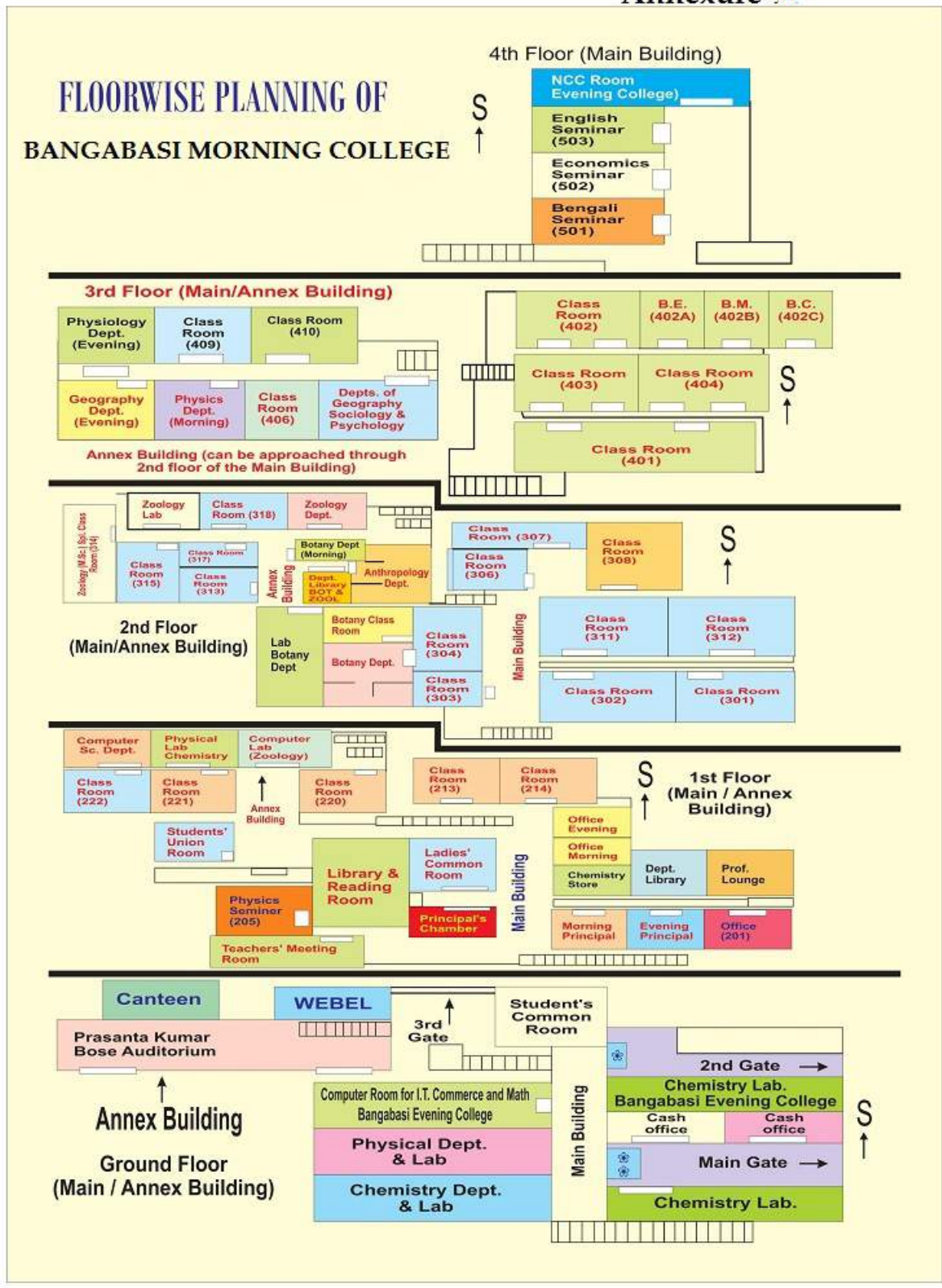
Lt. D.C. with four cadets joined Preparatory Camp for Selection of sportsmen/ Athlete cadets at Salt Lake Stadium.

Lt. Chowdhury was detailed for National Games Camp (NGC) at New Delhi.

From 4-18 Dec., 2015 Lt. D.C. with eight cadets have joined Army Attachment Camp in 7 Bihar Regiment Barrack at Salt Lake.

Annexure-09

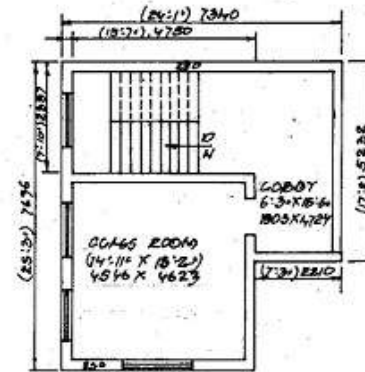
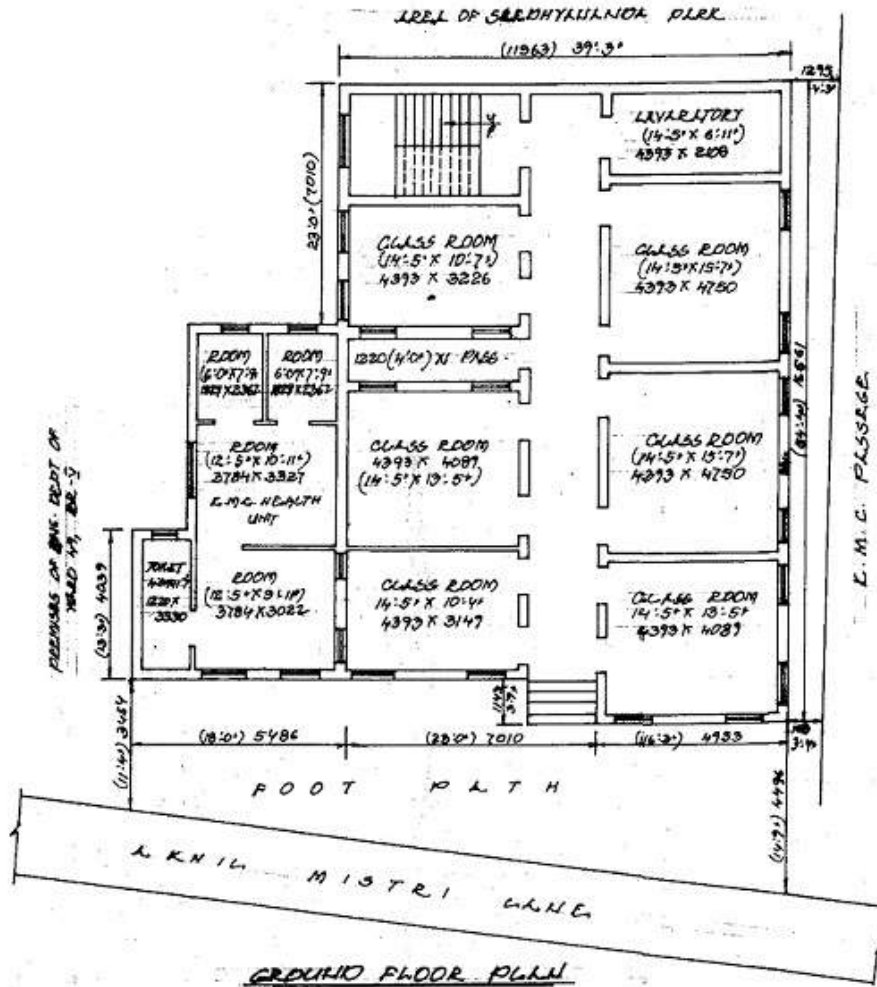
**FLOORWISE PLANNING OF
BANGABASI MORNING COLLEGE**



THE ROCKITA MUNICIPAL CORPORATION
CHIEF VALUER AND SURVEYOR'S DEPT.
EXISTING PLAN SHOWING OF K.M.C. PRIMARY SCHOOL.
AT P.P. NO. 34, SURYA SEN STREET KOLKATA-700009

SCALE = 1"=10'

2nd Campus



FIRST FLOOR PLAN



1. GROUND COVERED AREA OF K.M.C. PRIMARY SCHOOL = 2022.513 SQFT INCLUDING STAIR CASE.
2. FIRST FLOOR COVERED AREA OF PRIMARY SCHOOL = 547.499 SQFT INCLUDING STAIR CASE.
3. AREA OF STAIR CASE PORTION 178.49.384 OF SECOND FLOOR.
4. OPEN TERRACE AREA OF 1ST FL. = 173.011 SQFT



Government of India

Ministry of Human Resource Development

Department of Higher Education

Statistics Division

New Delhi

Certificate



Reference No.C-11960-2014

This is to certify that Sudin Dulal Bose of Bangabasi Morning College has successfully uploaded the data of All India Survey on Higher Education(AISHE) 2014-2015.

(B N Tiwari)

Deputy Director General

Dated: 15/12/2015