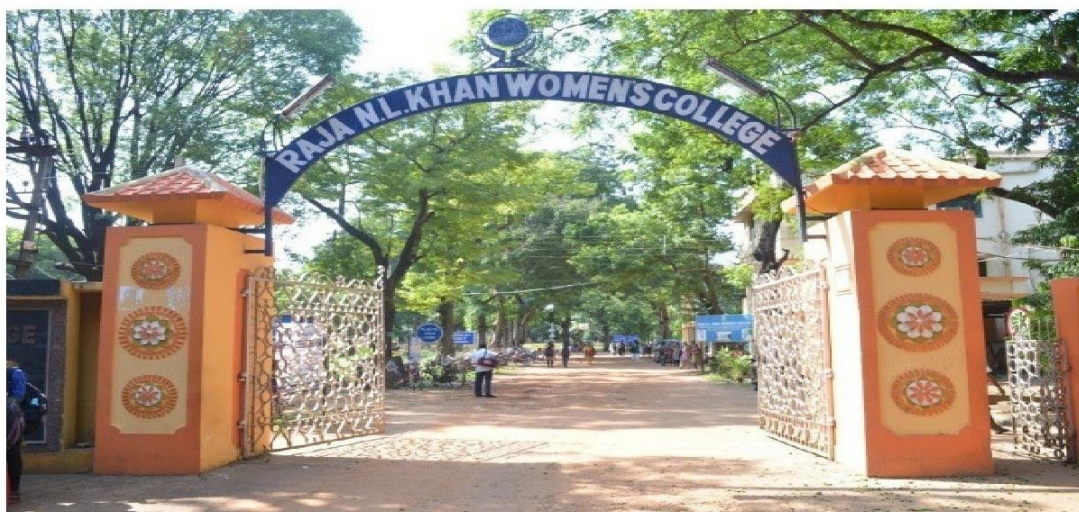


**SELF STUDY REPORT
FOR
ACCREDITATION [CYCLE 3]
OF
RAJA NARENDRALAL KHAN WOMEN'S COLLEGE**

**Affiliated to Vidyasagar University
Accredited as 'A' grade College by NAAC in 2004 and 2011
Recognized as a "Centre of Potential for Excellence" by UGC, DST FIST Sponsored Science
Departments, 'STAR' college by DBT, Govt. of India.**



**RAJA NARENDRALAL KHAN WOMEN'S COLLEGE
Midnapore
Paschim Medinipore– 721102
West Bengal**

Website: www.rnlkwc.org

**SUBMITTED TO
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC)
BANGALORE – 560072
February, 2016**



OFFICE OF THE PRINCIPAL

Phone : (03222) : 275426 / Fax : (03222) : 297865
Website :- rnkwc.org / email - rnkcollege@gmail.com**Raja Narendralal Khan Women's College**

(GOVT. SPONSORED) ★ ESTD.- 1957

NAAC RE-ACCREDITED 'A' GRADE COLLEGE ★ DST (FIST) GOVT. OF INDIA APPROVED COLLEGE

COLLEGE WITH POTENTIAL FOR EXCELLENCE (CPE) BY UGC, UGC APPROVED FOR BASIC SCIENCE & RESEARCH (BSR) DBT Star College

GOPE PALACE ❖ MIDNAPORE ❖ DIST.- PASCHIM MEDINIPUR ❖ PIN - 721102 (W.B.)

Ref. No.

Date 5-2-2016

To
The Director
National Assessment and Accreditation Council (NAAC)
P.O Box No.-1075, Nagabhavi,
Bangalore-560072
India.

Sub: Uploading of Self Study Report – 2016 of Raja Narendralal Khan Women's College, Gope Palace,
Midnapore, West Bengal

Sir,

In compliance of our LOI requirements, I am glad to upload the Self Study Report – 2016 in the
official website of our college (www.rnkwc.org) for third cycle of accreditation by NAAC.

Thanking you.

Yours sincerely

(Dr. Jayasree Laha)

Date: 5-2-2016

Principal
Principal,
Raja N. L. Khan Women's College
Midnapore

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Our Heritage



Netaji Subhas Chandra Bose and Mahatma Gandhi in Gope Palace



Raja Narendralal Khan



Raja Debendralal Khan



Gope Palace – The Administrative Building of the College.

A. PREFACE

PREFACE

Raja Narendra Lal Khan Women's College is a rural college situated in a backward junglemahal area of Kankabati Gram Panchayat, Paschim Medinipur district. Out of 3444 students, more than 70% of the students hail from villages and nearly 45% students belong to SC/ST/OBC and minority communities. The administrative building of the College-the Gope Palace was built during the time of Raja Narendra Lal Khan, the king of Narajole in 1895. Due to the active role of his son Raja Debendra Lal Khan in the freedom movement and as a member of the Indian National Congress, this palace was visited by many stalwarts like **Mahatma Gandhi who stayed in this palace twice, Deshbandhu Chittaranjan Das, Pandit Jawahar Lal Nehru, Netaji Subhas Chandra Bose, Smt Kamala Nehru and Smt Indira Gandhi. Paintings by Hemchandra Kanungo, the famous revolutionary** are displayed in the palace along with many rare photographs and antique items. Eminent scholars and writers like Acharya Prafulla Chandra Roy and Sri. Sarat Chandra Chattopadhyaya also visited this palace. The palace has been declared as a Heritage Building by the West Bengal Heritage Commission (Act IX of 2001).

The College has twenty two undergraduate and one post graduate departments offering honours and general courses in Science and Arts. The college has displayed significant growth in terms of infrastructure and in the academic with a vibrant research unit. **At present, it is one of the best women's college in West Bengal and in recognition of its achievements NAAC has accredited the college as 'A' grade twice in 2004 and 2011, the College is recognized as a –Centre with Potential for Excellencell by UGC, science departments have received the prestigious DST FIST and has been selected as 'STAR' college by DBT, Govt. of India.** The college has its own Counselling, Training and Placement cell offering psychological counseling, career counseling, value added courses, entrepreneurship development programmes and conducting campus placement drives Mandatory computer course and spoken English course for all students have been initiated, students are given access to e-learning lab and language lab for reference work and to enhance communicative skills. The college hosts Study Centre of Netaji Subhas Open University, where 14 UG and 10 PG courses are running having about 4000 students.

The College was assessed and accredited by National Assessment and Accreditation Council (NAAC), Bangalore for the first cycle in September, 2003 and awarded an A Grade on **2004**. The Internal Quality Assurance Cell (IQAC) was established on the recommendations of the Peer Team for enhancing the quality of academics in the college on 3rd March, 2005. The college was assessed and accredited for its second cycle by NAAC, Bangalore from 7th to 9th February, 2011 and was subsequently awarded A Grade with **3.1** CGPA.

During the past few years, NAAC peer Team recommendations were attended to and the college has made tireless efforts to comply with those recommendations. The peer Team recommendations allowed the college to introspect and improve on quality parameters. A more functional IQAC with defined roles and responsibilities was a major initiative taken by the college. More teachers were involved in preparing the SSR along with the IQAC. Introspections and discussions amongst teachers have helped in preparing a precise Self Study Report (SSR).

The college has witnessed many changes during the last five years. Some experienced teachers retired and the next generation of teachers have taken over the responsibility of carrying forward the tradition and legacy of the college. Some new academic programmes like B.A. in Human Rights and Certificate courses in Soft Toy making, Art and Craft were initiated and are being conducted successfully. This has also given an opportunity to invite and interact with experts from various fields who shared their knowledge and helped in expanding our academic horizons and enhancing the overall quality of teaching-learning. Resource mobilization from various funding agencies was taken up as a major strategy to improve the infrastructure, augment teaching-learning facilities and allocate projects to students to make learning more student centric. Funds from CPE-UGC and DST-FIST (Ministry of Science and Technology) has helped the college in enhancing the infrastructure for teaching and research. Programmes like DBT (Department of Biotechnology, Ministry of Science and Technology)-STAR scheme have focussed on additional skill development amongst undergraduate students. Research endeavors have been geared up in the last five years with increased participation of students and teachers in research with a greater number of major and minor research projects being funded by different funding agencies. The preparation of SSR involved teamwork and the members have taken efforts to prepare the SSR. The SSR includes the Preface and cover letter, Executive Summary, SWOC of the institution, Profile of the college, Criterion wise inputs, Evaluative Report of the Departments, Post Accreditation Initiatives, Annexure supporting the data, Declaration by the Head of the Institution and Certificate of Compliance. The SSR has been shared with teachers, students and the management at every stage of its preparation and finalization.

I take this opportunity to express my sincere thanks to each and every individual colleague for their valuable contribution in preparing the SSR. I express my deep sense of gratitude to the President of the Governing Body and all members of the Governing Body for their constant support in all the endeavors of the college. I would also like to acknowledge the tireless efforts of the IQAC members and all seven Criteria In-Charges, Heads of Departments, Members of the Steering Committee and all teachers for their support in our journey towards excellence. The IQAC Coordinator has played a pivotal role in propagating quality initiatives in the college and rejuvenating the IQAC. The Head clerk and his team of office staff have responded very well and worked very efficiently in providing data for preparation of the SSR.

Date-05/02/2016

Dr. Jayasree Laha

(Principal)

Raja N. L Khan Women's College

B.

**EXECUTIVE SUMMARY AND
THE SWOC ANALYSIS OF THE
INSTITUTION**

Part – A

Executive Summary and SWOC Analysis**Criterion – I: Curriculum Aspects**

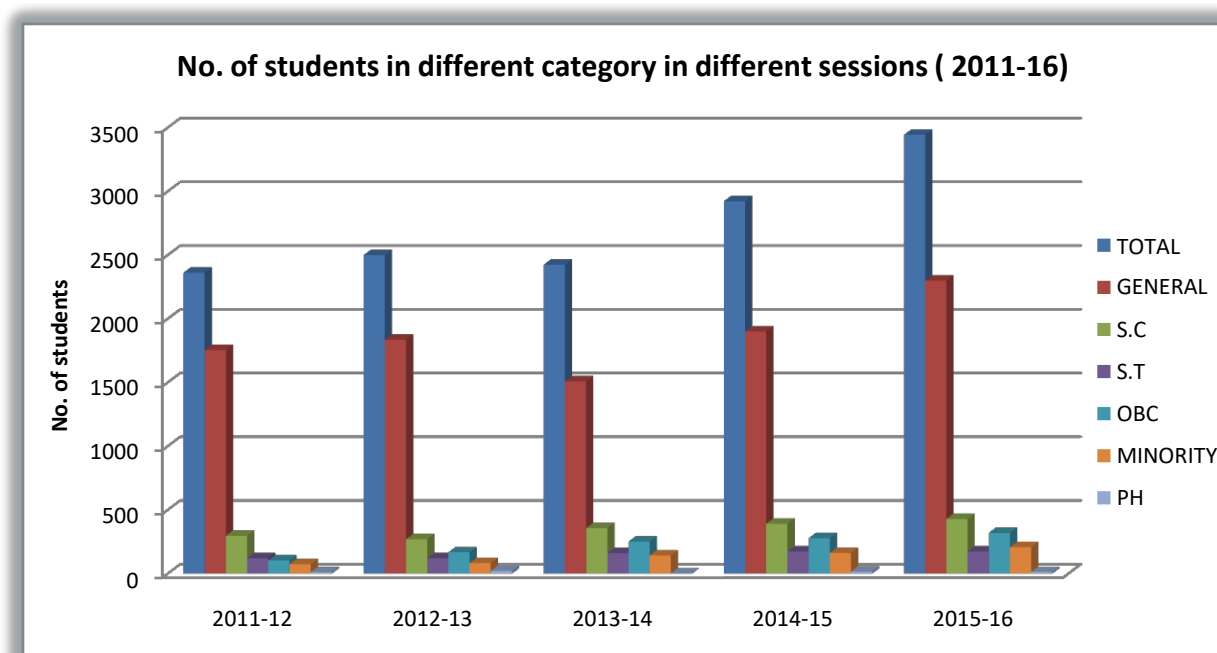
- ❖ Human Rights has been introduced as a General subject at the undergraduate level from 2012.
- ❖ Two new certificate courses have been introduced–Certificate Course in Dance and Certificate Course in Art and Craft.
- ❖ No of courses run in Distance Education mode under NSOU has increased from a total of 15 courses to 14 courses at UG level and 12 Courses at the PG level during the period.
- ❖ The college is in the process of getting sanction for starting of PG courses in five subjects and NSS at UG level.
- ❖ Syllabus of the undergraduate and post graduate courses have been revised in 2014 by the affiliating university.
- ❖ Faculty members have contributed to the revision of curriculum as members of BOS of Vidyasagar University and also as participants of syllabus revision workshops. Workshop on new syllabus has also been organized by the college.

Table 1: A profile of growth during the Post-accreditation period with regard to Criteria I is reflected in the following table.

| Sl. No. | Sub-Sector | March, 2011 | January, 2016 |
|---------|---------------------------------|--------------------|--------------------|
| 1 | College Teaching Dept. | 21 (UG) 01 (PG) | 22 (UG) 01 (PG) |
| 2 | Certificate courses | 03 | 05 |
| 3 | ICT enable courses | 12 | 20 |
| 4 | No. of PG students | 40 | 48 |
| 5 | No. of UG students | 2395 | 3444 (2015-16) |
| 6 | DDE courses | 15 | 26 |
| 7 | Job oriented courses/programmes | 03 | 08 |

Value added courses introduced so far are the following - Courses in Computer Application and Financial Accounting, Computer Application and Information Technology, Communicative English and Soft Skill, Certificate courses in Art and Craft and Dance for developing job acquiring skills and/or for entrepreneurship development are conducted by Career Advancement Centre-The training cell of the college.

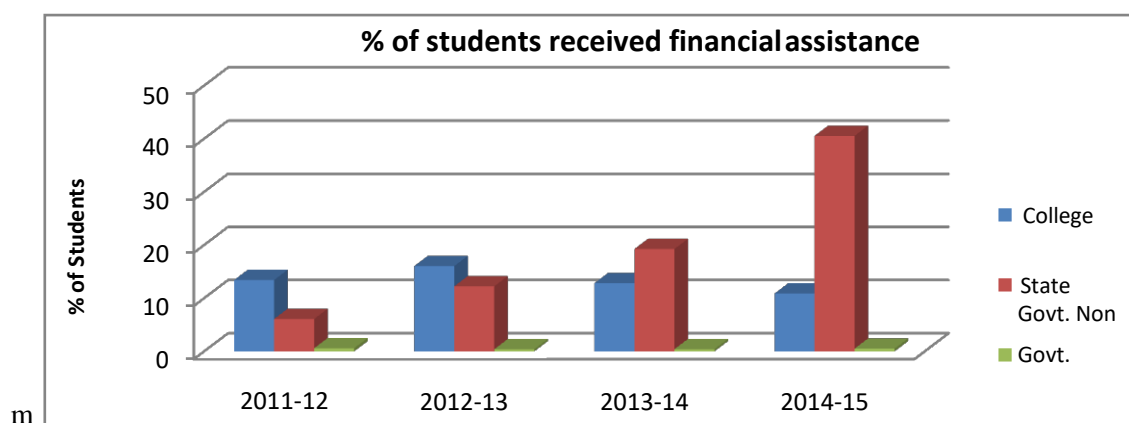
Smart classes, upgraded laboratories and application of ICT have been major areas of advancement in the college over the period of 2011-2016. So, the college has attempted to cope with the demands of the new curricula firstly through technological up-gradation and secondly through the application of it in teaching method.



Graph 1: Student Diversity

Criterion – II: Teaching and Learning process

- ❖ Online Admission process has been initiated. The process is cent percent transparent and is on the basis of merit. Merit lists are displayed publicly on the notice board and in the website showing the position of every applicant and maintaining and ensuring the reservation quota for all sections of the society.
- ❖ Help Desk including a computer centre is maintained for the students to assist them during online admission process.
- ❖ Apart from the lecture method, many other methods are used to enrich the teaching learning process. Emphasis has been given to the use of ICT and modern tools in teaching. Seventeen smart classes have been set up. Number of LCD projectors has increased from just two to twenty four.
- ❖ Up-gradation of all science laboratories with procurement of equipments have been done from CPE, DST-FIST, BSR, DBT STAR and RUSA funds.
- ❖ Field trips, excursions and student projects have been conducted on a regular basis in the last five years
- ❖ During the last five years the feedback mechanism has been strengthened by incorporating analysis of feedback by professionals.
- ❖ Biometric system of attendance resulting in a sustainable development in academic atmosphere has been introduced.
- ❖ The Institution has endeavoured to make the teaching-learning process learner-centric and individualized in order to identify and cater to the needs of the slow and advanced learners.
- ❖ Special classes are organised for slow learners and advanced learners are suitably inspired in order to enhance their competitive spirit and performance in academics.
- ❖ Financially deprived students are provided scholarships.



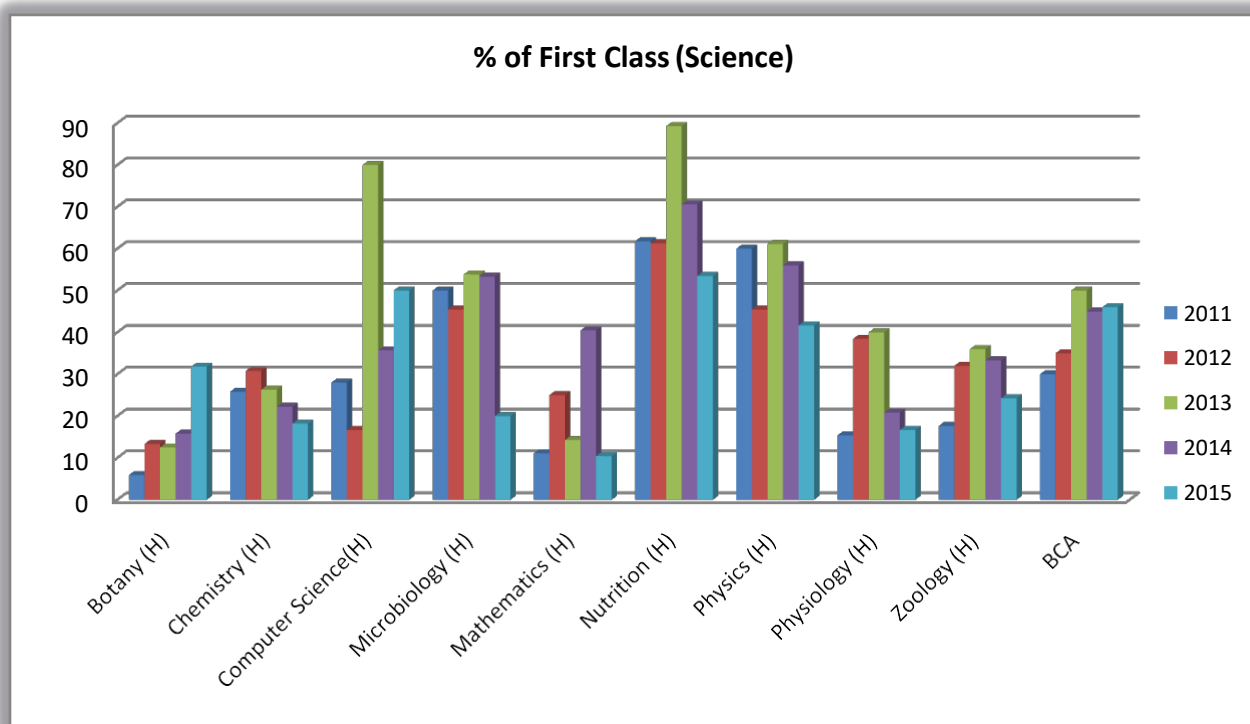
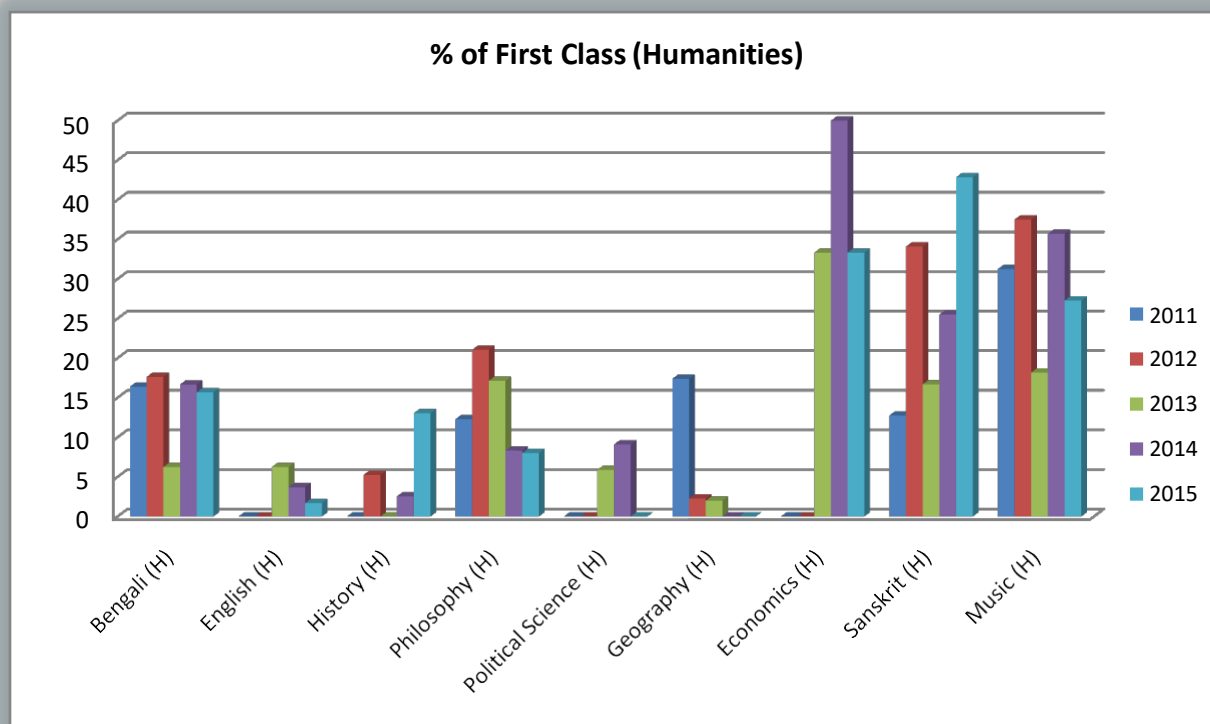
Graph 2: % of students received financial assistance

- ❖ The Psychological Counselling Cell extends psychological support while Career Counselling Cell has been guiding the learners to opt for appropriate subjects. It also creates awareness about higher studies and future professions.
- ❖ Uniform Academic Calendar provided by the university is strictly followed and Academic Sub-Committee monitors that the calendar is strictly adhered to.

Table 2: A profile of growth during the Post-accreditation period with regard to Criteria II is reflected in the following table.

| Sl. No. | Sub-Sector | March, 2011 | January, 2016 |
|---------|---------------------------|-------------|---------------|
| 1. | No. of Teaching staff | 45 | 84 |
| 2. | No. of non-teaching staff | 37 | 43 |
| 3. | Number of Smart classes | 0 | 17 |
| 4. | Number of Laboratories | 24 | 33 |
| 5. | Language Laboratory | 0 | 01 |
| 6. | Museum | 03 | 04 |
| 7. | Mathematical Gallery | 0 | 01 |

- ❖ All the departments have sufficient number of PCs with access to the internet. Entire campus is under Wi-Fi. Number of computers has increased from 103 to 221 in the last five years.
- ❖ The teachers avail opportunities of career development like research support, study leave (with full pay) refresher/orientation courses, deputation to National/ International Seminars/Workshops/Conferences. The College management always helps/promotes such programmes.
- ❖ Continuous assessment with weightage of 10% has been introduced by Vidyasagar University and is being strictly followed under the monitoring of Academic Committee.



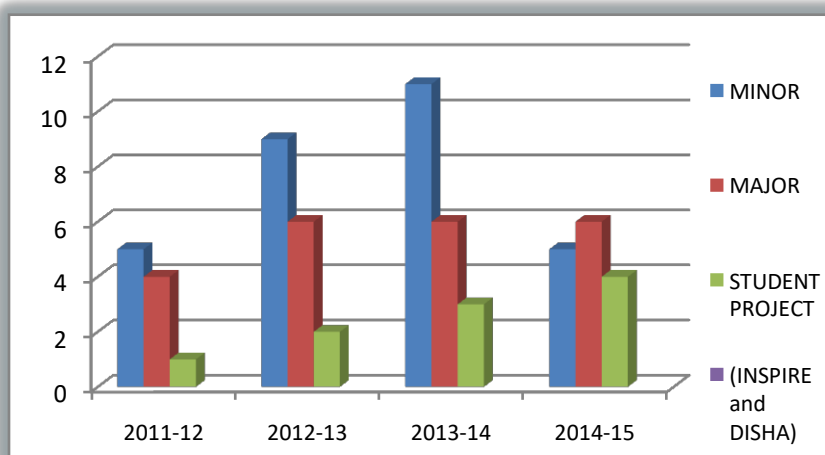
Graph 3 and 4: First class obtained by our students in the last five years

Criterion – III: Research, Consultancy and Extension-

□ During 2011-2016 the college has undertaken 06 major research projects amounting to Rs. 45,35,735/-, 15 minor research projects with an outlay of Rs. 32,36,300/- and 05 student research projects amounting to Rs. 58,28,000/-.

Table 3: Research Projects and Paper published

| Major Research project | Minor Research project | Student project |
|---------------------------|--|---------------------------------|
| 05-UGC (Major) 01-DRDO | 14 (UGC-Minor) 01 (WBBB-Govt. of W.B) | DST INSPIRE -04 DST DISHA-01 |



Graph 5: Major, Minor and Student research projects during the period of 2011-16

- Eleven Project fellows are currently working in the institute.
- Ph.D. scholars- 20 Ph.D. scholars are currently persuing research work and 08 heve completed their Ph.D. in the last 5 years.

Table 4: Status of Ph.D. work in the institution

| Faculty | Awarded | Submitted | Ongoing |
|--------------------------------------|---------|-----------|---------|
| Dr. Jayasree Laha, Principal | 01 | 01 | - |
| Dr. Dilip K. Nandi | 03 | - | 07 |
| Dr. Partha Pratim Chakraborty | 02 | 02 | 02 |
| Dr. Biswajit Mondal | 01 | - | - |
| Dr. Sukumar Mondal | 01 | - | 01 |
| Dr. Rupa Dasgupta | - | - | 01 |
| Dr. Dulal Ch. Das | - | - | 04 |
| Dr. Tanusree Tulsian | - | - | 01 |
| Dr. Anita Saha | - | - | 02 |
| Dr. Sujoy K. Maity | - | - | 02 |

❖ No. of Research papers –

Table 5: Status of Research publications in the institution

| | International | National | Proceedings | Total publications |
|--------------------------|---------------|----------|-------------|--------------------|
| Faculty members | 180 | 186 | 22 | 388 |
| Research Scholars | 57 | 12 | 01 | 70 |

□ The College also organises seminars and workshops on diverse topics with focus on capacity building and promoting research culture among the staff and students. As part of the postgraduate curriculum and in some of the UG departments, the students present research papers and also submit duly supervised dissertations.

□ College has extended its consultancy works to a number of organisations.

□ Online Research journal, one in science and one in humanities have been initiated.

□ Extension activities / outreach programs are carried out through some faculties like Botany, Nutrition, Zoology, Physiology, Chemistry, English, History and Mathematics, the extension centres viz, Career Advancement Centre, NSOU, NSS and NCC.

□ **Collaboration made with National/International Institutes for Research -**

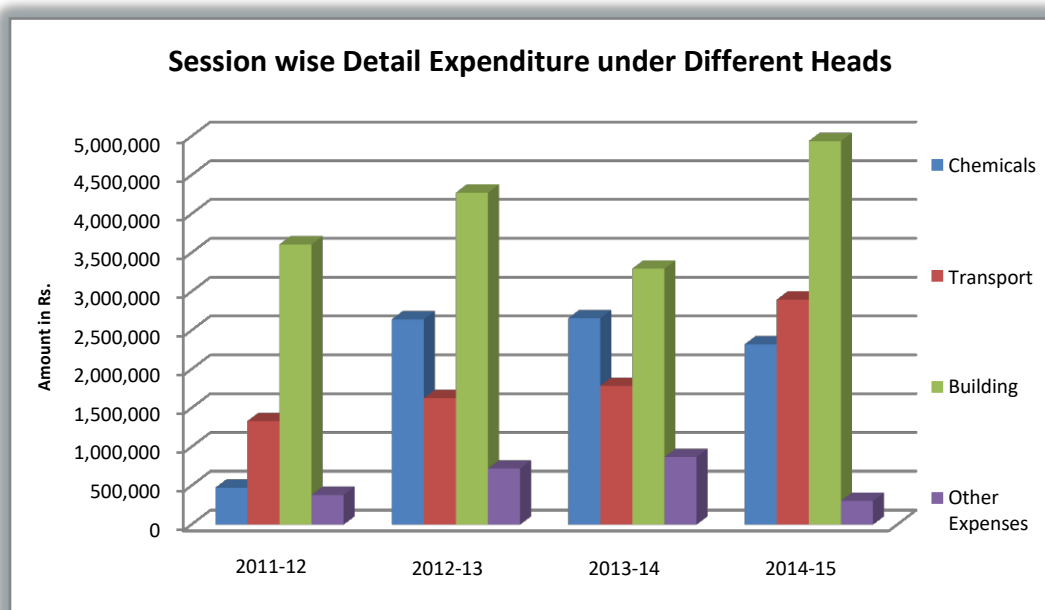
Collaboration with several universities like Vidyasagar University, Kalyani University, Viswabharati University, Jadavpur University in the field of research is done. We maintain research collaboration with Paschim Banga Itihas Parishad, Indian Council for Historical Research, Institute of Bangladesh Studies, Rajsahi, West Bengal Political Science Association and Jadavpur association of International Relations.

Table 6: A profile of growth during the Post-accreditation period with regard to Criteria III is reflected in the following table.

| Sl. No. | Sub-Sector | March, 2011 | January, 2016 |
|---------|---|-------------|---|
| 1 | Ongoing projects | 02 major | 06 major 13 minor DST inspire:04 DISHA SORF:01 |
| 2 | Project fellows | Nil | 9 |
| 3 | Ph.D. scholars | 02 | 32 |
| 4 | Collaboration leading to Ph.D. | 06 | 11 |
| 5 | Recognition/reward | 03 | 05 |
| 6 | Research papers published in national and international journal | 132 | Faculty-388 Research scholar- 70 |

Criterion – IV: Infrastructure and learning Resource:

- Built up area has considerably increased due to construction of additional Infrastructure viz, first and second floor (ongoing) of Nutrition Building (Grant from Govt. of W.B) and first and second floor of Central Library (UGC grant) and Construction of one new non teaching quarter (Grant from Govt. of W.B). Extension and up-gradation of Departments of Zoology, Botany, Physiology, Microbiology, Chemistry, Physics, Mathematics, Geography laboratories (BSR fund), Constructions of one Cycle Stand in the main campus and one each adjacent to the five hostels (College fund), Animal House (College fund), Auditorium and Gymnasium (UGC) have been undertaken. Construction of boundary wall around the hostels (College fund), 100 seated Women's Hostel (UGC) have been completed.
- Renovation of Sarada Bhaban (hostel) has been done.
- Modernization of all science laboratories has been made by procuring equipments from XIth plan-UGC, UGC-CPE, BSR, DST-FIST and DBT-STAR.



Graph 6: Amount Spent on Maintenance.

- All pipelines in the hostels have been replaced by PVC pipes.
- A play ground with all outdoor games facilities and stadium has been developed.
- The college as a whole has more than 221 computers with application softwares like Ms-Office and statistical packages including latest versions of SPSS, Matlab and Origin etc.
- Seventeen smart classrooms, Thirty three laboratories, twenty four LCD projectors are available in the college.

Table 7: A profile of growth during the Post-accreditation period with regard to Criteria IV is reflected in the following table.

| Sl. No. | Sub-Sector | March, 2011 | January, 2016 |
|---------|------------------------|-------------------|---------------------|
| 1. | Built-up area | 28517.13 Sq. mtrs | 30,619.11 Sq. mtrs. |
| 2. | Smart Classes | 0 | 17 |
| 3. | Number of laboratories | 24 | 32 |
| 4. | Language Laboratory | 0 | 01 |

| Sl. No. | Sub-Sector | March, 2011 | January, 2016 |
|---------|--------------------------|---------------|---------------|
| 5. | Number of computers | 103 | 221 |
| 6. | Number of LCD projectors | 2 | 24 |
| 7. | Wi- Fi | Not available | Available |
| 8. | E-learning laboratory | Nil | 01 |

- Regular training facilities are provided by the computer centre for the staff members and students at nominal cost.
- Medical unit has been strengthened by enhancing and ensuring some facilities such as regular health check up programme and issuing health card to the students. A gynecologist visits the hostels on a weekly basis and a full time Homeopathic doctor has been engaged for the hostel boarders.
- Students Hostels are provided with all sorts of sports and recreational facilities-indoor games, outdoor sports facility, magazine, dailies, TV, internet facility and library access.

Criterion – V: Student support and progression-

Student intake capacity in the UG and PG courses has been increased from 2395 (2010-11) to 3444 (2015-16), more than 70% of the students hail from rural areas and nearly 45% of the students come from weaker sections of the society.

- No. of students qualifying in NET/SET/GATE are increasing. At least 35% of the students get absorbed through state school service commission.
- Financial Assistance is provided to poor meritorious students and/or SC/ST and students belonging to backward Community in the form of full free/half free scholarships and exemption of tuition or hostel fees. Scholarship help desk has been established for assisting students to obtain scholarships.

Table 8: Percentage of total students obtaining scholarships

| Year | No. of student benefitted | Total number of students | % of total students |
|---------|---------------------------|--------------------------|---------------------|
| 2011-12 | 475 | 2362 | 20.11 |
| 2012-13 | 717 | 2500 | 28.68 |
| 2013-14 | 788 | 2425 | 32.49 |
| 2014-15 | 1518 | 2923 | 51.86 |

Table 9: A profile of growth during the Post-accreditation period with regard to Criteria V is reflected in the following table.

| Sl. No. | Sub-Sector | March, 2011 | January, 2016 |
|---------|--|-------------------------------|--|
| 1. | Indoor sports facility | 0 | 01 |
| 2. | Outdoor sports facility | 0 | 01 |
| 3. | Sports field | 06 | 06 |
| 4. | Financial assistance to no. of students of the college | 366 Students Rs 1,69,000/- | 3498 Students (2011-15) Rs 3,15,00,385/- |
| 5. | Counselling, Training and Placement cell | 1 | 1 |

➤ For enhancing student's participation in sports and games, sport events are organized annually and cultural competition/programmes are organized throughout the year. Students are encouraged by offering honors/ medals.

□ For placement and counselling of students, placement and counseling cell is functioning effectively. Campus placements have been done through the external agencies like Wipro, TCS, Thermax, Tech Mahindra and Concentrix, India, Moven Infotech which has created an enthusiastic wave within the student community.

□ Alumni Association has been contributing towards the development of the college. Departmental alumni meets have been organized from the 2015-16 session.

□ Prevention of Sexual Harassment cell has been constituted.

□ Grievance Redressal cell functions in an effective manner.

□ Anti Ragging Cell and Squad functions as per UGC norms.

□ In addition to normal teaching, the students are motivated and provided preparatory courses for competitive examinations like NET, GATE, SET, CAT, Bank PO, Civil Service, School Service and others. A good number of students qualify in such examinations. The progression from UG to PG and further higher education is remarkable.

Criterion – VI: Governance and Leadership-

❖ The mission of the college is reflected through the prospectus.

❖ The objective of the college is to provide value added system of education and development of skills, ensuring equity and inclusiveness for the socio-economically under privileged sections of the society

❖ All the statutory representative bodies/committees function democratically and meet at regular intervals. Committees are an integral part of policy formulation and implementation.

❖ Fees revisions have been made nominally within this period keeping in mind the socio-economic background of the majority of students.

❖ Entire funding of UGC-XIth plan and funding from the Department of Higher Education, Government of West Bengal have been utilized optimally within the stipulated period. New sources of resource generation has been obtained-Funding from DST, DBT and funding from Paschimanchal Unayan Parishad, State Government has also been generated.

❖ Regular and up to date auditing and internal audit system exists.

❖ Ratio of teachers to non-teaching staff is 3:1

❖ Teachers and Non Teaching staff are encouraged by the management to attend workshops/seminars for skill enhancement.

Criterion – VII: Innovations and Best Practices.

Best Practice I : Environmental consciousness: Solar Power Generation, installing of solar lights, use of incinerator in waste disposal, green generators, replacement of fluorescent lights with LED bulbs and organic farming with vermicompost.

Best Practice II: Creating a unique learning environment: Combining a beautiful natural environment with a unique learning ambience where relationship between the teacher and taught is given utmost importance.

Table 10: A profile of growth during the Post-accreditation period with regard to Criteria VII is reflected in the following table.

| Sl. No. | Sub-Sector | March, 2011 | January, 2016 |
|-----------|------------------------|-------------|--|
| 1 | Solar light | 0 | 07 |
| 2. | Solar power generation | 0 | 06 |
| 3. | Inceranator | 0 | 05 |
| 4. | Organic farming | Absent. | Done. Four hundred fifty crop plants have been planted. |
| 5. | Rainwater harvesting | Absent. | Done |

SWOC Analysis of the Institution

| | |
|---------------|---|
| Strengths | <ul style="list-style-type: none"> • Goodwill of the institution and its rich heritage. • Lively atmosphere attracts students from all over the district and adjacent area. • The college attracts meritorious students from all over the district. • Consistent excellent performance of our students in University Examination • Competent and reputed faculty. • ICT enabled classrooms. • Well equipped laboratories. • Computerised office. • Sufficient number of books and journals in the Central library. • Seminar Library in each department. • Research activities have gathered momentum with increase in number of research projects, fellows and publications during last five years. • Consistently amongst one of the best women's college in West Bengal. |
| Opportunities | <ul style="list-style-type: none"> • Achieving Autonomous status. • More diverse courses to offer. To open more P.G courses. • New skill-development and vocational courses. • More funds for research projects. • More collaboration: Industry-academia, National and international level institutions and organisations. • Intensify outreach programmes. |
| Weaknesses | <ul style="list-style-type: none"> • Lack of sufficient number of faculty and administrative staff. • In some subjects, it is felt that the curriculum might not be in sync with contemporary needs or global standards due to constraints of University-prescribed curriculum. • Classroom crunch during peak period. • Not all classrooms are ICT- enabled • Need to improve basic amenities such as sanitation. • Only a few departments have some collaboration. |
| Challenges | <ul style="list-style-type: none"> • Financial self-sufficiency • To increase number of classrooms and laboratories. • Adjusting to rapidly-changing socio-economic-political and technological environment • Technical constraints on employing new teaching and non-teaching staff • High cost of maintenance of infrastructure • Unavailability of skilled labour. |

C. INSTITUTIONAL DATA

SECTION C: INSTITUTIONAL DATA

1. Profile of the Affiliated / Constituent College

1. Name and Address of the College:

| | | |
|-------------------------|---|---------------------------|
| Name : | RAJA NARENDRA LAL KHAN WOMEN'S COLLEGE | |
| Address : | GOPE PALACE | |
| City : MIDNAPORE | Pin :721102 | State :WEST BENGAL |
| Website : | www.rnlkwc.org | |

2. For communication :

| Designation | Name | Telephone with STD code | Mobile | Fax | Email |
|--|--------------------------|--------------------------------|---------------|--------------|---------------------------|
| Principal | DR. JAYASREE LAHA | O:03222275426 R: | 9434029182 | 03222-297865 | rnkcollege@gmail.com |
| Vice Principal | NIL | O: ---- R: | ---- | ----- | ----- |
| Steering Committee Co-ordinator | DR. RUPA DASGUPTA | O: 03222275426 R: | 9733846160 | 03222-297865 | rupadasgupta123@gmail.com |

3. Status of the Institution:

Affiliated College

Constituent College

Any other(specify)

| |
|------|
| YES |
| ---- |
| ---- |

4. Type of Institution:

a. By Gender

i. For Men

ii. For Women

iii. Co-education

| |
|----|
| -- |
| √ |
| -- |

b. By Shift

i. Regular

ii. Day

iii. Evening

| |
|----|
| -- |
| √ |
| -- |

5. It is a recognized minority Institution?

Yes

--

No

√

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

N.A

6. Sources of funding:

Government

Grant-in-aid

YES

Self-financing

Any other

7. a. Date of establishment of the college: 22/08/1957 (dd/mm/yyyy)

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

VIDYASAGAR UNIVERSITY, MIDNAPORE

c. Details of UGC recognition:

| Under Section | Date, Month & Year (dd-mm-yyyy) | Remarks(If any) |
|---------------|------------------------------------|-----------------|
| i. 2 (f) | 31.03.1995 | Annexure 1 |
| ii. 12 (B) | 01.03.1990 | Annexure 2 |

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

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

| Under Section/Clause | Recognition/Approval details Institution/Department 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: 30-09-2011 (dd/mm/yyyy)

- b. for its performance by any other governmental agency?

Yes ☒

No ☐

If yes, Name of the agency **DST, DBT** and

Date of recognition: DST- 01/11/2010 and DBT-08/08/2014 (dd/mm/yyyy)

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

| | |
|---------------------------|------------------|
| Location * | Rural |
| Campus area in sq. mts. | 188524.5 |
| Built up area in sq. mts. | 30,619.11 |

(* 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 ✓
- Sports facilities

* play ground ✓

* swimming pool

* gymnasium ✓

- Hostel

* Boys' hostel

i. Number of hostels - N.A.

ii. Number of inmates - N.A.

* Facilities (mention available facilities)-

* Girls' hostel

- i. Number of hostels- 05
- ii. Number of inmates- 417
- iii. Facilities (mention available facilities)-Medical unit, water purifiers, water cooler, recreational facility, gymnasium, green generators, indoor and outdoor sports facilities, cheap stores, canteen, computers with wi-Fi, e learning laboratory, language laboratory, museum on art and culture, Historical museum, Central library and departmental library facilities, own transport, training, Counseling cum placement cell, Day care centre.

* Working women's hostel

- i. Number of inmates-N.A.
- ii. Facilities (mention available facilities)-N.A.

- Residential facilities for teaching and non-teaching staff (give numbers available — cadre wise) Teaching Staff.-08 ; Non Teaching Staff.-02
- Cafeteria—YES
- Health centre—YES

✓ First aid, Inpatient, Outpatient, Emergency care facility, Ambulance.

Health centre staff—

Qualified doctor Full time Part-time ☒

Qualified Nurse Full time Part-time

- Facilities like banking, post office, book shops
- Transport facilities to cater to the needs of students and staff ☒
- Animal house ☒
- Biological waste disposal ☒
- Generator or other facility for management/regulation of electricity and voltage ☒
- Solid waste management facility ✓
- Waste water management
- Water harvesting ✓

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

| Sl. No. | Programme Level | Name of the Programme/ Course | Duration | Entry Qualification | Medium of instruction | Sanctioned/ approved Student strength | No. of students admitted |
|---------|---|---|----------|---------------------|-----------------------|---------------------------------------|--------------------------|
| 1. | Under-Graduate | B.A B.Sc B.C.A | 3 Years | H.S.and Equivalent | ENG./ BENG | 1486 | 1186 |
| 2. | Post-Graduate | M.Sc Zoology | 2 Years | B.Sc.(H) | ENG./ BENG. | 26 | 26 |
| | Integrated Programmes PG | N.A | - | - | - | - | - |
| | Ph.D. | N.A | - | - | - | - | - |
| | M.Phil. | N.A | - | - | - | - | - |
| | Ph.D | N.A | - | - | - | - | - |
| | Certificate Courses | Computer, Spoken Eng., Dance, Art and Craft | 6 months | - | ENG./ BENG. | N.A | 402 |
| | UG Diploma | N.A | - | - | - | - | - |
| | PG Diploma | N.A | - | - | - | - | - |
| | Any Other (specify and provide details) | N.A | - | - | - | - | - |

13. Does the college offer self-financed Programmes?

Yes ☒ No ☐

If yes, how many?

01 (B.C.A.)

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

| | | | | | |
|-----|-------------------------------------|----|--|--------|----|
| Yes | <input checked="" type="checkbox"/> | No | | Number | 03 |
|-----|-------------------------------------|----|--|--------|----|

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

| Faculty | Departments (eg. Physics, Botany, History etc.) | UG | PG | Research |
|--------------|--|-------|---------|----------|
| Science | Physics, Chemistry, Mathematics, Zoology Botany, Physiology, Nutrition, Microbiology, Computer Science. | √ | Zoology | ----- |
| Arts | Bengali, English, Sanskrit, Hindi, History, Political Science, Philosophy, Geography, Economics, Human Rights, Physical Education, Music. | √ | ----- | ----- |
| Commerce | Nil | ----- | ----- | ----- |
| Any Other | B.C.A. | √ | ----- | |

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

| | |
|---------------------|---------------------------|
| a. annual system | 12 (B.A), 9 (B.Sc.) |
| b. semester system | 1(B . C . A) , 1 (P G) |
| c. trimester system | ----- |

17. Number of Programmes with

| | |
|---|-----|
| a. Choice Based Credit System | NIL |
| b. Inter/Multidisciplinary Approach | 06 |
| c. Any other (specify and provide details) | NIL |

18. Does the college offer UG and/or PG programmes in Teacher Education?

Yes ☐ No ☒

If yes,

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

- b. NCTE recognition details (if applicable)

Notification No.: NA

..... Date:

..... (dd/mm/yyyy)

Validity:.....

- 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) **20.07.2005** (dd/mm/yyyy) and number of batches that completed the programme

- b. NCTE recognition details (if applicable)

Notification No.:

.....N.A..... Date:

..... (dd/mm/yyyy)

Validity:.....

- 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

| Positions | Teaching faculty | | | | | | Non teaching staff | | Technical staff | |
|--|------------------|-----|---------------------|-----|-------------------------|-------------------------|-------------------------|-------------------------|-----------------|-----|
| | Professor | | Associate Professor | | Assistant Professor | | | | | |
| | M | F | M | F | M | F | M | F | M | F |
| | NIL | | NIL | | 58+1 (Principal) | | 45 | | NIL | |
| Sanctioned by the UGC/ University/ State Government | | | | | | | | | | |
| Recruited | - | - | 6 | 12 | 12 | 9 | 29 | 3 | | |
| Yet to recruit | - | | - | | 20 | | 13 | | - | |
| Sanctioned by the Management/ society or other authorized bodies Recruited | --- | --- | --- | --- | 18 PTT & CWTT | 29 PTT & CWTT | 08 Casual NTS | 03 Casual NTS | NIL | NIL |
| Yet to recruit | - | - | - | - | - | - | - | - | - | - |

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. | ---- | ---- | ---- | ---- | 01 | ---- | 01 |
| Ph.D. | ---- | ---- | 06 | 07 | 06 | 05 | 24 |
| M.Phil. | ---- | ---- | ---- | 04 | 02 | 03 | 09 |
| PG | ---- | ---- | --- | 01 | 03 | 01 | 05 |
| Temporary teachers | | | | | | | |
| Ph.D. | ---- | ---- | ---- | ---- | ---- | 01 | 01 |
| M.Phil. | ---- | ---- | ---- | ---- | 01 | ---- | 01 |
| PG | ---- | ---- | ---- | ---- | 21 | 21 | 42 |
| Part-time teachers & CWTs | | | | | | | |
| Ph.D. | ----- | ----- | ----- | ----- | 04 | 03 | 07 |
| M.Phil. | ----- | ----- | ----- | ----- | 08 | 02 | 10 |
| PG | ----- | ----- | ----- | ----- | 06 | 24 | 30 |

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

44

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

| Categories | Year 1 2012-13 | | Year 2 2013-14 | | Year 3 2014-2015 | | Year 4 2015-2016 | |
|---------------------------------------|-------------------|------------|-------------------|------------|---------------------|------------|---------------------|-------------|
| | Male | Female | Male | Female | Male | Female | Male | Female |
| SC | ---- | 270 | --- | 357 | ---- | 392 | ----- | 429 |
| ST | ---- | 121 | ---- | 161 | ---- | 174 | ---- | 174 |
| OBC | ---- | 168 | ---- | 252 | ---- | 278 | ---- | 320 |
| General | ----- | 1836 | ---- | 1570 | ---- | 1901 | ---- | 2300 |
| Others (PH & Minority) | ---- | 105 | ---- | 145 | ---- | 178 | ---- | 221 |

24. Details on students enrollment in the college during the current academic year(2015-16)

| Type of students | UG | PG | M. Phil. | Ph.D. | Total |
|--|-------------|-----------|------------|------------|-------------|
| Students from the same state where the college is located | 3389 | 48 | NIL | NIL | 3437 |
| Students from other states of India | 06 | NIL | NIL | NIL | 06 |
| NRI students | 01 | NIL | NIL | NIL | 01 |
| Foreign students | NIL | NIL | NIL | NIL | NIL |
| Total | 3396 | 48 | NIL | NIL | 3444 |

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

UG

1.98

PG

NIL

26. Unit Cost of Education

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

(a) including the salary component

Rs. 19320.70

(b) excluding the salary component

Rs. 6567.80

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

☐

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

NETAJI SUBHAS OPEN UNIVERSITY

c) Number of programmes offered

UG & PG

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

Yes

☒

No

☐

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

1:18

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: 16/09/2004 (dd/mm/yyyy) Accreditation Outcome/Result- **A Grade**

Cycle 2: 27/03/2011 (dd/mm/yyyy) Accreditation Outcome/Result- **A Grade**

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

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

Please see Annexures 3 and 4.

31. Number of working days during the last academic year. 2014-15

| |
|-----|
| 259 |
|-----|

32. Number of teaching days during the last academic year 2014-15

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

| |
|-----|
| 220 |
|-----|

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

03/03/2005 (dd/mm/yyyy)

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

AQAR (i) **20/09/2012** (dd/mm/yyyy)

AQAR (ii) **29/09/2013** (dd/mm/yyyy)

AQAR (iii) **02/12/2014** (dd/mm/yyyy)

AQAR (iv) **12/09/2015** (dd/mm/yyyy)

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

NIL

D.

**CRITERION-WISE
ANALYTICAL REPORT**

CRITERION- I :

CURRICULAR ASPECTS

CRITERION I: CURRICULAR ASPECTS**Curriculum Planning and Implementation**

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

The vision of the College is to empower women by enhancing their inner potentialities and inculcating in them the idea of Complete Womanhood while imparting self-respect and confidence for upholding the rights and privileges of women in the society.

The motto of this institution is to substantiate Swami Vivekananda's ideal –Education is the unfoldment of Divinity in Man

Our institutional mission is to enkindle a spirit of nationalism in the heart of each of its students and staff so that they stand out in society as torchbearers of the true human spirit and are hailed as proud and worthy Indians. The objective is to produce intellectually developed, morally upright, socially conscious and spiritually oriented young women ready to serve society and the nation.

The students of this College are equipped to meet the challenges of a fast changing world through a well-balanced blend of traditional and innovative academic programmes.

All the stakeholders are made aware of the vision, mission and objective through the College Prospectus, College Website, Classroom Teaching, Interactive Sessions ; extra-academic programmes like the College Foundation Day function, Alumni 'get-together' and the Annual Sports Meet. In addition, the college also observes different important days like Swami Vivekananda's Birth Day, Netaji Subhas Chandra Boses's birth Day, Republic Day, Kabiguru Rabindranath Thakur's birth Day, Independence Day etc. with due respect and cordial effort. The contributions of these great men are conveyed to motivate them and to inculcate in them the spirit of nationalism and the ideal of good citizenship. Through these programmes they are also made familiar to the bright tradition and rich heritage of the college to make them proud and loyal to the institute that, in turn, orient and motivates them to fulfill the mission of this college.

The Principal of the College addresses the college freshers for a general orientation where the vision and mission of the College is conveyed by highlighting the academic as well as extracurricular aspect.

The Principal as well as the departmental faculties also periodically meet the students to encourage them to strive not only for academic excellence but also for all round development by making them aware that they constitute a part of the rich heritage borne by this College. Departmental meetings of the staff members are organised along with the students where the students are repeatedly reminded of the vision, mission and rich heritage of the college.

The Students Union of the College organises a programme to welcome the freshers wherein the newcomers are made aware about the mission and vision of the College.

Through our well-planned and periodic parent-teacher meet, the parents and guardians develop a sense of belonging towards the Institution. It clearly delineates the mission and goal of the College and generates an awareness of its prestigious heritage. Posters and hoardings stating the mission and vision of the College are displayed in the College campus.

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).

The institution implements the curricula designed by the Affiliating University. But to effectively implement the curriculum the teachers and management devise an action plan in the beginning of the session through the Academic Sub-committee.

The Academic Sub-committee prepares an academic plan for the ensuing session, keeping in mind the academic calendar issued by the parent University. Teaching Departments are advised to prepare lesson plans by unitising the syllabus. The plan includes not only the syllabus to be covered but also the time for holding internal assessment, seminars by visiting teachers, student seminars, and remedial classes especially for the weak students and tutorial classes for the slow learners.

Professionally competent teachers, including guest teachers, impart quality teaching to the students. Progress is regularly monitored by standard in-house assessment procedures. Excursions/field trips are arranged on a regular basis. Participation of students in science fairs and educational exhibitions are encouraged. Seminars and workshops related to the curriculum are arranged for the benefit of students and teachers alike. Links with academia and industry are forged through personal initiative of the teachers and the placement cell of the college. Aspects of ecology and the environment are imbibed by the students during their course work and their projects. Facilities like free internet access even on holidays and Sundays by the Central Computer Centre and computers in different departments are provided to students who use them to hone their computational skills to meet their academic queries. The central library and departmental libraries are open to students for developing their knowledge skills. Teachers encourage and accompany the students to the central library and e-learning centre to augment classroom teaching. Counselling students is an integral part of the duties of a teacher in our college. Apart from that, there is a student counselling centre where professional counselling is provided to students who need it to overcome obstacles and challenges in their lives.

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

The University prescribes the academic calendar at the beginning of the session and disseminates information regarding changes in curricula through periodic circulars. It invites teachers of affiliated colleges to participate in workshops on framing new syllabi. The UG syllabi in some subjects have undergone many modifications regarding prescribed texts and pattern of questions based on the suggestions made in these workshops.

The college provides the teachers with a disciplined and well-organized work environment. Teachers are encouraged to avail of faculty improvement programmes (orientation programmes, refresher courses, leave for research work, leave under FDP for PhD work, participation in seminar/workshops/conferences etc). Institutional support is provided to teachers who are engaged in minor and major research projects, funded by UGC and DST or other funding agencies. For improving effective teaching practices, ICT support is given by the institution to the teaching departments. All teaching departments are provided with desktop computers with internet connectivity. Smart Classrooms, LCD monitors and white boards are provided to departments for optimal uses of modern technology for effective class room teaching. Syllabus related seminars and workshops sponsored by different funding agencies like UGC, CPE and State Government are organised by the departments regularly for effective implementation of the curriculum. The college provides regular financial support for upgrading the central library and seminar libraries by acquiring new books, journal and reference materials

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.

For UG courses the Vidyasagar University frames the syllabi for UG courses and the curricula, and the college has to follow it in its entirety. However the Affiliating University obtains inputs from teachers of colleges for devising and revising curricula keeping in view of the latest trends. Teachers of this college participate robustly in this activity. A number of senior teachers of this college are members of the Board of Studies of the university and they contribute as members of the curriculum revision team in their respective subject. Teachers also take part in curriculum related workshops organised by the university.

At the institutional level periodic review through the Academic Subcommittee is made for effective curriculum delivery and transaction of the curriculum provided by the affiliating University.

Continuous evaluation is carried out at a regular basis by means of classroom interaction, tutorial classes and audio-visual presentation by the students on different topics included in the curriculum. Participation of students in various project works assigned to them related to different issues included in the curriculum also helps in analysing and ensuring the effective delivery and transaction of the objectives of the curriculum.

How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalisation of the curriculum?

The teachers of the college are encouraged to maintain constant link with the Board of studies at the University. At Institutional level teachers are urged to take membership of research bodies of their respective subject and are encouraged to visit reputed libraries for effective operationalisation of the curriculum. Teachers and students participate in seminars and workshops held by Vidyasagar University to implement and substantiate the syllabus.

Table1.1 Role played by the institution in the revision of the syllabus

| Year | No. of departments who attained the Workshop on New Syllabus/Curriculum | No. of departments which participated as BOS member | No. of department which organised Workshop on New Syllabus/Curriculum |
|------|---|---|---|
| 2014 | 22 (100%) | 06 | 01 |

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.)

Members of the teaching staff, numbering about ten, are active as members of the various Boards of Study (in different disciplines) in the Affiliating University, and autonomous colleges. Their feedback forms an important component of improvement and innovation in the course content and its implementation by the university. Parents are encouraged to give their feedback about the curriculum through a given format every year before the parent meet. The feedback is discussed

in the meeting with parent of students. Student feedback is taken formally at the final year as by then students have their mature opinion about the implementation of the syllabus. The response of the parents and students on curricula is fed back to the appropriate bodies in the university through senior teachers of the college on the Board of Studies and those who are involved in workshops on syllabus revision. Some of the senior teachers serve as experts on curriculum design.

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

Yes. The college develops the curricula of Certificate Courses on i. Communicative English & Soft Skill ii. Computer Application and Information Technology iii. Computer Application and Financial Accounting iv. Dance v. Art and Craft. Extensive planning goes into framing up-to-date syllabi and curricula which meet the need of the Stake holders. Feedback from students, teachers, parents, other stakeholders, experts and well-wishers are obtained. A _need-assessment_ exercise with regard to students is taken up during student interactions and parent meet. The relevance of the course and its usefulness with respect to employability in different sectors are taken into account before finalizing the curriculum. Regular feedback from all quarters is obtained, recorded and kept for reference and future action.

Annexure 3: Curricula of certificate courses designed by the institution

The college has Training, Counselling cum Placement Cell which plays a crucial role in need based analysis of the courses and forms a committee for designing of syllabus and detail planning for execution of the course. Faculty members of Department of Computer Science and Mathematics are involved in designing the curriculum in Computer Application and Information Technology and faculty members of Department of BCA and Physics are involved in designing the course on Computer Application and financial Accounting. Course on Communicative English & Soft Skill is designed and developed by the faculty members of the Department of English. Teachers well qualified in Dance from different departments, faculty members of the Departments of Music, faculty members of different departments having requisite qualification and expertise in Dance and external experts are involved in the development of curriculum for the course on Dance.



(A)



(B)



(C)

Plates 1-3: Certificate courses designed by the college- (A) Computer course, (B) Art and Craft and (C) Spoken English

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

Periodic meeting of the Academic Sub-committee is held in the college to monitor the progress of the curriculum taught by departments. All Heads of Departments are members of the Academic Sub-committee.

Performances of the students in Internal Assessments are deliberated over by the Heads and Senior Faculty at the departmental level. Any serious anomalies are addressed in departmental meetings and contact levels are intensified at the class and tutorial levels to smoothen out the difficulties.

Performance at the level of the university examinations are discussed at the Academic Committee Meetings. Cases requiring considerations are deliberated upon and attempts are made to ascertain whether curricula was effectively implemented or whether strategies have to be revised, whether a particular student had reception problems or whether student-teacher contact level needed to be re-negotiated or infrastructural problems including manpower needs to be addressed. Implementation strategies are debated over in the Governing Body level if such a need arises.

Academic Flexibility

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

Certificate Courses on i. Communicative English & Soft Skills ii. Computer Application and Information Technology iii. Computer Application and Financial Accounting iv. Dance v. Art and craft have been designed with some specific goals and objectives. Courses on computers and Soft skill have been designed to increase the computational skill of the students to equip them with modern computer skills so that they can use it for academic and/or as a future career option in software or accounting. Soft skill, help the students to communicate more efficiently increasing their employability. Certificate courses in Dance and Art and Craft are designed keeping in consideration self employment and/or entrepreneurship development opportunities in the respective field.

(Please see Annexure 5 for details of the courses).

Does the institution offer programmes that facilitate twinning/ dual degree? If _yes', give details.

No.

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

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

The College being affiliated to the Vidyasagar University follows all the rules and regulations stipulated by it for the UG courses and hence there is little scope for flexibility. The PG course in Zoology has been made autonomous with effect from the session-2015-16 and enjoys academic flexibility. Options regarding subject combinations, offered by the university are offered to the students of this college as far as possible within the infrastructure of the college.

Courses offered in modular form: Courses offered under Netaji Subhas Open University are in modular form. There is very little scope to change the syllabus, generated by the parent

university. For better teaching, UG courses are divided in different modules by some departments during the formulation of lesson plan.

Choice Based Credit System not available.

Credit transfer and accumulation facility: There is no opportunity for credit transfer.

Lateral and vertical mobility within and across programmes and courses are not available.

Credit transfer and accumulation facility is not available under Vidyasagar University.

Enrichment courses- Communicative English & Soft Skills and courses on Computer Application are conducted along with preparatory courses for competitive examinations. Honing the skills and knowledge that the students acquire from their formal degree these courses greatly improve their employability potential as these courses are tailor-made keeping in view the skill gaps and needs of the industry and to increase the employability skill of the students. Preparatory courses on SSC, WBCS and NET are also conducted by the Training and Placement Cell beyond college hours and on holidays with the help of professional teachers.

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.

Partly Self-financed UG courses in Microbiology, Computer Application, Computer Science, Nutrition and Physical Education are offered by the College. These courses are only partly self-financed since the State Government provides financial support by paying the remuneration of the contractual whole time and Government approved part-time teachers.

Admission: Online, with criteria laid out by every department.

Curriculum: UG courses follow the University prescribed syllabi.

Fee Structure: The fee structure is determined by the college following certain norms laid out by the University and the State Government.

Teacher Qualification: As per UGC regulations as far as practicable.

Salary: As per State Government rules.

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.

Yes. Communicative English & Soft Skills, Courses on Computer Application, Art and Craft and a programme on entrepreneurship development in Ornamental Fishery are conducted. These courses are open to all students of the college. Hands on Computer- an introductory course has been made mandatory for all students of this college. Programme in Ornamental Fishery has beneficiaries which include rural women, NGO and our present and past students.

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?

No, there is no provision for such flexibility under the regulations of the Vidyasagar University.

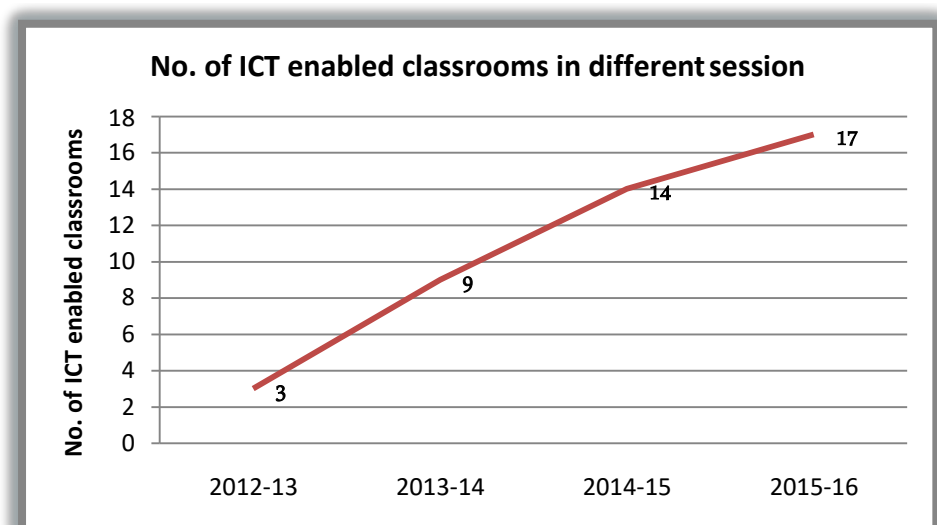
Curriculum Enrichment

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

The College being affiliated to the Vidyasagar University does not have the option of formulating its own curriculum. This happens only to a limited extent. Still, the courses offered have their relevance to the institutional goals and objectives. The college aims to inculcate the highest intellectual standards through rigorous academic commitment and discipline. Students are inspired to aspire for higher level of academic achievement by mastering their chosen subject. The institution strives towards overall development of students and quality enhancement of learners through various aspects of holistic personality development, orientation programs and life skill enrichment programs conducted during their period of studies that focuses on managerial skills, communication skills, leadership qualities, analytical skills, etiquettes, group discussion, global warming, awareness on environment through seminars, moral and ethical values, role and scope of women in uplifting the society. The College ensures that the University curriculum is followed in the best spirit. The College academic calendar is prepared every session with the active involvement of the College Examination Committee and Heads of the Departments. The Principal makes sure that the curriculum framed by the University is supplemented in such a way that it reflects the mission and vision of the Institution. Seminars are conducted by the departments to enhance classroom learning and to enlarge the range of their awareness, concerns and expertise. Regular feedback obtained from the stakeholders, with respect to the quality of the enrichment programmes is monitored and evaluated by the Academic Committee and IQAC and necessary remedial measures are incorporated accordingly. Equal Opportunity Centre organizes workshops to create an environment of barrier free education.

What are the efforts made by the institution to modify, enrich and organize the curriculum to explicitly reflect the experiences of the students and cater to needs of the dynamic employment market?

The College, being affiliated to the University, does not have the option of formulating its own curriculum. Nevertheless, a sincere effort is continuously made to modify and enrich the curriculum to suit the intellectual requirements of students and make them competitive in today's world through the involvement of faculty, department and other stakeholders. University level: Faculty Members who are on Board of Studies take initiative to modify, enrich and organize the curriculum. As per UGC guidelines, Environment Science and Human Rights Education has been introduced at undergraduate level. Thus, the institution is redesigning courses that are relevant to the regional and national needs. At Institution level: The college has taken measures to cater to the global market needs based on the true assessment of strength and services offered in the campus. To develop the required skills, brainstorming sessions are held for the faculty to design the tools in the areas of spoken English, use of computers and providing in-depth knowledge in the respective subjects. The college has designed certificate courses in Computers and Communicative English and soft-skills to prepare the students for the dynamic employment market. All the departments in the College conduct seminars, workshops, group discussions and field visits to enrich the curriculum. Certificate Course in Spoken English has been introduced to provide the students of the region an opportunity to upgrade their communication skills in English so as to brighten their career prospects. Different quiz programmes are organised for the students to keep the students up-dated with current affairs. Mock interviews are also taken under the supervision of Career and Counselling Cell to make the students competent for the job market.



Graph 1.3.1: Number of ICT enabled classrooms

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 College has always actively responded to the momentous issues of our society and socio-political environment of the world. To integrate the cross cutting issues like gender, climate change, environment education, human rights, ICT etc. into the curriculum, the college has established Women's Cell. Gender Sensitization and seminars on Gender Equity are organized to create awareness about Gender issues and promote gender equity. Climate change: Extension lectures on Global warming, Ozone layer depletion, and Carbon emission are regularly held. –Environmental Studies as subject is taught as part of the university syllabus. Department of Human rights organizes workshops and seminars: Anti-Ragging Cell, Grievance Redressal Cell (GRC) are active in the college campus. Seminars on women's rights are organized and Human Rights Day is observed. ICT: The College has state-of-the-art infrastructure for imparting computer training. Mandatory computer course is being conducted. ICT is included in the curriculum of PG as well as UG classes of all computer courses and classes of some interdisciplinary courses. This foundational knowledge of computers and technology training make the students a part of global information system and enhances their employability.

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

The following value added courses are offered by the college-

Certificate Courses on i. Communicative English & Soft Skills ii. Computer Application and Information Technology iii. Computer Application and Financial Accounting iv. Dance v. Art and Craft. Other than these courses preparatory programmes for various competitive examinations are organised.

Our mission is to ensure holistic development of students. Our college is like a family with a strong sense of bonding and respect for the values and traditions of the institution. Utmost courtesy and a spirit of service is fostered in students and staff alike. These are the ingredients of the art of living together which encourages a wholesome community orientation.

Moral and Ethical Values: Through courses in Human Rights and various seminar, workshops

organized by the Equal Opportunity Cell and Animal Ethical committee and through of observations of important days, moral value are inculcated into the students.

Employability and Life Skills: The Placement Cell consist of Soft skill Trainers and Language Trainers. The Placement executive understands that the need of communication skills is vital for the students for better career options. Group Discussions, Power Point Presentations, Resume writing and Declamation Contests are held at regular intervals both in regional and English language in the institution. Career Counselling workshops are organized to orient the students. It is a regular practice of the institution to invite expert resource persons to conduct workshops on the development of interview competence among the students. Students are also allotted different responsibilities in organizing various events and activities such as cultural programmes, competitions, seminars, workshops etc. In this way, they improve their team building and organizational skills.

Better Career options: Career Advancement Centre functions as a career guidance centre disseminating knowledge about different career options available to various categories of students and equipping them with enrichment courses to increase their employability.

Community Orientation: Institution regularly organizes Blood Donation Camp, AIDS awareness, Drug abuse, Environmental awareness programs, and observes World Water day, Global warming in collaboration with NSS. The innovative certificate courses and the extension activities which instill social consciousness enrich the curriculum and ensure holistic development of students. Different Blood tests like Thalassemia etc., training on first aid are also carried out for the holistic development of the students.

Table 1.1.2: Students enrolled for value added courses

| Year | Certificate Courses in Computer Application | Communicative English | Certificate course in Dance | Certificate course in Art and Craft |
|---------|---|-----------------------|-----------------------------|-------------------------------------|
| 2011-12 | 336 | 391 | 20 | 35 |
| 2012-13 | 472 | 100 | 20 | 50 |
| 2013-14 | 339 | 109 | 20 | 50 |
| 2014-15 | 325 | 110 | 20 | 55 |
| 2015-16 | 186* | 90* | 20 | 106 |

*All first year students have been brought under mandatory Computer and Spoken English courses

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

The college has an active and continual feedback system through parent feedback and parent-teacher meet and interaction, student feedback and alumni feedback. Parent feedback is taken every year in a format supplied to the parents before Parent meet. The feedback is discussed in the parent meet. A report is prepared by the convener of the parent meet committee which is discussed in the IQAC and a detailed report is sent to Governing Body if and when necessary actions are required to be taken. Student feedback is taken from the final year students every year, the feedback is analysed and given to the respective teacher for introspection. Principal prepares a performance chart and takes necessary actions in this regard. Alumni feedback is also taken during departmental alumni meets and the central alumnae meet. Feedback from teachers is elicited largely at Teachers Council meetings. The faculty members take this very seriously and

participate with responsibility and discipline.

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

The college uses education as the tool for empowering women and through the transaction of the enrichment programmes it has adopted it seeks to address the all-round development of the students enrolled in the various academic programs it offers. The feedback on various enrichment programmes in the form of interactions, discussions and suggestions as received through response sheets is analysed by external coordinators and a summative report of the same submitted to the Principal. The IQAC monitors and evaluates the efficiency and success of these enrichment programs. The Institution makes sure that the programmes offered in the curriculum include contribution to national development, fostering global competencies among students, inculcating a value system among students, promoting the use of technology and quest for excellence. The IQAC ensures that the students participate in these enrichment programmes and derive maximum benefit from them.

Feedback System**What are the contributions of the institution in the design and development of the curriculum prepared by the University?**

The responsibility of designing and restructuring of courses mainly lies with the Affiliating University. The college, however, makes significant contribution in the curriculum design and development. The existing courses are restructured and updated to meet the emerging national and global trends by reviewing periodically the syllabus of the reputed institutes, by organizing and attending seminars. Our faculty keep themselves abreast of the changing national and global trends by attending Refresher Courses and participating in seminars. In-house departmental meetings are held to review the courses and programmes. Feedback of students and their parents on the desired changes in the curriculum are obtained. The feedback thus obtained is analyzed. The Principal discusses the key findings with the Heads of the Departments. After thorough discussion a draft is prepared. Members of staff on statutory academic bodies communicate the suggestions/recommendations to the Board of Studies meeting held at the University for redesigning the programs for appropriate and effective inclusion by the university.

Is there a formal mechanism to obtain feedback from students and made use internally for curriculum enrichment and introducing changes/new programmes?

The existing programs are reviewed and new programmes introduced to create better opportunities for students. Feedback from students, alumnae, parents, academic peers and community are obtained for formulation and introduction of new courses. a) Students: A Proforma based on NAAC recommendations has been designed to obtain feedback on curriculum. The Proforma is distributed through random selection of students. b) Alumni: Alumnae Meet which is a regular feature provides a platform to its old students to participate in college activities and give their valuable suggestions on curriculum. c) Parents: The feedback on curriculum is obtained during the Parent-Teacher Meet organized to apprise the parents with the performance of their ward and obtain their feedback on the functioning of the college. The feedback thus obtained is analysed. In-house departmental meetings are held to review the courses and programmes. The Principal discusses the key findings with the Heads of the Departments. Resolutions adopted after consultations are communicated to the University for Approval. The changes recommended in various courses are tabled in Board of Studies meetings

by the member teachers for appropriate inclusion by the university. On the basis of these feedbacks, the present time table has been revised to facilitate completion of the syllabus on time.

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 college is growing from strength to strength in terms of the wide range of the curriculum offered at the undergraduate (UG) and postgraduate (PG) levels. The college offers a plethora of undergraduate courses in the faculty of Humanities, Science, Computers and Post graduation course in Zoology in tandem with the contemporary competitive educational scenario to empower women through quality education and make them job fit in the contemporary world. To sensitize students about their status and rights in society Human rights was introduced as an elective subject in B.A. The college is in the process of introduction of three PG courses from 2016 -17 academic session.

CRITERION- II :

TEACHING-LEARNING AND EVALUATION

CRITERION II: TEACHING-LEARNING AND EVALUATION:**STUDENT ENROLLMENT AND PROFILE****How does the college ensure publicity and transparency in the admission process?**

Raja N.L. Khan Women's college persistently and assiduously undertook all measures in pursuit of excellence in higher education. The earnest endeavour of the College is to ensure admission to all deserving and meritorious students and to implement this; the College takes utmost care to publicize its admission process in the leading local and national newspapers. In addition to this the College announces its admission process in the College website. A free and fair admission process is key to foster excellence in higher education, hence from 2015 onwards the college adopted full-fledged online admission process based on a transparent, open and excellence based meritocracy. At every stage the admission process of the college is scrutinized by online admission subcommittee of the college. Admissions to undergraduate programmes in the Faculties of Humanities, Biological Science and Pure Science are made on the basis of +2 performances. The college Prospectus describes the chief features of the Institution. Academic departments, the courses offered, as well as subject combinations and faculty members are enlisted in the Prospectus. The College website is the primary source of information for the Institution regarding the subjects offered, combination of subjects offered, departmental profiles, criteria and cutoff marks for admission in the various disciplines etc. It is regularly updated. The lists of applicants selected for different subjects are displayed in the College Notice Board as well as the College website. Successive vacancies and applicants selected against those vacancies are similarly displayed till the end of the admission process. All selections are made based strictly on merit and adhering to the guidelines and reservation policy of the government. Throughout the admission period a Help-desk is operative and any complaint or query from the applicants/guardians is immediately addressed. Such initiatives have been extremely useful in ensuring transparency and to boost the process of admission in the institution.

The Alumni Association also plays a vital role in dissemination of information regarding the college and the admission procedures followed.

Explain in detail the criteria adopted and process of admission [Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other] to various programs of the institution.

Undergraduate Admission:

Even though the college is keen to have entrance tests, the formidable logistic difficulties have held us back from this. Admission in the UG courses is strictly merit based. The merit is determined as per the following rules prescribed by the affiliating University i.e. Vidyasagar University and the State Higher Education Department.

- Students who pass Higher Secondary or equivalent examination(10+2) with minimum of 45% marks in the aggregate (to be calculated by adding the marks obtained in –Best Five subjects) or 50% marks in the subject or related subjects are eligible to apply for admission in the Honours course.
- Students carrying pass marks in at least five subjects are eligible to apply for admission in general course.

- Admission is done on merit basis. Merit point for admission in honours course is calculated by adding 10% of total marks obtained in the 'Best Five' subjects at higher secondary/ equivalent examination and the marks obtained in the subject or a related subject in which the admission in Honours course is sought.
- Merit point for admission in General Course is calculated by adding the marks obtained in 'Best Five' subjects at higher secondary/ equivalent Examination.
- For admission in General and Honours course, a student must have passed Higher Secondary/ Equivalent examination from Boards approved by the Vidyasagar University.
- Students passing Higher Secondary Examination from Vocational stream, conducted by W.B.C.H.S. Education or any other equivalent Board/Council may apply for admission in General course only.
- Regarding admission in Nutrition (Hons) Course:- Only those students are eligible who have passed in i) Nutrition with Biology or Chemistry at Higher Secondary / equivalent examination. or, ii) Biology and / or Chemistry at Higher Secondary / equivalent examination.

Postgraduate Admission (PG- Zoology)

As per government rules, 40% of the available seats are filled based on merit of the applicants. Remaining 60% seats are filled through an entrance test comprising of 50 marks MCQ. The test is conducted by the college with effect from 2014.

Give the Minimum and Maximum percentage of marks for Admission at entry level for each programme offered by the college and provide a comparison with other colleges of the affiliating university within the city and the district.

Table 2.1.1: Comparative table showing Maximum and Minimum Merit Points at the entry level

| Subjects | Raja N.L.Khan Women's College | | Garhbeta College | | Kharagpur College | | Mahisadal Girls College | |
|-----------------------|-------------------------------|---------|------------------|-------|-------------------|-------|-------------------------|--------|
| | Max | Min | Max | Min | Max | Min | Max | Min |
| Bengali (H) | 150.00 | 112.00 | 132.70 | 72.60 | 131.6 | 69.4 | 128.70 | 91.60 |
| English(H) | 150.00 | 128.00 | 134.90 | 78.30 | 131.7 | 74.00 | 132.50 | 109.70 |
| History (H) | 135.00 | 82.60 | 131.40 | 78.10 | 133.8 | 25.9 | N.A. | N.A. |
| Geography(H) | 141.40 | 109.30 | 136.70 | 73.60 | 139.1 | 39.6 | 136.30 | 87.40 |
| Political Science (H) | 134.00 | 92.60 | N.A. | N.A. | 132.00 | 67.9 | 125.10 | 69.00 |
| Sanskrit (H) | 139.20 | 1115.30 | 139.00 | 75.50 | 146.6 | 68.5 | 132.50 | 91.40 |
| Music (H) | 141.60 | 94.20 | N.A. | N.A. | N.A. | N.A. | 116.20 | 109.20 |
| Philosophy (H) | 140.90 | 80.30 | 135.10 | 74.20 | 135.1 | 28.1 | 136.50 | 82.50 |
| Zoology(H) | 141.60 | 122.70 | 140.10 | 33.50 | 139.2 | 29.5 | 121.50 | 71.90 |
| Botany (H) | 141.60 | 113.80 | 137.30 | 73.90 | 139.2 | 26.4 | N.A. | N.A. |
| Physiology(H) | 141.90 | 106.70 | 130.90 | 74.30 | 135.1 | 28.1 | N.A. | N.A. |
| Mathematics(H) | 144.30 | 113.80 | 141.70 | 80.80 | 143.3 | 37.3 | 121.50 | 71.90 |
| Com. Science (H) | 133.50 | 81.60 | N.A. | N.A. | N.A. | N.A. | 108.60 | 78.60 |
| Physics (H) | 143.80 | 118.90 | 142.40 | 67.60 | 144.3 | 77.0 | N.A. | N.A. |
| Chemistry (H) | 148.60 | 80.6 | 140.50 | 79.93 | 143.4 | 78.5 | 129.70 | 80.30 |
| Economics(H) | 127.30 | 94.20 | N.A. | N.A. | 123.1 | 69.5 | N.A. | N.A. |
| Microbiology(H) | 141.30 | 94.20 | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| Nutrition(H) | 139.60 | 108.60 | N.A. | N.A. | N.A. | N.A. | 132.20 | 74.50 |

The table clearly reflects that for the majority of the subjects, students admitted in our college have higher percentage in comparison to those admitted in neighboring college.

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 students profile is maintained by the departments concerned and the admission process is reviewed every year by the Admission Sub-committee, chaired by the Principal. Necessary changes to improve the process are suggested and concrete steps are taken. The Annual Reports keep track of student enrolment and performance. The success rate of our students in university examination is very high and failures are minimal.

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

SC/ST: The reservation policy of the Govt. of West Bengal is followed with respect to admission of SC and ST category which is 22 percent and 6 percent respectively.

OBC (A) and OBC (B): From 2014 onwards, keeping in view, the new policy of the Govt. to increase the number of seats of OBC to 17 percent [OBC A-10% and OBC B-7%] over a period of 3 years keeping the total number of general seats intact, the college has increased required no. of seats in each course in a phase wise manner..

Women: The College is a women's college so this criterion does not apply separately.

Differently abled: 2% of available seats are reserved in each subject for students with special needs. A special cell looks into their needs, providing them all necessary help and guidance. Ramps and special toilets have been constructed and a lift for the library has been commissioned.

Economically weaker sections: There is no provision for reservation of seats for students from economically weaker section. However, once a student from this section got admitted, the college authority extends every kind of support to such students to encourage them to complete the course. To reflect the national commitment to inclusion of the economically weaker section of the society, various stipends and scholarships [full/half] are awarded by the College on the basis of merit and financial needs. Free studentship (full/half) is awarded by the college to needy and deserving candidates on the recommendation of the department. Certain concessions in tuition and examination fees are awarded to the meritorious students. There is a scholarship help desk which assists the students in filling up online scholarship forms.

Minority community: Again there is no provision for reservation of seats for students from Minority Community. There are several Govt. and other scholarships for Minority community students once they get admission to this college.

Any other: Kanyashree Scholarships offered by the State Government for the deserving candidates have been introduced from the current academic year. Out of 1620 applicants 912 students received the scholarship in 2014-15.

Table 2.1.2: List of different Scholarships

| Year | Source | No. of student benefitted | Amount (Rs.) | % of benefitted students |
|----------------|-------------------------------|---------------------------|---------------|--------------------------|
| 2011-12 | Student Aid fund from college | 317 | 7,39,735/- | 20.11 |
| | State Govt. | 144 | | |
| | Non Govt. Agencies | 14 | | |
| 2012-13 | Student Aid fund from college | 401 | 7,87,050/- | 28.68 |
| | State Govt. | 306 | | |
| | Non Govt. Agencies | 10 | | |
| 2013-14 | Student Aid fund from college | 311 | 10,84,100/- | 32.49 |
| | State Govt. | 467 | | |
| | Non Govt. Agencies | 10 | | |
| 2014-15 | Student Aid fund from college | 318 | 2,88,89,500/- | 51.86 |
| | State Govt. | 273 | | |
| | Kanyasree | 912 | | |
| | Non Govt. Agencies | 15 | | |

The admission policy rigidly follows the reservation policy of Government of West Bengal for SC, ST, OBC, and differently abled candidates to reflect the National Commitment to diversity and inclusion.

Table 2.1.3: Subject wise intake for 2015-16 Session (undergraduate-Honours courses)

| Subjects | No. of Seats | Gen | SC | ST | OBC-A | OBC-B | Minority |
|------------------------------|--------------|-----|----|----|-------|-------|----------|
| Bengali (H) | 107 | 60 | 23 | 6 | 9 | 6 | 1 |
| English(H) | 107 | 60 | 23 | 6 | 9 | 6 | 1 |
| History (H) | 81 | 46 | 17 | 5 | 6 | 5 | 1 |
| Geography(H) | 81 | 46 | 17 | 5 | 6 | 5 | 1 |
| Political Science (H) | 60 | 34 | 13 | 4 | 5 | 3 | 0 |
| Sanskrit (H) | 81 | 46 | 17 | 5 | 6 | 5 | 1 |
| Music (H) | 45 | 25 | 10 | 3 | 3 | 3 | 0 |
| Philosophy (H) | 66 | 37 | 15 | 4 | 5 | 4 | 0 |
| Zoology(H) | 60 | 34 | 13 | 4 | 5 | 3 | 0 |
| Botany (H) | 60 | 34 | 13 | 4 | 5 | 3 | 0 |
| Physiology(H) | 60 | 34 | 13 | 4 | 5 | 3 | 0 |

| Subjects | No. of Seats | Gen | SC | ST | OBC-A | OBC-B | Minority |
|------------------|--------------|-----|----|----|-------|-------|----------|
| Mathematics(H) | 81 | 46 | 17 | 5 | 6 | 5 | 1 |
| Com. Science (H) | 38 | 21 | 9 | 2 | 3 | 2 | 0 |
| Physics (H) | 45 | 25 | 10 | 3 | 3 | 3 | 0 |
| Chemistry (H) | 52 | 29 | 12 | 3 | 4 | 3 | 0 |
| Economics(H) | 45 | 25 | 10 | 3 | 3 | 3 | 0 |
| Microbiology(H) | 38 | 21 | 9 | 2 | 3 | 2 | 0 |
| Nutrition(H) | 60 | 34 | 13 | 4 | 5 | 3 | 0 |

Table 2.1.4. Subject wise enrollment for 2015-16 Session (undergraduate-Honours courses)

| Subjects | Enrollment | Gen | SC | ST | OBC-A | OBC-B | Minority |
|-----------------------|------------|-----|----|----|-------|-------|----------|
| Bengali (H) | 94 | 50 | 14 | 5 | 7 | 10 | 2 |
| English(H) | 102 | 52 | 20 | 7 | 7 | 5 | 11 |
| History (H) | 69 | 32 | 13 | 5 | 4 | 7 | 8 |
| Geography(H) | 70 | 35 | 14 | 3 | 4 | 7 | 7 |
| Political Science (H) | 49 | 31 | 6 | 8 | 1 | 2 | 1 |
| Sanskrit (H) | 71 | 36 | 13 | 4 | 11 | 7 | 7 |
| Music (H) | 21 | 19 | 2 | 0 | 0 | 0 | 0 |
| Philosophy (H) | 62 | 41 | 10 | 3 | 2 | 3 | 3 |
| Zoology(H) | 54 | 36 | 8 | 2 | 2 | 3 | 3 |
| Botany (H) | 29 | 16 | 4 | 4 | 2 | 2 | 1 |
| Physiology(H) | 48 | 35 | 4 | 1 | 2 | 3 | 3 |
| Mathematics(H) | 79 | 62 | 8 | 2 | 1 | 5 | 1 |
| Com. Science (H) | 31 | 22 | 3 | 1 | 1 | 2 | 2 |
| Physics (H) | 31 | 16 | 6 | 1 | 2 | 4 | 2 |
| Chemistry (H) | 37 | 27 | 6 | 0 | 0 | 2 | 2 |
| Economics(H) | 18 | 12 | 3 | 0 | 0 | 1 | 2 |
| Microbiology(H) | 29 | 28 | 1 | 0 | 0 | 0 | 0 |
| Nutrition(H) | 50 | 29 | 8 | 2 | 2 | 3 | 6 |

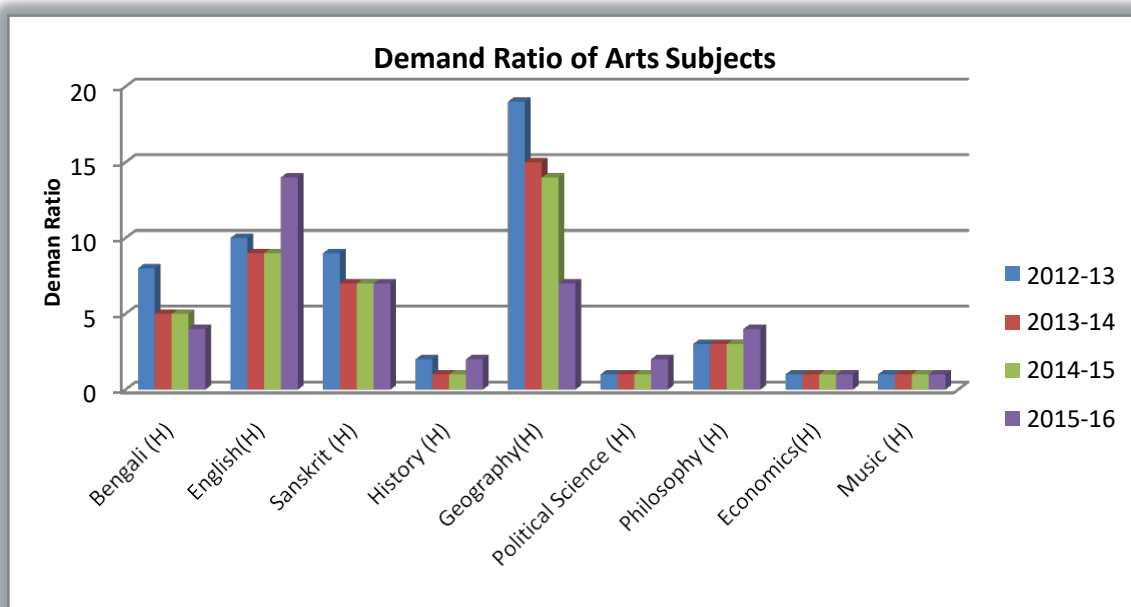
2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e. reasons for increase / decrease and actions initiated for improvement.

Table 2.1.5: Demand Ratios of different subjects in different session

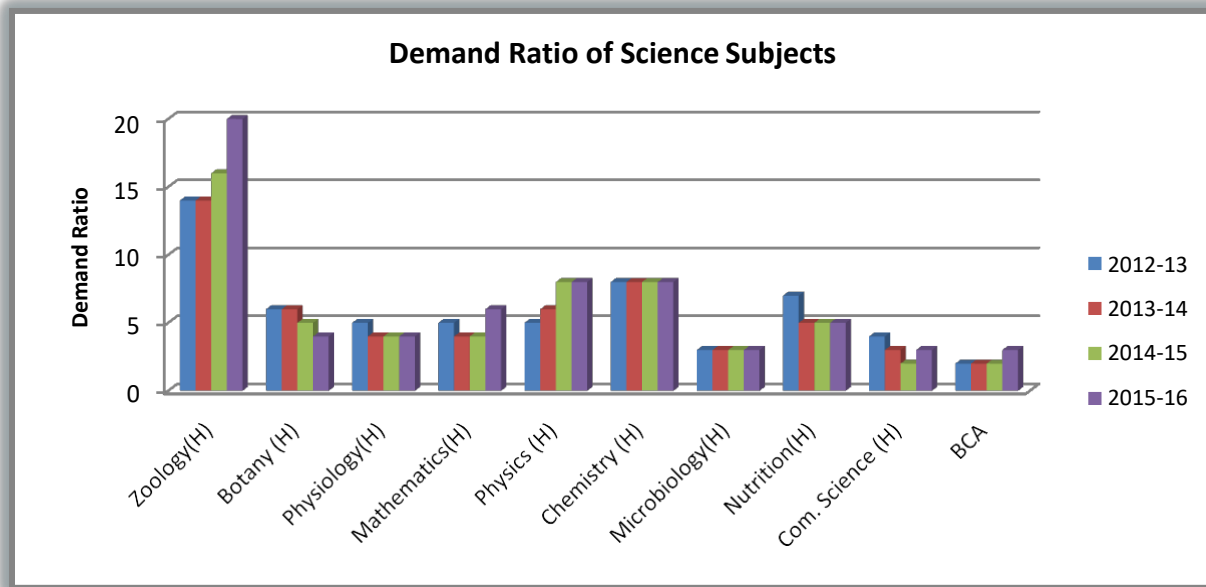
| Subjects | Year | No. of Seats | Number of Applicants | Demand Ratio |
|-------------|---------|--------------|----------------------|--------------|
| Bengali (H) | 2015-16 | 107 | 450 | 4 |
| | 2014-15 | 95 | 430 | 5 |
| | 2013-14 | 88 | 410 | 5 |
| | 2012-13 | 72 | 610 | 8 |
| English(H) | 2015-16 | 107 | 1463 | 14 |
| | 2014-15 | 95 | 856 | 9 |
| | 2013-14 | 88 | 818 | 9 |
| | 2012-13 | 72 | 725 | 10 |
| History (H) | 2015-16 | 81 | 200 | 2 |

| Subjects | Year | No. of Seats | Number of Applicants | Demand Ratio |
|-----------------------|---------|--------------|----------------------|--------------|
| | 2014-15 | 72 | 98 | 1 |
| | 2013-14 | 68 | 100 | 1 |
| | 2012-13 | 55 | 100 | 2 |
| Geography(H) | 2015-16 | 81 | 570 | 7 |
| | 2014-15 | 72 | 1020 | 14 |
| | 2013-14 | 68 | 1012 | 15 |
| | 2012-13 | 55 | 1070 | 19 |
| Political Science (H) | 2015-16 | 60 | 125 | 2 |
| | 2014-15 | 54 | 72 | 1 |
| | 2013-14 | 49 | 50 | 1 |
| | 2012-13 | 40 | 15 | 0 |
| Sanskrit (H) | 2015-16 | 81 | 550 | 7 |
| | 2014-15 | 72 | 480 | 7 |
| | 2013-14 | 68 | 451 | 7 |
| | 2012-13 | 55 | 500 | 9 |
| Music (H) | 2015-16 | 35 | 37 | 1 |
| | 2014-15 | 30 | 25 | 1 |
| | 2013-14 | 30 | 28 | 1 |
| | 2012-13 | 30 | 20 | 1 |
| Philosophy (H) | 2015-16 | 66 | 235 | 4 |
| | 2014-15 | 58 | 180 | 3 |
| | 2013-14 | 54 | 175 | 3 |
| | 2012-13 | 44 | 130 | 3 |
| Zoology(H) | 2015-16 | 60 | 1200 | 20 |
| | 2014-15 | 54 | 850 | 16 |
| | 2013-14 | 49 | 680 | 14 |
| | 2012-13 | 40 | 550 | 14 |
| Botany (H) | 2015-16 | 60 | 260 | 4 |
| | 2014-15 | 54 | 280 | 5 |
| | 2013-14 | 49 | 300 | 6 |
| | 2012-13 | 40 | 250 | 6 |
| Physiology(H) | 2015-16 | 60 | 255 | 4 |
| | 2014-15 | 54 | 230 | 4 |
| | 2013-14 | 49 | 209 | 4 |
| | 2012-13 | 40 | 213 | 5 |
| Mathematics(H) | 2015-16 | 81 | 509 | 6 |
| | 2014-15 | 72 | 285 | 4 |
| | 2013-14 | 68 | 274 | 4 |
| | 2012-13 | 55 | 294 | 5 |
| Com. Science (H) | 2015-16 | 38 | 99 | 3 |
| | 2014-15 | 33 | 78 | 2 |
| | 2013-14 | 31 | 82 | 3 |

| Subjects | Year | No. of Seats | Number of Applicants | Demand Ratio |
|-----------------|---------|--------------|----------------------|--------------|
| | 2012-13 | 25 | 90 | 4 |
| Physics (H) | 2015-16 | 45 | 380 | 8 |
| | 2014-15 | 40 | 312 | 8 |
| | 2013-14 | 37 | 220 | 6 |
| | 2012-13 | 30 | 150 | 5 |
| Chemistry (H) | 2015-16 | 52 | 410 | 8 |
| | 2014-15 | 46 | 380 | 8 |
| | 2013-14 | 43 | 356 | 8 |
| | 2012-13 | 35 | 283 | 8 |
| Economics(H) | 2015-16 | 45 | 55 | 1 |
| | 2014-15 | 40 | 36 | 1 |
| | 2013-14 | 37 | 25 | 1 |
| | 2012-13 | 30 | 30 | 1 |
| Microbiology(H) | 2015-16 | 38 | 120 | 3 |
| | 2014-15 | 33 | 87 | 3 |
| | 2013-14 | 31 | 89 | 3 |
| | 2012-13 | 25 | 86 | 3 |
| Nutrition(H) | 2015-16 | 60 | 280 | 5 |
| | 2014-15 | 54 | 279 | 5 |
| | 2013-14 | 49 | 269 | 5 |
| | 2012-13 | 40 | 283 | 7 |
| BCA | 2015-16 | 38 | 97 | 3 |
| | 2014-15 | 33 | 75 | 2 |
| | 2013-14 | 31 | 58 | 2 |
| | 2012-13 | 25 | 55 | 2 |



Graph 2.1.1: Demand ratio of different Arts Subjects in the last four years



Graph 2.1.2 Demand ratio of different Science Subjects in the last four years

On an average, the Demand Ratio for Science subjects in UG level like Zoology, Mathematics, and Physiology and in some of the Humanities subjects like English, Geography, Bengali, Sanskrit, it is high. In some subjects, like Political Science, History, Philosophy and Economics, due to various external reasons like lack of employability.

Catering to Diverse Needs of Students

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

The college is sensitive to the needs of the differently-abled students. The Institution strictly follows all Government rules and regulations regarding admission of the differently-abled students. The institution follows an inclusive policy and tries to extend all help and support to the differently-abled students. These students are provided all help and counselling when needed. They are given special guidance and counselling by the teachers of the respective departments. A special cell, HSEPN which has been established in the college with the aid of UGC provides necessary assistance like- wheel chair, computers for visually impaired etc. to help such students. Ramps have been constructed in all buildings. A proposal for installation of lift using RUSA fund has been sanctioned and will be shortly undertaken. Smt. Behula Maji, a non teaching staff member has been given the responsibility to assist the differently-abled students when required.

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.

Yes. The merit point for preparing the merit list for admission to each subject is based not only on the relevant subject but due importance is also given to the aggregate, so that merit of a student is judged by considering her achievement in other subjects also.

During admission there is a Help Desk to address the needs of the applicants and also to answer their queries. The students are counselled during admission to help them choose suitable subjects and courses. Before the commencement of a new programme, a deliberation by the Principal,

followed by the teachers of each department is organised for the students. Immediately after the commencement of class basic knowledge and shortcomings of students are judged by the teachers through one to one interaction. The teachers usually spend a few classes for recapitulation of the previous subject matters to bridge the gap, if any. Special orientation programme/Induction Meet is arranged before commencement of the regular classes.

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, etc).

Slow and advanced learners are identified on the basis of classroom participation, class tests, results of midterm examination and test. The teachers of different departments adopt strategies like academic counselling, remedial classes, special classes, tutorials for the slow learners so that they can cope with other students. Tutorial classes are structured within the master time table of departments. Majority of the students are from rural background, most of them lack computer skills. Identifying this skill gap, Hands-on-Training programme in Computer is arranged for all sections of the students at the commencement of each new session and has been made compulsory. Parent-teacher meetings are organized by all departments through which parents are intimated about the academic progress of their wards. They are encouraged to share their observations about their wards as well as the institution.

- **Remedial** -The College runs U.G.C. sponsored Remedial Course for students of the Minority and Backward classes. Special classes are held beyond college hours in various subjects to help the academically weak students.

- **Add-on & Enrichment courses**- The college has also started preparatory courses, entrepreneurship development and self- financing career-oriented courses. These are as follows:-

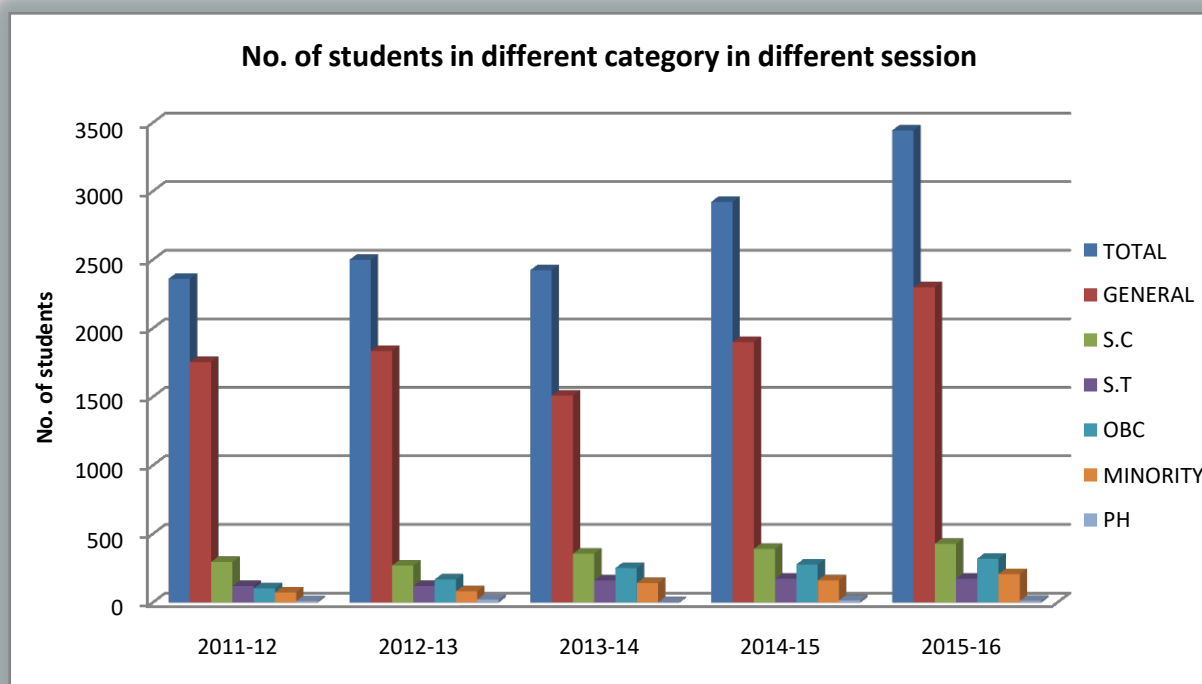
1. Preparatory courses for competitive examinations.
2. Entrepreneurship development courses in Art and Craft and workshop on Ornamental fishery.
3. Certificate Course in Computer Application and Information Technology
4. Certificate Course in Computer Application and Financial Accounting
5. Certificate Course in Communicative English.
6. Certificate Course in Dance.
7. Short term course on Interview facing skill and personality development

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

Students and staff are **sensitized on issues of gender** through holding seminars/invited lectures on gender-related topics. The various ways by which the institution sensitizes the issue of inclusion are the following:

- NSS units and NCC celebrates Women's Day by organizing debates, speech.
- Human Rights Department observes Human Rights Day on 10th December every year organising debate and eloquence on gender related issues like Dowry system, female foeticide, domestic violence, child trafficking and gender discrimination in collaboration with NGOs.
- Department of History also organises workshops on gender related issues.

- The College caters exclusively to the educational needs of women. The institution undertakes research on gender issues, organizes seminars and various other programmes to discuss and deliberate on gender issues. The institution has an active Women's Cell.
- **Inclusive Representation** - The institution is an inclusive one where there is no discrimination made on the basis of religion, caste, ethnicity, region, language, social status etc. Our hostel is an example of our endeavour to achieve the same. The College totally follows the 22% SC, 6% ST, and 17% OBC reservation. The institution has five students' hostels of which, one has been constructed with UGC assistance, to accommodate students from rural and tribal areas. A large number of tribal students and students from minority community stay in these hostels.
- The college admits SC/ST candidates with relaxed norms as per University rules. Certain concessions in fees in the form of granting full free studentship, half-free studentship are awarded to meritorious but needy students, who may be in indigent circumstances. There are some UGC scholarships for SC/ST/minority students.
- College has an Equal Opportunity Cell which organises workshop on Positive discrimination of women and backward sections of the community.



Graph 2.2.1: Student Diversity

Regarding sensitization on the issue of environment the institution has the following provisions:

- College takes special care in conducting the classes of Environmental Studies which is included as a compulsory subject carrying 50 marks in University B.A./B.Sc. syllabus.

- Besides this students and teachers actively participate in various activities like cleaning of the college campus, and different awareness programmes and observation of NO SMOKING DAY etc.
- Waste water management: The water coming out from washing etc. is collected and used for gardening.
- The institution is also fully aware of its responsibility to protect and preserve the environment and organizes the –Banomahotsavll (festival of plantation of trees) annually to sensitize the students about the same.



Plate 2.2.1 –Banomahotsavll (festival of plantation of trees) held annually

- The work on installation of solar lamps in the College campus is in progress. It is being done with a view to create awareness on renewable energy sources among the staff and students.
- Fluorescent tube lights are gradually being replaced with LED lights to reduce pollution.
- Solar powered heaters have been installed in all the hostels for supply of hot water.
- College campus has been declared as a **no polythene zone and _no tobacco zone‘**.
- There is a Medicinal Garden sponsored by central govt. a Vermicompost unit, Rainwater Harvesting in the college pond and Kitchen garden which uses vermicompost are important features of the institution
- NSS observes the –World Environment Dayll on 5th June and organises programmes to keep the campus, adjacent area and the adopted villages –lean and greenll.
- Wall Magazines on the contemporary topics are organised by different departments to address different environmental issues.

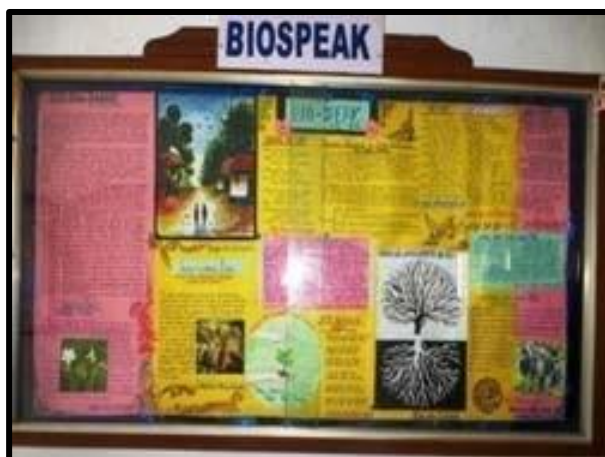


Plate 2.2.2 Wall Magazine prepared by the Departmental students

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

- The College has excellent laboratory facilities in the science subjects.
- Student projects are conducted for interested advanced learners.
- There is also a well-stocked library which houses 35656 books and subscribes to 35 journals and magazines.
- Each department has a supporting Seminar Library for average as well as advanced learners.
- Internet access with Wi-Fi, student hotspots are available for students.
- The Post-graduate department as well as many under graduate departments has research scholars, so the advanced learners have a chance to interact with them and gain advanced knowledge
- Visits are regularly organized to research institutes and industries to address the needs of advanced learners.
- Several departments organize students' seminars, extension lectures, invited lectures by eminent scholars from other institutions etc.
- Advanced learners are encouraged to sit for competitive examinations like JAM and pursue higher studies and are motivated to participate actively in seminars in the college and in other academic institutions. The advanced learners also make use of the free internet and INFLIBNET facilities available in the college. They are also given special guidance by teachers. The teachers of the departments always identify and respond to special learning needs of advanced learners. They are motivated to refer advanced texts and journals which are available in College library. They are also encouraged to apply for different scholarships (viz. JBNSTS, INSPIRE, etc.). They are motivated to participate in seminar presentation, quiz competition, debates etc. in other colleges and institutes where they can excel themselves in the fields of their interest.

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.)?

- All relevant information of an applicant are collected through the admission form at the time of online submission of forms. These data on the admitted students are preserved in the college office. Besides this, at the time of admission to the college other important information on the students are preserved in the college office. Record of results of University examinations are preserved in the college office. In these ways the college maintains a students' profile. Departments use these data to study the academic progress of the students of the respective departments over time.
- Students' progressions are maintained in their departments. Although the rate of dropout students in this College is very low, special care is taken for slow learners and students from economically weaker sections so that they can gradually cope with the University Examination. Slow learners are identified and given remedial education. They are encouraged to keep individual contact with the teachers. Taking into the strength and weakness, the slow learners are given additional support whenever possible. The teachers take individual care to remove their difficulties in understanding the subject matters. A number of ways are adopted for their support both financially and socially keeping in mind that education for women is very important in our

country. Providing scholarship from student aid fund, psychological counselling and motivating sessions and mentorship are important tools for reducing the dropout rate of students.

- Students from the Minority community avail stipends sponsored by Minority Affairs Department of the Govt. of West Bengal.
- Kanyashree Scholarships offered by the State Government to the deserving girl students have been introduced from the last academic year. College has established a Scholarship Help Desk for giving information and assisting the students with regard to availing different scholarships awarded by government as well as private agencies.
- Free studentship (full/half) is extended to deserving candidates on the recommendation of the Departments.
- Scholarship help desk maintained by Career Advancement Centre assists students to obtain scholarships from different governmental and non governmental organisations like Merit cum Means scholarships, scholarships awarded by Jindal group, P. Birla Foundation, Sheela Kanoria foundation etc. by giving relevant information and helping the students in filling up the forms.
- Apart from this, expenditure incurred for field study is also provided to the needy students. The College also encourages its students through various prizes, some of which have been initiated several decades ago.

Teaching-Learning Process

How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)

As our college is affiliated to Vidyasagar University it is bound to follow the academic schedule of the University. Individual departments have been given the liberty to have their own teaching plans. However, a detailed routine is sent to each department at the beginning of the session so that the departmental plans can be designed accordingly. Even the evaluation plans are provided by the University. These evaluations are in the form of Internal Assessments which are then decided by the academic subcommittee of the college and as Part I, II, III examinations which are directly conducted by the mother University.

A copy of master routine of the college has been given herewith which the college follows in structuring its activities in accordance with the University Calendar.

Annexure 6: College Routine (2015-16)

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

We have an active IQAC. It is concerned with all the activities of our college-from teaching to all extracurricular activities. IQAC conducts meeting from time to time to assess various activities that are being done by the departments in the said period of time. In such meetings we are all reminded about the various suggestions and recommendations made by the NAAC team during their last visit so that we can execute our forthcoming plans accordingly and try to meet the recommendations.

Some of the recommendations that have been implemented by the IQAC are-

- Museum in local art and culture has been initiated by the Department of Bengali. Digital language laboratory has been initiated by the Department of English.
- Use of ICT in teaching- Seventeen smart classes has been developed. Eleven more LCD/LED projectors have been procured and are now being used in classrooms and laboratories.

- All efforts to avail Student scholarship have been increased. Mentorship is being strengthened. Dropout rate is still below 2%.
- E-learning and networking centre has been initiated in the central library with the funding from DST-FIST.
- We have completed the 1st floor of the Library building and first floor of the Nutrition building- a total of Nine classrooms have been increased.
- Repair of students' furniture and electrical installations in General class rooms have been undertaken.
- Up-gradation of eight science laboratories in the department of Zoology, Botany, Physiology, Microbiology, Physics, Chemistry, Mathematics and Geography from BSR fund has been completed.
- Construction of new laboratories from college fund is done regularly..
- One week Workshop for teaching staff members on use of modern tools in teaching has been organized from 16th to 21st February, 2014.

How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

Traditionally, Raja N. L. Khan Women's College is a rural based college where maximum girls come from the nearby villages. They do need a lot of support and care to equip themselves to run with the digital world around.

Hence we try to provide all such facilities that are required to make our students equipped to face the world. Students are made aware of the college and the future avenues of their respective subjects during the first departmental interaction and in the induction meeting. We have provided the students with an enriched library with a lot of books and journals where our students can furnish their knowledge. We have an E- Learning laboratory in our college where students can access internet for studies. We have an E-cell which trains the students in certain skills such as handicrafts, soft toy making, etc. that can later prove to be a support system for them and their family.

An HEPSN Centre is run under the college where differently-abled students are informed about various fellowships that they can avail. Different equipments are provided which help them to move easily within the campus. Further a computer loaded with a soft ware of Audio-Visual aid for the visually challenged students is also present in the campus. Ramps have been constructed in all the classroom buildings of the campus for better access of physically challenged students. Smt. Behula Maji, a non-teaching staff member is assigned with the duty of assisting PWD students if needed.

Spoken English and Computer classes have been made mandatory for all the students of our college.

The campus is fully Wi-Fi enabled so that students have access, via the University portal, to a universe of learning resources from all over the world. In addition to this: (a) the college library has its own dedicated portal through which also students and faculty members can access a lot of material. (b) the college has a computer centre with internet in CAC which is made good use of by students. Faculty members too have access to this. In their case, they have a dedicated room with computers in the library itself where they can work undisturbed for as long as they wish to.

Teachers are given all possible support for

Interactive learning: classrooms are provided with ICT facility, sound systems for better communication, seminar library is well equipped for reference work of the teachers. Teachers are given support and encouragement for holding workshops and seminars, quiz, group discussion, use of CD library is done in some departments. An unique method when students become teacher

is used on specific days in all the departments to make learning process interesting and participatory.

Collaborative learning: Through conducting project works, group discussion, educational excursion, movie club collaborative learning is encouraged.

Independent learning: Teachers encourage the students to access internet, the entire campus is under Wi-Fi and computers are provided to every department and faculties can also access the central computer facility and e learning centre. Faculties are given all possible support to attend seminar and workshop and encouraged to guide students for project work. Students are encouraged to participate in various co-curricular activities and involved in various outreach programme. Sometimes students' seminar presentations are carried out to make the teaching more interactive.

How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

Emphasis on promoting original and critical thinking is in the tradition and culture of Raja N. L. Khan Women's College. Students are listened to with respect and appreciation. Their views on teaching

learning process and other aspects are valued. We have Student's Feedback as well as Parent's Feedback meetings. The names of the students are kept concealed in the feedback reports which they give.

Their creativity is given wings by organizing various Cultural Competitions which includes Dance, Singing, Elocution, Debate, quiz etc.

Students are encouraged to publish their writings in the college magazine-Sanhita and share their creative works in the wall magazine. It is our conviction that, once they get the taste for ideas they will remain learners for the rest of their lives.



(A)



(B)

Plate 2.3.1: Nurturing creativity and critical thinking-(A) Quiz Completions and (B) Poster competition held annually

Every year the college organizes Foundation Day Ceremony where the students are given opportunity to display their talents before the public. Teachers also encourage and train the students to participate in various departmental programmes arranged throughout the year.

Students participate in inter university and state level cultural competitions and college takes care of their preparation, journey and other arrangements. Cultural subcommittee spots young talents and nurture with internal and external experts. Courses in Art and Craft-Card making, soft toy making are conducted to nourish and nurture the creativity of the students by Career Advancement Centre.

More attempts have been made towards cultivating critical and free thinking, creativity and scientific temper in them by providing hours in the weekly routines for Games, Seminars and Hobbies.

Seminars, workshops and various science related debates, quiz competitions are organized to promote scientific temper among students from DBT STAR scheme.

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

- A well equipped central library and seminar library in each honours department is present in our college.
- We have OHP and LCD Projector-enabled classrooms with sound systems
- There are nearly 14 Smart Classrooms.
- Language laboratory and e learning facility is available.
- Internet with Wi-Fi is available in the entire campus.
- Hotspots have been created for students.
- Mathematical Gallery, History Museum, Zoological Museum, Medicinal Plant garden has been set up in the college.
- Audio visual facilities are available for the VH students and other facilities like ramps, lifts, wheel chairs etc are there for other differently abled students.

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

- Various departments organize conferences, seminars and workshops from the UGC-CPE, DBT and other UGC funds in different intervals of each year.
- College library is upgraded with advanced books, journals and magazines. E resources are also added regularly.
- Departmental libraries are upgraded with books for reference work of teachers.
- Teachers are encouraged to attend RC/OP and seminars for upgrading themselves.
- Research committee encourages and plays an active role for procuring research projects by the teachers for their advancement.
- Special lecture are organized for teacher up-gradation.
Student-teacher interactions within the classrooms has been enhanced by introducing the Tutorial and Problem solving classes every Saturday which mainly focuses on topics and themes beyond the syllabi.

- Departments of Nutrition, Physics, Physiology, Microbiology, Economics, Bengali, Geography, Human Rights and PG Department of Zoology carry out student projects and expose them to advanced learning.



(A)



(B)

Plate 2.3.2: Exposure of students to advanced level of knowledge: (A) Pesticide analysis done by HPLC with the students of PG-Zoology and (B) DIPAS Scientists with Physiology (H) Students

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

Academic and personal counselling-All the Honours Departments have a rich Seminar library. While encouraging and helping the students to make effective use of the library, the Faculty members provide the students with academic guidance and counselling. Classroom teaching is supplemented and augmented also by encouraging and helping the students to prepare papers for seminar presentations. Students are also counseled and informed about different avenues of higher studies available. Personal and psychosocial support and guidance is provided to the students through mentoring

Psychosocial counseling- Advisor and members of Equal Opportunity cell, coordinator of Remedial coaching provide counseling for students belonging to backward sections of the society, slow learners and students having other psychological problems. We have a professional counsellor who visits our college and college hostels to interact with the students. Girls freely discuss their feelings with the counsellor and are seem to be benefitted by her advices. Other than this we organize workshop on Stress management for our employees.

Guidance for various competitive examinations, preparatory courses and career counseling is done by Career Advancement Centre (Counselling, Training and Placement Cell) and also under the scheme of Entry in Services beyond college hours and on holidays including Sundays.

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?

In addition to the conventional teaching methodology and lecture mode there is an efficient tutorial system in our college that facilitates the individual teachers to adopt and adapt new modes and methods which they can implement without affecting the curricular structure designed by the university.

- Field trip and excursion are organized regularly.
Gurukul in the Department of Sanskrit, Mathematical gallery, Historical Museum, Museum on Art and Culture in the Department of Bengali create a different and unique learning environment. Medicinal Plant Garden, Botanical and Zoological museums are used in making teaching process interesting for the students and makes teaching learning an interactive process.
- Sensitizing the faculty about new technologies and methods in the academic subcommittee, teachers Council and IQAC.
- Sanctioning requisitions of equipments of various departments at the finance committee and thus making provisions for infrastructure for the use of new technology.
- By sending teachers and staff to various programmes and courses.
- The new modes and methods include the use of smart classes, projectors, audio visual aids and the internet.

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

We have a well equipped Central Library with an ocean of books and journals. The internet facility, facilities of photocopy and the reading room provision is an added feather to the crown. Well equipped seminar libraries in every department are also very helpful for the students to augment the teaching learning process. Educational video shows are organized in the Central Library on a regular basis to attract students and make learning interesting.

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 college has an exemplary work culture and therefore it seldom faces any challenge in completing the curriculum within the planned timeframe and calendar. Every individual faculty member are provided with a register where the details of their day to day classes are recorded. Other than these departmental meetings are held at fixed intervals to assess the progress of each teacher with the allotted syllabus. In individual cases where a teacher has to go on a long leave on account of personal and academic needs, extra classes are taken on holidays or in shifts to overcome the problem. To adjust the load of practical classes college starts practical classes from Part I itself, though not included in Part I syllabus of the university, so that there is enough time for the students to adopt to new practical methodologies in part II.

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

- The quality of Teaching Learning is monitored through the feedback system (Both Parent and Students Feedback is taken either through the interactions in the meetings or in writing).

- Every individual faculty member are provided with a register where the details of their day to day classes are recorded.
- Departmental meetings are held at fixed intervals to assess the progress of each teacher with the allotted syllabus.
- The IQAC keeps an eye on the performance of the students and recommends measures.
- Departments submit performance reports which are discussed in the Academic committee. Major issues are reported at the Governing Body meetings.
- Grievance Redressal Cell addresses issues related to teaching learning.

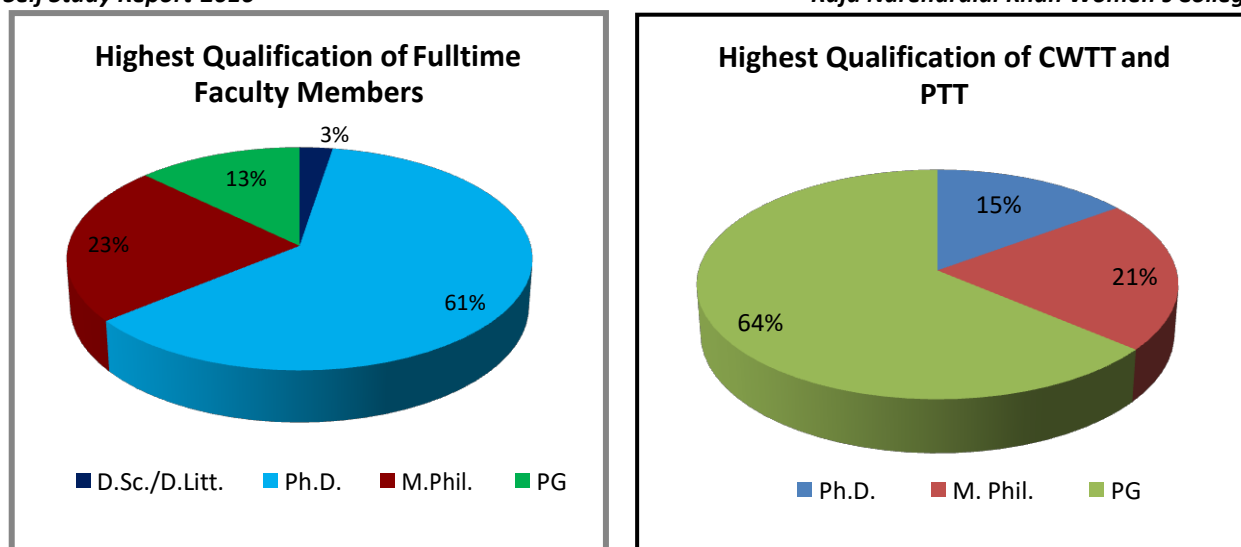
Teacher Quality

Provide the following details and elaborate on the strategies adopted by the college in planning and management(recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum

The institution abides by the methodology laid down by the UGC regarding the faculty selection process. The faculty members are appointed in our college from among the empanelled candidate in the West Bengal College Service Commission. The number of sanctioned teaching post in our college is 59. But presently we have 39 permanent teachers, 46 permanent part time (PTT) and contractual teachers (CWTT) approved by the state government are at work in the institution. In order to compensate this lack, we have appointed 44 guest teachers this year.

Table 2.4.1: Highest Qualification of the faculty

| Highest qualification | Professor | | Associate Professor | | Assistant Professor | | Total |
|---------------------------------------|-----------|--------|---------------------|--------|---------------------|--------|-----------|
| | Male | Female | Male | Female | Male | Female | |
| Permanent teachers | | | | | | | |
| D.Sc./D.Litt. | ---- | ---- | ---- | ---- | 01 | ---- | 01 |
| Ph.D. | ---- | ---- | 06 | 07 | 05 | 06 | 24 |
| M. Phil. | ---- | ---- | ---- | 04 | 02 | 03 | 09 |
| PG | ---- | ---- | -- | 01 | 03 | 01 | 05 |
| Temporary teachers | | | | | | | |
| Ph.D. | ---- | ---- | ---- | ---- | --- | 01 | 01 |
| M. Phil. | ---- | ---- | ---- | ---- | 01 | ---- | 01 |
| PG | ---- | ---- | ---- | ---- | 21 | 21 | 42 |
| Part-time teachers & CWTTs | | | | | | | |
| Ph.D. | ----- | ---- | ---- | ---- | 04 | 03 | 07 |
| M. Phil. | ----- | ---- | ---- | ---- | 08 | 02 | 10 |
| PG | ----- | ---- | ---- | ---- | 6 | 24 | 30 |



Graph 2.4.1: Highest Qualification of the teachers

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

For the professional, self financed course, batch of core teachers are available to handle major portions of the curricula while the rest are taught by guest faculty and faculties from other inter disciplinary department. No course of study is allowed to be affected due to shortage of faculty. With an aim to making the students up-to-date with recent development in the modern fields of studies we occasionally organize lectures, delivered by visiting professor from Vidyasagar University, Kalyani University, Biswabharati University and IIT-Kharagpur. To cope with the increasing number of vacant positions of teachers, the college also engages qualified guest teachers from time.

Table 2.4.2: Guest faculty and visiting faculties

| Session | Number of guest faculties engaged | Number of Visiting faculties in the PG Department of Zoology | Number of Visiting faculties in the UG Departments |
|---------|-----------------------------------|--|--|
| 2011-12 | 39 | 6 | 03 |
| 2012-13 | 42 | 6 | 03 |
| 2013-14 | 41 | 6 | 03 |
| 2014-15 | 44 | 6 | 03 |
| 2015-16 | 44 | 6 | 04 |

Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

a) Nomination to staff development programmes

Table 2.4.3: Nomination to staff development programmes

| Academic Staff Development Programmes | Number of faculty nominated | | | | |
|--|-----------------------------|---------|---------|---------|---------|
| | 2011-12 | 2012-13 | 2013-14 | 2014-15 | 2015-16 |
| Refresher courses | 02 | 06 | 03 | 02 | 01 |
| HRD programmes | - | | - | - | - |
| Orientation programmes | 01 | 02 | 02 | 02 | - |
| Staff training conducted by the university | - | | - | - | - |
| Staff training conducted by other | - | - | - | - | - |
| Summer / winter schools, workshops, etc. | - | - | 01 | 01 | 06 |

The institution always stretches helping hand towards those faculties, opting for professional development. The college readily grants the faculties study leave for such activities. It not only allows but inspires them to take part in national and international conferences, seminars and training programmes and so on.

Table 2.4.4: Faculties participated in different faculty development programmes in the last five years (2011-16)

(OP-Orientation Programme, RC- Refresher Course, WS-Winter School)

| Session | Department | Name of the Faculty | Type of Programme |
|----------------|--|---|--|
| 2011-12 | Zoology Sanskrit History | Angshuman Chanda Geetanjali Tripathy Shyamapada Shit | OP RC RC |
| 2012-13 | History Bengali History Political Science Philosophy Bengali Bengali Philosophy | Shyamapada Shit Sujoy Maity Mita Biswas Parikshit Thakur Sandhya Nandi Bipul Mandal Saradabrata Laha Sanchita Kabi | OP OP RC RC RC RC RC RC |
| 2013-14 | Music Bengali English Zoology Physics | Sujata R Manna Sujit Mandal Debjani Mukherjee Angshuman Chanda Arjun Mukhopadhyay | OP and WS OP RC RC RC |

| Session | Department | Name of the Faculty | Type of Programme |
|---------|-------------------|---------------------|-------------------|
| 2014-15 | Sanskrit | Geetanjali Tripathy | OP |
| | English | Bibhas Chand | OP |
| | English | Debjani Mukherjee | RC |
| | Geography | Animesh Roy | RC |
| | Zoology | RupaDasgupta | WS |
| | Economics | Sujata Bera | RC |
| | Chemistry | Mrinal K.Paira | RC |
| 2015-16 | English | Bibhas Chand | WS |
| | Philosophy | Sanchita Kabi | WS |
| | History | Mita Biswas | WS |
| | History | Syama Pada Shit | WS |
| | Sanskrit | Geetanjali Tripathi | WS |
| | Geography | Moumita Maiti | WS |
| | Philosophy | Sandhya Nandi | RC |
| | Political Science | Parikshit Thakur | OP |

b) 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:

Faculty training programmes organized by IQAC and CAC: Two one week long programmes have been organized by IQAC and Career Advancement Centre on teaching and learning methods and computer proficiency in February, 2014.

Handling new curriculum:

Workshop on Revision of Syllabus in Music: 01 in collaboration with V. U. on 20.03.2014, Participants: Teachers of different Colleges along with Teachers of Music Department. Co-chaired by Dr. M. K. Gole, Secretary, U.G., V. U. and Dr. S. K. Samanta, Chairman, BOS in Music, V.U., Expert: Dr. Goutam Nag, HOD, Instrumental Music, Rabindra Bharati Univ., Kolkata.

Content/knowledge management: DBT (workshops and seminars).

Selection, development and use of enrichment materials: Nil

Assessment- i.) Through CAS for Promotion ii) Assessment by the academic report to be submitted annually to the Directorate of Higher Education. ii) by Students

Cross cutting issues: Faculty members participated in a UGC-sponsored on Capacity building of Woman Managers in Higher Education in 2012. Workshops on First aid, Home Nursing in association with Red Cross Society, Midnapore in 2014. Workshops and seminars on gender sensitization issue by Department of Human Rights, Thalassemia awareness by the Department of philosophy.

Audio Visual Aids/ multimedia: Audio/visual aids includes smart classes, projectors, sound system, and internet.

OER's : N.A

Teaching learning material development, selection and use: N.A

c) Percentage of faculty invited as resource persons in Workshops/Seminars/Conferences organized by external professional agencies - 14 %



Graph 2.4.2: Number of teachers participated in Workshops / Seminars / Conferences conducted or recognized by professional agencies



Graph 2.4.3: Presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies

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.).

College aspires to nurture the research aptitude of the faculty. Study leave, research grants, support for research and academic publications are in place to recharge the teachers. They are encouraged to apply for research projects by the research committee to various funding agencies. Dr. Sujata Bera, Assistant Professor, Department of Economics and Dr. Animesh Roy, Assistant Professor, Department of Geography were sanctioned three years and two years leave respectively under Faculty Development Programme from 2011 onwards for completion of their Ph.D. Application of Smt. Debjani Mukherjee, Associate Professor, Department of English has also been forwarded to the UGC for approval after passing through the screening committee for approval of FDP. College provides seed money for initiation of research work by young faculty, research committee and journal committee encourages faculty to publish their work in a regular manner.

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.

Some faculty members of this College have received awards / recognition at the state and national level as noted below:

Table 2.4.5: Awards / recognitions of the faculty

| Name of Faculty | Year | Award/recognition |
|-------------------------------|--------------|---|
| Dr. Partha Pratim Chakraborty | 2014 2014 | Fellow of the Zoological Society. Fellow of the International Congress of Entomology and Zoology Studies, New Delhi. |
| Dr. Kaushik Das | 2014 | Young Scientist award, Physiological Society of India. |
| Dr. Kartik Maity | 2015 | Lifetime achievement award by Indian Institute of Oriental Heritage, New Delhi. |
| Dr. Angshuman Chanda | 2014 | Fellow of International Science Congress Association (FISCA). |
| Dr. Sukumar Mondal | 2013 | Scientist of the year by NESI (National Environment Science Academy, New Delhi). |
| Parikshit Thakur | 2014 | The Charles Wallace India Trust Short Term Research Grants to carry on research in repositories of UK for four weeks. |

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?

Evaluation of teachers has been done by the 3rd Year students since 2006 after their final internal assessment is over, where they can freely assess the performance of teachers of respective departments collectively. The feedback is analyzed by the principal and communicated to the teachers while handing over the feedback forms for introspection and improving teaching process. Statistical analysis of the feedback-results is made and status of individual teacher is scrutinized and corresponded to the concern faculty.

EVALUATION PROCESS AND REFORMS

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

In order to make the students as well as the faculty members of the institution completely aware of every minute detail of the evaluation process, the Academic sub-committee of our institution publishes a notice with all guidelines regarding the commencement of the Internal Assessments at least one month before the examination. A centralized scheduling is done by the Academic sub-committee. Routine and Syllabus of the evaluations are also displayed in the notice boards of each department (to maintain transparency in the method of evaluation).

Again as the Internal Assessment is over, the assessed answer scripts are shown to the students so that they come to know their strengths and their weaknesses and thus they get ample scope to rectify their mistakes and develop their skills prior to their University Examination. We also arrange a Parents'- Teachers' Meeting every year in order to monitor over the progress of every individual student in particular. Mentors also keep a strong watch on the progress of the students. Many departments also arrange 100 marks Preparatory Tests apart from the scheduled Internal Assessments. In this way the students are made prepared for their final exam.

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

To provide the learners ample opportunities of self-rectification and to reduce the panic of examination, Vidyasagar University has introduced the three-tier examination system w.e.f. 2006. The system incorporates in it two methods of evaluation – University Examination at the end of each session and Internal Assessments throughout the session. From the session 2014-2015, our University has brought a noticeable change in the pattern of Internal Assessments. At present two Internal Assessments carrying 10 marks each on each Honours paper and one Internal Assessment on each General paper of all courses are to be held/taken in every session. The marks scored by the students are included in the final result of the students.

As an affiliated college our institute does not enjoy the autonomy to formulate any major evaluation reform on its own. However to supplement the existing system of evaluation Other than the scheduled internal examinations framed by the university, class tests and tutorial evaluations are conducted in different departments. Slow learners are given special attention.

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

As the college is affiliated to Vidyasagar University, it follows the rules and regulations set by the University. The information regarding evaluation reforms is stated in the University Academic Calendar. On the commencement of every academic session, this calendar is circulated to the college by university. The academic calendar is then circulated to every department by the college authority. The students and teachers thus get aware of the evaluation reforms. Our Academic Sub-Committee prepares a schedule of the evaluation process according to the university academic calendar. This process is maintained strictly throughout the college. So, the institution keeps a transparency thorough the whole evaluation process. At the institutional level student attendance and punctuality in attending classes are monitored at monthly basis. Based on which the students are allowed to appear for internal examinations.

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

The formative and summative assessment approaches that are adopted by the institution to measure student achievement are –

Formative assessment of students are made by the teachers on a daily basis as a part of the teaching method by asking questions to determine how much the students have learned and how much they shall have to learn a given topic. Internal Assessments (10 marks in each theoretical paper) also assess the learning stages of the students identifying the slow learners before the final examination. Group discussions and student seminars also play an important part in formative assessment of the students.

Summative evaluation: The students are evaluated at the end of every academic session by the University. The examination pattern is as follows:

Part-I: 2 Honours papers of 100 mark each + 1 General paper of 100 marks, For general stream: 3 general papers of 100 each.

Part-II: 3 Honours papers of 100 marks each + 2 General papers of 100 marks; For general stream: 6 general papers of 100 each (one Practical paper of 100 marks for science stream).

Part-III: 3 Honours papers of 100 marks each + ENVIS paper of 50 marks + 2 Compulsory language papers of 50 marks each. For general stream: 3 general papers of 100 each.

The result of a student is considered holistically at the end of Part–III examination.

Impact can be seen in our results (please see the table below).

Table 2.5.1: Percentage of Students Securing First Class in U.G Programmes

| Pogramme | 2011 | | | 2012 | | | 2013 | | | 2014 | | | 2015 | | |
|-----------------------|------|----|------|------|----|-------|------|----|------|------|----|------|------|----|------|
| | A | I | % | A | I | % | A | I | % | A | I | % | A | I | % |
| Bengali (H) | 61 | 10 | 16.4 | 63 | 11 | 17.6 | 64 | 04 | 6.3 | 60 | 10 | 16.7 | 51 | 08 | 15.7 |
| English (H) | 59 | 00 | 00 | 76 | 00 | 00 | 48 | 03 | 6.25 | 54 | 02 | 3.70 | 59 | 01 | 1.7 |
| History (H) | 48 | 00 | 00 | 38 | 02 | 5.26 | 35 | 00 | 00 | 39 | 01 | 2.56 | 46 | 06 | 13.0 |
| Philosophy (H) | 57 | 07 | 12.3 | 38 | 08 | 21.05 | 35 | 06 | 17.1 | 36 | 03 | 8.33 | 25 | 02 | 8.00 |
| Political Science (H) | 20 | 00 | 00 | 16 | 00 | 00 | 17 | 01 | 5.89 | 11 | 01 | 9.10 | 13 | 00 | 00 |
| Geography (H) | 46 | 08 | 17.4 | 44 | 01 | 2.27 | 50 | 01 | 2.00 | 57 | 00 | 00 | 51 | 00 | 00 |

| Pogramme | 2011 | | | 2012 | | | 2013 | | | 2014 | | | 2015 | | |
|----------------------------|------|----|-------------|------|----|--------------|------|----|-------------|------|----|-------------|------|----|-------------|
| | A | I | % | A | I | % | A | I | % | A | I | % | A | I | % |
| Economics (H) | 02 | 00 | 00 | 05 | 00 | 00 | 03 | 01 | 33.3 | 02 | 01 | 50.0 | 03 | 01 | 33.3 |
| Sanskrit (H) | 47 | 06 | 12.8 | 44 | 15 | 34.10 | 48 | 08 | 16.7 | 47 | 12 | 25.5 | 49 | 21 | 42.9 |
| Music (H) | 16 | 05 | 31.3 | 08 | 03 | 37.5 | 11 | 02 | 18.2 | 14 | 05 | 35.7 | 11 | 03 | 27.3 |
| Botany (H) | 17 | 01 | 5.9 | 15 | 02 | 13.3 | 24 | 03 | 12.5 | 19 | 03 | 15.8 | 22 | 07 | 31.8 |
| Chemistry (H) | 31 | 08 | 25.8 | 26 | 08 | 30.8 | 19 | 05 | 26.3 | 18 | 04 | 22.2 | 22 | 04 | 18.2 |
| Computer Science(H) | 25 | 07 | 28.0 | 18 | 03 | 16.7 | 05 | 04 | 80.0 | 14 | 05 | 35.7 | 18 | 09 | 50.0 |
| Microbiology (H) | 08 | 04 | 50.0 | 11 | 05 | 45.5 | 13 | 07 | 53.9 | 15 | 08 | 53.3 | 15 | 03 | 20.0 |
| Mathematics (H) | 27 | 03 | 11.1 | 36 | 09 | 25.0 | 42 | 06 | 14.3 | 42 | 17 | 40.5 | 48 | 05 | 10.4 |
| Nutrition (H) | 34 | 21 | 61.8 | 31 | 19 | 61.3 | 28 | 25 | 89.3 | 34 | 24 | 70.6 | 43 | 23 | 53.5 |
| Physics (H) | 15 | 09 | 60.0 | 22 | 10 | 45.5 | 18 | 11 | 61.1 | 25 | 14 | 56.0 | 24 | 10 | 41.7 |
| Physiology (H) | 13 | 02 | 15.4 | 13 | 05 | 38.5 | 15 | 06 | 40.0 | 24 | 05 | 20.8 | 36 | 06 | 16.7 |
| Zoology (H) | 17 | 03 | 17.6 | 25 | 08 | 32.0 | 25 | 09 | 36.0 | 21 | 07 | 33.3 | 33 | 08 | 24.2 |

*A-Appeared I-1st Class

Details on the significant improvements made in ensuring rigor and transparency in the internal assessment and weightages assigned for the overall development of the students. (Weighthages for behavioural aspects, independent learning, communication skills etc.)

The graded process of examinations already firmly in place ensures rigor and transparency.

- The monitoring of the student attendance and debarring the irregular students from appearing in internal assessments has made a positive impact.
- The College has in place a very thorough invigilation mechanism.
- UG and PG level scripts are assessed by several teachers ruling out any possibility of

under/ over marking.

- The evaluated scripts are shown to the students to make them aware about their shortcomings.
- PG department has in place a system of evaluation by external examiners ensuring rigor and transparency in assessment.
- Additionally the Academic Committee plays a very constructive role to ensure complete integrity in the process.
- College has to abide by the evaluation system framed by the university and has no scope for giving weightage in the evaluation process for behavioral aspects or communication skills.

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

Vidyasagar University, Midnapore has specified that a student has to obtain minimum of 40% marks in his/her Honours subject at the end of the course in order to be a Honours Graduate and at least 30% of marks in order to be a Pass Graduate. Failing to obtain the pass marks, the student has to reappear in the same examination. The university norms for eligibility of students to appear in the final examinations are also based on the attendance of the students. The college on its own have specified certain attributes for its students, such as regularity and punctuality, discipline in the college campus and participation in the different co curricular activities to determine the overall progression of the students.

The Internal Quality Assessment Committee (IQAC) plays a crucial role to ensure the attainment of the graduate attributes by the students:

- The progress of a student is monitored through class tests, home assignment and seminars.
- As mentioned above regularity and punctuality is ensured by student attendance and penalizing those who are found to be habitually irregular in attending classes. The college provides incentives to the students in a department securing highest marks in their previous examination. Moreover each department felicitates their best student in the college Foundation Day.
- It has upgraded the MIS system of smart college software for keeping a database information about the students.
- It has established photocopier for students to make photocopy of their documents.
- It has established language laboratory to improve the skills of communicative English.

What are the mechanisms for redressal of grievances with reference to evaluation both at the college and university level

- Our college has already formed a Grievance Redressal Cell. If at any point of time during the course a student finds herself not happy with the evaluation of her answer script, she is free to relate all her grievances to the Head of the concerned department. Now if the accusation is found justified by the Head of the Department, then he/she informs the concerned teacher. Again if the complaint is against the Head of the Department, then it can be forwarded to the Grievance Redressal Cell which takes the necessary steps immediately. Complaint Box for students are placed at different places in the college campus.
- The college is affiliated to Vidyasagar University, Midnapore, it follows the rules and regulations set by the University. In case the grievance is against the evaluation of answer scripts of University Examination, the photocopy of the answer-script is issued to the student on demand under R.T.I Act through the college.
- Re-examination of answer-script is also done on demand of students through the college.

STUDENT PERFORMANCE AND LEARNING OUTCOME

Does the college have clearly stated learning outcomes? If _yes_, give details on how the students and staff are made aware of these?

The College has always focused on the nurturing and development to a complete woman. Students are provided with the opportunities required to identify and develop their inherent qualities to help them flourish as complete human beings and take on the role of responsible and sensitive global citizens. Emphasis is laid on the historical and cultural heritage of India, nurturing such values in education that can inculcate a sense of patriotism among the students and bring them up as conscious and self-reliant citizens of the country. The college has clearly declared its mission in its prospectus as well as in college web site. Students are encouraged to participate in different cultural competitions and sports events both in college and university level. Students are also motivated to enhance their extracurricular activities, such as academic debate, extempore, quiz etc. Special awareness programmes on gender sensitivity is carried out.

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.

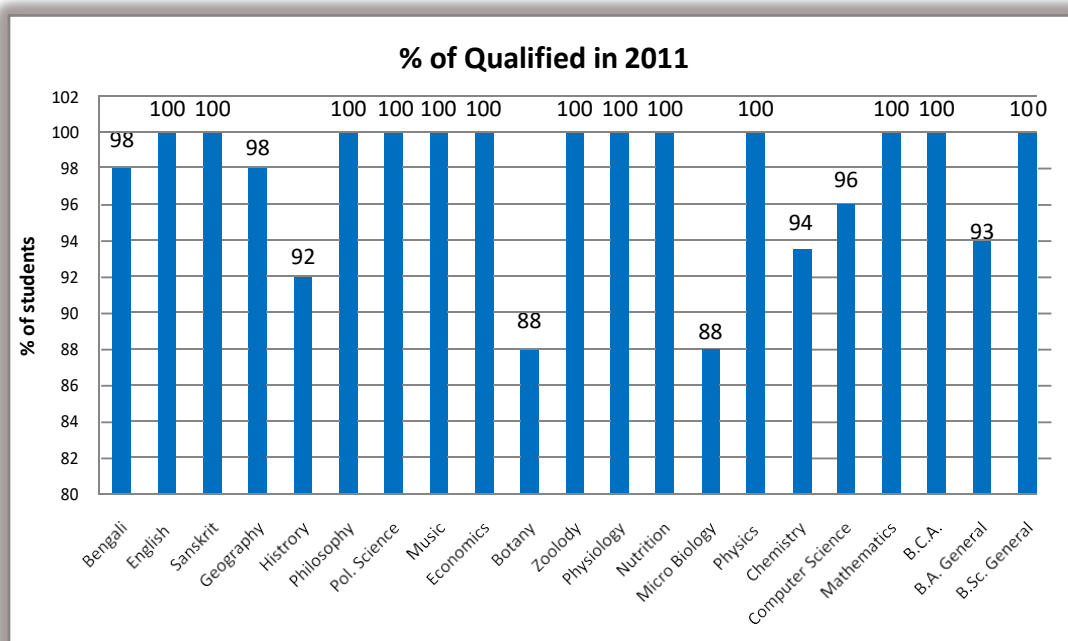
All the departments maintain a register book to record the annual as well as internal assessment progress of the students. After each internal examination, results are displayed on the departmental notice boards and university examination results are published in the annual report of the college. Teachers discuss with the students their performance and the way to improve further. On the occasion of Foundation Day, Principal announces students' performance and learning outcomes to motivate the present students. Special prizes are given to the students for their excellent performance which inspire the running students. In Academic Sub-Committee meetings, systematic analysis of the students' performances is discussed in regular basis for further improvement.

Table 2.6.1: Comparison of pass percentage of students in college and university (2012-2015)

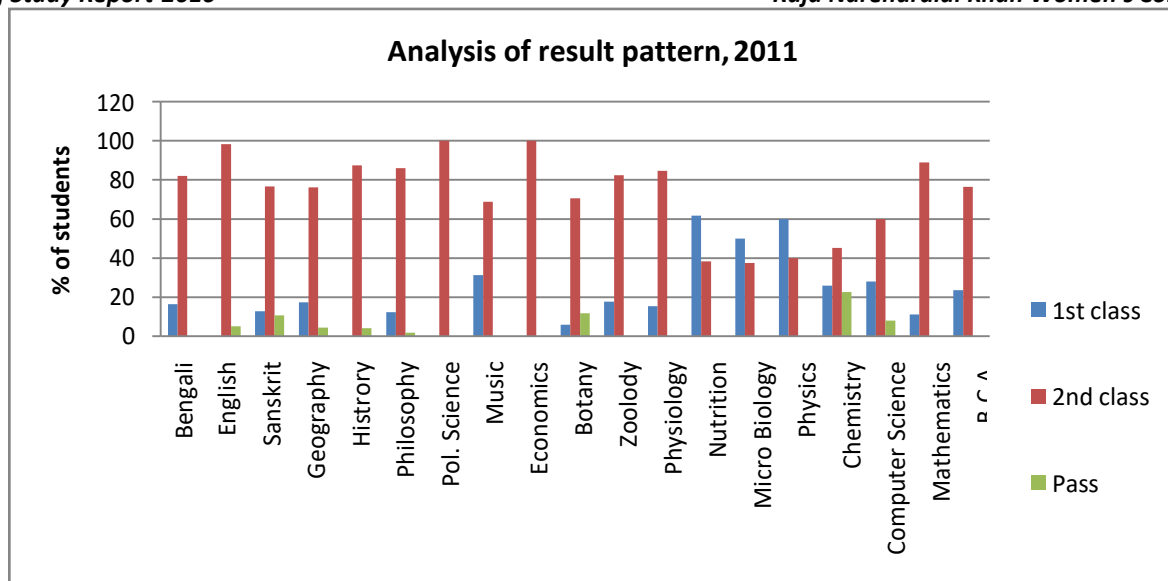
| Subject | College pass Percentage | University Pass Percentage | College pass Percentage | University Pass Percentage | College pass Percentage | University Pass Percentage | College pass Percentage | University Pass Percentage |
|--------------|-------------------------|----------------------------|-------------------------|----------------------------|-------------------------|----------------------------|-------------------------|----------------------------|
| | 2012 | | 2013 | | 2014 | | 2015 | |
| Bengali | 100 | 97.6 | 100 | 98.1 | 98.3 | 97.8 | 100 | 97.4 |
| English | 96.0 | 97.2 | 100 | 97.6 | 100 | 96.9 | 100 | 96.8 |
| Sanskrit | 97.7 | 94.3 | 89.5 | 93.9 | 100 | 97.5 | 100 | 95.6 |
| History | 100 | 94.2 | 100 | 95.7 | 100 | 97.4 | 100 | 96.0 |
| Pol. Science | 93.7 | 92.7 | 94.0 | 94.8 | 90.9 | 97.4 | 100 | 94.7 |
| Philosophy | 97.3 | 91.9 | 88.5 | 96.2 | 94.4 | 96.0 | 100 | 94.1 |
| Economics | 100 | 96.1 | 66.6 | 96.0 | 100 | 95.2 | 100 | 50.0 |
| Music | 100 | 95.1 | 100 | 100 | 100 | 100 | 99.9 | 98.4 |
| Geography | 93.1 | 93.0 | 97.9 | 95.3 | 98.2 | 94.7 | 100 | 93.9 |
| Physics | 100 | 100 | 100 | 95.2 | 100 | 97.6 | 100 | 100 |
| Chemistry | 100 | 93.3 | 100 | 93.8 | 100 | 93.9 | 86.0 | 90.2 |

| Subject | College pass Percentage | University Pass Percentage | College pass Percentage | University Pass Percentage | College pass Percentage | University Pass Percentage | College pass Percentage | University Pass Percentage |
|--------------------|-------------------------|----------------------------|-------------------------|----------------------------|-------------------------|----------------------------|-------------------------|----------------------------|
| Mathematics | 100 | 96.6 | 100 | 95.9 | 97.6 | 95.5 | 95.8 | 95.4 |
| Computer Science | 100 | 99.1 | 100 | 97.06 | 100 | 96.4 | 100 | 98.9 |
| Zoology | 100 | 95.1 | 96.0 | 91.7 | 100 | 87.2 | 93.9 | 89.9 |
| Botany | 86.6 | 85.5 | 91.6 | 89.5 | 84.2 | 81.7 | 90.9 | 85.3 |
| Physiology | 1000 | 96.7 | 100 | 100 | 100 | 99.0 | 100 | 97.0 |
| Nutrition | 100 | 100 | 100 | 99.3 | 100 | 99.3 | 100 | 99.4 |
| Microbiology | 100 | 100 | 100 | 97.4 | 100 | 100 | 100 | 93.8 |
| Physical Education | 100 | 100 | 100 | 100 | 100 | 99.0 | 100 | 100 |
| Human Rights | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Hindi | 100 | 100 | 100 | 97.7 | 100 | 96.9 | 100 | 100 |

The results of 2011 shows that thirteen subjects like English, Music, Economics, Philosophy, Political Science, Sanskrit, Zoology, Physiology, Nutrition, Physics, Chemistry, Mathematics and B.C.A. had achieved 100 percent success. While other subjects have attained nearly 90 percent success (**Graph 2.6.1**). In this year, more than 50% of honours students of Nutrition, Microbiology and Physics departments achieved first class (Graph 2.6.2).

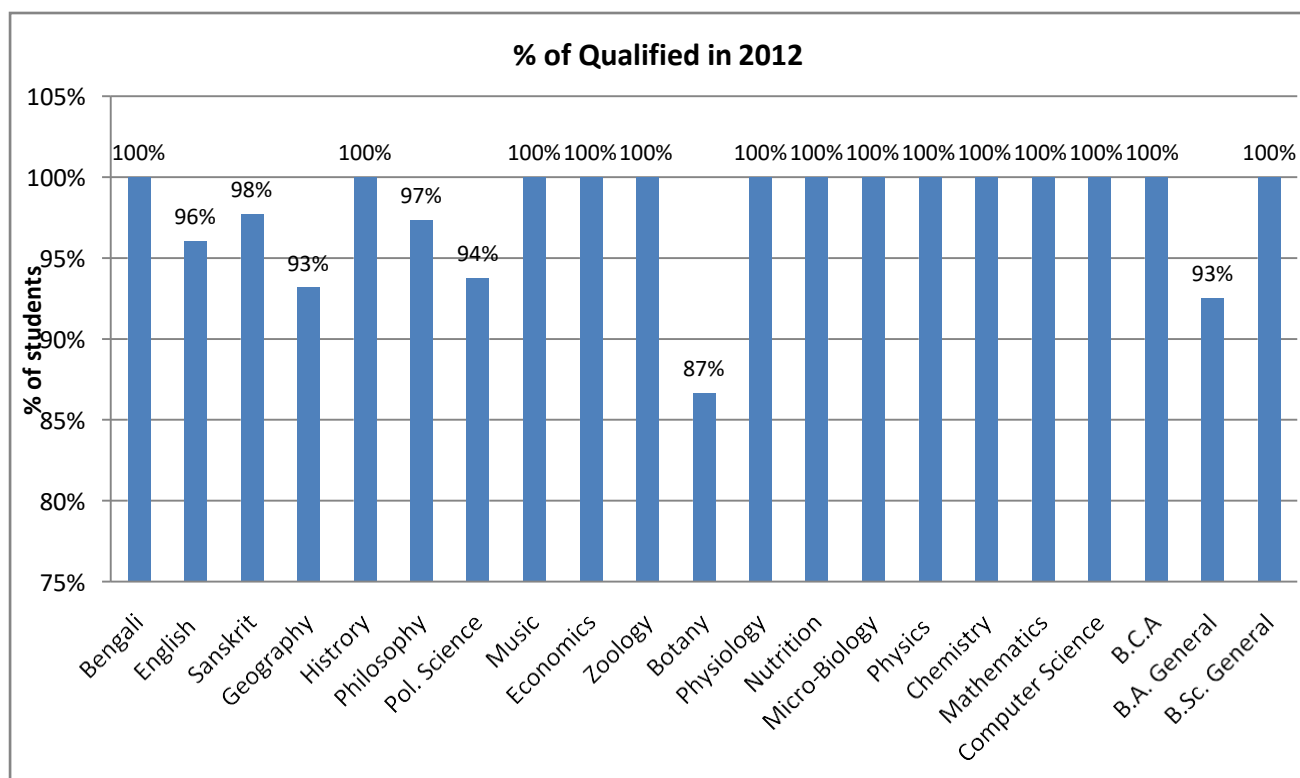


Graph 2.6.1: Pass Percentage in different subjects in 2011



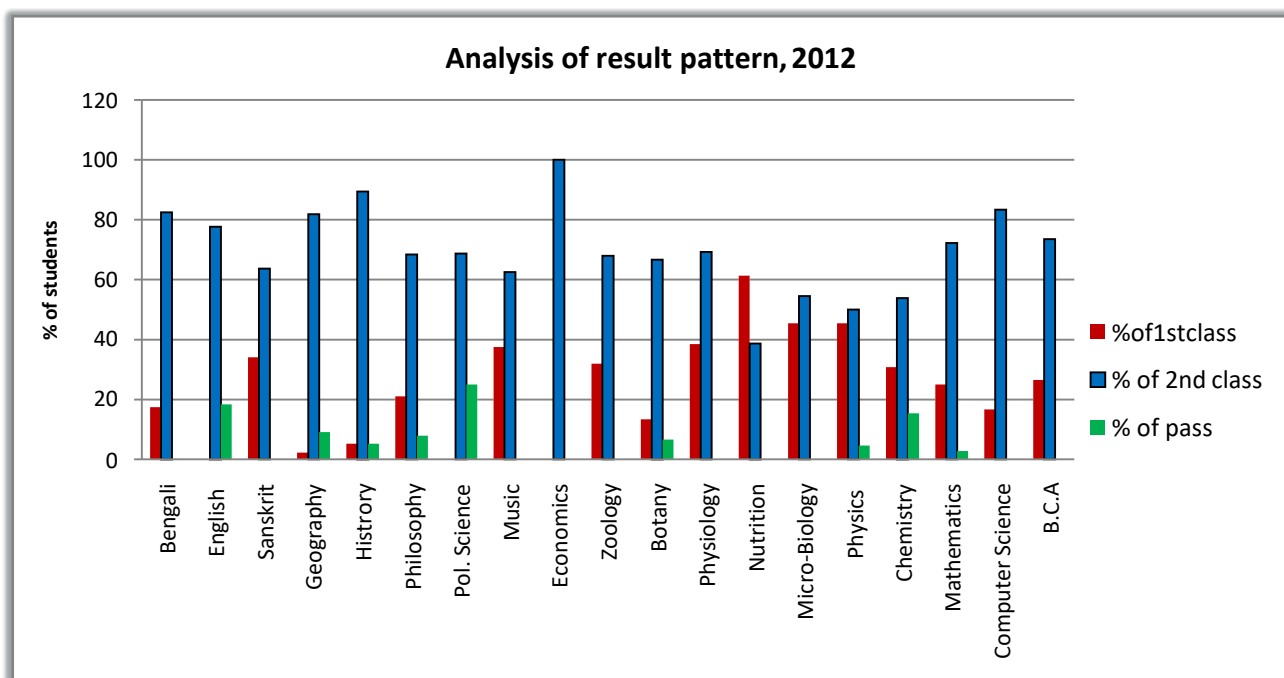
Graph 2.6.2: Analysis of result pattern (2011)

The results of 2012 shows that thirteen subjects like Bengali, History, Music, Economics, Zoology, Physiology, Nutrition, Microbiology, Physics, Chemistry, Mathematics, B.C.A. and Computer Science had achieved 100 percent success. While other five subjects like English, Sanskrit, Geography, Philosophy and Political Science had attained more than 90 percent success (Graph 2.6.3). In this year, more than 40% of honours students of Nutrition, Micro-Biology and Physics departments achieved first class (Graph 2.6.4).

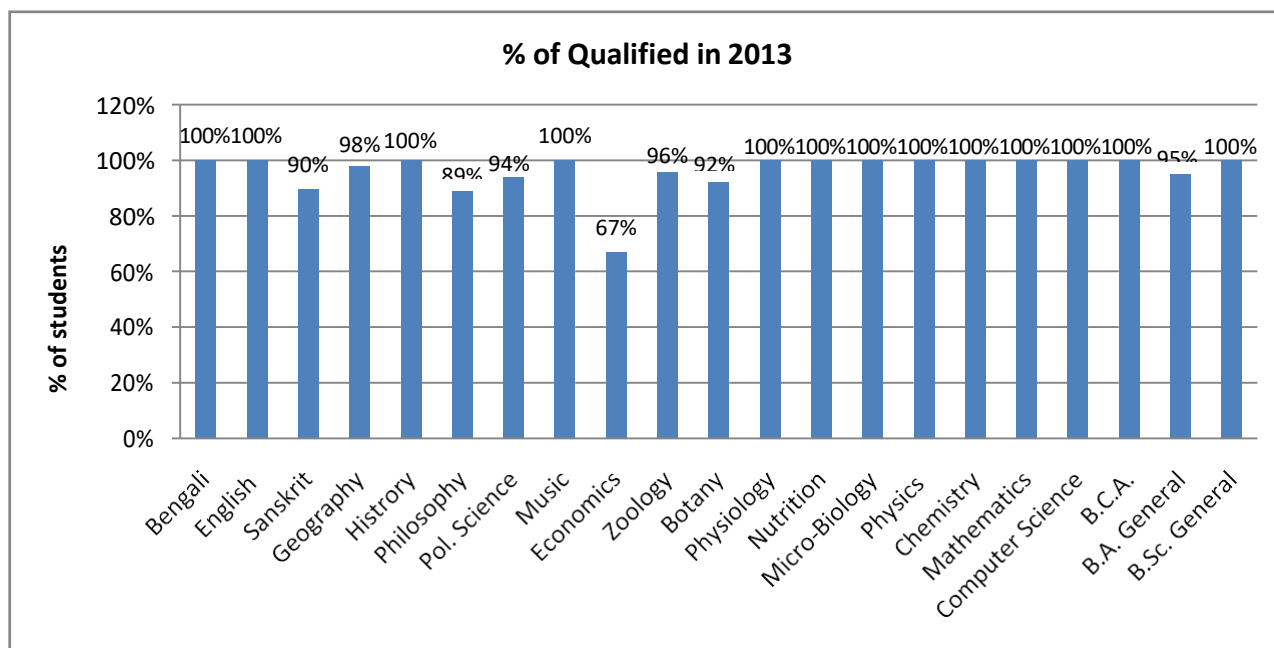


Graph 2.6.3: Pass Percentage in different subjects in 2012

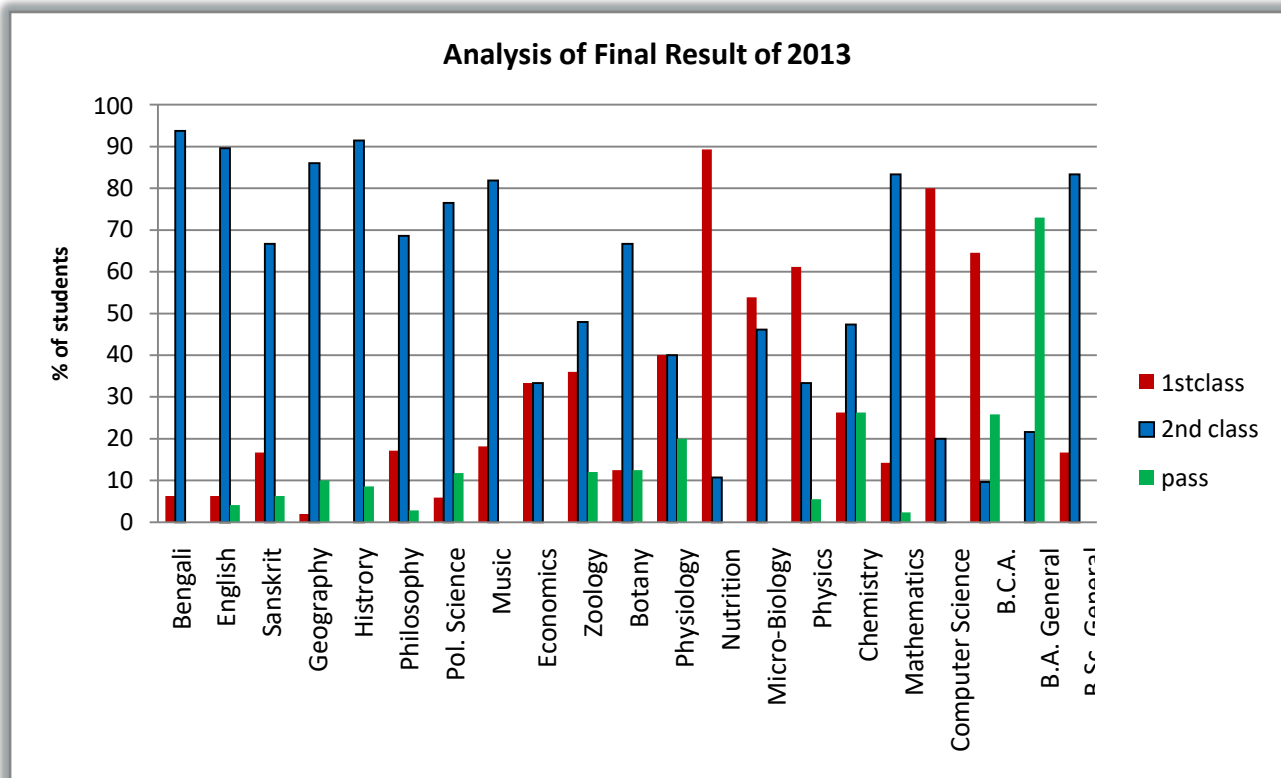
In 2013, twelve subjects like Bengali, English, History, Music, Physiology, Nutrition, Microbiology, Physics, Chemistry, Mathematics, B.C.A. and Computer Science made 100 percent success (Graph 2.6.5). The detail scrutiny of final results of 2013 reveals that, more than 40% of the Honours students of the subjects like Physiology, Nutrition, Computer Sc., Physics, B.C.A. and Micro-Biology obtained first class (Graph 2.6.6).



Graph 2.6.4: Analysis of Result (2012)

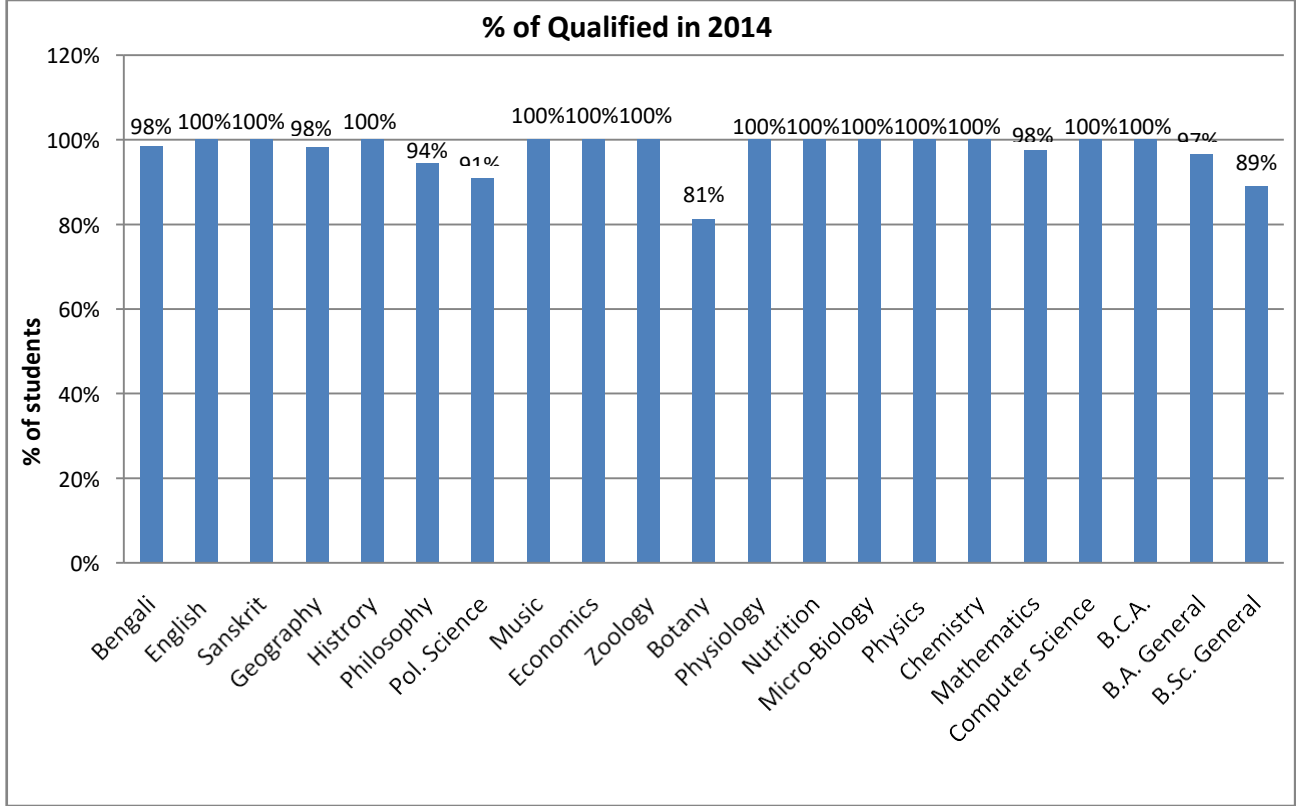


Graph 2.6.5: Pass Percentage in different subjects in 2013

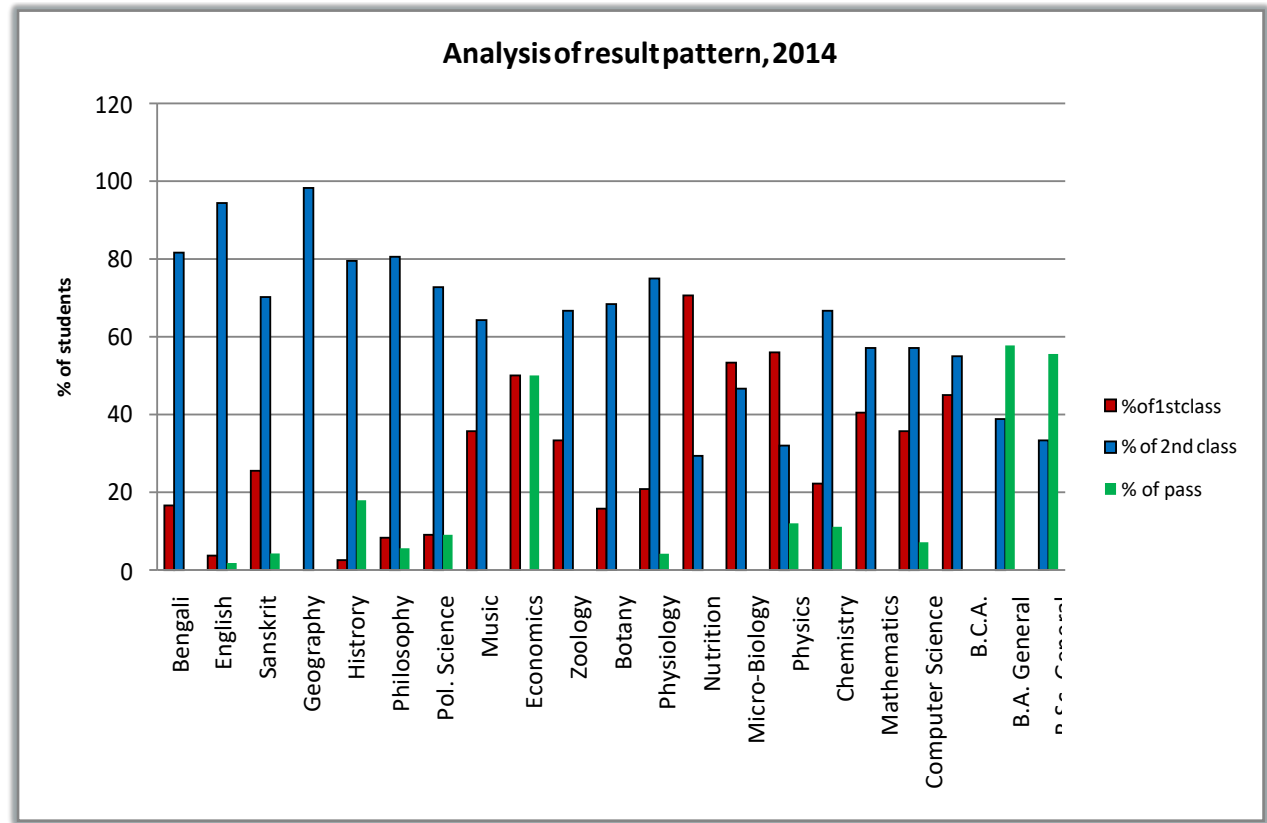


Graph 2.6.6: Analysis of Result (2013)

The final result of 2014 exhibits much improvement. In this year fifteen subjects like Bengali, English, Sanskrit, Geography, History, Philosophy, Political Science, Economics, Computer Science, B.C.A., Microbiology, Nutrition, Physics and Physiology achieved 100 percent success rate (Graph 2.6.7). Simultaneously the subjects like Nutrition, Microbiology, Physics, Mathematics and B.C.A. have more than 40% of students who score 1st class (Graph 2.6.8).



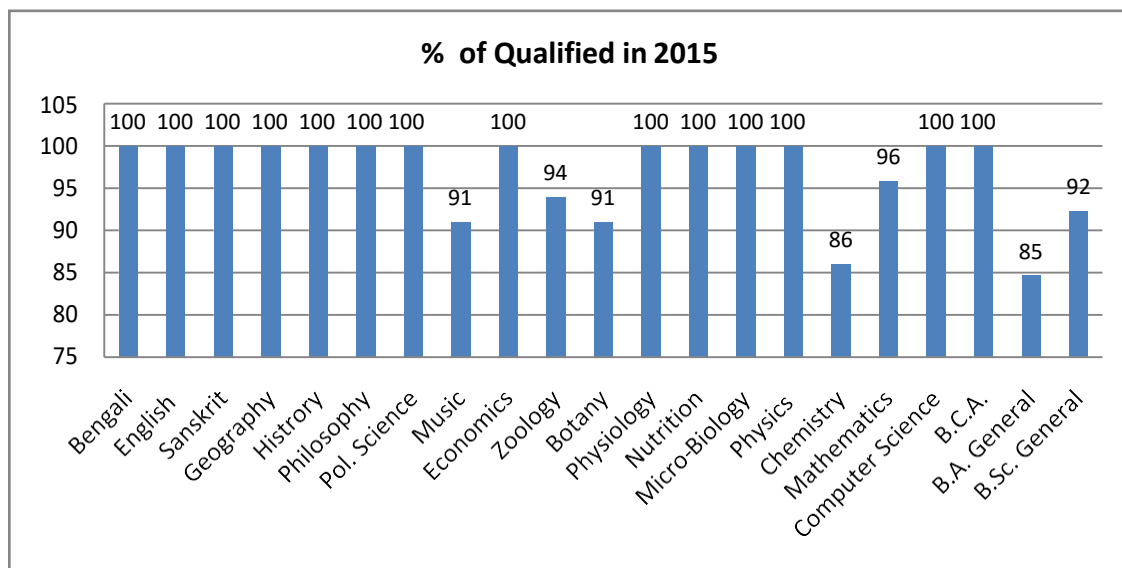
Graph 2.6.7: Pass Percentage in different subjects in 2014



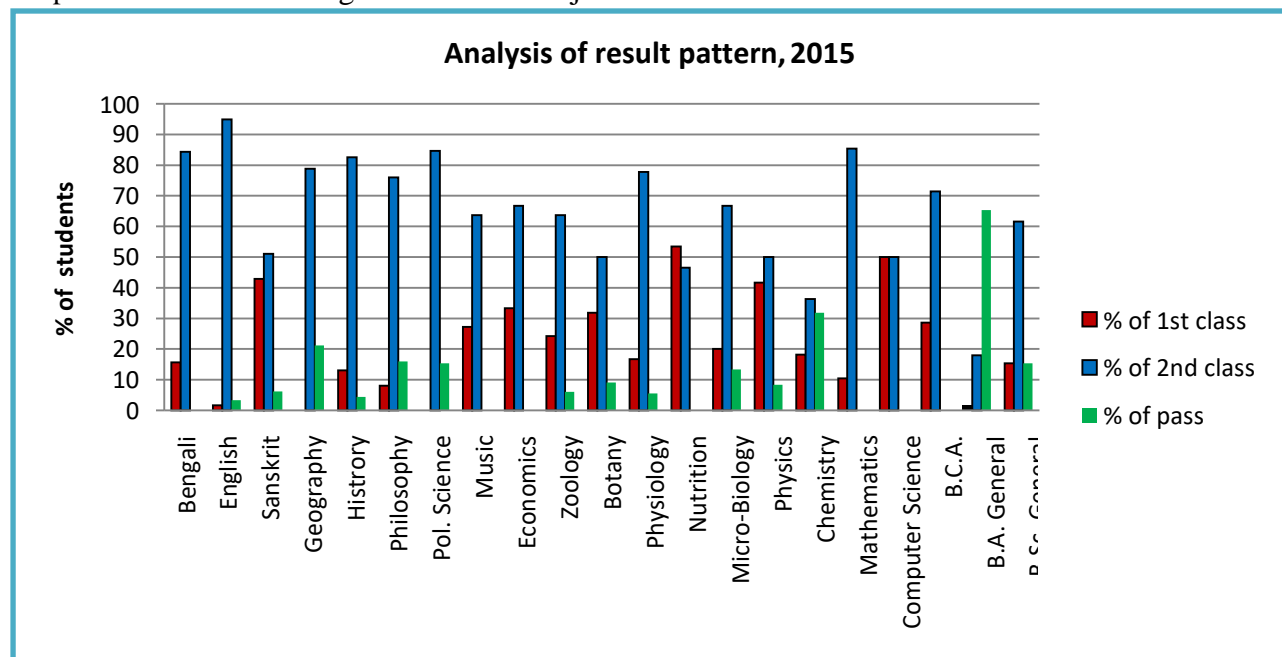
Graph 2.6.8: Analysis of Result (2014)

In the year 2015 fourteen subjects like Bengali, English, Sanskrit, Geography, History, Philosophy, Political Science, Economics, Physiology, Nutrition, Microbiology, Physics, B.C.A.

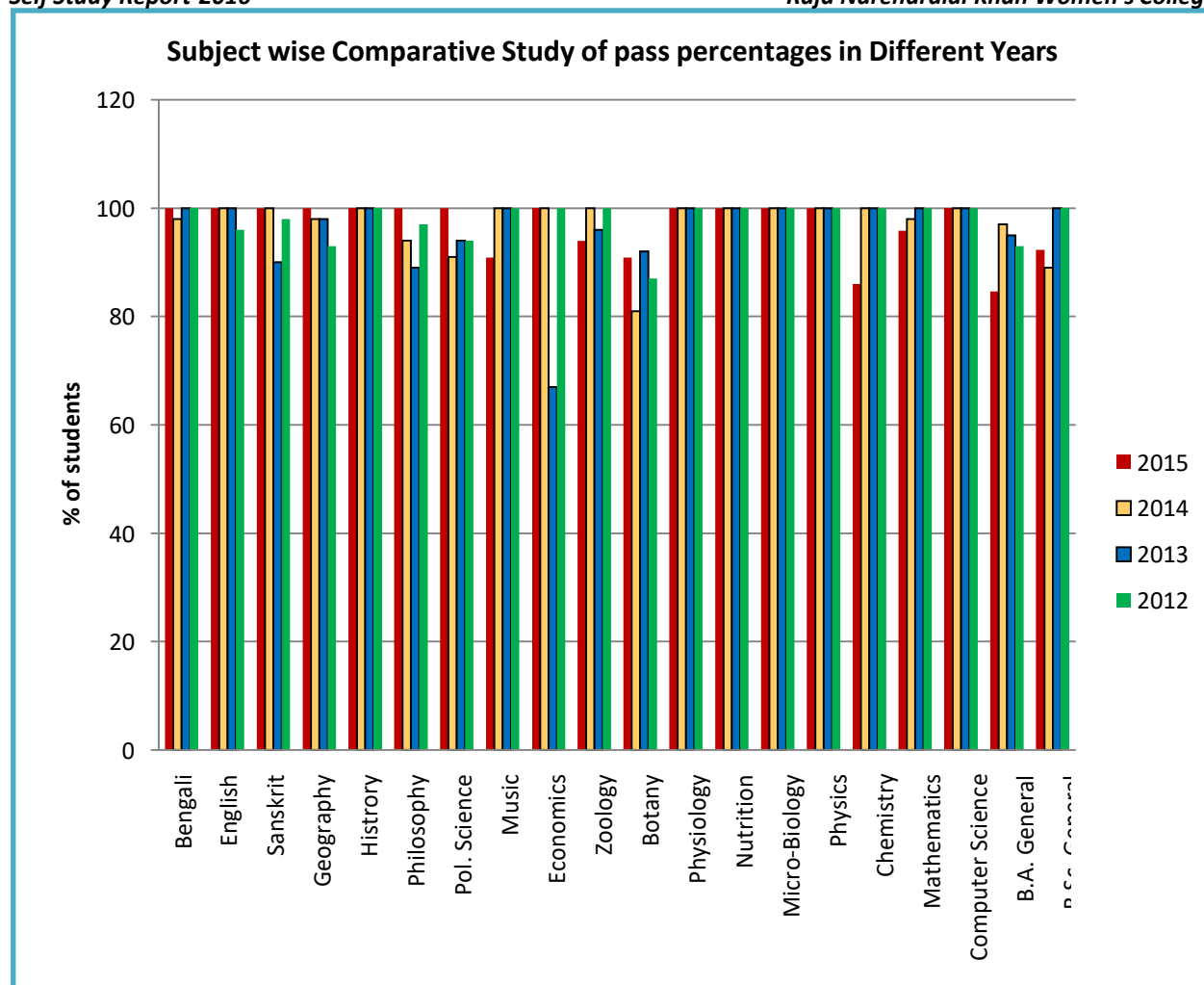
and Physiology recorded 100percent of success in the final exam (Graph 2.6.9). More than 40% of students in the subjects like Sanskrit, Nutrition and Physics have attained 1st class in the final exam (Graph 2.6.10). The overall assessment of the year 2012 to 2015 shows a continuous progress confirming a constant sign of development. Except few subjects, most subjects confirm 100% of success rate (Graph 2.6. 11). In few subjects, students also got 1st, 2nd or 3rd position in the whole university.



Graph 2.6.9: Pass Percentage in different subjects in 2015



Graph 2.6.10: Analysis of Result (2015)



Graph 2.6.11: Subject wise Comparative Study of pass percentages in Different Years

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

The Institution promotes learning through seminars, project works and practical sessions. The Institution encourages field visits, educational excursions promotes consciousness on conservation of nature and social issues. Students and staff are made aware of these through academic calendar, classroom teaching, interactive sessions, parent-meet and through programmes like the Foundation Day function, Alumnae meet programmes. Assessment strategies are structured by the Academic Sub-Committee following the Vidyasagar University Academic-Calendar. Remedial coaching is run by the concerned teachers of each department in the college especially for the SC, ST and Minority students. Various departments organize special lectures on relevant topics by bringing eminent scholars from other premier institute like IIT, Kharagpur, ISI, Kolkata, Institute of Development Studies Kolkata etc. to give better exposure to the students. Classes are taken with modern computer aided teaching appliances.

Mandatory computer training and spoken English classes are organized to equip our students with employability skills. Co-curricular group activities like NSS, NCC and cultural programmes foster self-development, community service, national integration and accountability towards the society in general.

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

The college has a Training, Counselling and placement cell, of Career Advancement Cell (CAC), which is involved in conduction of preparatory programmes for competitive examinations on holidays and beyond college hours, student counseling, student placements, entrepreneurship development in soft toy, art and craft, ornamental fishery. All science departments and different Arts departments like Geography, Economics, Bengali, Human rights etc carried on dissertation programmes to enhance research aptitudes among the students. Compulsory computer training programme and compulsory communication skill are carried out for both General and Honours courses.

Table 2.6.1: Students of preparatory courses selected in SSC and in Placement drives

| Year | Students selected in SSC from preparatory courses | Students selected through campus placement | Companies visited |
|----------------------------------|---|--|---|
| 2014-15 and till Feb.2016 | Results awaited | 47 3 | Tech Mahindra, Concentrix India, Moven infotech Off campus coordinated with IT sector of WIPRO |
| 2013-14 | 103 | 20 | WIPRO, Tech Mahindra |
| 2012-13 | 74 | 6 | WIPRO, TCS Ignite (off campus) |
| 2011-12 | 155 | 23 | Thermax, WIPRO, Infouniv, Birla Sunlife, Relax Tour and Travel |

How does the institution collect and analyze data on students' performance and learning outcomes and use it for planning and overcoming barriers of learning?

Students' performances and learning outcomes are discussed in the departmental meetings as well as in the meeting of Academic sub-committee chaired by the principal of the college to resolve the barriers and attain significant achievement. Results are analysed are thoroughly discussed and drawbacks are identified to improve performance of the students. Tutorials and remedial classes are arranged to address the same

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

The institution maintains the activities of learning outcome of its students through departmental database and ensures through periodic review at the academic subcommittee meetings where necessary steps are suggested. Tutorial classes are arranged and/or infrastructural and manpower resources are also analysed and necessary steps are taken. The answer scripts of internal assessments are shown to the students to help them to analyse their mistakes. Departments arrange special classes for slow learners.

Does the institution and individual teachers use assessment/evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If yes, provide details on the process and cite a few examples.

The institution does use the evaluation outcome as an indicator for assessing performances of the students. All departments are involved in arranging different academic activities (other than internal assessment) like class test, students' seminar etc to know their progress in the subject. Mentoring process is utilized for continuous scrutinee of achievements of a student and focus on their improvement.

CRITERION III:

RESEARCH, CONSULTANCY AND EXTENSION

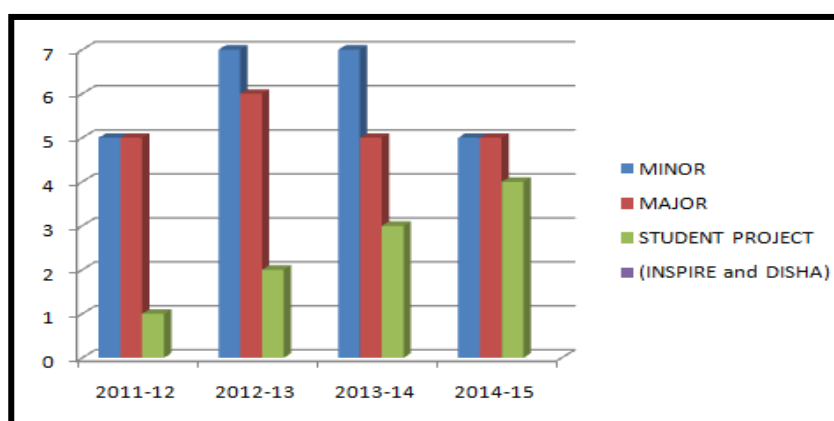
CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION**Promotion of Research**

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

Atleast five departments of Raja N. L. Khan College has well developed research facilities and conducts a number of research projects, and Ph.D work is carried out.

Table 3.1.1: Important Research activities in five departments

| Department | Faculty | Research projects | Project fellow | Registered Ph.D Scholars (ongoing and completed) |
|---|-----------------------|-------------------|----------------|--|
| Physiology And Nutrition and Microbiology | Dr. D K Nandi | 05 | 05 | 10 |
| | Dr. T. Tulsian | 01 | 01 | 01 |
| Zoology | Dr. P. P. Chakravorty | 01 | 01 | 06 |
| | Dr. R. Dasgupta | 02 | 01 | 01 |
| | Dr. A Chanda | 02 | 01 | Nil |
| Mathematics | Dr. B. Mondal | 01 | Nil | 01 |
| | Dr. S. Mondal | 02 | Nil | 02 |



Graph 3.1.1: Major and minor research projects conducted by the institution

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

Yes, the College has a Research Committee formed in accordance with UGC XIIth plan guidelines, representing both the Humanities and Science streams whose composition is as follows:

| | |
|---|-----------------------------|
| 1. Principal | 2. Co-ordinator of IQAC |
| 3. Dr. Partha Pratim Chakraborty – Convenor | 4. Dr. D. K. Nandi |
| 5. Dr. Rina Pal | 6. Dr. Sukla Chakladar |
| 7. Dr. Parul Chatterjee | 8. Dr. Rupa Dasgupta |
| 9. Dr. Swapna Ghorai | 10. Dr. Dulal Chandra Das |
| 11. Dr. Biswajit Mondal | 12. Prof. Debjani Mukherjee |
| 13. Dr. Debashree Sengupta | 14. Dr. Tanusree Tulsian |
| 15. Prof. Gargi Medda | 16. Prof. Parikshit Thakur |
| 17. Dr. Sukumar Mondal | 18. Dr. Sujay Kr. Maiti |
| 19. Dr. Kartik Maiti | 20. Prof. Bibhas Chand |
| 21. Dr. Mrinal Paria | 22. Dr. Angshuman Chanda |
| 23. Dr. Tilak Das | 24. Prof. Koushik Das |
| 25. Prof. Pradip Samanta | 26. Sri Kalachand Dey |
| 27. Sri K. K. Chakraborty | 28. Sri Abinash Sengupta |

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

§ **autonomy to the principal investigator:** Autonomy of the Principal investigator is ensured.

§ **timely availability or release of resources:** Timely availability and release of fund is facilitated.

§ **adequate infrastructure and human resources:** Adequate infrastructural support such as library, modern laboratory is provided.

§ **time-off, reduced teaching load, special leave etc. to teachers:** Special consideration and study leave for teachers persuing research are granted by the Governing Body. In the last four years Dr. R. Dasgupta- Zoology Dr. S. Bera-Economics, Dr. A. Roy-Geography and Dr. T. Tulsian- Physiology has been sanctioned study leave for research.

§ **support in terms of technology and information needs:** Internet and computing facility is available. Central Research facility for Science Departments have been established to facilitate research activities.

§ **facilitate timely auditing and submission of utilization certificate to the funding**

authorities : All support is provided to the Principal Investigator for timely auditing and submission of utilization certificate to the funding authorities.

§ any other : N.A

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

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

- PG students do project work and duly supervised dissertations.
- Student projects for UG students in the subjects of Nutrition, Microbiology, BCA, Computer Science., Human Rights, Economics, Geography, Bengali and PG-Zoology.
- Departmental seminars, student seminars, science based contests, science camps, popular lectures, training programmes and workshops for students and teachers are regularly arranged.
- Workshops on emerging techniques in biosciences and Mathematics conducted from DBT STAR scheme.

Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc.

Table 3.1.2: Research Guidance

| Sl. No. | Name of Guide | Name of Research Scholar / Project fellow | Awarded / Submitted / Ongoing |
|---------|---|---|-------------------------------|
| 01. | Dr. Jayasree Laha Principal | 1) Gadadhar Barman | Awarded |
| | | 2) Swarnali Maity | Submitted |
| 01 | Partha Pratim Chakraborty, Head, UG & PG Section, Dept. of Zoology | 1) Rupa Dasgupta | Awarded |
| | | 2) Sayantani Pattanayak | Submitted |
| | | 3) Monalisha Sinha | Submitted |
| | | 4) Sk. Asraful Haque | Awarded |
| | | 5) Somanka Sanyal | Ongoing |
| | | 6) Sujoy Maity | Ongoing |
| 02. | Dr. Dilip Kr. Nandi, Associate Professor, Head of the Department of Physiology. | 1) Arpita Mondal | Awarded |
| | | 2) Koushik Das | Awarded |
| | | 3) Suchismita Roy | Ongoing |
| | | 4) Arpita Patra | Ongoing |
| | | 5) Sraboni Pradhan | Ongoing |
| | | 6) Sreya Mondal | Ongoing |
| | | 7) Animesh Samanta | Ongoing |
| | | 8) Diniel Paul | Awarded |
| | | 9) Ujjwal Mollah | Awarded |
| | | 10) Soumi Chakraborty | Ongoing |

| Sl. No. | Name of Guide | Name of Research Scholar / Project fellow | Awarded / Submitted / Ongoing |
|---------|--|---|-------------------------------|
| 03 | Dr. Biswajit Mondal, HOD of Maths | 1) Dipankar Sadhukha | Awarded |
| | | | |
| 04 | Dr. Dulal Chandra Das, Associate Professor and HOD of Botany | 1) Monika Das | Ongoing |
| | | 2) Somnath Dey | Ongoing |
| | | 3) Maniklal Pati | Ongoing |
| | | 4) Ghanashyam Mahata | Ongoing |
| | | | |
| 05. | Dr. Tanusree Tulsian, Assistant Professor, Dept. of Physiology | 1) Ankita Das | Ongoing |
| | | | |
| 06. | Dr. Sukumar Mondal, Associate Professor, Dept. of Mathematics | 1) Tarasankar Pramanik | Ongoing |
| | | 2) Sambhu Charan Barman | Ongoing |
| | | 3) Biswanath Jana | Ongoing |
| | | | |
| 07. | Dr. Angshuman Chanda, Assistant Professor, Dept. of Zoology | 1) Smt. Bidisha Pal | Ongoing |
| | | | |
| 08. | Dr. Anita Saha, Associate Professor, HOD, Dept. of Bengali | 1) Amit Kr. Das | Ongoing |
| | | 2) Barun Shit | Ongoing |
| | | | |
| 09. | Dr. Sujoy Kr. Maity, Assistant Professor in Bengali | 1) Chitali Maity | Ongoing |
| | | 2) Chandana Bangal | Ongoing |
| | | | |
| 10. | Dr. Rupa Dasgupta, Assistant Prof., Dept. of Zoology | 1) Prasanta Mondal | Ongoing |
| | | 2) Srayashi Mollick | Ongoing |

For details of Research Projects, please refer table 3.2.1 in question 3.2.7

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.

Table 3.1.3: Details of workshops/ training programmes/ sensitization programmes conducted/organized by the institution

| Sl. No. | Title of the Workshop / Training Programme | Date | Department | Eminent scientists/academicians |
|---------|---|----------|--------------------------------|--|
| 1. | Rabindranath : Amader Sanskrit Uttaradhikar | 29.08.11 | Bengali & Music, Collaboration | Dr. Karuna Shindhu Das, V.C., Rabindra Bharati University. |

| Sl. No. | Title of the Workshop / Training Programme | Date | Department | Eminent scientists/academicians |
|---------|--|---------------------|--|--|
| 3. | Prospective of Snake Venom & genetic disorder | 10.09.11 | Microbiology & Nutrition | Prof. Debidas Ghosh, Professor, VU Prof. Antony Gomes, Professor VU Prof. Subir Ch. Dasgupta, Professor, Moulana Ajad College |
| 4. | Bartaman Juge Archaya Profulla Chandra Roy-er Prasangikata | 19.09.11 | Chemistry | Prof. Sukumar Maity, Former Professor, IIT Prof. Amalendu Ghosal, Associate, Professor, Midnapore College |
| 5. | 5 day long Entrepreneurship Development Workshop on Ornamental Fish Culture | 20.09.11 - 24.09.11 | Zoology | Dr. Uttam Laha, Scientific Officer, Govt. of WB. |
| 6. | Save the Girl Child | 03.03.12 | Philosophy collaboration with Health Dept. Govt. of W.B. | Dr. Sabitendra Patra, Chief Medical Officer, Midnapore Medical College, Dr. Tapan K Dey, Associate Professor, VU Dr. Pravat Mishra, Professor, VU. |
| 7. | UGC sponsored Programme for differently abled people | 18.02.12 | HEPSN unit in this college | Dr. Sarbesh Sengupta, MO, SSKM Dr. Ashish Kumar Ghosh, MO, SSKM. |
| 8. | UGC sponsored Workshop on opportunity in Higher Education and career for general graduate and post graduate students | 23.02.12 & 24.02.12 | CAC in this college | Prof. Anilava Kaviraj, Professor, KU Dr. M Ghosh, Deptt. Film Study, Ju Dr. D Ghosh, Professor, VU. |
| 9. | UGC sponsored National Seminar | 17.03.12 & 18.03.12 | Zoology, Botany, Physiology, Microbiology & Nutrition | Dr. Madhavan Nair, Deputy Director, ICMAR Prof. Tanmoy Bhattacharya, Professor, VU Dr. Dhuryati Majumdar, Scientist, DRDO. |
| 10. | Workshop on preparation of people biodiversity register of Midnapore Municipal Area | 25.04.12 | Botany | Dr. Anirban Roy, Research Officer, WBBDB. |

| Sl. No. | Title of the Workshop / Training Programme | Date | Department | Eminent scientists/academicians |
|---------|--|-------------------------------|-------------|---|
| 11. | UGC sponsored workshop on sensitivity awareness / motivation | 16.07.12 - 20.07.12 | College | Prof. Sumita Manna, VC, Shidhu Kanu Virsa University, Prof. Padma Rama Chandan, Former VC, MS University Prof. Sarbani Chowdhuri, Professor, KU |
| 12. | Workshop on spoken Sanskrit | 01.08.12 - 10.08.12 | Sanskrit | Acharya Swapan Kumar Chakraborty, Lok Bhasa Prachar Samity, |
| 13. | The Gita in Present Life | 11.08.12 | Sanskrit | Dr. Pravat Kumar Mishra, Professor, VU Dr. Bhaskar Nath Bhattacharya, Professor, Rabindra Bharati |
| 14. | Design & analysis of Graph Algorithm | 13.08.12 & 14.08.12 | Mathematics | Prof. G. P. Bhattacharjee, Professor, IIT Prof. R.K. Pal, Professor, CU Prof. Madhumangal Pal, Professor, VU Dr. Sk. Md. Abu Nayem, Associate Professor, Alia University. Prof. Nanda Dulal Bairagi, ISI, Kolkata Prof. Tapan Kar, Associate Professor, ISET |
| 15. | Sikshya Khetre Upekhita Bisay - Sangeet | 13.08.12 | Music | Dr. S. Samanta, Dr. S. Roy Manna |
| 16. | Special lecture series —Enin-Rosa debate on party and —Satlin – Trotsky debate on socialism on one country | 06.09.12, 03.10.12 & 08.03.13 | Pol. Sc. | Prof. Shovan Lal Dutta Gupta, Professor, CU, Prof. Partha Pratim Basu, Professor, JU Prof. Debasis Chakraborty, Professor, VU |
| 17. | On importance of Vedas in present life | 22.03.13 | Sanskrit | Dr. A. Mishra, Vidyasagar University |
| 18. | Prama | 14.03.13 | Philosophy | Prof. D. N. Tewari, BHU. |
| | Syllabus and scope of employment | 27.07.13 | Music | Mr. Kanan Bhattacharyya, Dr. M.K. Gole, Dr. Goutam Nag |
| 19. | Samskrtabhasayah prajoyaniyata | 07.09.13 | Sanskrit | Dr. Ajoy Kumar Mishra, VU |

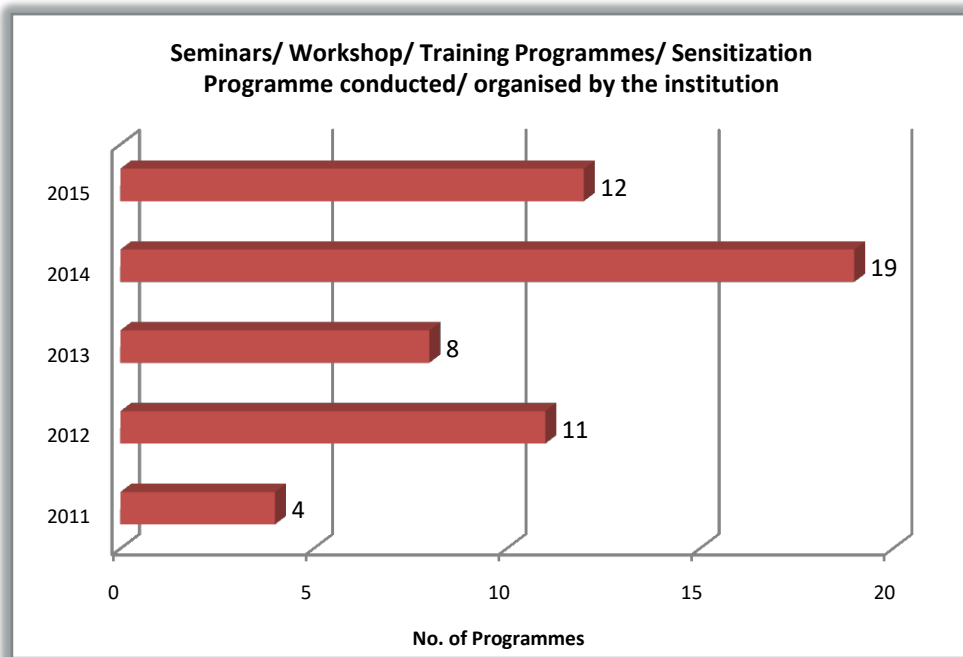
| Sl. No. | Title of the Workshop / Training Programme | Date | Department | Eminent scientists/academicians |
|---------|---|-----------|---|---|
| 20. | Oration lecture on PSI | 21.09.13 | Physiology | Dr. Tania Das, Associate Professor, Bose Institute, Kokata. |
| 21. | Bangladesher Muktijudhe Nari | 2-12-2013 | History | Prof. Tanveer Nasrin, Associate Professor, Burdwan University. |
| 22. | Observation of Human rights day | 10-12-13 | Department of Human rights | C. Alam Gupta, Senior Advocate, Kolkata Highcourt. |
| 23. | Towards a barrier free society | 20.12.13 | Equal opportunity centre | Dr. Tapan Kr. De, Associate Professor, VU. |
| 24. | Lok sangeet ekti anusandhan | 04.03.14 | Music | Mr. Kanan Bhattacharyya, Dr. M.K. Gole, Dr. Goutam Nag |
| 25. | Plant metabolites as renewable chemicals for a sustainable future | 07.03.14 | Chemistry | Prof. (Dr.) Broja Gopal Bag, Associate Professor, VU. |
| 26. | Workshop on revision on syllabus (UG Level) | 20.03.14 | Music | Dr. Goutam Nag, Professor, Rabindra Bharati Dr. M.K. Gole, Secretary UG, VU. |
| 27. | Thalassaimia awareness and screening programme | 07.02.14 | Philosophy in collaboration with NRS Medical College Hospital | Dr. Rajib Kumar Dey. |
| 28. | Thalassaimin and its psychological effect —Raibndrik Psychology | 07.02.14 | Philosophy | Dr. Debdulal Dutta Roy, Professor, ISI Dr. Adrijita Panda, Professor, ISI. |
| 29. | Mahila Kabir kalame bangle kabita | 07.02.14 | Bengali | Prof. Lakshman Karmakar, Associate Professor, Ghatal College. |
| 30. | Theory of inference in Indian Philosophy | 13.02.14 | Philosophy | Dr. Papia Gupta, Associate Professor, VU. |
| 31. | Women applied psychology | 03.03.14 | Philosophy | Prof. Jadab Chandra Chattopadhyay, MO, Calcutta Medical College Dr. Arpita Maity, MO, Midnapore Medical College. Dr. Tapan De, Associate Professor, VU. |

| Sl. No. | Title of the Workshop / Training Programme | Date | Department | Eminent scientists/academicians |
|---------|--|----------------------|--------------------------|--|
| 32. | Short term course on positive discrimination of women and SC, ST students | 26.02.14 to 04.03.14 | Equal opportunity Centre | Dr. Neelanjana Das (Chatterjee), Associate Professor Mr. Rajesh Banerjee, Advocate, Calcutta Highcourt. |
| 33. | Rabindranather Aupanisadic bhavana | 11.02.14 | Sanskrit | Dr. Minakshi Singha, Associate Professor, Hiralal Majumdar College, Kolkata. |
| 34. | Sampratik kale Rabindranather prasangkata | 20.03.14 | Bengali | Anuttam Bhattacharyya, Rabindra Gabesak |
| 35. | Dharma Chetana of Kakidasa – Rabindranath- Swami Bibekananda | 31.03.14 | Sanskrit | Dr. Minakshi Singha, Associate Professor Hiralal Majumdar College, Kokata. |
| 36. | Indian Polity, through the prison of its constitutions and its administrative structure, State and Women: reservation of seats for women in panchyet | 14.02.14 | Political Science. | Mr. Debasis Mitra, Asst. Prof., Fhakhir Chand College, Prof. Prabhat Dutta, Ex. Professor, CU. |
| 37. | New social movements in India : Women Environment and Human Rights movement | 28.02.14 | Political Sc. | Prof. Debi Chatterjee, Professor, JU. |
| 38. | Nature of Indian Democracy, Past, Present and Future | 06.03.14 | Political Sc. | Prof. Apurba Kumar Mukhopadhyaya, Professor, Netaji Institute for Asian Studies. |
| 39. | Human Rights issue and Challenge | 14.03.14 | Political Sc. | Prof. Goutam Kumar Basu, Professor Director, JU. |
| 40. | Women empowerment | 20.11.14 | Philosophy | Dr. Tapan Kumar De, Associate Professor, VU. |
| 41. | Psychological counselling | 10.12.14 | Philosophy | Dr. Arpita Maity, Associate Professor, Midnapore Medical College. |
| 42. | Women an applied Psychology | 20.02.15 | Philosophy | |
| 43. | Micro scale engineering of statistics software. | 04.08.15 & 05.08.15 | Physiology | Dr. Sanjaya Mallick, Chief Scientist, Cytometry Solution Pvt. Ltd. |
| 44. | Modern approach on ergonomics Human beings | 24.02.15 | Physiology | Prof. Prakash Ch. Dhar, Associate Professor, VU. |
| 45. | Trasonic application recorded techniques | 03.02.15 | Physiology | Prof. Chandradeepa Ghosh, Associate Professor, VU. Prof. Tushar Kanti Ghosh, Associate Professor, CU |

| Sl. No. | Title of the Workshop / Training Programme | Date | Department | Eminent scientists/academicians |
|---------|---|---------------------|-------------------------|--|
| 46. | Hands on training and Mgt | 21.01.15 & 22.01.15 | Zoology | Dr. P.K. Mukhopadhyay, Former Pricipal Secretary, ICAR Dr. U.K. Laha, Officer-in-charge, WBCADC |
| 47. | Cell mediated immune response. | 26.02.15 | Zoology | Prof. J. Dandapat, Professor, Utkal University |
| 48. | Workshop on Rights of Women | 17.03.15 | History along with CINI | CINI, NGO |
| 49. | Prospect and importance of Biotechnology | 09.01.15 | Botany | Prof. B.R. Pati, Professor, VU |
| 50. | Techniques crops sides | 10.01.15 | Botany | Prof. A.K. Bhattacharya, Associate Professor, Burdwan University |
| 51. | Biotechnological propagation | 24.02.15 | Botany | Mr. P.K. Mitra, |
| 52. | Communityapproaches | 22.12.14 & 23.12.14 | Nutrition | Dr. Sukumar Debnath, Pricipal Scientist, CFTIR |
| 53. | Microbial preservation | 27-2-15 | Botany | Jagamohan Acharya, Associate Professor, Kharagpur College |
| 54. | Departmental seminar cum workshop on Sanskrit | 28-2-15 | Sanskrit | Jagamohon Acharya, Associate professor, Kharagpur College |



Plate 3.1.1: Seminars and Workshops organized for Gender Sensitization in collaboration with NGO's – SANHITA and CINNI ASHA, Kolkata



Graph 3.1.2: Seminars/ Workshop/ Training Programmes/ Sensitization Programme conducted/ organised by the institution

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

Table 3.1.4: Details of prioritized research areas and the expertise available

| Department | Faculty | Research area |
|-------------------|---|--|
| Principal | Dr. Jayasree Laha | Nano-science |
| Physiology | Dr. Dilip K. Nandi Dr. Tanusree Tulsian Dr. Goutam Datta | Phyto-medicine and food value Microbiology and Mol Biology Neuroscience |
| Zoology | Dr. Partha P. Chakravorty Dr. Rupa Dasgupta Dr. Angshuman Chanda Dr. Tiasi Jana Dr. Tilak Das Dr. Kartik Maity | Soil Biology and Ecotoxicology Soil Biology and Ecotoxicology Fishery Nematology Thermal stress Fish Biodiversity |
| Botany | Dr. Rekha Ghosh | Genetics |
| Nutrition | Dr. Kousik Das Nirmalya Sinha | Functional food and hyperlipidemia Phytomedicine and kidney disease Mother child health in community. |

| Department | Faculty | Research area |
|--------------------------|---|--|
| Mathematics | Dr. B. Mondal Dr. S. Mondal | Biomathematics Computational graph algorithms |
| History | Dr. Rina Pal Dr. Parul Chatterjee Mita Biswas | Women in Indian freedom movement Indianism of Bengali Intellectual in 19 th century Muslim Women In Bengal. |
| English | Debjani Mukherjee Bibhas Chand | Diaspora Indian English Literature |
| Bengali | Dr. Anita Saha Dr. Bipul K Mondal Dr. Sujoy Maity Saradabrata Laha | Kathasahitya Kathasahitya Drama, essay, poetry Madhyayuger Bangla Sahitya |
| Philosophy | Gargi Meddya Sandhya Nandi | Universal Religion of Vivekananda Liberation in Indian Philosophy. |
| Political Science | Parikshit Thakur | Bramho Samaj |
| Economics | Dr. Sujata Bera Bhabashankar Das | Gender Economics, Micro finance Industrial Economics |
| Physics | Arjun Mukhopadhyay Abishek Chakraborty | Quantum Optics Perturbative and Non Perturbative Aspects of Lattice Quantum |
| Chemistry | Dr. Sukla Chakladar Dr. Mrinal K Paria | Inorganic Chemistry Synthesis and application oriented compounds and its complex. |
| Computer Science | Chiranjit Changdar | Soft computing |

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

Senior and prominent faculty members of Universities and other institutions are invited by the PG departments to deliver guest lectures and interact with the students and the teachers in the various academic programmes. UG departments also organize such programmes on a regular basis. International and National level seminars are organized from time to time. Workshops and training programmes are also organized for the staff.

Table 3.1.5: Details of visiting faculty

| Department | Name of faculty with designation |
|-------------------|---|
| Zoology-PG | Prof. Tanmoy Bhattacharya Former professor, Vidyasagar University Dr. Kamallesh Mishra Former Head in Naihati R.B.C college Dr. Madhusudan Ghosal, Ex-Principal, Bangabasi college Dr. Goutam Ghosh |

| | |
|---------------------|---|
| | Asst. Professor, Midnapore College |
| | Dr. Suryo J. Biswas Asst. Professor, Midnapore College Dr. Uttam K. Laha Scientific Officer, WBCADC, Govt. of WB. |
| English-UG | Prof. Tapanjyoti Banerjee Former professor, Vidyasagar University. |
| Chemistry-UG | Dr. Amalendu Ghosal Former professor, Midnapur College |
| Nutrition-UG | Dr. Samiran Bisai Deputy Director, Cultural Research Institute, Ministry of Backward Class Department, Government of West Bengal Dr. Debidas Ghosh Professor, Dept. of Biomedical Laboratory Science & Management, Vidyasagar University, Midnapore, West Bengal |

What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

Sabbatical/ special leave is granted to teachers who wish to avail the leave for study/ research purpose. However, the percentage of faculty availing this facility is very less. The teachers who have availed special leave are as follows:

Table 3.1.6. Details of Study leave granted to teachers in the last four years

| Department | Faculty | Purpose |
|------------|-----------------|----------------------|
| Economics | Dr. Sujata Bera | Ph.D. work under FDP |
| Geography | Dr. Animesh Roy | Ph.D. work under FDP |

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).

The Institution creates awareness and effects transfer of the findings of its research by making the publications of the faculty available to the students and interested scholars. Copies of research publications and seminar proceedings are kept in the library. Students and teachers are encouraged to publish their findings in reputed journals.

Resource Mobilization for Research

**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 specific budgetary allocation. The institution provides all recurring expenses including consumables and maintenance of equipments for student projects and if necessary, similar infrastructural support is given to teachers for unfunded research works. Optimal utilization of CPE-Research fund and BSR Fund has been done to provide financial support for research work.

Please refer Table 3.3.1.

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?

Yes, there is provision for providing seed money to young researchers. Such projects need the sanction of the research committee and Rs. 10000 is allocated as seed money for each project.

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

PG Department of Zoology provides necessary funding for student projects from PG fund. Student projects of other departments are funded from CPE recurring research and BSR funds. Students are provided free internet access and access to laboratories beyond college hours to support research activities.

How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

The institution encourages its staff to engage in interdisciplinary and interdepartmental research activities and resource sharing. There are a number of projects which are running in collaboration of Department of Zoology, Physiology, Nutrition and Microbiology.

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

- The College has a Central Instrumentation Facility for the Science departments, for the project works of the teachers and students.
- Latest equipment and instruments are made available to the students under the supervision of the faculty.
- Latest instruments are regularly purchased.
- The students are divided into small groups for analysing effective learning of technical skills as required for operating various sophisticated equipments.
- Computer and Internet facilities are made available to the students in an organised and systematic manner. Log books for use of internet are maintained in Career Advancement Centre-Central Computer Centre.

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, the Institute does not receive any special grants or finances from the industry or other beneficiary agency for developing research facility.

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.

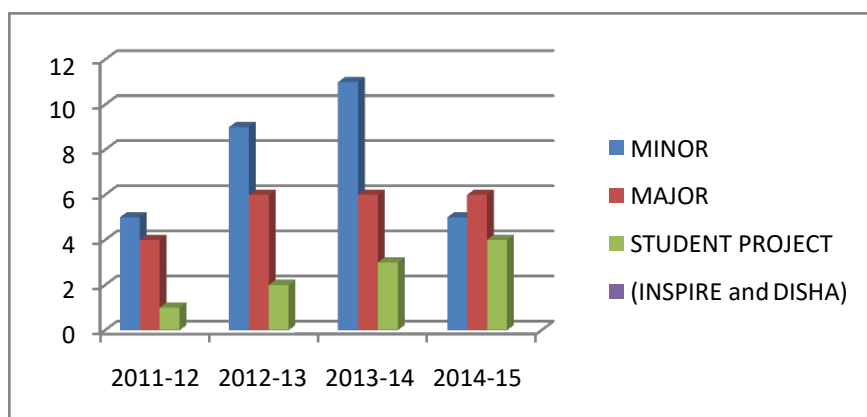
Table 3.2.1: Details of ongoing and completed projects and grants received during the last four years.

| Year : 2011-12 | | | | | | |
|-----------------------------|-------------------------|----------------------|-------------------------------|----------------|---------------|--------------------------------|
| Nature of the Project | Duration (Year) From To | Title of the project | Name of the Funding Agency | Total Grant | | Total grant received till date |
| | | | | Sanctioned | Received | |
| Minor projects | 3/8/11(2 years) | Botany | UGC | Rs 1,81,500/- | Rs 1,35,500/- | Rs 5,68,900/- |
| | 19/3/12(1 year) | Botany | WBBB | Rs 1,68,000/- | Rs 1,20,000/- | |
| | 1/7/11(completed) | Mathematics | UGC | Rs 1,48,900/- | Rs 1,25,000/- | |
| | 1/7/11(2 years) | History | UGC | Rs 61,000/- | Rs 52,000/- | |
| | 1/7/11(2 years) | Botany | UGC | Rs 1,56,400/- | Rs 1,36,400/- | |
| Major projects | 6/7/12(2 years) | Microbiology | DIPAS | Rs 8,50,000/- | Rs 6,36,000/- | Rs22,03,800/- |
| | 1/7/12(3 years) | Physiology | DRDO | Rs 10,25,800/- | Rs6,71,800 /- | |
| | 1/7/12(3 years) | Zoology | UGC | Rs 9,85,800/- | Rs6,05,000 /- | |
| | 1/7/12(3 years) | Mathematics | UGC | Rs 4,46,000/- | Rs 2,91,000/- | |
| Interdisciplinary projects | NIL | NIL | NIL | NIL | NIL | NIL |
| Industry sponsored | NIL | NIL | NIL | NIL | NIL | NIL |
| Students' research projects | 2010 | Microbiology | DST INSPIRE Fellowships | Rs 3,00,000/- | Rs.3,00,000/- | Rs3,00,000/- |
| Any other (specify) | NIL | NIL | NIL | NIL | NIL | NIL |

| Year: 2012-13 | | | | | | |
|-----------------------------|-------------------------|---|---|--|---|--------------------------------|
| Nature of the Project | Duration (Year) From To | Title of the project | Name of the Funding Agency | Total Grant | | Total grant received till date |
| | | | | Sanctioned | Received | |
| Minor projects | for 2 Years | Botany Geography Zoology Geography Botany & Zoology Nutrition Botany History | UGC UGC UGC UGC WBBB UGC UGC UGC | Rs 1,98,800/- Rs 1,78,000/- Rs 1,98,700/- Rs 1,60,000/- Rs 1,67,000/- Rs 1,86,000/- Rs 1,81,500/- Rs.61,000/- | Rs1,00,500/- Rs 98,000/- Rs1,06,500/- Rs 95,000/- Rs 97,000/- Rs1,02,000/- Rs1,00,500/- Rs.5,000/- | Rs7,04,500/- |
| Major projects | for 3 Years | Physiology & Nutrition Nutrition Mathematics Mathematics Zoology Zoology | UGC DIPAS DRDO UGC UGC UGC UGC | Rs10,25,800/- Rs 8,50,000/- Rs4,46,000/- Rs3,70,000/- Rs9,85,800/- Rs8,58,135/- | - Rs 2,14,000/- - Rs2,65,000/- - Rs6,21,800 | Rs11,00,000/- |
| Interdisciplinary projects | | Physiology & Nutrition Botany & Zoology | UGC WBBB | Rs10,25,800/- Rs1,67,000/- | Rs10,25,800/- Rs1,67,000/- | Rs11,92,800/- |
| Industry sponsored | NIL | NIL | NIL | NIL | NIL | NIL |
| Students' research projects | 2010 2012 | Microbiology Nutrition | DST INSPIRE Fellowships | Rs 6,00,000/- | Rs.6,00,000/- | Rs6,00,000/- |
| Any other (specify) | NIL | NIL | NIL | NIL | NIL | NIL |
| | | | | | | |

| Year:2013-14 | | | | | | |
|-----------------------------|-------------------------|------------------------|----------------------------|---------------|---------------|--------------------------------|
| Nature of the Project | Duration (Year) From To | Title of the project | Name of the Funding Agency | Total Grant | | Total grant received till date |
| | | | | Sanctioned | Received | |
| Minor projects | for 2 Years | Botany | UGC | Rs1,98,800/- | Rs 70,300/- | Rs12,74,500/- |
| | | Geography | UGC | Rs1,78,000/- | Rs 65,000/- | |
| | | Zoology | UGC | Rs1,98,700/- | Rs 71,200/- | |
| | | Geography | UGC | Rs1,60,000/- | Rs 55,000/- | |
| | | Botany & Zoology | WBBB | Rs1,67,000/- | Rs 70,000/- | |
| | | Nutrition | UGC | Rs1,86,000/- | Rs 68,000/- | |
| | | Botany | UGC | Rs1,81,500/- | Rs 75,000/- | |
| | | Philosophy | UGC | Rs.3,00,000/- | Rs.2,00,000/- | |
| | | English | UGC | Rs.1,90,000/- | Rs.1,50,000/- | |
| | | Physiology | UGC | Rs.3,75,000/- | Rs.3,00,000/- | |
| | | Pol.Sc. | UGC | Rs.2,00,000/- | Rs.1,50,000/- | |
| Major projects | for 3 Years | Zoology | UGC | Rs 9,86,000/- | Rs 3,05,000/- | Rs 6,91,832/- |
| | | Physiology & Nutrition | UGC | Rs10,25,800/- | Rs 2,61,832/- | |
| | | Mathematics | UGC | Rs 4,46,000/- | Rs1,25,000/- | |
| | | Mathematics | UGC | Rs 3,70,000/- | - | |
| Interdisciplinary projects | | Zoology | UGC | Rs 9,35,800/- | - | Rs11,92,800 |
| | | Physiology & Nutrition | UGC | Rs10,25,800 | | |
| Industry sponsored | NIL | Botany & Zoology | WBBB | Rs1,67,000 | | NIL |
| | | NIL | NIL | NIL | NIL | |
| Students' research projects | 2010 | Microbiology | DST | Rs9,00,000/- | Rs9,00,000/- | Rs9,00,000/- |
| | 2012 | Nutrition | INSPIRE | | | |
| | 2013 | Nutrition, Physiology | Fellowships | | | |
| Any other (specify) | NIL | NIL | NIL | NIL | NIL | NIL |

| Year : 2014-15 | | | | | | |
|-----------------------------|----------------------------------|--|----------------------------------|---|---|------------------------------------|
| Nature of the Project | Duration (Year) From To | Title of the project | Name of the Funding Agency | Total Grant | | Total grant received till date |
| | | | | Sanctioned | Received | |
| Minor projects | for 2 Years | Philosophy English Physiology Pol. Science Chemistry | UGC UGC UGC CWIT UGC | Rs3,00,000/- Rs1,90,000/- Rs3,75,000/- Rs2,00,000/- Rs3,67,000/- | Rs2,00,000/- Rs1,50,000/- Rs.3,00,000/- Rs1,50,000/- Rs2,92,000/- | Rs.10,92,000/- - - - - |
| Major projects | for 3 Years | Zoology Physiology & Nutrition Mathematics Mathematics Zoology | UGC UGC UGC UGC UGC | Rs9,86,000/- Rs10,25,800/- Rs4,46,000/- Rs3,70,000/- Rs8,58,135/- | - - - Rs85,000/- Rs.2,36,335/- | Rs3,21,335/- - - - - |
| Interdisciplinary projects | From 2012 From 2014 | Physiology & Nutrition Zoology & Nutrition | UGC DST DISHA | Rs10,25,800/- Rs.3,29,600/- | - 2,27,920.00 | Rs. 2,27,920.00 - |
| Industry sponsored | NIL | NIL | NIL | NIL | NIL | NIL |
| Students' research projects | 2010 (completed) 2012 2013 | Microbiology Nutrition Nutrition, Physiology Zoology & Nutrition | DST INSPIRE Fellowships | Rs12,00,000/- | Rs12,00,000/- | Rs12,00,000/- |
| Any other (specify) | NIL | NIL | NIL | NIL | NIL | NIL |



Graph 3.2.1: Research projects (2011-2015)

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

The institution offers travel grants to the teachers to attend various seminar, conferences, symposiums for the submission of research papers there in. The college has its Central Instrumental Centre equipped with sophisticated instruments used by the researchers and faculties. Computers with internet is available round the clock. Moreover some of the science department has set up their own instrumentation centre to carry out advanced level of research work. The central library is computerized with well stocked books on various research areas.

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 strategy of the college is to identify budding researchers amongst teachers and students and provide resources as well as seed money.

- The convener of the Research Committee recommends up-gradation of infrastructure and requirements in terms of special instruments/ equipment.
- The Research Committee conducts on-site visit and discusses requirements with the head of the department and research centre coordinator.
- Facilities are upgraded based on recommendations of Research Committee

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.

Yes. The college has received financial assistance under various schemes from UGC XI th plan, UGC-CPE, UGC-BSR, DBT and DST. The details of funding are as follows:

Table 3.3.1: Grants received by college for research

| Source of Fund | Year | Amount (Rs.) |
|---|---------|--------------|
| UGC-CPE (Research-Non-recurring) | 2011-12 | 13,57,724.00 |
| UGC-CPE (Research- recurring) | 2011-12 | 9,06,089.00 |
| UGC-CPE (Research-Non-recurring) | 2013-14 | 13,50,303.00 |
| UGC-CPE (Research- recurring) | 2013-14 | 9,02,126.00 |
| UGC-BSR | 2012-13 | 55,65,577.50 |
| UGC-BSR | 2014-15 | 62,65,055.00 |
| DBT-STAR | 2014-16 | 14,88,036.00 |
| DST-FIST | 2012-14 | 75,27,613.00 |
| XI th Plan(Additional grant - equipment) | 2011-13 | 29,45,000.00 |

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

Students visit research institutes and are exposed to current research trends and modern equipments

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

Yes. Library facility is allowed to external researchers with special permission.

What are the collaborative research facilities developed/ created by the research institutes in the college. For ex. Laboratories, library, instruments, computers, new technology etc.

Collaboration leading to Ph.D. degree:-Faculty members specially of science department are actively engaged in collaborative research leading to PhD degree with other Universities of West Bengal as well as other states. Some research institutes and organizations with which some collaborations are in progress are mentioned below:

1. Dr. P. P. Chakravorty (Department of Zoology) having a number of collaborative research programmes :

- a) With Prof. S.K Chakravorty, Dept. of Zoology, Vidyasagar University, Medinipur.
- b) With Prof. A Kaviraj , Dept. of Zoology, University of Kalyani, Kalyani.
- c) With Prof. Shelley Bhattacharya, Department of Zoology, Bisvabharati, Santiniketan
- d) With Prof . T. Bhattacharya, Department of Zoology, Vidyasagar University, Medinipur.
- e) With Prof. V.C. Joy , Department of Zoology , Bisvabharati, Santiniketan.

2. Dr. R. Dasgupta (Department of Zoology) having collaborative research programmes:

- a. with Prof. Jayanta Kundu, Dept. of Zoology, Vidyasagar University, Medinipur.

3. Dr. D. K. Nandi (Department of Physiology) having a number of collaborative research programmes :

- a) With Dr. Debidas Ghosh, Department of Biomedical Science and Managment, Vidyasagar University.
- b) With Dr. Sanjay Kar, Department of Botany, Midnapore College.
- c) With Dr. Keshab Mandal, Department Microbiology, Vidyasagar University.
- d) With Dr. Paramita Bhattacharya, Department of Food Technology, Jadavpur University.

4. Dr. D.C. Das (Department of Botany) having a no. of collaborative research programmes :

- a) With Dr. A. Mondal, Dept. of Botany, Vidyasagar University, Medinipur.
- b) With Dr. M.S. Mondal, Addl. Director, BSI, Howrah.

5. Dr. Sukumar Mondal (Department of Mathematics) has collaboration with

- a) Prof. Madhumangal Pal (Professor, Department of Mathematics, Vidyasagar University, Medinipur.)

Research Publications and Awards

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

* Patents obtained and filed (process and product): Nil

* Original research contributing to product improvement : Nil

* Research studies or surveys benefiting the community or improving the services: Department of Nutrition and Physiology conducts surveys and suggest alternative low cost diet charts to rural people of nearby villages especially to old aged, women and children.

* Research inputs contributing to new initiatives and social development: Nil

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?

Yes. Two Online Journals:-

1. Anudhyan: An International Journal of Social Sciences
and

2. International Research Journal of Basic and Applied Sciences

Anudhyan: An International Journal of Social Sciences

Chief Editors: Dr. Rina Pal, Associate Professor and Head, Department of History

Dr. Sujoy Kumar Maiti, Assistant Professor, Department of Bengali

Associate Editor: Dr. Parul Chatterjee, Associate Professor, Department of History

Chief Advisor: Prof. Tirthankar Purakyastha, Professor, Department of English, Vidyasagar University

EDITORIAL BOARD: -

1. Prof. Mesba Kamal, Professor of History, Dhaka University.
2. Prof. Sanjoy Mukherjee, Professor of Film Studies, Jadavpur University.
3. Prof. Sarbani Choudhury, Head and Professor, Department of English, Kalyani University.
4. Prof. Layek Ali Khan, Professor, Department of Bengali, Vidyasagar University.
5. Prof. Tanveer Nasrin, Professor, Department of History, Burdwan University.
6. Prof. Rajkumar Kothary, Professor, Department of Political Science, Vidyasagar University.
7. Prof. Anil K. Jana, Professor, Department of Political Science, Vidyasagar University.
8. Prof. Prabhat Mishra, Department of Philosophy, Vidyasagar University.
9. Dr. Durga Shankar Rath, Department of Library Science, Vidyasagar University.
10. Prof. Rabindranath Chattopadhyay, Emeritus Professor- Architecture and Regional Planning, IITKharagpur.
11. Prof. Jayanta Jaydeb, Visiting Professor-Department of Philosophy, Utkal University, Former Director, School of Women Studies, Utkal University.
12. Dr. Sebak Jana, Assistant Professor, Department of Economics, Vidyasagar University.
13. Dr. Debashis Das, Associate Professor, Department of English, Vidyasagar University.
14. Dr. Sarbani Ganguly, Professor, Department of Sanskrit, Jadavpur University.
15. Dr. Sobhan Lal Datta Gupta, Former Professor, Department of Political Science, Calcutta University.
16. Dr. Ambarish Mukhopadhyay, Associate Professor and Head, Department of Political Science, Vidyasagar University.
17. Sri. Ladli Mukhopadhyay, Film Director and Film Critic.

International Research Journal of Basic and Applied Sciences

EDITORIAL BOARD:

Chief Editor: Dr. Jayasree Laha.

Associate Editors: Dr. Biswajit Mandal Dr. Angsuman Chanda.

Members:

1. Prof. Amar Kr. Chanda- Honorary President of PSI, General Sec. of FIPS & SAAP. Dept. of Physiology, Calcutta University.
2. Prof. Puspendu Kr. Das Dept. of Inorganic – Physical Chemistry, Indian Institute of Science (IISc), Bengaluru, Editor - Academy of Science.
3. Prof. K. K. Dipak, Department of Physiology, AIIMS, N. Delhi.
4. Prof. Debabrata Ghosh, Department of Physiology, AIIMS, N. Delhi.
5. Prof. Sharaine Fernando Dept. of Physiology, Faculty of Medical Sciences, University of Sri Lanka.
6. Prof. Tanmoy Bhattacharya Dept. of Zoology, Vidyasagar University. (Ret.).
7. Prof. Samir Banerjee Dept. of Zoology, Calcutta University. (Ret.).
8. Prof. V. C. Joy Dept. of Zoology, Viswa Bharati, Santiniketan, 731235.
9. Prof. Subrata Roy, (Ret). Prof. of Zoology, Dept. of Zoology, Burdwan University.
10. Prof. Basanta Kr. Agarwal Dept. of Zoology, Tripura University, Tripura.
11. Dr. Kamalesh Mishra Ret. Reader in Zoology, Dept. of Zoology, Rishi Bannkim Chandra College, Naihati, Nadia.
12. Prof. S. Sahu Dept. of Environmental Science, Sambalpur University, Jyotibihar, Orissa.
13. Prof. Cyrille D'Haese, Dept. Systemique et Evolution, Museum National d, Histoire Naturelle, France.
14. Prof. Sathe Tukuram Vithalrao Dept. of Zoology, Shibaji University, Kolapur.
15. Prof. Jean Francois Ponge Museum National d' Histoire Naturelle.
16. Dr. Ramakrishna Maity Associate Prof. in Geography, Vidyasagar University.
17. Dr. Soumendu Chatterjee Associate Prof. in Geography, Presidency University.
18. Dr. S. K. Roy Prof. of Physics, IIT.
19. Dr. Argha Tarapdar, Prof. of Physics, IIT, Khargpur.
20. Dr. Somenath Bharawaj, Prof. of Physics, IIT, Kharagpur.
21. Prof. A. Goswami, IIT, Kharagpur.
22. Prof. M. M. Pal, Dept. of Mathematics, Vidyasagar University.
23. Prof. M. Maity, (Retd.) Dept. of Mathematics, Vidyasagar University.
24. Dr. Rabindranath Rej, Dept. of Chemistry, IIT, Kharagpur
25. Dr. Tapan Kr. Mishra, Principal (Retd.), Vidyasagar College, Kolkata.
26. Prof. Koushik Das, Dept. of Chemistry, Jadavpur University.
27. Prof. Sraboni Tarafdar, Dept. of Chemistry, IIT, KGP.
28. Prof. Swagata Dasgupta, Dept. of Chemistry, IIT, KGP.
29. Dr. Ashok Kumar Bhunia, Dept. of Mathematics, Burdwan University.
30. Prof. Tapan Kr. Kar, Dept. of Mathematics, IEST, Shibpur.
31. Dr. Surajit Ghosh, Dept. of Physics, Vidyasagar University.
32. Dr. Dilip Kr. Pal, Professor, Dept. of survey and land studies, Papua New Guinea Technological University.
33. Dr. Jadavchandra Chattopadhyay, Prof. of Calcutta Medical College.
34. Dr. Jyotiprakash Halder, Former Pricipal of Bangabasi College, Kolkata.
35. Dr. Sudeshna Sarkar, Professor-IIT, Computer Science.
36. Prof. Rajat Kr. Paul, Dept. of Computer Science, Calcutta University.
37. Dr. Mahamad Alowidin, Prof. Dept. of O & G, Midnapur Medical College.

Give details of publications by the faculty and students: Table

3.3.2: Publications by the faculty

| Faculty | International | National | Proceedings | Total Publications | Peer | Indexed | Citation | H index | SNIP/SJR |
|-------------------------------------|---------------|----------|-------------|--------------------|------|---------|----------|---------|----------|
| Dr. Jayasree Laha, Principal | 11 | - | 3 | 14 | - | - | - | - | - |
| Department of Bengali | | | | | | | | | |
| Dr. Anita Saha | - | 10 | - | 10 | - | - | - | - | - |
| Dr. Sujoy K Maity | - | 18 | - | 18 | - | - | - | - | - |
| Dr. Bipul K Mondal | - | 09 | - | 09 | - | - | - | - | - |
| Sri Saradabrata Laha | - | 05 | - | 05 | - | - | - | - | - |
| Sri Sutanuka Pal | - | 04 | - | 04 | - | - | - | - | - |
| Department of English | | | | | | | | | |
| Smt. Debjani Mukherjee | - | - | 01 | 01 | - | - | - | - | - |
| Sri Bibhas Chand | - | 05 | 0 | 05 | - | - | - | - | - |
| Sri Soumyadeep Chakrabo | - | 03 | - | 03 | - | - | - | - | - |
| Department of Sanskrit | | | | | | | | | |
| Smt. Ila Nanda | - | 03 | - | 03 | - | - | - | - | - |
| Smt. Geetanjali Tripathy | - | 02 | - | 02 | - | - | - | - | - |
| Department of Political Science | | | | | | | | | |
| Sri Parikshit Thakur | - | 08 | - | 08 | - | - | - | - | - |
| Smt. Binindita Dasgupta | - | 01 | - | 01 | - | - | - | - | - |
| Department of Philosophy | | | | | | | | | |
| Smt. Gargi Meddya | - | 04 | 02 | 06 | - | - | - | - | - |
| Smt. Sandhya Nandi | - | 02 | - | 02 | - | - | - | - | - |
| Nilanjana Chakraborty | | 01 | - | 01 | - | - | - | - | - |
| Department of History | | | | | | | | | |
| Dr. Rina Pal | - | 23 | - | 23 | - | - | - | - | - |
| Dr. Parul Chatterjee | - | 06 | 05 | 11 | - | - | - | - | - |
| Smt. Mita Biswas | - | 05 | - | 05 | - | - | - | - | - |
| Sri Shyamapada Shit | - | 05 | - | 05 | - | - | - | - | - |
| Department of Economics | | | | | | | | | |
| Dr. Sujata Bera | 01 | 04 | 01 | 06 | - | - | - | - | - |
| Sri Bhabashankar Das | 01 | 04 | 01 | 06 | - | - | - | - | - |
| Department of Geography | | | | | | | | | |
| Dr. Swapna Ghorai | 02 | 07 | - | 09 | - | - | - | - | - |
| Dr. Animesh Roy | 03 | 03 | - | 06 | - | - | - | - | - |
| Dr Pravat K Shit | 27 | 04 | - | 31 | - | - | - | - | - |
| Dr. Moumita Mitra Maiti | - | 10 | - | 10 | - | - | - | - | - |
| Dr. Subrata Jana | 04 | 03 | - | 07 | - | - | - | - | - |
| Dr. Saurav Chakraborty | 02 | - | - | 02 | - | - | - | - | - |
| Department of Music | | | | | | | | | |
| Dr. Susanta Samanta | 01 | 03 | 02 | 06 | - | - | - | - | - |
| Dr. Sujata Roy Manna | 02 | 03 | - | 05 | - | - | - | - | - |
| Department of Zoology | | | | | | | | | |
| Dr. P. P. Chakravorty | 08 | 01 | 01 | 09 | 09 | 09 | 63 | 2 | - |
| Dr. R. Dasgupta | 06 | - | 01 | 06 | 06 | 06 | 40 | - | - |
| Dr. A. Chanda | 12 | 03 | 01 | 15 | 12 | - | - | - | - |
| Dr. T. Das | 01 | - | 01 | 01 | 01 | - | - | - | - |

| Faculty | International | National | Proceedings | Total Publications | Peer | Indexed | Citation | H index | SNIP/SJR |
|--|----------------|----------------|--------------|--------------------|----------------|--------------|--------------|-------------|--------------|
| Department of Botany Dr. Dulal Ch. Das Dr. Sudipto Maity Smt. Ruma Hazra | 11 01 - | 06 03 01 | - 03 - | 17 07 01 | - - - | - - - | - - - | - - - | - - - |
| Department of Physiology Dr. Dilip K Nandi Dr. Tanusree Tulsian Dr. Goutam Datta | 16 04 07 | 03 - 01 | - - - | 19 04 08 | 19 04 08 | 19 - - | 55 - - | - - - | 14 - - |
| Department of Nutrition Dr. Kaushik Das Sri Nirmalya Sinha | 12 12 | 02 04 | 01 - | 15 16 | 15 - | 15 - | 51 - | - - | 11 - |
| Department of Microbiology Sri Pradip Samanta Smt. Arpita Das | 05 08 | - 02 | - - | 05 10 | - - | - - | - - | - - | - - |
| Department of Physics Sri Arjun Mukhopadhyay Dr. Abhishek Chowdhury | 01 08 | 05 - | 01 4 | 07 12 | 07 12 | - 12 | - - | - - | - - |
| Department of Chemistry Dr. Mrinal K. Paira Smt. Mrinalini Parmar | 04 01 | - - | - - | 04 - | - - | - - | - - | - - | - - |
| Department of Mathematics Dr. Biswajit Mondal Dr. Sukumar Mondal | 03 08 | - - | 01 - | 04 08 | - - | - - | 50 90 | - - | - - |
| Department of BCA Amita Samanta | 01 | - | - | 01 | - | - | - | - | - |
| Department of Computer Science Sri Chiranjit Changdar | 08 | - | - | 08 | - | - | - | - | - |

Table 3.3.3: Publications by the project fellows

| Project Fellow | International | National | Proceedings | Total Publications | Peer | Indexed | Citation | H index | SNIP/SJR |
|---|----------------|----------------|-------------|--------------------|----------------|-------------|-------------|-------------|----------------|
| Department of Zoology 1.Somanko Sanyal 2.Bidisha Barua | 2 2 | 0 01 | 0 0 | 02 03 | 02 02 | 12 12 | - - | - - | - - |
| Departments of Physiology, Nutrition and Microbiology 3. Ankita Das 4. Suchismita Roy 5. Sreya Mandal | 15 14 12 | 03 03 03 | - - - | 18 17 15 | 18 17 15 | - - - | - - - | - - - | 14 13 11 |

| | | | | | | | | | |
|-------------------------------------|----|----|----|----|----|----|---|---|----|
| 6. Animesh Samanta | 07 | 02 | - | 09 | 09 | - | - | - | 04 |
| 7. Arpita Patra | 02 | - | - | 02 | - | - | - | - | - |
| 8. Srabani Pradhan | 02 | - | - | 02 | - | - | - | - | - |
| Department of Nutrition and Zoology | | | | | | | | | |
| 9. Sreoshi Mallick | 01 | - | 01 | 01 | 01 | 01 | - | - | - |

Provide details (if any) of research awards received by the faculty

*recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally

*incentives given to faculty for receiving state, national and international recognitions for research contributions.

Table 3.4.1: Awards / recognitions of the faculty

| Name of Faculty | Year | Award/recognition |
|-------------------------------|--------------|--|
| Dr. Kartik Maity | 2015 | Lifetime achievement award by Indian Institute of Oriental Heritage, New Delhi |
| Dr. Angshuman Chanda | 2014 | Fellow of International Science Congress Association (FISCA). |
| Dr. Partha Pratim Chakraborty | 2014 2014 | Fellow of the Zoological Society.Kolkata Fellow of the International Congress of Entomology and Zoology Studies, New Delhi. |
| Parikshit Thakur | 2014 | The Charles Wallace India Trust Short Term Research Grants to carry on research in repositories of UK for four weeks |
| Dr. Sukumar Mondal | 2013 | Scientist of the year by National Environmental Science Academy, New Delhi |

Consultancy

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

No such system exists.

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

Career Advancement Centre conducts preparatory courses by counsellors from its own college as well as by external experts and earns revenue. The courses are advertised in leading dailies and information is sent to neighboring colleges.

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

No such mechanism exists.

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

- The revenue generated from consultancy services rendered by the Career Advancement Centre (CAC) for preparatory courses is as follows

Table 3.5.1: Revenue generated from consultancy by Career Advancement Centre

| Year | Revenue generated from CAC (Rs.) |
|----------------------------|----------------------------------|
| 2011-12 | 4,64,035.00 |
| 2012-13 | 2401.00 |
| 2013-14 | 3,90,188.00 |
| 2014-15 | Nil |
| 2015-16 (Till December) | 04,91,250 |

- The IQAC Coordinator has acted as a consultant as external member of IQAC and conducted workshops, interactive sessions in the following colleges for streamlining various activities required for NAAC accreditation-
 - Debra Thana Mahavidyalaya, Purba Medinipur.
 - Vidyasagar Teachers Training Institute, Midnapore.
 - K.D. College of Commerce, Midnapore.
 - SSBS Mahavidyalay, Goaltore, Paschim Medinipur.
- Career Advancement Centre has rendered consultancy services to Sarada Kalyan Bhandar, a NGO working for educating the backward sections of the society for setting up of a Computer Training Centre and for initiating a training course.

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

No such policy exists.

Extension Activities and Institutional Social Responsibility (ISR)

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

The college is committed to holistic and integrated education that aims at making students intellectually sharp, socially responsible, culturally creative, emotionally resilient and physically strong. Students take part voluntarily and actively in the institution neighbourhood-community network by participating in the Extension activities promoted by the College. Raja N. L. Khan women's college has a long-standing tradition of philanthropy and engagement in social service, and this spirit is instilled in our students through their participation in various programmes. At times of national calamities, the staff and students contribute generously towards Relief Funds. Contributions are made annually to the Salvation Army.

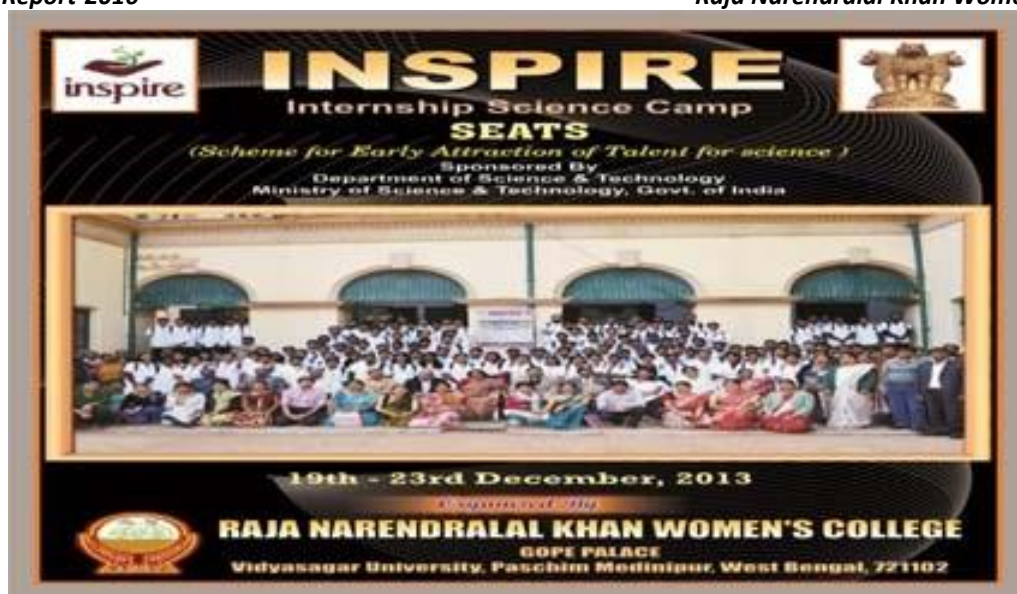


Plate 3.6.1: Conducting Inspire Camp in our college for school children- A community link is developed

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

The college believes in working with the people and not for the people. People's participation is ensured at all levels of planning, implementation and follow-up of our activities. Programmes are worked out keeping in mind people's needs, concerns and aspirations. What programmes will be undertaken and how they will be implemented is decided democratically along with the community. Care is taken not to impose our ideas and methods on the community.

The students participate in various philanthropic activities organized by the NSS wing of the College. Their involvement in blood donation, Thalassemia camps, contribution in village areas, paying homage to Bengal luminaries, observance of Human Rights Day, No Tobacco Day, World AIDS day ensure the promotion towards the augmented citizenship role. They are also actively involved in the cultural programmes held during the year. Under the supervision of their teachers, our students are engaged in preserving the lush green environment of the College campus. For maintaining the garden of the College, NSS units and NCC put up posters for general awareness about the environment and as a whole keep the College clean and green and also for minimizing electrical consumption. The College thus inculcates the ideal of good citizenship in the minds of the students ensuring their active involvement in different aspects of the society.

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

The College encourages stakeholders to engage in its day to day working through interactions with students, parents and guardians of the students, the members of the faculty and the alumni. As part of the Internal Quality Assessment, the final year UG students fill up feedback questionnaires on teaching and other aspects of the College. This feedback is considered by the Principal in order to enhance the teaching-learning process and incorporate the valid suggestions of the students. Parent-teacher meetings are held on a yearly basis to update the parents about the performance and attendance of the students, and to learn about the special needs of the individual

students. The College interacts closely with its alumni and collaborates with them on several important occasions, such as the alumnae meet, celebration of Foundation Day and annual sports.

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 institution plans and organises its extension and outreach programmes primarily through the NSS Unit of the College and the Women's Studies Centre. The budget of the NSS for the academic sessions 2009-2010 to 2012-2013 was Rs. 45,000 annually, with Rs. 22,500 for the special camps and Rs. 22,500 for other activities.

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?

At the beginning of each academic year, the Programme Officer(s) of NSS unit and NCC Officers brief the students about the aims and objectives of their activities and subsequently students are enrolled for these units. Academic and career benefits are also discussed with the students who wish to participate in these activities. A seminar on Career in NCC is organized each year by NCC and CAC of this college to enhance student participation in NCC unit.

Assistance is given to the students and teachers participating in the extension activities. Leave of absence is also granted to them for such types of activities.

Table 3.6.1: Details of Extension Activities by NSS and NCC units of the College

| Year | Activities by NSS | Activities by NCC |
|----------------|--|---|
| 2011-12 | Grants received-1,39,500 Women's day Celebration on 8 th March. AIDS awareness programmes Health Awareness Programme. Celebration of Independence day, Birthday of Netaji Subhas and Republic Day. Observation Youth Day on 12 th January. | <ul style="list-style-type: none"> Organizing CAT camp in Raja N. L. Khan Women's College (13-7-11 to 22-7-11)- 650 participants. Organizing Camp for training the state team for prior launching to Delhi-7-8-11 to 30-8-11 at Raja N. L. Khan Women's College Organizing CAT camp in Tutranga (14-8-11 to 23-8-11) attended by 3 cadets. |
| 2012-13 | Grants received-1,39,500 Women's day Celebration on 8 th March. AIDS awareness programmes Health Awareness Programme. A seminar on Vivekananda was held on 25-1-2012 Safety Measures by Bharat Petroleum. Celebration of Independence day and Republic Day. | <ul style="list-style-type: none"> Organizing CAT camp at Bankura (3-2-12 to 12-2-12)- attended by 22 cadets. Adventure camp on 18-3-12 to 25-3-12 at IISM, Gulmarg attended by 2 cadets. Organizing CAT camp in Nguva (19-7-12 to 27-7-12)- attended by 3 cadets. EG-TSC at Darjeeling from 28-7-12 to 7-8-12 attended by 3 cadets. TSC-I from 16-8-12 to 25-8-12 at Sukna participated by one cadet. |

| | | |
|----------------|--|--|
| | | <ul style="list-style-type: none"> • TSC-II from 26-8-12 to 4-9-12 at Sukna participated by one cadet. • TSC-III from 15-9-12 to 24-9-12 at Sukna participated by one cadet. • TSC from 27-9-12 to 8-9-12 at New Delhi participated by one cadet. • Personality Development Camp 26-8-12 to 5-12-12 at Ota, Gwallior participated by one cadet. • TSC-I from 26-8-12 to 4-9-12 at Sukna participated by one cadet. • CAT from 27-8-12 to 5-9-12 at Dhanesharpur, attended by 3 cadets. • CAT camp from 4-10-12 to 13-10-12 at Bankura, attended by 3 cadets. • Trekking at Darjeeling from 6-10-12 to 13-10-12, attended by 11 cadets. • CAT camp from 21-9-12 to 30-9-12, attended by 44 cadets. • Advanced leadership camp from 4-10-12 to 15-10-12, attended by 3 cadets. • CAT camp from 4-9-12 to 15-10-12 at Garbeta, attended by 5 cadets. • Rally on Career Awareness programme held at ITI, attended by 18 cadets. • Rally and seminar on Aids Awareness programme held on 1-12-12 at college attended by 33 cadets. |
| 2013-14 | Grants received-1,39,400 Women's day Celebration on 8 th March. AIDS awareness programmes Health Awareness Programme. Literacy Programme. | <ul style="list-style-type: none"> • Observation of world population day on 16th July, 2013. • Plantation programme on 20th July, 2013 |

| | | |
|----------------|---|--|
| 2014-15 | <p>Grants received-1,35,400</p> <p>Plantation Programme and Gap filling in Plantation in Vanmahotsava (19th July 2014)</p> <p>Cleaning Drive (December, 2014)</p> <p>Awareness Programme on Primary Health and Hygiene on the AIDS Day (1st December, 2014)</p> <p>Workshop on Self Defense -A seven day workshop was done on Karate training.</p> <p>Observation of some important days</p> <p>Independence Day (15th August, 2014):</p> <p>139th Birthday Celebration of Sardar Vallab Bhai Patel (31st October, 2014):</p> <p>Special Camp - Winter camp(22nd – 28th January, 2014):</p> | <p>CATC-XI from 07-10-14 to 16-10-14, attended by 5 cadets</p> <p>CATC-IX from 17-10-14 to 26-10-14, attended by 8 cadets</p> <p>CATC-IX from 24-06-15 to 03-07-15, attended by 7 cadets</p> <p>CATC-IV from 14-07-15 to 23-07-15, attended by 15 cadets</p> <p>CATC/IGC/TSC from 25-07-15 to 3-08-15, attended by 7 cadets</p> <p>CATC/IGC/TSC from 04-08-15 to 13-08-15, attended by 5 cadets</p> <p>.</p> |
| 2015-16 | <ol style="list-style-type: none"> 1. Plantation Programme and Gap filling in Plantation on Vanmahotsava (July, 2015). 2. Independence Day on 15th August, 2015. 3. Thalassemia awareness camp on 4th Sept., 2015.: 4. Thalassemia Detection Camp on 10th Sept., 2015. 5. Blood Donation Camp on 15th Sept., 2015. 6. Skin and Hair Care Seminar and Workshop on 24th Sept, 2015. 7. Legal Awareness camp on October, 2015. 8. Winter camp from 24th to 30th December, 2015. 9. Day camp where Special sports events organised with the school children of adopted villages on 26th, January, 2016. | <p>Participation in Thal Sena Camp Delhi.</p> |



Plate 3.6.2 and 3.6.3: NCC cadets of our college



(A)



(B)



(C)

Plates 3.6.4-3.6.7: NSS units and its activities (A) Best NSS College in 2014 By V.U (B) Health and hygiene awareness camp in village (C) Participation in Swach Bharat campaign

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?

- Surveys on nutrition status of the under privileged sections inhabiting the surrounding three villages has been done by the Departments of Nutrition and Physiology.
- Department of Physiology also conducts Health surveys on the rural children.

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.

Social Outreach is an integral part of college educational programme which inculcates a sense of social responsibility amongst students.

- These programme engage students in meaningful social service that meets community needs.
- Students also develop several skills like organizational skills – from planning to execution to evaluation; interpersonal skills – team work, cooperation; communication skills – (oral, written, report writing), and others (posters, street plays) and research skills.
- Universal and enduring values like democracy, peace, justice, tolerance, compassion, equality, pluralism and co-operation are inculcated through these programmes.
- The objective of the institute is to cater to education along with inculcating values. Through the outreach programmes the students have been successfully sensitized towards the people of economically backward community, distressed suffering or susceptible to serious diseases, constitutional awareness and other social items like blood donation and environmental awareness.

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?

The college believes in working with the people and not for the people. People's participation is ensured at all levels of planning, implementation and follow-up of our activities. Programmes are worked out keeping in mind people's needs, concerns and aspirations. What programmes will be undertaken and how they will be implemented is decided democratically along with the community. Care is taken not to impose our ideas and methods on the community. Camps arranged in rural area and organizing seminars on domestic violence and laws, Right to information Act and health awareness created encouraging impact in community development.



Plate 3.6.8 and 3.6.9: Campaigning for gender equality – Street Drama by NCC Cadets

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

Students of the College work for the promotion of education among economically under-privileged students in schools.

Our students perform outreach activities in Schools of the adopted villages and also in other institutions, among underprivileged children organizing literacy camp, English for all, health check up camps and perform survey on the nutrition and health status suggesting low cost but suitable nutritious diet chart.



Plates 3.6.10 and 3.6.11: Health Check up in schools by the Department of Physiology, Health card provided is shown on the right



Plate 3.6.12: Students of the Department of English conducting 'English for All' campaign in Ekalabya Model School, Jhargram

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

Our NSS units were declared as the 'Best NSS Unit' by Vidyasagar University in 2014.

Collaboration

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.

Although there is no official collaboration with industry, the students and faculty of the College have been benefitted from the expertise made available from other research laboratories and

institutions. The students have also been greatly benefitted by the exposure to National Level seminars, held in collaboration with reputed institutions

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.

No such MOU's have been signed. However, a number of seminars and workshops have been organized in collaboration with other academic Institutions and industries.

Give details (if any) on the industry-institution-community interactions that have contributed to the establishment / creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library/ new technology /placement services etc.

The College has a Career Counselling Cell which facilitates the visits of experts from different corporate sectors and industries in order to interact with the students and inform them about placement opportunities.

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.

Please refer to 3.1.6

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 -

- a) Curriculum development/enrichment
- b) Internship/ On-the-job training
- c) Summer placement
- d) Faculty exchange and professional development
- e) **Research: Please refer to 3.3.6**
- f) Consultancy
- g) Extension: With Sarada Kalyan Bhandar, NGO working for child education.
- h) Publication

i) **Student Placement:** Links have been created with the following companies-

| | |
|-------------------------|------------------------------------|
| 1. Wipro | 6. Smart Education |
| 2. Tech Mahindra | 7. Relax tour and travels |
| 3. Orion Edutech | 8.TATA Consultancy Services |
| 4. Infouniv | 9. Concentrix India |
| 5. Birla Sunlife | 10. Moven Infotech |

- j) Twinning programmes: Nil
- k) Introduction of new courses: Refer section 1.1.7
- l) Student exchange Nil
- m) Any other Nil

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

The College was founded with the noble vision of providing higher education to women in our country, and remains committed to this cause. The emphasis in the research, consultancy and extension activities is on holistic development of the students, and on producing quality citizens who can make a difference to the community and the environment. The College intends to collaborate with other organizations for research and consultancy within the days to come.

Any other relevant information regarding Research, Consultancy and Extension which the college would like to include.

- One DST-INSPIRE- SRF of our college named **Smt. Arpita Mandal** has participated in 5th Hope meeting with Nobel Laureates on & from 25th Feb to 2nd March, 2013 at Tokyo (Japan), jointly organized by **Japan Society for the Promotion of Science (JSPS) & Department of Science & Technology (DST), Ministry of Science & Technology, Govt. of INDIA.**
- In 2016 another DST-INSPIRE- SRF of our college named **Smt. Suchismita Roy** has gone to **Plymouth University, UK** under **Newton-Bhabha Ph.D. Placements Programme 2015-2016** on & from 1st February to 30th April, 2016 jointly organized by **British Council and Department of Science & Technology (DST), Ministry of Science & Technology, Govt. of India.**
- In this year, another DST-INSPIRE-SRF named **Smt. Shrabani Pradhan** has been selected for 8th Hope meeting with Nobel Laureates on & from 7th March to 11th March, 2016 at TOKYO (JAPAN), jointly organized by **Japan Society for the Promotion of Science (JSPS) & Department of Science & Technology (DST), Ministry of Science & Technology, Govt. of INDIA.**



Plate 3.7.1 Arpita Mandal with Nobel Laureates at Japan and Suchismita Roy with Disely White at Plymouth University, U.K.

CRITERION IV:

INFRASTRUCTURE AND LEARNING RESOURCES

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES**Physical facilities****What is the policy of the institution for creation and enhancement of infrastructure that facilitate effective teaching and learning ?**

Adequate infrastructure facilities are key instruments for effective and efficient teaching learning for any educational programmes. Thus our institution emphasizes on rapid growth on infrastructure with the academic developments of the institution. The other supportive facilities on the campus are the development of effective ambience for curricular, extra-curricular and administrative activities. The policy of the Institution is to offer such infrastructure that facilitates excellence in educational perspective and dimension.

Details of the facilities available for**a) Curricular and Co Curricular activities:**

The infrastructural facilities for curricular and cocurricular activities are as follows-

Administrative building- The Gope Palace, a separate administrative building, functions as the administrative section. The building is recognized as a Heritage Building by West Bengal Heritage Commission.

Classrooms – Three separate blocks, Arts block, Bio Science block and Pure Science block avail a total of 22 classrooms for teaching learning process..

Smart classrooms- Our College has a total of seventeen smart classes for different departments.

Laboratories- A total of twenty two well equipped laboratories with modern equipments and facilities as per the requirements of the syllabus are available in the institution.



Plate 4.1.1: (A) Laboratory of the Department of Chemistry and (B) Mathematical gallery



(A)



(B)

Plate 4.1.2: Class rooms of (A) Department of Bengali with articles of local art and culture and (B) Historical Museum

Central Library-Total area 656 sq mts having 35,656 books and subscribes to 35 journals and magazines.

Seminar Library: All the Honours departments and the Department of Physical Education have a seminar library with a total of 7,821 books.

E learning Laboratory- Equipped with 15 computers and other ICT tools.

Central Computer Centre-25 computers are available, open on all days.

Medicinal Plant Garden: One Medicinal Plant Garden has been developed with the help of financial assistance of the Medicinal Board, Govt. of WB.

Animal House- A separate House constructed and maintained as per the norms of UGC for Bio Science Departments.

Seminar Hall - Rabindraneer with A/V aids and sound system is available for conducting seminar and other academic programme.

b) Extra Curricular Activities:

Sports- Different sports infrastructure, namely, Basket ball court, Volley ball court, Kho- Kho Court is available. Provision of indoor Games facilities and Gymnasium are also available.

Auditorium – Seating capacity of 2000.

Regular NCC training and NSS activities –nAactive NCC unit having 175 cadets under an ANO and three NSS units having 300 volunteers are functioning in the college.

Cultural Activities – Cultural programmes and competitions are organized every year by the cultural subcommittee and also by the departments on a regular basis. Students participate in both in house and inter college activities. Intra and inter college cultural/yoga competition are held on a regular basis.

Other Activities-Health and Hygiene Camps for students and nearby adopted villages are also conducted on a regular basis

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).

College makes all efforts to admit maximum students as permitted by the university. Rabindranagar-the conference hall of the college is also used for taking classes and conducting examinations. The college acts as the venue of different Public examinations on holidays and Sundays. On all Sundays, our college classrooms and laboratories are utilized for conducting classes of Netaji Subhas Open University and for conduction of different certificate courses & preparatory courses offered by Career Advancement Centre (Training, Counselling cum Placement Cell of the college). The institution executes various plans from time to time to reach to its requirements. Various Projects and Proposals are sent to different Governmental organizations for the funding of such plans. A Master plans of the Institution has been enclosed with future planned expansions.

Annexure 7: Master Plan of the College

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

Our Institution takes a special care towards the students with different physical disabilities. We have a HEPSN Cell for such students. This cell provides facilities like Wheel Chair, Crutches, and Computers with special Audio effects for the blind students. We pursue the students for various scholarships. Ramps have been constructed almost in all the buildings. Proposal has been sanctioned for installation of lift.

**Give details on the residential facility and various provisions available within them:
Residential Facilities**

a) Hostel

- i. Number of hostels: 05
- ii. Number of inmates: 417 seats are available.
- iii. Facilities available in the hostels:
 - Hot water facilities with solar power generation
 - Water purifiers and water coolers.
 - Incinerator-for disposal of sanitary napkins.
 - Hostel indoor and outdoor sports facility.
 - Recreational facility-TV, Newspaper.
 - Wi-Fi in the hostel with computer facility.
 - Library facility.
 - Sanitary staff and security guards are available.
 - A full time Doctor is available for the students.

b) Residential facilities for teaching and non-teaching staff

Principal Quarters: 1

Staff Quarters: Teaching - Flat type:- 8

Non teaching: 2

Security facility:

There is a Police Camp within the campus. The college has employed private security personnel and the entire campus is under CCTV surveillance.

Cafeteria:

They are two in number. One of the Canteens is specifically for the staff. These Canteens provide extended facilities beyond working hours.

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

Health Unit is available with emergency/ first aid facilities. Health check up camps are held regularly along with thalassemia detection camp, blood group detection camp etc. A full time Doctor is available for the hostel boarders and staff. For each building, separate sweeper has been appointed for cleaning and dusting. Efforts are made to clean the toilet two times in a day.

Give Details of the Common Facilities Available on the campus-

- a) **IQAC**- Equipped with own office -computer, printer, internet and staff is available.
- b) **Grievance Redressal Cell** - An active GRC is constituted by the Teacher's council and approved by the Governing Body. GRC conducts meetings regularly and takes prompt actions against received grievances.
- c) **Women's Cell**- A dynamic women's cell in this institution regularly organize the gender sensitization programmes
- d) **Counseling and Career Guidance**- Career Advancement Centre functions on all days including Sundays and Holidays conducting Career Counselling, Psychological Counselling, several Preparatory courses and Job related certificate courses.
- e) **Placement Unit**: Career Advancement Centre organizes on campus and off campus interviews.
- f) **Canteen**- One for staff and one for student.
- g) **Recreational Spaces for Staff and Students**. Recreational facility for nonteaching staff members and students (in common room) is available.
- h) **Safe Drinking Water Facility**: Entire campus has water purifiers and coolers.
- i) **Auditorium**- Available with a seating capacity of 2000.
- j) **College Transport for staff and students**- Available. College has its own buses and another six buses which are hired from private agencies and bus trips are provided in shifts for staff and students.
- k) **Biological waste disposal** : Yes
- l) **Generators**- Green generators (three) are connected to the entire campus.
- m) **Solid waste Management facility**: dumping and removal on contract basis
- n) **Waste water management**: No
- o) **Water harvesting**: In a pond in the campus.
- p) **Day Care Centre**: Day Care Centre constructed from UGC fund and is available for staff members.

Library as a Learning Resource

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?

There is a Library Committee to look after the overall management of Library and to make the

necessary policies.

- Composition of the Library Committee:
- President: Principal
- Convener: Librarian
- Members- All the internal members of Governing Body (GB)
- All the HODs or their representatives
- Students' representative to the GB
- Other Library personnel/staff members.

Some important decisions of the committee-

- Extension of library space.
- Increase in procurement of books and e journals.
- Introduction of Library Automation.
- Initiation of Open Access System
- Installation of C.C.T.V in the library.
- Extended library facilities beyond college hours.
- Engagement of temporary staff to cater to additional work load.

Provide details of the following:

Total area of the library (in Sq. Mts.)- 368 sq. mts. (ground floor) + 288 sq. mts. =656 sq mts

Total seating capacity in the reading room: 60 (for Students) + 20 (for teachers)

Working hours (on working days, on holidays, before examination days, during examination days, during vacation):

- 1) On week days: 10 am to 5 pm
- 2) On Saturday: 10 am to 2 pm on Saturdays
- 3) During Examination Days: same as the week days
- 4) On all days including Sundays-6.00-7.30 PM for hostel boarders

Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources):

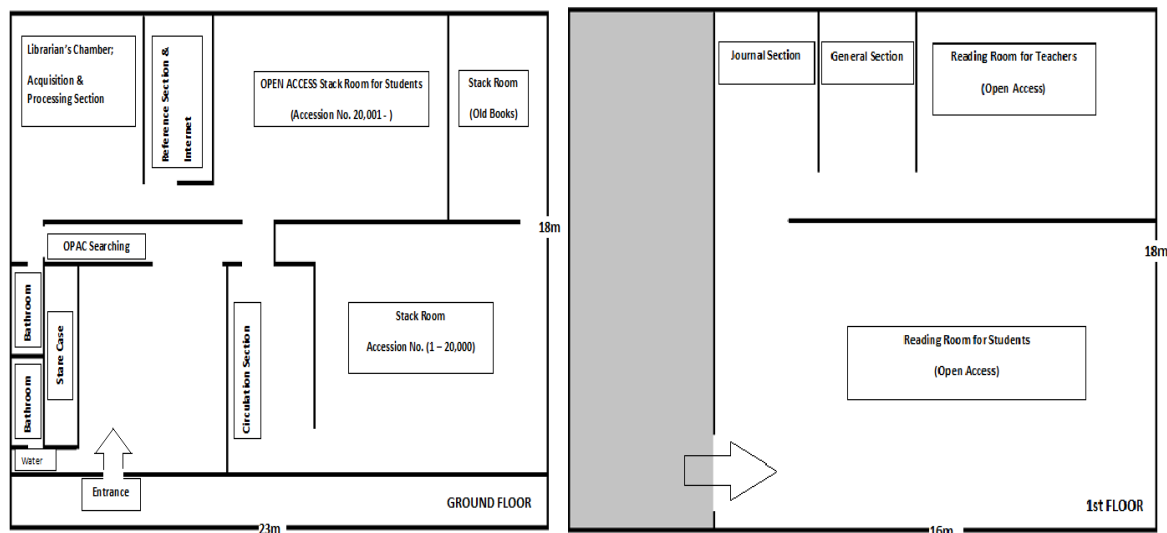
Ground floor:

- 1) Open Access Stack room,
- 2) Stack room for old Books
- 3) Acquisition and Processing Section,
- 4) Circulation Section,
- 5) Database searching (OPAC),
- 6) Reference Section,
- 7) Internet & E-journal
- 8) Drinking Water and Bathroom

1st floor:

- 1) Reading Room for Students,
- 2) Reading Room for Faculty and Staff,
- 3) General Section,
- 4) Journal Section, and
- 5) Wi-Fi zone

4.2.1: Layout of the Central Library



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

- 1) Requisition lists of books are submitted by the departments.
- 2) Then, the purchase orders are placed by the Librarian to the enlisted vendors.
- 3) After Accessioning and technical processing the bibliographic database is updated.
- 4) Finally the users can search browse and issue newly purchased documents (Books and Journals).
- 5) CAS (Current Awareness Service) is also provided by the Library

Table 4.2.1: Statistics of Expenditure and Acquisition of the Library in last 4 years

| Library holdings | Year -1 2011 - 2012 | | Year – 2 2012 - 2013 | | Year – 3 2013 - 2014 | | Year – 4 2014 - 2015 | |
|--------------------------------|------------------------|------------|-------------------------|------------|-------------------------|------------|-------------------------|------------|
| | Number | Total Cost | Number | Total Cost | Number | Total Cost | Number | Total Cost |
| Text books | 654 | 402792 | 2056 | 890189 | 2019 | 840339 | 189 | 72709 |
| Reference Books | 8 | 6200 | 8 | 6350 | 7 | 7300 | 10 | 8312 |
| Journals/ Periodicals | 27 | 25000 | 29 | 26800 | 32 | 27000 | 35 | 30000 |
| e-resources | 1 | 5000 | 1 | 5000 | 1 | 5000 | 1 | 5000 |
| Any other (News Papers) | 4 | 6600 | 5 | 10200 | 5 | 10200 | 5 | 10200 |
| * All costs are in INR | | | | | | | | |

Table 4.2.2 : Category wise statistics of Books

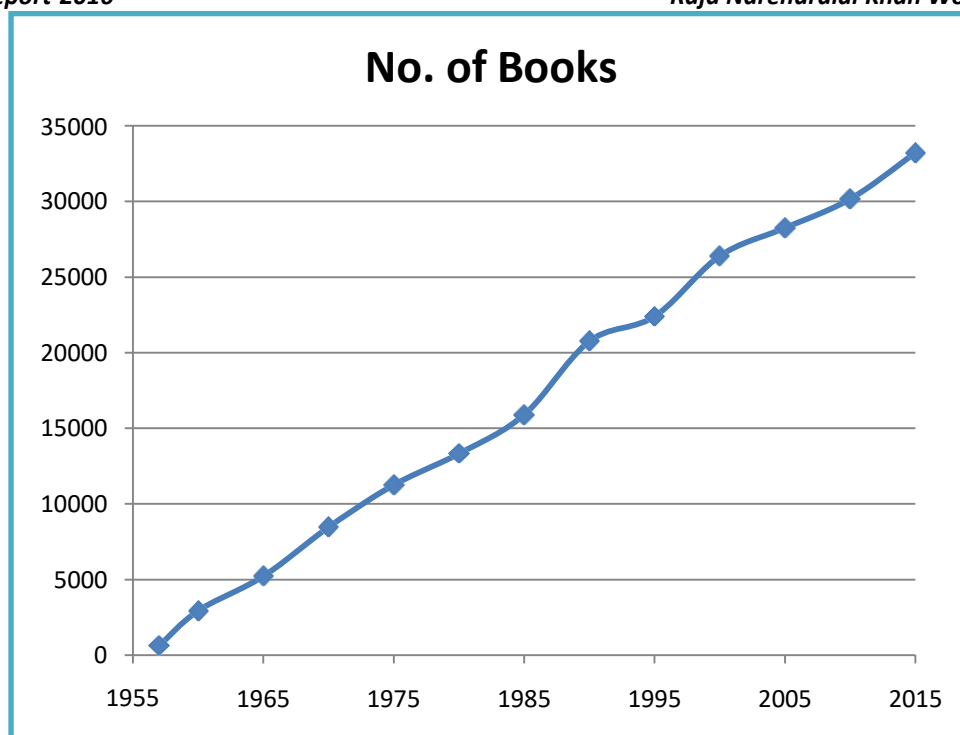
| Categories | No. of Books |
|-----------------------|--------------|
| General Acc. Register | 33201 |
| Book Bank | 1745 |
| Text Book | 709 |
| Total | 35656 |

Table 4.2.3: Subject wise statistics of books

| Sl. | Subject | No. of Books | Sl. | Subject | No. of Books |
|-----|-----------------------|--------------|-----|--------------------|--------------|
| 1 | BCA | 225 | 14 | Human Rights | 205 |
| 2 | Bengali | 6298 | 15 | Library Science | 47 |
| 3 | Biology | 55 | 16 | Mathematics | 2360 |
| 4 | Botany | 915 | 17 | Microbiology | 94 |
| 5 | Chemistry | 1292 | 18 | Music | 532 |
| 6 | Computer Science | 620 | 19 | Philosophy | 2707 |
| 7 | Economics | 1437 | 20 | Physical Education | 81 |
| 8 | English | 2414 | 21 | Physics | 1728 |
| 9 | Environmental Science | 97 | 22 | Physiology | 690 |
| 10 | General | 1769 | 23 | Political Science | 1967 |
| 11 | Geography | 1312 | 24 | Sanskrit | 2501 |
| 12 | Hindi | 219 | 25 | Sericulture | 275 |
| 13 | History | 2561 | 26 | Zoology | 800 |
| | Total | 33201 | | | |

Table 4.2.4.: Year wise statistics of books acquired by the Central Library

| Year | No. of Books | Year | No. of Books | Year | No. of Books |
|------|--------------|------|--------------|------|--------------|
| 1957 | 622 | 1975 | 11257 | 1995 | 22382 |
| 1960 | 2930 | 1980 | 13330 | 2000 | 26373 |
| 1965 | 5220 | 1985 | 15890 | 2005 | 28234 |
| 1970 | 8452 | 1990 | 20752 | 2010 | 30146 |
| | | | | 2015 | 33201 |



Graph 4.2.1: Year wise progress in Collection of Central Library

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

- **OPAC:** Yes, SOUL 2.0 Web OPAC
- **Electronic Resource Management package for e-journals:** GSDL
- **Federated searching tools to search articles in multiple databases:** NO
- **Library Website:** NO
- **In-house/remote access to e-publications:** Yes, Through User Id and Password
- **Library automation:**

Yes, Cataloguing, User management & Circulation are automated through **SOUL 2.0**

- **Total number of computers for public access:** 6 PCs
- **Total numbers of printers for public access:** 2 Printer
- **Internet band width/ speed :** 10mbps
- **Institutional Repository:** In Process (through GSDL)
- **Content management system for e-learning:** No
- **Participation in Resource sharing networks/consortia (like INFLIBNET):** Yes, NLIST

Provide details on the following items:

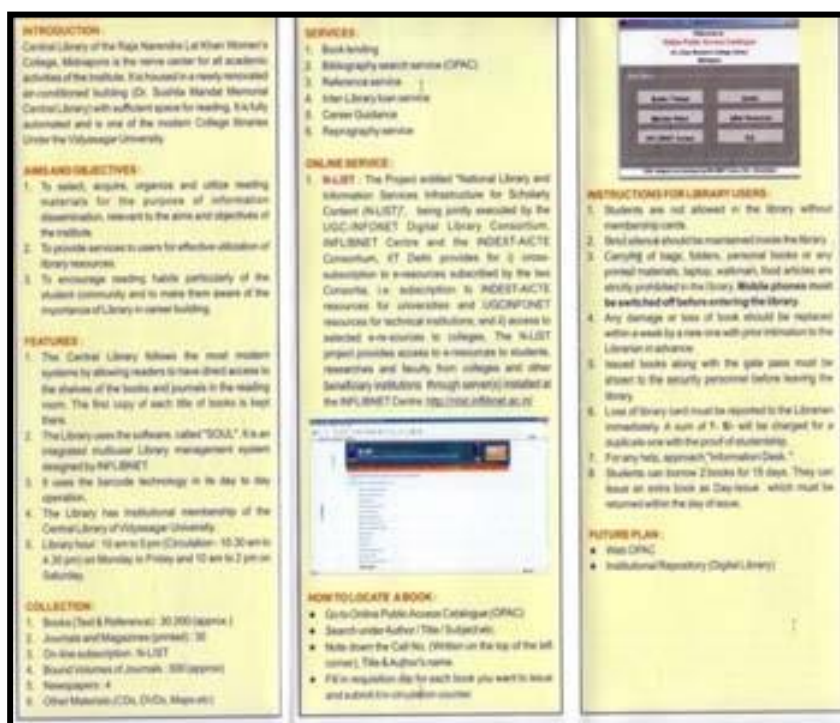
- **Average number of walk-ins: 75 - 100**
- **Average number of books issued/returned: 70-80**
- **Ratio of library books to students enrolled: 8:1**
- **Average number of books added during last three years: 1421**
- **Average number of login to OPAC: 50 - 60**
- **Average number of login to e-resources: 20-22**
- **Average number of e-resources downloaded/printed: 5-10**
- **Number of information literacy trainings organized: Once a year**
- **Details of weeding out of books and other materials:** Usually badly damaged book and lost books are weeded out from library file. (10 books per year)

Give details of the specialized services provided by the library

- **Manuscripts: No**
- **Reference: Yes,**
- **Reprography: One photocopier is available and reprographic facilities provided.**
- **ILL (Inter Library Loan Service): Yes, Institutional Membership of our library with Central Library of Vidyasagar University**
- **Information deployment and notification: Yes, Special notifications are given in the Website and Library Notice Board**
- **Download: Yes**
- **Printing: Yes, users get printing facility as and when it is required.**
- **Reading list/ Bibliography compilation: Yes**
- **In-house/remote access to e-resources: Yes, faculty members and students can access e-resources through N-LIST programme.**
- **User Orientation and awareness: Yes, once in a year**
- **Assistance in searching Databases: Yes**
- **INFLIBNET/IUC facilities: Yes**

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

Library Staff help the users in database searching and browsing, CAS and SDI. Annual User Orientation Programme is organized and a booklet with brief introduction about the Library is



The Booklet for User Orientation

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

Visually/ Physically challenged students are assisted by the Library Staff. Library extends special services to those students. Moreover, an elevator will be installed in the Library soon for such students.

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

Feedback from final year students regarding library is taken every year in the general feedback form. Parents also submit feedback in prescribed format and express their views regarding functioning of the library in parent meet. The Library preserves and analyzes the requisition slips submitted by the users. This documentation helps to know the demand of the users for the reading materials. And, this feedback is carefully considered at the time of book selection for Library acquisition next time.



Information Window

Queue before the Circulation Counter

IT Infrastructure

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 computers: 221 (configuration is given below); Laptop – 4

Table 4.3.1: Number of computers with Configuration

| Configuration | Number of Computers |
|--|---------------------|
| HP/HCL/DELL Desktop with Processor Core-i7, 4GB RAM, 500GB/1TB HDD | 02 |
| HP/HCL/DELL Desktop with Processor Core-i5, 2GB/4GB RAM, 500GB/1TB HDD | 21 |
| HP/HCL/DELL Desktop with Processor Core-i3, 2GB/4GB RAM, 200GB/500GB HDD | 77 |

| Configuration | Number of Computers |
|---|-------------------------------------|
| Desktop with Processor Dual Core, Core 2 Duo, Pentium 4, etc., 2GB/4GB RAM, | 116 |
| Baby Computer | 05 (Arts 4 and Computer Science -1) |

- Computer - student ratio - 1: 15 (approx.) as a whole; and 1: 1 in Computer Science and BCA class.
- Stand alone facility - 209
- LAN facility – LAN facility is available in Administrative Office, Library, Computer Science, BCA, Nutrition, Economics, Career Advancement Centre (CAC), Mathematics, Physiology, Zoology and e-Learning Laboratory.
- Wi-Fi facility - The entire College campus has been brought under Wi-Fi facilities through which both the teachers and the students are considerably benefitted to cope with the requirement of the day. Wi-Fi facilities are made available free of cost to all concerned and it is very much helpful for advanced level learning for both the teachers and the students.
- Licensed software - Windows XP, Windows 7 and 8 ultimate and Windows 7 professional, antivirus.
- Number of nodes / computers with Internet facility – Most of the computers inside the campus through Wi-Fi connectivity.
- Any other: Printers: 38 (Thirty eight); Printers with Scanners: 15 (Fifteen); Scanners: 05(Five); LCD Projectors: 22 (Twenty Two); Smart Class room: 17

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

The faculty and students of the college enjoy Computer and internet facility within the campus with the help of the Departmental Computers, Computer laboratories maintained by each individual Department prior to the implementation of making the college campus a "Wi-Fi Zone". Wi-Fi facility has been made available in the college campus. The Central Computer Facility in Career Advancement Centre has also been upgraded. Apart from this one e-learning Laboratory has been set up which helps the Staff to have their account for online access through INFLIBNET. The library also extends computers and internet facility and bibliographic databases through OPAC. A mandatory short term computer course has also been introduced for each student of this institution. As per the norms of the university, the college has also introduced the online admission process and the off-campus students (applicants) also use the internet/computer facilities for submission their admission form.

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

With increase in student-strength and inclusion of computer application in curriculum of different subjects, the need for more computers has been ever-increasing. The requirement is assessed on yearly basis and arrangement is made for new procurement. Rapid development in IT sector also leads to compatibility issues regarding new software and up-gradation remains a continuous process at definite intervals.

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

Table 4.3.2: Budget and expense details of Computer-purchase and maintenance

| Particulars (F. Y.) | 2011-2012 | | 2012-2013 | | 2013-2014 | | 2014-2015 | |
|--|--|-------------|-------------------------------------|-------------|-------------------------------------|-------------|--|-------------|
| Computer & Computer maintenance, Upgradation | Budget (Rs.) | Expenditure | Budget (Rs.) | Expenditure | Budget (Rs.) | Expenditure | Budget (Rs.) | Expenditure |
| | 20,000/-* (Arts) 75,000/- (Science) | 3,82,766/- | 20,000/- (Arts) 75,000 (Science) | 7,21,743/- | 20,000/- (Arts) 75,000 (Science) | 8,70,738/- | 40,000/- (Arts) 10,00,000 (Science) | 3,06,129/- |

No hard and fast Budget, Procurement and maintenance is done from the departmental budget (*) in maximum cases. In some cases, it depends on the availability of special funds like CPE, BSR, DST-FIST etc. For additional requirements, requisitions are paced in the Finance Committee for consideration and departmental visits are done if required before approval. The requisitions are forwarded to the Purchase Committee for tendering and execution. An Annual Maintenance Contract is made with a private agency (EDPL) for maintenance of hardware and software.

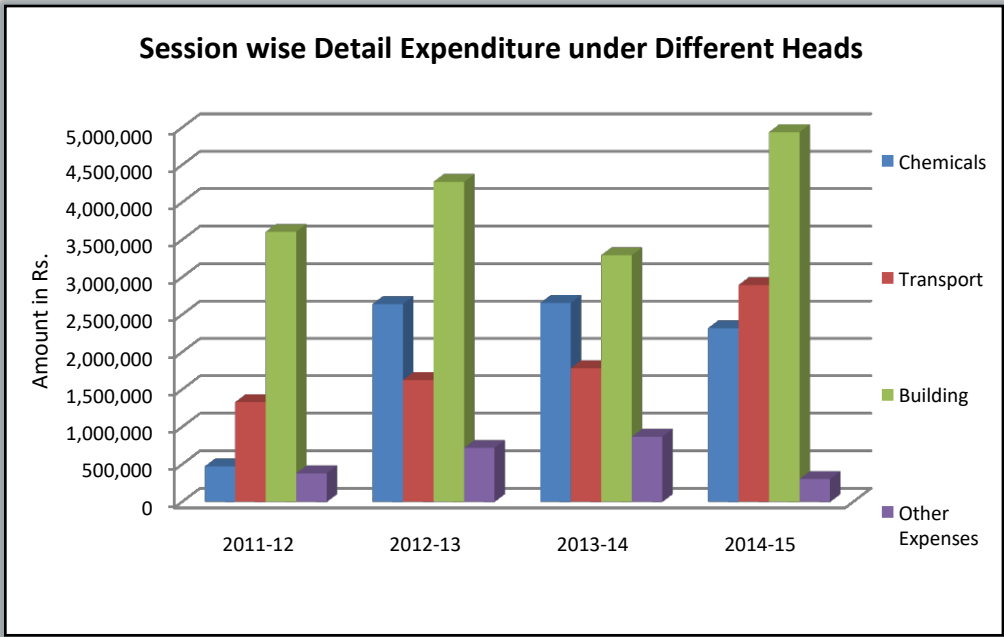


Fig. 4.3.1. Expenditure details for expenses - Chemicals, Transport of students, Building and other expenses

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?

Many teachers take help of the ICT resources to enrich their prescribed curriculum with the help of internet. Faculty members are provided computers with internet browsing facility for preparation of teaching/learning materials in their respective departments. Also, multimedia projectors are available within the college for the faculty use. The college has seventeen ICT based smart class rooms. The college has a language laboratory (English), Central Computer Centre and e-Learning Lab with all ICT facilities. The college also has a Conference hall –Rabindra Neer|| for the use of demonstration of models or conduct seminar/conference on advanced topics. Interesting multimedia/video shows are organized in the college.

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.

- Parallel to the traditional method of teaching with ink and white board, audio visual modes of teaching are being adopted by most of the departments. There are seventeen ICT based classrooms. There are 22 LCD projectors that are used on a regular basis.
- To enrich the learning experience of the student computer aided teaching/learning materials are being encouraged. Internet connection in the computer laboratory and all the departmental computers help the faculty to browse and download study materials. PowerPoint presentation by faculty improves the quality of the classroom lectures and influences students towards academic and research. Students of several departments, namely, PG-Zoology, Economics, Nutrition, Computer Science and BCA, use the departmental computer lab for the preparation of their project work and students seminar.
- The curriculum of some departments makes extensive & compulsory use of computer applications and some specific software.
- The website of the college provides all relevant information. This becomes very helpful for outstation students especially during admission procedure. The college is adopting online admission from 2015-2016 sessions.
- With a view to maintaining transparency and effective governance management adopts the application of IT at different academic and administrative levels.

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

The college has not availed connectivity through National Knowledge Network. However, the College is a subscriber of the INFLIBNET facility of UGC.

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

Optimal use of Computer Centre and network facility is done by the college by conducting various courses other than the scheduled classes of undergraduate courses. From 2006 onwards Certificate courses on computer application are being conducted for its students. From the academic session 2015-2016, the college has introduced a Mandatory Computer Course' entitled "Hands on Computer" to endow all students with basic knowledge in computer operating for all

the students irrespective of stream and courses, considering the necessity of basic operating knowledge in computer for all the students to face competition in the job market. The proposed course is of 9 hours duration comprising of Theoretical and practical classes of 8 hours and examination of 1 hour and the same is offered to the students in different batches beyond college hours. Certificates have been issued in favour of the students accordingly.

The faculty members of the Computer Science Department, BCA Department have been entrusted with the necessary teaching work in this regard apart from their normal Departmental loads as the classes are arranged by the Career Advancement Centre of the College beyond normal class hours.

The College also offers optional courses in computer operation, entitled "Certificate Course in Computer Application and Information Technology" and "Certificate Course in Computer Application and Financial Accounting" both of one year duration. Both these two courses attract a good number of students every year. The classrooms are also utilized for conducting various preparatory courses on Sundays and holidays ensuring optimal utilisation.

Maintenance of Campus Facilities

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)?

Annual budget is designed by the bursar based on the requirements placed by different department and other sections of the college like office, library, hostel etc. The Finance Committee and the Purchase Committee oversees the utilization of available allocation of budget. The realization of anticipated income/ received fund as well as actual expenditure is carefully monitored by the bursar and the Finance Committee.

Departments and other sections of the college which include office, hostel, library etc. prepare a requirement list for allocation of fund before the preparation of annual budget for consideration of the bursar, convener of the Finance Committee and accountant who are in charge of the preparation of annual budget. Again as and when requirement arises, a list of requirements is places before the Finance Committee by departments/sections of the college for necessary verification and analysis. On site/departmental visits are done before approval and the requirements are then forwarded to the purchase committee. All decisions taken in the said two committees are forwarded to the governing body for final approval.

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

Departments and sections submit a requirement list for up-keeping of their facilities and equipments from time to time. Requirements of all departments and activities of the college is presented to the Finance Committee. The committee scrutinizes the budget and gives an approval after satisfactory explanations. Purchase Committee approves the appointment of Engineers and technicians and engages private agencies on annual contract for maintenance of equipments.

- The college has fulltime electrical technicians and two part time electricians for maintenance of electrical installations.
- Computers and printers in the campus are maintained through AMC (Eastern Datatech Private Ltd.).
- Maintenance of 03 Generators (120 KVA each) is done through AMC (Kirloskar).

- Campus upkeep (cleaning of campus including parking areas, toilets and bathrooms) is maintained by two fulltime sweepers and 04 cleaners are appointed on contractual basis.
- Campus security is outsourced to a security agency (Trishakti Security Pvt. Ltd)
- Garden Maintenance is outsourced to M/S Arobindo Maity.

Table 4.4.1: Amount spent on maintenance for different heads in the last four years

| YEAR | ELECTRICAL (Rs.) | COMPUTERS (Rs.) | CLEANING (Rs.) | SECURITY (Rs.) | GARDENING (Rs.) |
|---------|---------------------|--------------------|-------------------|-------------------|--------------------|
| 2011-12 | 10,01,510 | 1,21,080 | 65055.00 | 2,10,000 | 45,200 |
| 2012-13 | 12,11,503 | 95,040 | 65055.00 | 2,10,000 | 28,100 |
| 2013-14 | 13,12,400 | 1,05,000 | 65056.00 | 2,10,000 | 40,500 |
| 2014-15 | 15,27,049 | 1,21,080 | 1,51,550 | 2,10,000 | 99,080 |

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

All the instruments/equipments in the laboratories are well maintained and standard operation procedures are followed whenever used. Regular maintenance of instruments is also done through departmental funding as well as funding from external funding agencies.

For minor instruments like pH meter, conductivity meter etc., calibrations are done every day, just before using the instrument.

For high end instruments like HPLC (High Performance Liquid Chromatography) and UV Spectrophotometer(s), the method used for calibration varies according to the instrument.

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

Main Circuit Breaker (MCB) and Earth Leakage Circuit Breaker (ELCB) is placed at prominent power supply units. Electrical earthing is done properly. Regular maintenance work for wiring and electrical installation is done by a permanent electrical staff and two part-time staff members. External agencies are also engaged in case of major repair/maintenance work is required after estimation by a qualified electrical engineer.

The college has its own pumping station with pumps operated by PHE. The college has main water storage tank of forty five thousand gallon capacity. In addition to this, there are twelve storage tanks and for water storage and constant supply.

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

College make focused efforts towards upgrading and maintaining the infrastructure of the campus. Various proposals in this regard have been submitted to different agencies and many proposals have been sanctioned by BDO, Midnapore Sadar for inclusion of our college in 100 days employment generation programme (NREGA) for campus cleaning and maintenance, Paschimanchal Unanyan parshad for roads inside the campus and by higher education for maintenance of buildings

CRITERION V: STUDENT SUPPORT AND PROGRESSION

STUDENT MENTORING AND SUPPORT

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 prospectus is provided to every student at the time of admission and annually updated prospectus is available in the website. The college prospectus provides brief information about the college, admission procedure, eligibility criteria, rules regarding attendance and discipline, subject combinations offered in Arts and Science, new academic programmes introduced, post graduate and research programmes, scholarships available from various state government agencies, prizes and endowments offered by the college, notice for ~~Zero Tolerance~~ against ragging, details about the Committee for Prevention of Sexual Harassment and names of Heads of departments and Office bearers.

The students are made aware of the following key points:

- Norms of admission, and courses offered at UG/PG level.
- Career oriented add-on courses.
- Number of seats available in each subject including general and reserved category seats.
- Selection criteria for admission.
- Fee Structure.
- Code of Conduct.
- Hostel Accommodation.
- Rules and Guidelines of the College Hostel for the students.
- Facilities provided by the college.
- Provision of student Aid fund for students requiring it, as well as awards in both academic and cultural categories.
- Internal examination system.
- Availability of an updated and well stocked Library.
- Availability of Computer and Wi-Fi Facilities.
- Games and Sports opportunity (Badminton court, volleyball court, kabaddi ground and kho-kho ground).
- Students' common room with indoor games and sports facility, along with updated magazine section.
- Canteen facility.

- Generator facility for 24hours.
- Fire extinguishers available at key locations of every building.
- Filtered water facility.
- Women's cell.
- Career Counseling Cell and Psychological Counseling Cell.

In addition the Academic Calendar is made available to the students to stay updated to the yearlong schedule of the institution.

The Institution ensures its accountability through strong and active outreach programs conducted by the college N.S.S Units (winner of _Best N.S.S Unit Award, 2014'). Through various activities of N.S.S the College organizes various outreach programs such as adoption of village areas, cleaning of College surroundings, organizing various awareness programs and health camps.

Raja N.L. Khan Women's College shows its commitment towards its students and the society by maintaining a high standard of education at U.G and P.G levels, as well as various research works being pursued under different departments. The College equally stresses on social works through its various Outreach programs to serve the lower strata of the society. The College is accountable for its administrative works to the Department of Higher Education under Government of West Bengal and The Vidyasagar University for its academic works.

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?

The college offers different types of scholarships to students. These scholarships are given through state government and non governmental agencies. These are Merit cum Means scholarships for financially backward General students, Scheduled Caste (SC), Other Backward Class (OBC), Scheduled Tribe (ST). Other scholarships from non governmental agencies include Sitaram Zindal Scholarships, Sheela Kanoria Scholarships etc. The college also provides scholarships from student aid fund to meritorious but needy students. The office and Career Advancement Centre maintains a scholarship help desk for providing information of various scholarship schemes and helps the students in filling up forms online and offline.

Table 5.1.1: Details of Scholarships from student aid fund, Scholarships from government and non Governmental agencies

| Year | Source | No. of student benefitted | Amount (Rs.) |
|---------|-------------------------------|---------------------------|--------------|
| 2011-12 | Student Aid fund from college | 317 | 1,64,175/- |
| | State Govt. | 144 | 5,19,960/- |
| | Non Govt. Agencies | 14 | 55,600/- |

| | | | |
|---------|-------------------------------|-----|-------------|
| 2012-13 | Student Aid fund from college | 401 | 2,01,750/- |
| | state Govt. | 306 | 5,48,800/- |
| | Non Govt. Agencies | 10 | 36,500/- |
| 2013-14 | Student Aid fund from college | 311 | 1,51,100/- |
| | State Govt. | 467 | 8,95,800/- |
| | Non Govt. Agencies | 10 | 37,200/- |
| 2014-15 | Student Aid fund from college | 318 | 1,51,100/- |
| | State Govt. | 273 | 58,82,600/- |
| | Kanyasree | | 22800000 |
| | Non Govt. Agencies | 15 | 55,800/- |

What percentage of students receive financial assistance from State Government, Central Government and other National Agencies?

All the scholarships/ freeships have specific eligibility criteria. The number of scholarships/ freeships to be given to students is decided by the University and State Government. Generally, 60% of students get financial assistance through these scholarships/ freeships.

Table 5.1.2: Percentage of total students obtaining scholarships

| Year | No. of student benefitted | Total number of students | % of total students | |
|---------|---------------------------|--------------------------|---------------------|--|
| 2011-12 | 475 | 2362 | 20.11 | |
| 2012-13 | 717 | 2500 | 28.68 | |
| 2013-14 | 788 | 2425 | 32.49 | |
| 2014-15 | 1518 | 2923 | 51.86 | |

What are the specific support services/facilities available for?

Table 5.1.3: Different support services/facilities

| Specified students | Support services/facilities |
|---|--|
| Students from SC/ST, OBC and economically weaker section | Assistance in obtaining Scholarships from govt. and non govt. agencies. Student Aid Fund (OBC & Economically weaker students). Remedial Coaching. Entry level coaching. Free Xerox Centre run by Career Advancement Centre. |

| Specified students | Support services/facilities |
|---|---|
| Students with Physical Disabilities | Special Ramp & wheel Chairs. An attendant for assistance if required. Wheel chair and software for blind students. Lift has been sanctioned. |
| Overseas Students | Nil |
| Students to participate in various competitions of State, National or International Level | The students of all the departments participate in various kinds of extracurricular activities, those include debates, quiz, social, cultural, drama and creative writing competitions along with different academic events including paper/poster presentation at different workshops/seminars , NSS Programme, NCC Programme organized by our College & Universities. The Cultural committee of the Teachers Council and the Students' Union ensure student participation in various programmes held in the college from time to time all the year around. Prizes for co-curricular activities to encourage our students. Students are provided with necessary administrative support in terms of permission to participate in the competition, academic support in terms of extra lectures and re-exams for such students, separate budget (cultural) for such expenditure towards travel allowances and other related needs. |
| Medical Assistance to students: health centre, health insurance, etc. | College consists of Medical Unit with a sick room, two eminent doctors visit the College and hostel weekly. Psychological Counseling Cell is run by Career Advancement Centre and the Department of Philosophy to cater to the mental health of students. We organize students Awareness Programmes for improving their health and hygiene regularly. Health Check up camps are organized at regular intervals. |
| Organizing coaching classes for competitive examinations | Several sessions for aspiring students for SSC, NET , WBCS & various competitive examination with the help of CAC . |
| Skill Development (spoken English, Computer literacy, etc.) | Students are provided with Computers with net connection in each Department. Wi- Fi is available in the campus including the hostels. The Training, Counselling cum Placement Cell of the college- Career Advancement centre provides central computer centre and various courses to help them grow their computer, spoken English proficiency and for enhancement of employability skills . Computer course and Spoken English course has been made mandatory for all students. Remedial classes are held to develop their educational skill We arrange remedial classes to help minority and backward students requiring special attention. |
| Support for —Slow Learners | Mentorship, tutorial classes and remedial classes are the support systems for slow learners. |
| Exposure of students to other institutions of higher learning/corporate/business house, etc. | Our Institution regularly organizes workshops and seminars for the students. These seminars are attended, presided and conducted by renowned persons from all over India. Students of the Science Wing and some of the humanities departments of our institution regularly undertake academic excursions and visits to various firms and institutions as a part of their academic courses. The Department of Bengali organizes workshops on Folk Art and |

| | |
|---|---|
| | Culture on a yearly basis. Department of History and Human Rights organizes workshops on gender related issues annually. Department of Sanskrit arranges workshops to promote fluency of the language among the students on a yearly basis. The Human Rights Department and N.S.S jointly organize various programs during which the students get a chance to interact with esteemed Lawyers and Judges of Midnapore Court. |
| Publication of student magazine. | Our Institution annually publishes College magazine –Sanhita to which students of all the departments contribute their writings, paintings, etc. Along with this each department publishes their very own wall magazines too. |

Describe the efforts made by the institution to facilitate entrepreneurial skills among the students and the impact of the efforts.

Our college has a E cell which was set up in the year 2009 in collaboration with STEP-IIT Kharagpur. The cell conducts – Workshops on Entrepreneurship Development on Ornamental Fishery with collaboration of Government of West Bengal . College E cell conducts workshops on Card making, Soft Toy Making, Rakhi Making and the products made by our students are sold from a counter on a regular basis.



Plate 5.1.1: Students selling handicrafts prepared by them in Poushsankrati Mela in the college campus (Fair organised on Pousankranti)

Enumerate the policies and strategies of the institution that promote participation of students in extracurricular and co-curricular activities such as sports, games, quiz competitions, debates and discussions, cultural activities etc.-

- **Additional academic support, flexibility in examinations:** Adopt and propagate flexible academic and examination plan and ensure students' academic compliance. Conducting extra practical classes / lectures to the concerned department for students who participate in various sports/cultural activities round the year.

- **Special dietary requirements**, sports uniform and materials: Sports uniform is provided. Equipments and Gymnasium facility is provided under the supervision of a physical instructor. Nutritious Food is provided to the students staying at the Hostel each and every day. Special care regarding health and hygiene is taken during Examination time. Special Tiffin and dresses are provided for the Physical Education Students participating in competitions and culturally active students during competition, program and rehearsal.
- **Any other:** The College believes in promoting overall development of students. The policy of the college is in tune with the national policy for sports. It reiterates the commitment of the college on all-round development of students. To fulfill this, the college adopts the following strategies:
Procedural and practical support to participate in all extra curricular and co-curricular events for students at state/ national and international levels is provided.
Enhancing the infrastructure for sports such as playgrounds (02), Kho Kho court (01), Volley Ball court (01), Basket Ball Courts (01), Badminton Hall (01), Table Tennis Hall (01) .
- Students are actively encouraged by their respective departments to participate in various Academic, Cultural and Co-Curricular activities on a regular basis.
- The Students competing in State Level Competitions held off campus are escorted and guided by College Staff.
- The College Central Reunion Committee –Balakall along with N.S.S, Department of Human Rights and Department of Philosophy regularly make an effort to raise the level of consciousness about Women's issues throughout the year by organizing different Seminars, Poster making competitions, Debates, Elocution Competitions on Women's issues.
- The N.S.S department is dedicated to sensitization of the College students regarding their social responsibilities by organizing various outreach programmes for the slum dwelling and underprivileged people.
- The College makes an effort at organizing activities such as Inter College Competitions in various categories like Singing, Dancing, Painting, etc. throughout the academic year.
- The College has an efficient Cultural Committee to Organize Co-Curricular activities. This Committee is responsible for organizing on a large scale various cultural functions such as The College Reunion, The Annual Function and Annual Cultural Competitions. Besides these the College also organizes several Cultural programs to observe The Independence Day, The Republic Day, International Women's Day, World Environment Day, Banomahautsav, Bhasa Divas and other such important days. The Teachers are thoroughly dedicated to preparing the students who are participating in such programs and also District, State and University level competitions.
- Apart from the Annual Sports, which is a regular event held every year with active participation from the students they are provided with various sports equipments to practice outdoor and indoor games throughout the year. A multi-gym has been provided to cater to the fitness requirements of the students. As we have a Department of Physical Education, the students are encouraged to take part in various District, Zonal and University level competitions.

The Sports Department also observes and selects students for special coaching both on and off campus.

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 / TOEFL / GMAT / Central /State Services, Defense, Civil Services, etc.

Our college has a central training cell namely Career Advancement Centre conducts preparatory classes for various competitive examinations from the year 2007. Classes are conducted on holidays, Saturdays and Sundays and beyond college hours- Study material and reference material/ resources , career oriented library services, newspapers were also provided to the participating students. Mock tests were conducted .The details are as follows:

Table 5.1.5. Support provided to the students in preparing for the competitive exams

| Year | School Service Commission(SSC) | Teacher Eligibility Test (TET) | NET/SET | WBCS/IAS (under Entry level scheme) |
|---------|---------------------------------|--------------------------------|---------|-------------------------------------|
| 2011-12 | 157 | 179 | 20 | 207* |
| 2012-13 | 209 | 250 | 20 | 187* |
| 2013-14 | 72 | - | 18 | 23 |
| 2014-15 | 105 | 141 | 18 | 22 |
| 2015-16 | 200 | - | 15 | 25 |

*Under the scheme of Coaching for Entry in Services (UGC)

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

- The college has a Counselling Cell under Career Advancement Centre. The Cell organizes Career counseling by experts as well as by internal faculty members. Workshops on future avenues after graduation are also organized.
- Psychological Counselling Cell offers counselling to the willing students to help them cope with stress and challenges of modern life by a professional Psychologist. Dr. N. Goswami, Psychologist of Bankura Medical College attends these sessions conducted beyond college hours.
- Workshops on Stress Management are organized where expert psychiatrists act as resource persons.
- Mentorship is practiced to provide personal counseling.

Does the institution have a structured mechanism for career guidance and placement of its students? If _yes_, detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).

The training and placement cell of the college assists students in career guidance and placements. The initiatives of the cell can be categorized into pre-placement and placement activities. The initiatives includes -

- Career guidance workshops and sessions.
- Preparatory courses for competitive examinations.
- Mock/practice tests.
- Special 1-2 month interview preparatory courses.

- Mandatory Computer training and Spoken English.
- Tie up with placement agencies like 2 Coms and Orion Edutech for placement of students.
- Conduction/arranging on-campus and off-campus interviews-



Plate 5.1.2: Campus interviews by Tech Mahindra and Wipro

Table 5. 1.2: Students of preparatory courses selected in SSC and in Placement drives

| Year | Students selected in SSC from preparatory courses | Students selected through placement | Companies visited |
|---------|---|-------------------------------------|--|
| 2014-15 | Results awaited | 47 3 | Tech Mahindra, Concentrix India, Moven Infotech Off campus coordinated with IT sector of WIPRO and TCS. |
| 2013-14 | 103 | 20 | WIPRO, Tech Mahindra |
| 2012-13 | 74 | 6 | WIPRO, TCS Ignite (off campus) |
| 2011-12 | 155 | 23 | Thermax, WIPRO, Infouniv, Birla Sunlife, Relax Tour and Travel |

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

Yes, the college has a mechanism for addressing the grievances of students- A Grievance Redressal Cell (GRC) is constituted for the students and staff members.

Composition:

Teacher members-

1. Dr. Sukla Chakladar
2. Dr. Anita Saha
3. Mrs Debjani Mukherjee
4. Dr. Rupa Dasgupta
5. Mrs Anjali Pramanik
6. T.C.S
7. All HOD's and Incharges
8. Dr. Parul Chatterjee
9. Dr. Bipul K. Mandal

10. Dr. Angshuman Chanda

11. Dr. Tilak Das

Non Teaching Staff

1. Sri Bimal K. Malik

2. Sri. Krishna K. Chakraborty

3. Sri Susanta K. Roy

4. Sri Kalachand Dey

5. Smt. Sagarika Rajak

6. Sri Asis K Dey

7. Sri Saurav Khamari

8. Sri Anup K. Bhakta

9. Sri Nishikanta Maity

10. Sri Ranjit Bakshi

11. Sri Mintu K. Bose

12. Sri Anupam Chakraborty

The Suggestion boxes have been installed at prominent locations in the campus. Written suggestions are read periodically and addressed by the Grievance Redressal Cell. Students have grievances regarding non-availability of extended hours for library, lack of cleanliness in the campus and hostel facilities and adjustments of large theoretical as well as practical batches. Appropriate and timely action have been taken on these grievances.

what are the institutional provisions for resolving issues pertaining to sexual harassment?

The college has a Committee for –Prevention of Sexual Harassment Cell” The composition of the cell is as follows-

1. Dr. Rina Pal
2. Mrs. Gargi Meddya
3. Mrs. Mita Biswas
4. Mrs. Anjali Pramanik
5. T.C.S
6. All HOD's and In-charges

Functions of the committee include creating awareness amongst the staff and students, thoroughly investigating grievances of this type (if any) and ensuring that justice is done as per –Vishakha Guidelines against Sexual Harassment at the work place. Guidelines are displayed at prominent locations and discussed with the students and staff.

Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

Yes. The college has an *Anti-ragging Committee*. The Composition of the Committee is as follows:

The Anti Ragging committee consists of:

Chairperson: **Head of the institution** - Dr. Jayasree Laha

1. Representative of **civil administration** : As designated by D.M
2. Representative of **police administration**: (A) Sri Susanta Rajbanshi, I.C. Kotwali P.S. Midnapore (B) Sri Hritik Biswas , S.I. of Police (C) Smt. Maya Chakraborty, Lady Constable of police No. 2945
3. Representative of **local media** : (a) Mr. Nishit Das , Editor, Sabyasachi

(b) Mr. Tarasankar Chakraborty, Editor, Medinipur Times.

4. Representative of non government organisation (NGO) involved in youth activities : Prof. Rekha Sarkar , Secretary , Sarada Kalyan Bhandar, A Charitable Trust

5. Representative of **faculty members** :

(a) Smt. Anjali Pramanik, Convener

(b) Dr. Rina Pal

(c) Smt. Ila Nanda

(d) Dr. Parul Chatterjee

(e) Dr. Swapna Ghorai

(f) Smt. Gargi Medda

(g) Dr. Debashree Gupta

(h) Smt. Debjani Mukherjee

(i) Dr. Rupa Dasgupta

(j) Dr. Angshuman Chanda

(k) Mr. Biswajit Adhikary

6. Representative of **non-teaching staff** :

(a) Mr. Bimal Malik

(b) Mr. Krishnakanta Chakraborty

(c) Mr. Ranjit Bakshi

(d) Mrs. Sagarika Rajak

7. Representative of **parents** :

(a) Mr. Ajay Kr Sarkar

(b) Mrs. Ranjana Palit

(c) Mr. Sujan Mukherjee

(d) Mr. Kartik Chandra Patra

(e) Mr.Chandra Sekhar Maity

(f) Mr.Sisir Kumar Mahata

8. Representative of **students**: Smt. Debalina Chakraborty (G.S.of Students Union).

The Committee regularly monitors overall discipline in the campus. One incident of ragging was reported in 2014. One hostel boarder filled a complaint in the Midnapore Police Station against some students and staff members for causing alleged harassment. Immediate action including conduction of enquiry by the Anti Ragging Squad was done as per UGC norms. The report was send to UGC, Vidyadagar University and State Government within 15 days of the occurrence of the incident. All recommendations of the said enquiry report were adhered to. The matter is subjudice.

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

(a) Student Aid Fund

–Student Aid Fund (Poor Student Fund)¶. The college teachers donate 100/- annually from which the student aid fund is generated. A committee disburses the fund to the students yearly on the basis of applications received.

(b) Earn and Learn Scheme

Students are trained to prepare articles – greeting cards, rakhi and soft toy which are sold by the college and revenue earned is handed over to the students.

(c) Subsidized Canteen

Canteen rates are lower by 25% to 40% as compared to nearby restaurant.

(d) Student counseling and support

Career Advancement centre offers Career Counselling and Psychological Counseling to willing students to solve their personal problems or problems related to academics in the college.

Students from rural areas are especially counseled by teachers and this helps them adjust to city life.

e) Placement cell initiatives

Tie up with placement agencies for placement of student and conduction/arranging on-campus and off-campus interviews.

f) Free Xerox Centre

Every year hundred SC/ST/OBC/Minority and General but financially weak students are given this facility to Xerox 300 pages free of cost from the Career Advancement centre-Free Xerox Centre every year.

Does the institution have a registered alumni association? If 'yes', what are its activities and major contributions for institutional, academic and infrastructure development?

Yes, Raja N.L Khan Women's College has an Alumni Association. This Association goes by the name 'Balaka' and has a deep bond with the College. It regularly organizes Seminars, Awareness programs and Health Camps for the benefit of the students. Every year the Alumni organize a day-long reunion program. The Ex-Students of this college organize Exhibitions, Seminars and Cultural programs to commemorate this day. In addition to this every year the Alumni association arranges at least two Health Camps, one Blood Donation Camp and one Memorial Lecture in loving memory of our former Principal Dr. Sushila Mondal.

The 'Balaka' reunion also plays a vital role in helping our ex-students in self employment ventures. Various initiatives are taken by the association to encourage the ex-students in such ventures.

The Alumni Association also publishes its own annual Magazine.

Table 5.1.7: Activities of Alumni Association-Balaka Praktani Samsad

| Year | Activities |
|----------------|---|
| 2011-12 | <ul style="list-style-type: none"> • Seminar on –Female Health Awareness Campaign on PCOS on 7th December, 2011. • Health check up camp on 7th December, 2011. • Dr. Sushila Mondal Memorial Lecture on 10-12-2012. • Reunion and Annual General Meeting on 10-12-12. |
| 2012-13 | <ul style="list-style-type: none"> • Seminar on Rabindra Darshan on 25-11-2012. • Dr. Sushila Mondal Memorial Lecture on 08-01-2013. • Reunion and Annual General Meeting on 9-01-2013. • Health check up camp on 10-2-2013. |
| 2013-14 | <ul style="list-style-type: none"> • Dr. Sushila Mondal Memorial Lecture on 08-01-2014. • Reunion on 5-1-2014. • Contribution to college garden development. • Annual general Meeting on 6-7-2014. |

2014-15

- Free health check up camp on 18-2-2015.
- Seminar lecture on 20-2-2015.
- Dr. Sushila Mondal Memorial Lecture on 24-2-2015.
- Blood Donation camp on 31-3-2015.
- Annual general Meeting on 10-7-2015.
- Tree plantation Programme on 16-7-2015
- Free health check up camp on 25-8-2015.
- Quiz Contest on 3-9-2015.
- Seminar on thalassemia on 4-9-2015.
- Thalassemia detection camp on 8-9-2015.
- Blood Donation camp on 11-9-2015.
- Health check up camp on 16-11-2015.
- Literacy camp on 7-12-2015.
- Dr. Sushila Mondal Memorial Lecture on 08-12-2015.



Plate 5.1.3: Plantation programme and blood donation camp by Balaka- the Alumnae association

Student Progression

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

Table 5.2.1: Student progression

| Student progression | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
|---------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| UG to PG | 60-70%(Arts) 50-60%(Science) | 60-70%(Arts) 50-60%(Science) | 60-70%(Arts) 50-60%(Science) | 60-70%(Arts) 50-60%(Science) |
| PG to M.Phil. | ---- | ---- | --- | --- |
| PG to Ph.D. | ---- | --- | -- | --- |

| Student progression | 2011-12 | 2012-13 | 2013-14 | 2014-15 |
|---|-----------------------|-----------------------|-----------------------|-----------------------|
| Employed | 50-60% * 60-80% ** | 50-60% * 60-80% ** | 50-60% * 60-80% ** | 50-60% * 60-80% ** |
| <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment | 0.5-1% | 0.5-1% | 0.5-1% | 0.5-1% |

**Computer Sc, BCA, Physics, Chemistry, Mathematics, English, Zoology, Botany, Physiology, Nutrition.

*Rest Departments

Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.

Table 5.2.2: Pass percentage (programme wise) of Raja Narendra Lal Khan Women's College in the last four years and comparison with Midnapore college and Garbeta College.

| | 2011-12 | | | 2012-13 | | | 2013-14 | | | 2014-15 | | |
|--------------------------|---------|-------|-------|---------|-------|------|---------|-------|-------|---------|-------|-------|
| | RNLKWC* | MC** | GC*** | RNLKWC | MC | GC | RNLKWC | MC | GC | RNLKWC | MC | GC |
| B.A (H) APPEARED | 332 | 368 | 218 | 311 | 368 | 218 | 320 | 381 | 191 | 308 | 347 | 209 |
| B.A (H) PASSED | 323 | 352 | 206 | 301 | 352 | 202 | 315 | 344 | 188 | 307 | 345 | 203 |
| COMPLETION RATE | 97.28 | 95.65 | 94.0 | 96.78 | 95.65 | 94 | 98.43 | 90.29 | 98.40 | 99.67 | 99.42 | 97.12 |
| B.SC (H) APPEARED | 197 | 321 | 103 | 189 | 321 | 103 | 212 | 455 | 136 | 262 | 416 | 101 |
| B.SC PASSED | 195 | 313 | 95 | 186 | 313 | 95 | 208 | 413 | 134 | 253 | 400 | 97 |
| COMPLETION RATE | 98.98 | 97.5 | 92.0 | 98.41 | 97.5 | 92.0 | 98.11 | 90.77 | 98.51 | 96.56 | 96.15 | 96.03 |
| B.A(G) APPEARED | 84 | 269 | 363 | 74 | 273 | 363 | 100 | 440 | 291 | 78 | 273 | 318 |
| B.A (G) PASSED | 75 | 259 | 346 | 70 | 263 | 346 | 96 | 265 | 285 | 66 | 263 | 309 |
| COMPLETION RATE | 89.0 | 96.2 | 89.0 | 94.3 | 96.3 | 89.0 | 96.0 | 60.23 | 98.2 | 84.61 | 96.3 | 97.16 |
| B.SC (G) APPEARED | 08 | 18 | 14 | 06 | 19 | 14 | 10 | 25 | 12 | 13 | 18 | 22 |
| B.SC (G) PASSED | 08 | 17 | 13 | 0 | 17 | 13 | 10 | 18 | 11 | 12 | 17 | 19 |
| COMPLETION RATE | 100 | 94.4 | 93.0 | 100 | 89.4 | 93.0 | 100 | 72 | 92.0 | 92.3 | 94.4 | 86.36 |
| P.G APPEARED | 22 | 110 | NA | 22 | 110 | NA | 24 | 110 | NA | 24 | 110 | NA |
| P.G PASSED | 22 | 110 | NA | 22 | 110 | NA | 24 | 110 | NA | 24 | 110 | NA |
| COMPLETION RATE | 100 | 100 | NA | 100 | 100 | NA | 100 | 100 | NA | 100 | 100 | NA |

* Raja Narendralal Khan Women's College

** Midnapore College

* ** Garhbeta College

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

The college takes numerous initiatives to inspire and motivate students to pursue higher education after their graduation / post-graduation. For instance, when the teachers orient their students in the first year classes, a broad outline of the scope of that subject and avenues that are open for the students after their degree courses are discussed. Guest lectures by eminent academicians/ experts in the field are arranged by all the departments so that the students get a chance to interact with experts who have contributed very meaningfully to their discipline. This can also serve as a guiding light for students to pursue higher education in their field. For subjects like Physiology, Nutrition, Zoology, Microbiology, Computer Science and BCA the students do their project work/visit institutes/university departments/industries of repute which helps them to understand practical applications of their subject and helps them in progressing further.

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

Mentors try and identify students who are at risk of failure and special tutorial classes are arranged by some departments. All the honours departments provide remedial teaching to academically weaker students. Otherwise, students who are likely to drop out owing to financial problems are given financial support from the Student Aid Fund of the college and are assisted to apply for different scholarship schemes through scholarship help desk. Counselling and guidance is provided to students who are depressed and/ or mentally weak/insecure or lacks confidence.

Student Participation and Activities

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

The college offers a wide range of sports/ games to students. The indoor games include Badminton, Table Tennis, Chess, Carrom, outdoor games include Athletics, Basket Ball, Volley Ball, Cricket, Kabaddi and Kho-kho. Recently combat games like Karate has been introduced.



Plate 5.3.1: Training on Self Defense – Karate

The details of student participation in various sports/ games is as follows: (last Five Years)

Table 5.3.1. College annual sports

| Year | Annual Sports held on | Number of participants |
|-------------|-----------------------|------------------------|
| 2011 | 02-12-2011 | 270 |
| 2012 | 14-12-2012 | 282 |
| 2013 | 05-02-2013 | 277 |
| 2014 | 28-11-2014 | 271 |
| 2015 | 30-11-2015 | 283 |

Table 5.3.2. Major achievements of students in sports are as follows

| Year | Game/Event | Number of participants | Selection |
|----------------|-----------------------------|------------------------|--------------------------------------|
| 2011-12 | Inter-college Athletic meet | 08 | Nil |
| | Inter-college Kho Kho | 12 | 02 students selected for university. |
| | Inter -college Kabaddi | 10 | 01 students selected for university. |
| | Inter- college Chess | 02 | 01 students selected for university. |
| 2012-13 | Inter-college Athletic meet | 13 | 3 rd in Javelin throw. |
| | Inter-college Kho Kho | 12 | 3 rd in 400 mts. run. |
| | Inter -college Kabaddi | 10 | 02 students selected for university. |
| | Inter- college Chess | 02 | 01 students selected for university. |
| 2013-14 | Inter-college Athletic meet | 08 | Winner and runner. |
| | Inter-college Kho Kho | 12 | 2nd in high jump. |
| | Inter -college Kabaddi | 10 | Nil |
| | Inter- college Chess | 02 | Winner. |
| | Inter-college Yoga | 04 | Nil |
| 2014-15 | Inter-college Athletic meet | 05 | Nil |
| | Inter-college Kho Kho | 12 | 02 students selected for university. |
| | Inter-college Yoga | 04 | Nil |

The Students of Raja N.L Khan Women's College, are well adept in balancing both their Curricular and Extra-Curricular activities. The following is a list of the major Cultural and other Extra-Curricular events of our College-

- The College Foundation Day and The Annual Prize Distribution Ceremonies are formally celebrated with splendor on 22nd August every year.
- The College celebrates National Commemorative Days like 26th January (Republic Day), 15th August (Independence Day), 25th May (Birthday of Rabindranath Tagore), Saraswati Puja, Banomahatsav, Human Rights Day, 21st February (Bhasa Divas) with proper respect and solemnity.
- Every year on 8th March the college observes International Women's Day.

- The Students celebrate Teachers day with due respect to the teachers every year.
- Fresher's is organized every year in the month of August.
- Every year in the month of February the College Cultural Organization arranges a 3-day Cultural Competition.
- Swami Vivekanda's birthday is observed every year on 17th January.
- Other than these Essay, Quiz and Poster making competitions are organized regularly.



Plate 5.3.2 and 5.3.3: Participation in cultural activities and sports

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.

Table 5.3.3: Number of participants in cultural events

| | Level | | | |
|------|------------|-------|-------|----------|
| Year | University | State | Zonal | National |
| 2012 | 14 | 4 | 1 | 1 |
| 2013 | 14 | 3 | - | - |
| 2014 | 14 | 4 | - | - |
| 2015 | 14 | 2 | - | - |

Special Reference-

Cultural Activities-

- In 2012 Adrija Tripathy of Department of Microbiology was selected for National Scholarship in Dance.
- In 2013-14, Smt. Tanuman Dhara of Department of Music participated in The Yuva Utsav and secured 1st Position.
- Smt. Tithi Panchali of Department of Nutrition participated in The Inter-University Dance Competition.

Extracurricular activities-

Rina Samanta (Nutrition)- Ranked 1st in the block - level quiz competition on National Voters' Day 2013

Riya Atta (Nutrition) - Ranked 3rd in the block - level quiz competition on National Voters' Day 2013

Arpita Bose (Nutrition) - Ranked 3rd in the block - level quiz competition on National Voters' Day 2013

Arpita Bose (Nutrition) - Ranked 2nd in block- level debate competition

Rina Samanta (Nutrition) - Ranked 3rd in the District level quiz competition 2012

Seuli Santra (Nutrition) - Ranked 1st in block- level quiz competition 2014.

Mandira Kundu (Physiology) - 3rd prize, Youth Science Camp, Govt. of WB

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 college has a system whereby students give feedback on teaching and on general facilities on their 3rd year. Parent Feedback is also taken during parent meet and alumnae feedback is collected during departmental as well as central alumnae meet. This feedback is analysed by the Principal, convener of the Parent Committee, Convener of Academic Committee and Secretary-Alumnae Association. Concrete recommendations are placed in IQAC, Academic and Finance committee and forwarded to GB for implementation.

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.

The college publishes a magazine called –*Sanhita*||, which is a joint venture of teachers and students. Essays, articles with critical evaluations of various events, poems and paintings published in this magazine.

Many departments like Botany, Microbiology, Zoology, Physiology, Nutrition, English, Bengali, History also publish a wall magazine by the students every year.

Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

The college has a –*Student Union*|| for every Academic Year. The selection of –*Student Union*|| is as per the statutory provisions of Vidyasagar University.

Objectives of Student's Union

- a) To bring unity among the students
- b) To promote academic, scientific, cultural and social outlook among the students
- c) To promote discipline, sense of responsibility and integrity among the students
- d) To foster healthy and cultural relations with the teachers and non-teaching staff of the college

Election procedure:

Election of the union is held in accordance with the principle of simple majority voting system and through secret ballot. The elected members elect the office bearers in the first meeting presided over by the principal within 7 working days from the date of election. The election of the office bearers is also held in accordance with the principle of simple majority voting system and through secret ballot.

Constitution of the Student's Union:

The executive body of student's union consists of :

- 1) President
- 2) Vice-president
- 3) General Secretary

- 4) Assistant General Secretary
- 5) Secretaries of different sections(Sports, cultural, magazines, student welfare)
- 6) Class representatives from each class of each stream in the ratio of 25:1

Funding:

Fund is built with the amount of fees for student's union collected from the students. The union may, however, seek contribution from any other source for any specific purpose with the approval of the Principal of the college.

Activities of the office bearers:

President: to preside over all the meetings of the executive body of the student's union except the first meeting.

Vice-president: to preside over the meeting in the absence of the president

General Secretary: to carry out day to day functions of the union as the executive head of the union

Assistant GS: to assist the GS and to discharge the duties of GS in her absence

Sectional Secretaries: to carry out the duties of their respective sections

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

Student representation and participation has been an integral part of academics as also of the various activities of the college. Student representation is on the following committees:

- Finance committee
- Purchase committee
- Governing Body
- Anti-Ragging committee
- Committee for Prevention of Sexual Harassment

How does the institution network and collaborate with the Alumni and former faculty of the Institution.

The college invites former faculty members and alumni for seminars and conferences organized by the college and they are felicitated on such special occasions. Some of the former faculty members /Principals are invited to deliver special sessions at teachers' training programme. Through such functions the present faculty members and students get an opportunity to interact with the alumni and former faculty of the institution. 22nd August is the Foundation Day of the college. On this day, all the alumni and parents are invited to visit the college and interact with the staff.

CRITERION VI: GOVERNANCE AND LEADERSHIP

Institutional Vision and Leadership

State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

Right from the foundation of Raja N. L. Khan Women's College in August 1957, its pivotal aim has been to empower the womanhood through a proper admixture of both pragmatic and mental developments. The students are time and again reminded of the speech given by Dr. B. C. Roy on 10th October 1961 in which he has said that the student of this college should enkindle their mental matrix with ~~an~~ ideal of complete womanhood —Not only that but also the teachers, staff and others are keenly conscious of this noble mission. They are always doing their best in order to instill into the mind of the students the notion of womanhood which would flicker up the flame of feminism, there by reorganizing and reshaping their thinking structure.

Apart from general transmission and generation of knowledge through class room teaching, the objective of the college is to make the students self reliant and ideal human beings with the knowledge of modern science and ancient culture. This ambience is reflected in the courses offered to the students by providing modern sciences like Computer Sciences, BCA, Microbiology and Nutrition on one hand whereas Sanskrit, Philosophy and Music on the other hand. Besides NCC and NSS programmes in the college make the students conscious of their societal responsibilities at large. Research facilities available in the college also try to elevate it to an advanced center of learning. It is needless to say that the college emphasizes on expansion of women education in West Bengal and is being considered as a leading institution in the field of woman education in West Bengal. Presently the college imparts Post Graduate teaching in Zoology under Vidyasagar University and in the various streams of science and arts under the aegis of Netaji Subhas Open University. The Vision and mission of the college thus can be summarized as-

- Empowerment of women especially of the rural and backward area.
- Upliftment of socially and financially weaker section of the society through disbursement of knowledge.

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

The management follows the strong monitoring mechanism on the teaching learning process of the college, i.e. whether the departments are following their routine, teaching plan, whether the syllabus is completed on time and internal assessment are conducted properly are also monitored through the review made in the academic committee meetings. Information on infrastructural requirements, requirement of technical support for faculty and nonteaching staff have been collected from different committees like Teacher's Council. Academic Committee and IQAC for designing the route plan of the institution. Principal, TCS (Teacher's Council Secretary), IQAC Coordinator and internal GB members play an important role **in designing and implementing** quality policies and plans. Responsibilities of the staff members are carefully assigned in the meetings of Teacher's Council and different committees formed with

teaching and non teaching staff members. The conveners of different committees convey meeting on a regular basis to decide the various matters pertaining to the committees. Proper notices are served and circulated so that all staff member are aware of different activities of the management. All these steps have been taken for effective implementation of the quality enhancement strategies

What is the involvement of the leadership in ensuring:

- **the policy statements and action plans for fulfillment of the stated mission ?**

Inspired by the Institutional mission, the Principal of the College maintains coordination with all stakeholders and the Governing Body, the IQAC and the Teachers' s Council in formulating the policy statements and action plans.

formulation of action plans for all operations and incorporation of the same into the institutional strategic plan ?

The different sub committees are formed by the Teacher's Council and Governing Body which formulate the action plans and are in approved in the Governing Body .

- ❖ **Interaction with stakeholders**

Interaction with stakeholders is a continuous process which involves dynamic exchanges between the parents and the teachers at the departmental level. The Principal also mediates at such meetings as and when necessary. Keeping the parents updated about their wards' progress is an essential component of the teaching learning process and this is taken care of at such meetings. Faculty members are also encouraged by the Principal to undertake Minor Research

Projects and faculty development programmes. The Teachers' Council is an important forum where issues related to academic matters and overall development of the College in general are taken up. TC meetings are presided over by the Principal point to visit the college when they directly interact the principal and teachers. The Principal and faculty members regularly interact with the students who are the most important stakeholders. The IQAC seeks their feedback and necessary steps are taken to address their concerns.

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

Need analysis is enabled by mutual interaction between various stakeholders. The presence of a Grievance Redressal Cell and Anti Ragging Cell and an Students' Union ensures a healthy atmosphere in the College. The evaluation forms filled up by the outgoing third year students also helps in assessing the needs of the students. The Principal intervenes at every level of such interaction between stakeholders whenever necessary.

- **Reinforcing the culture of excellence**

In order to reinforce the culture of excellence, the Principal, Governing Body and the faculty members with the cooperation of the Government have taken the following measures: The departments of Human Rights, History and Philosophy along with Women's cell, which renders its service to gender issues. Regular Workshops and Seminars are conducted to make the students aware of the issues relating to women.

- **Champion organizational change**

The College runs a Career Counselling Cell which bridges the gap between the students seeking job and the reputed companies and organisations which can offer appropriate job opportunities.

The College has a Students' Union which takes care of the issues of the students. Students' Union election is conducted every year. Representation for the posts is taken from the students of UG level of both the Science and Humanities departments and the first year students of the Post Graduate department.

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?

The college has made consistent efforts towards enhancing the overall –Qualityll of academics and administration. For every academic program, an Academic audit of teachers is carried out during CAS and the report is sent to the Higher Education Department. Feedback is taken from parents, students and alumnae by the IQAC to evaluate various systems running in the college. For administration, web-based college administration system has been used right from student admissions to administration. Different committees of the college review and monitor the plans and policies and suggest necessary reforms. After proper assessment of the suggestions, the Governing Body take the final decisions.

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

Principal gives freedom to the faculty members to develop academic leadership. The faculty is given the opportunity to act as conveners, coordinators or members of various committees and academic events organized by the college. Teachers can also work in various bodies of the university and other institutions.

The Heads of departments are given freedom to administer their respective departments, plan and execute academic programs. Post Graduate Programme Coordinator is appointed to facilitate smooth conduct of post graduate classes and other academic activities

How does the college groom leadership at various levels?

Responsibilities of the staff members are carefully distributed among them in the T.C meeting and in the governing Body meetings. Different committees are formed with teaching and non teaching staff members. Administrative and academic responsibilities are distributed to the conveners/coordinators for different committees to groom leadership at different levels.

The main points in this regard are-

- Involvement of all sections/members in the college activities of his / her interest.
- Circulation of the list of activities / committees amongst the faculty, staff and students.
- Assign responsibilities by providing freedom and necessary support for implementation.
- Appreciate the innovative ideas and leadership qualities shown by members.

6. 1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?

The various departments of the College works under the leadership and supervision of their respective Heads/Coordinators/in charges who take individual decisions regarding syllabus distribution, routine and purchases of their departments after discussion in the departmental committee meetings. The different units like the NSS, NCC, NSOU study centre and Training, Counselling and Placement Cell enjoy operational autonomy to plan their activities.

6.1.8 Does the college promote a culture of participative management? If yes, indicate the levels of participative management.

Yes, the college is committed to a culture of participative management. The Principal, Secretary-Teacher's Council, GB members and IQAC coordinator is responsible for academic and administrative leadership of the college. The Principal meets regularly with Heads of departments, conveners/coordinators of committees and internal GB members to discuss academic or administrative issues. The IQAC meets periodically to discuss the points related to the quality policy and plans. The IQAC also includes faculty members along with members from the society for the policy / plan formulation and its implementation. Faculty members from IQAC play an active role in the management of academic activities of the college. Students actively participate in various curricular, co-curricular and extra-curricular activities. Faculty members participate in the management process not only as members of the Governing body but also as members/coordinators/conveners of different committees. The provision of membership of students in different committees (namely Saraswati puja committee, Foundation day celebration committee, hostel committee) also helps to promote the participatory management system.

Strategy Development and Deployment

Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

Yes. The college has a distinct quality policy oriented towards achieving the goals and mission. The IQAC has revised and reviewed the quality policy through the involvement of stakeholders. The –Quality Policy‖ of the college is driven by the teaching and non teaching staff of the college and also by our students. The deployment of –Quality Policy‖ is channelized through:

- Taking a formal feedback on teaching-learning process of all the programmes.
- Encouragement and appreciation provided to the teachers for their contribution in college activities.
- Providing a platform of opportunities to enhance their competency levels.
- Addressing the issues related to recruitment of guest teachers, their workload and teaching plans for each academic semester.
- Providing special infrastructure in terms of learners' needs.
- Focusing on Societal outreach programme
- Focusing on overall development of students.
- The policies are reviewed in Academic committee, Teacher's council and Governing Body of the college.

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

Yes. The college has a perspective plan of development which is developed by the Governing Body. This plan is reviewed as per the needs of learners and in keeping with the higher education policies of the state and UGC. Some of the aspects are

- Growth in terms of academic programmes that focus on skill based education. e.g. Computer Application, Soft Skill Development, Art and Craft, Dance.
- Formalize –Procedures and Policies‖ for development of research, infrastructure etc.,

- Creation of internet facility with Wi-Fi hot spots in the campus. Promote extensive use of ICT in all academic and administrative transactions.
- Solar powered equipments.
- Awareness campaigns for waste management, energy audits and aligning our activities with social needs.
- Upgrading the physical infrastructure in terms of water resources, power supply and modifications/ repairs.
- Maintenance of laboratory working tables and storage facilities in the laboratories for students.
- Strengthening the Science laboratory through purchase of new equipments.
- Computerization of library services and digitization of very old manuscripts.

Describe the internal organizational structure and decision making processes.

The organizational structure of the college is based on Acts and Statutes which have their own demarcated area of jurisdiction. The Governing Body, as the highest policy making body, is at the top of the structure, representing different cross-section of population and provides overall guidance/supervision and deliberate frame work. In Academic matters, the Teachers Council virtual autonomy considering the suggestions and recommendations of the various sub-committees . The Administration while dealing with academic matters gives weightage to the recommendations of the Teachers Council and various sub-committees.

The statutory Bodies of the college are-

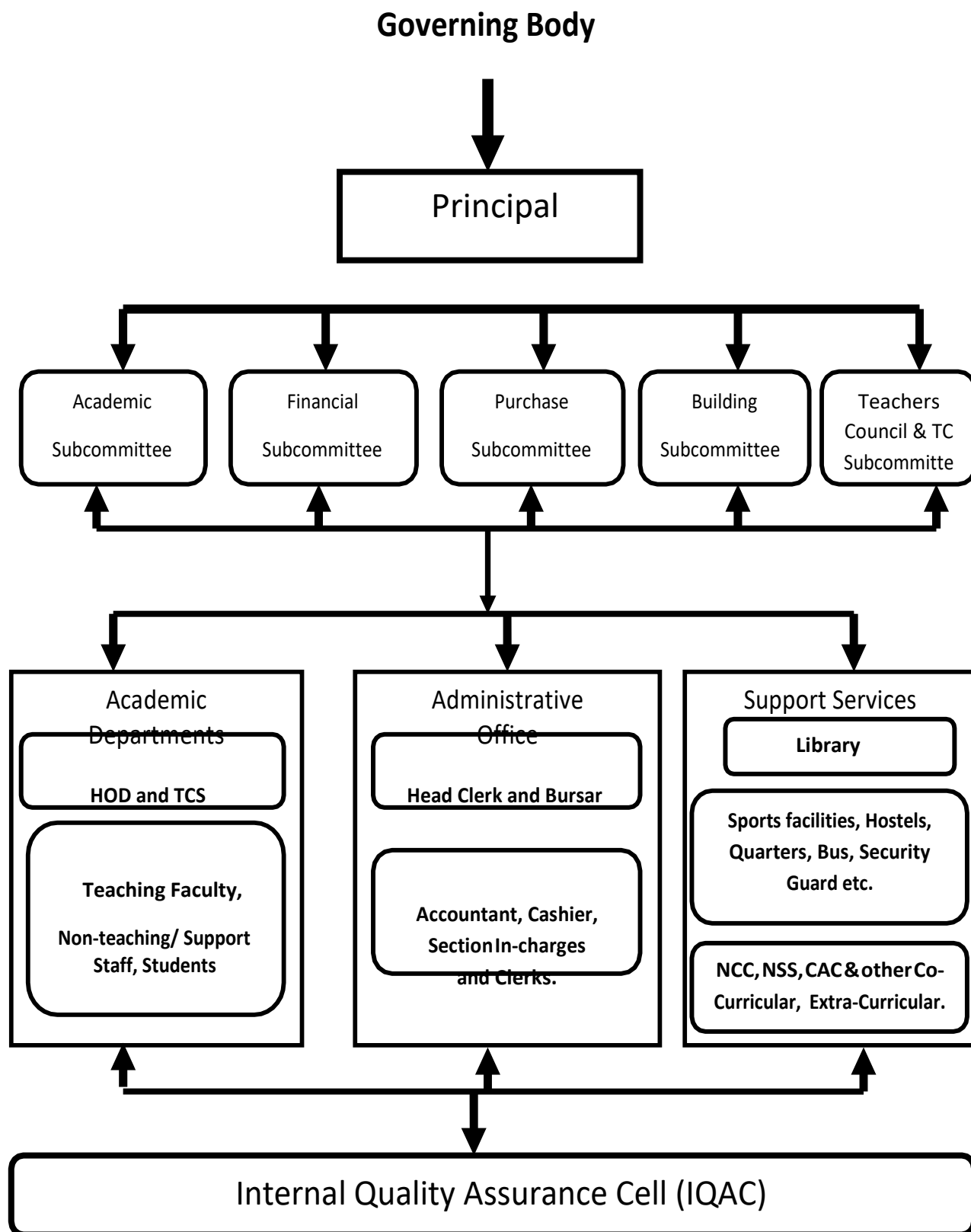
- The Governing Body.
- Academic Sub-Committee.
- Finance Sub-Committee.
- Purchase Sub-Committee.
- Building Sub-Committee.
- The Teachers Council.

The college office mainly looks into matters related to admissions, eligibility and accounts. It also provides clerical support required for maintaining records and for interaction with government, university, UGC and students.

Various committees in the college help in monitoring and facilitating several academic and administrative functions. The decentralization of power is evident from these committees, some of them are statutory and the others non-statutory in nature. The list of committees is given below:

1. Admission Committee
2. Anti-Ragging Committee
3. Committee for Prevention of Sexual Harassment
4. Grievance Redressal Cell
5. Internal Quality Assurance Cell
6. Research Sub-committee
7. Student Council
8. Routine Sub-committee
9. Cultural Sub-committee
10. Sports Sub-committee
11. Canteen Sub-committee
12. Service book, Pension and Arrear committee
13. Students Aid fund committee
14. Library Committee

Chart 6.1: Internal Organisational Structure



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

- **Teaching and Learning :** One of the strategies for quality improvement in teaching and learning is to make the learning more student-centric. The IQAC frequently collects and analyses the feedback of students on the quality of teaching-learning and provides some suggestions for the improvement. Other initiatives to improve the quality of teaching-learning processes in the college are as follows:

(a) Providing Enhanced learning infrastructure - LCD projector and interactive boards with internet. b) Latest equipments in sufficient numbers in Science Laboratories (d) Concept of –Add-On and –New practicals for some basic science subjects that (e) Skill enhancement of the students with computer training, use of e learning laboratory. (e) Special lectures / Seminars/ workshops for students. (f) Field studies/study tours. (h) Facilities like INFLIBNET for teachers.

- **Research & Development:** (a) Setting up of Central Research Facility (b) Assigning specific roles and responsibilities to the Research Committee (RC) to look after all matters related with research. (c) Generating awareness amongst the researchers and providing support related to various proposal formats of different funding agencies, budget, purchases of equipment and material under research schemes, account and audit of project expenditure, any additional infrastructure requirements of the researcher etc. (d) Help all the teachers/ researchers in understanding recent updates of their publications in terms of citation index, h-index, etc., (e) Collaborating/partnering with research institutes/ University departments etc. (f) Providing seed money to budding researchers.

- **Community Engagement**

The college always looks for opportunities to modify and improve the extra-curricular/extension activities for the benefit of the community. Some of the initiatives in this direction are as. (a) NSS units organises a winter camp in a nearby adopted village. As a part of the camp, students conduct surveys related to rural development, drinking water, health, girl-child education, socio-economic studies etc. (b) Students from NCC, NSS and other volunteer groups conduct several programmes for the benefit of the society like Blood donation camp, Aids awareness, Gender sensitivity, Anti-dowry, Child marriage etc.

- **Human Resource Management**

(a) There are 59 sanctioned posts of teaching out of which 39 are filled up and 43 posts of non-teaching staff have been filled up out of 65 sanctioned posts. (b) Recruitment is in compliance with UGC, University and State Government rules. (c) Regular performance appraisal of teaching and nonteaching staff is done. (d) Training is arranged for teaching as well as nonteaching staff.

Industry Interaction: Nil

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 Principal ensures that adequate information is communicated to the top management and stake holders. The Principal collects information through various meetings like forum of heads, IQAC, as well as from the minutes of meetings of different statutory/non- statutory committees. This information is placed before the local management committee of the college. The college uses the data and information obtained from the feedback in decision making and performance improvement. This is obtained through questionnaires given to students and staff members of the

college on academic as well as on campus experience. A team of teachers takes review with reference to requirements of every department and gives a feedback to the Principal, who presents this to the LMC for appropriate action. Developments in the college are also communicated to the parents and alumni during their meetings. Suggestion Boxes are placed at prominent locations in the campus. This is a continuous source of suggestions for improvement of infrastructure and services. The concerned sections/departments/ persons are informed about their feedback for improvement or for encouragement and appreciation.

How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

The staff is entrusted the responsibility for different tasks such as college admissions, examinations, document verifications, form collection for scholarships, Rail/bus concessions as well as handling the university/government correspondence. In addition to the involvement of faculty members in the various academic and administrative committees, there is always a representation and support of the non-teaching staff for all these activities.

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

The following are some of the important G.B. resolutions have been adopted during 2015-16 academic session and their status of implementation is given below –

- The G.B resolved to apply for PG courses, Applications for opening of PG in five subjects have been duly sent to the West Bengal Council of Higher Education for approval.
- The G.B resolved to initiate Biometry for monitoring attendance of all staff members which has already been implemented.
- The G.B resolved to install solar lights and CCTV in the entire campus, the process of installation is nearing completion.
- The G.B resolved to allocate funds for repair of hostel buildings, replacement of pipelines in hostel and also to allocate funds for construction of a cycle stand, animal house and boundary wall around the hostels from the college fund. All these works have been completed.
- G.B resolved that a proposal be sent to Paschimanchal Unnayan Parshad for construction of concrete road inside the campus; the proposal was sent and has been approved by the said body. The construction work is ongoing.

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?

Yes. The college has discussed the issue in different statutory committees and participated in workshops conducted by state agencies. However, a concrete decision in this regard could not be taken in this regard.

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 Governing Body forms a Grievance Redressal Cell (GRC) to address grievances /complaints and resolve them. This committee addresses grievances of both teaching and non teaching staff members. The mechanism to handle grievances by the Grievance Redressal Committee is as

follows-

(a) Grievance submitted to the Principal or deposited in the box. (b) Convener of GRC Receive the grievance from the Head of the Institute. (b) A meeting of the members is convened, matter discussed and necessary steps for understanding the core issue is done. (c) Settle the grievances within one month.

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?

Table 6.2.1: Court cases filed by or against the college in the last four year.

| Sl No. | Name of the petitioner | Case details |
|--------|------------------------|---|
| 1. | Sk. Samser Ahmed | WP no 13891(W) of 2014 by Sk. Samser Ahmed, Cook against the authority's decision asking him to report to duty in the hostel during day time instead of working as a night guard in the hostel by the petitioner. |
| 2. | Mr. Prabir Majhi | WP no 28270 (W) of 2014 by Mr. Prabir Majhi, Cook against the authority's decision asking him to report to duty in the hostel as the petitioner was asked to work in different capacities as non teaching staff member in different departments of the college for a considerable period of time. |
| 3. | Dr. Dilip Kr. Nandi | WP no 22021(W) of 2013 against the decision of the authority to remove Dr. D. K. Nandi as coordinator of Netaji Subhas Open University Study Centre of our college. |

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?

Student feedback is taken from the final year students of all departments after their final internal assessment examination. The feedback format is designed by the IQAC after taking feedback from faculty members and the data generated is analysed graphically. Principal interacts on a one to one basis with the faculty members with the analyzed feedback. The feedback is reviewed in the academic committee and IQAC for taking concrete steps if necessary.

Faculty Empowerment Strategies

What are the efforts made by the institution to enhance the professional development of its teaching and non-teaching staff?

The institution makes deliberate efforts for enhancing professional skills amongst its teaching and non teaching staff. This is achieved by organizing In-House training programmes for teachers as well as deputing teachers for training at Centres of Higher Learning and Excellence. This has been a routine practice of the college Administration and Management. The college grants special study leave for teachers who wish to avail

training programmes at various institutions/centres/universities and Research Laboratories. There is a budget allocation to encourage our faculties to pursue research work, attend and present papers in seminars and workshops. Research being one of the priorities of the Institution, the faculty is engaged in a process of continuous research activities by conducting Major Research Projects, Minor Research Projects, participating in National and International Seminars and Workshops. Further, the teachers also act as Resource persons in seminars, workshops, etc. conducted by other colleges/universities. They also regularly attend Orientation Programmes,

Periodic staff training programme for skill development and computer awareness are held. For non-teaching staff, in house skill development trainings are held.

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 authority always encourages and promotes the participation of the faculties in different refresher courses, orientation programs, workshops and seminars. This is evident from the participation of a large number of faculties every year. The Seminar Committee of the College arranges National level and State level Seminars, Workshops and Conferences funded by UGC, DST and DBT with the involvement of the faculty members. The Research Committee which keeps record of all the research proposals submitted by the faculty members. The faculty members of the College are also engaged in various activities of academic leadership. Faculty members act as member of Board of studies, member of IQAC of other colleges, as Head Examiner, Examiner, Scrutiniser, Paper setter, Moderator, Coordinator and Counsellor of Distance Education programmes etc.

Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

The Institution maintains Daily Self Appraisal System in which each Faculty keeps a record of number of days present, number of classes allotted and taken, number of Seminars / Workshops/ attended, other academic as well as administrative activities inside and outside College. These Self Appraisal Reports of each teacher are submitted to the Principal every month by each department. The faculties also submit the performance Appraisal Report at the end of each academic session. Any problems/ short coming/ potentialities found in the report are sorted out and discussed in different authorised bodies to solve / explore for further development in teaching/ research/ extension activities.

Appraisal of performance of the non-teaching staff has been introduced for considering his/her performance at the time of promotion . Moreover the Heads of departments are authorized to bring to the notice of the Principal instances of negligence of duty and any other grievance against any employee. The Principal looks out to such allegations and complaints promptly and takes necessary action as per service rules. If there is any need of disciplinary action necessary procedure are followed.

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 stake holders.

Appraisal of performance of the teaching staff is considered by the Selection Committee for promotion in CAS (Career Advancement Scheme).

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?

We have a registered staff co-operative which provides loan facility in emergency to all our staff members at a low interest. The permanent employees of the College are entitled to the General Provident Fund and Group Insurance Scheme.

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

As we are a government sponsored institution, the recruitment process is controlled by the College Service Commission, West Bengal. However the management provides a friendly and healthy environment for our faculties so that qualified and efficient faculties are encouraged to remain in the institution.

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 Finance Committee, Purchase Committee, Building Committee etc. monitor the effective and efficient use of the available financial resources. Financial decisions are taken by the finance committee constituted by the Governing Body and are supervised by the Principal, the President of the G.B., Convenor and other members of the finance committee and lastly by the bursar. The Finance Committee has some own rules, which are strictly followed for the development of the college. Different proposal and planning from different corners of the College are submitted to the finance committee. The finance committee allocates budget according to the available financial resources and the College Purchase Committee strictly monitors all purchases of the College. Building Committee monitors all the matters regarding college building construction. The decisions which are taken by these committees are send to G.B. for approval. After the approval of G.B. the decisions are implemented. By this process institutional mechanism monitor the effective and efficient use of available financial resources.

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

For the internal audit, the institution has a mechanism for day to day check up of accounts of the College including collection, disbursement and posting. Scrutinizing of the expenses is also done as per the prescribed schedule of the utilization of grants. Verification of Provident Fund accounts, Income tax payment account, life insurance premium, loan accounts, etc. are done regularly. The external audit happens according to Government rules. The audit of the financial year 2012-2013 has been completed. The audit of the financial year 2013-2014 is ongoing and the audit of 2014-2015 is under process.

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 major sources of institutional funding are State Government, UGC and Vidyasagar University and income from the students of the College. The Budget allocations are made on the basis of these funding. The instructions of funding agencies are strictly followed in regarding fund allocations. We normally try to avoid the deficit of the budget. If so, then we have to manage the requirements with the source of fund purely on need based method after discussing with the competent authorities.

Annexure 8 and 9: Audit Reports of last four years and Budget of 2015

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

For securing additional funding institutional mechanism contacts with different funding agencies. According to the requirements of the institution the proposals are prepared and submitted to the funding agencies for their approval. If the funding agencies approve the proposal and sanction the fund then the institution implements it according to the instructions of the funding agencies. After the completion of the whole process utilization certificate is send to the funding agencies.

Internal Quality Assurance System (IQAS)

Internal Quality Assurance Cell (IQAC)

a. Has the institution established an Internal Quality Assurance Cell (IQAC)? If yes, what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

The IQAC of the college was established in accordance with the guidelines of NAAC on 3rd March, 2005. The IQAC meet at least three to four times every year. In IQAC meetings, discussions regarding implementing of various recommendations of the NAAC peer team is done and the relevant resolutions are forwarded to the Governing Body for implementation. Implementation is done in collaboration with all sections of the college. Meetings of the IQAC members with teaching, nonteaching staff members and students are also held to exchange views and communicate with all stakeholders and to make them well aware about the activities of IQAC for Quality enhancement. The following members are acting at present-

Members-

1. Dr. Tirthankar Purakayastha, nominee from society as an External Expert on Quality Management
2. Dr. Madhumangal Pal, nominee from society as an External Expert on Quality Management
3. Dr. Rina Pal, Senior Teacher Member
4. Dr. Biswait Mondal, Senior Teacher Member
5. Dr. Sukla Chakladar, Senior Teacher Member
6. Dr. Debasree Gupta, Senior Teacher Member
7. Dr. Partha Pratim Chakravorty, Senior Teacher Member
8. Prof. Debjani Mukherjee, Senior Teacher Member
9. Prof. Sujata Bera, Senior Teacher Member

10. Prof. Gargi Meddya, Alumni Member
11. Dr. Tanusree Tulsian, Senior Teacher Member
12. Sri Bimal Malik, Senior Administrative Officer
13. Sri. Krishna Kanta Chakraborty, Senior Administrative Officer
14. Sri. Biswajit Adhikari, Senior Administrative Officer
15. Sri. Sukumar Roy, Industrialist
16. Sri. Ritwik Hazra, BDO, Advisor member.

After the reaccreditation in 2011, the institution reconstituted the IQAC abiding by the guidelines given by NAAC and later modified the composition of IQAC in 2013 as per the revised NAAC guidelines. In order to make it much more inclusive and participatory, it was further expanded by incorporating representatives from all its stakeholders: civil society, alumni and industrialist. IQAC has evolved into an all-encompassing coordinating cell which ensures quality sustenance and quality enhancement in all its endeavors.

b. How many decisions of the IQAC have been approved by the management / authorities for implementation and how many of them were actually implemented?

| Suggestions given by IQAC (2011-12) | Status |
|--|---|
| <ul style="list-style-type: none"> Departments were urged to send research projects. | <ul style="list-style-type: none"> Four minor research project and four major research project were obtained by different faculties. |
| <ul style="list-style-type: none"> Departments were directed to initiate courses in Dance, Music, Gandhian and Netaji Subhas Bose Centre. As per the decision of IQAC, Solar lights are being installed and ECO club has been initiated by the GB jointly with the Bio Science block. | <ul style="list-style-type: none"> Certificate course in Dance has been initiated and the rest is in the process of initiation. |
| <ul style="list-style-type: none"> All steps for initiation of Women's cell has been taken By IQAC. | <ul style="list-style-type: none"> SAM workshop was organized in the college for the same by Dr. S. Ghorai as organizing secretary. |
| <ul style="list-style-type: none"> Strengthening sports activities in our college. | <ul style="list-style-type: none"> IQAC initiated the process of procurement of sports equipment worth Rs. 4 lakhs rupees and scholarships for students who perform well in sports was also increased. Separate facility for indoor sports in hostels were arranged. Open air stadium construction is to be initiated. |

| Suggestions given by IQAC(2012-13) | Status |
|---|--|
| <ul style="list-style-type: none"> Departments were urged to send research projects. ECO club has been functioning as per the decision of IQAC with planting of more than 100 saplings and making the college campus as a plastic free zone. | <ul style="list-style-type: none"> Two major research project and four minor research projects were obtained by different faculties in 2012-13. |
| <ul style="list-style-type: none"> Introduction of value added courses as recommended by NAAC. | <ul style="list-style-type: none"> Certificate course in Music and soft toy making has been initiated in 2012-13 as decided in IQAC meeting towards introduction of value added course. |
| <ul style="list-style-type: none"> Installation of solar lights in the campus. | <ul style="list-style-type: none"> As per the decision of IQAC, Solar lights are being installed . |
| <ul style="list-style-type: none"> Initiation of Women's Cell. | <ul style="list-style-type: none"> Women's Cell has been initiated in the college |
| <ul style="list-style-type: none"> Promotion of sports. | <ul style="list-style-type: none"> Open air stadium construction is near completion to promote sports activities as suggested by NAAC peer team. |
| <ul style="list-style-type: none"> Initiation of Museum in local art and culture and language laboratory as per recommendations of NAAC | <ul style="list-style-type: none"> Museum in local art and culture by the Department of Bengali, CD library by Political Science has been initiated.Digital language laboratory has been initiated by the Departments of English. This will act as a central facility as per the recommendations of the NAAC peer team. |

| Suggestions given by IQAC (2013-14) | Status |
|---|---|
| <ul style="list-style-type: none"> To construct a separate Arts building and a new administrative building. | Proposal for the same has been sent to various agencies including UGC and Higher education. Though we could not construct separate building for arts, we have increased the number of arts classroom by nine. |
| <ul style="list-style-type: none"> To develop at least five smart classes in the college. | Eight more smart classes have been developed |
| <ul style="list-style-type: none"> To maximize the use of A/V aids including use of LCD in all classrooms. | Eleven more LCD/LED projectors have been procured and now being used in classrooms and laboratories. |
| <ul style="list-style-type: none"> To obtain more major and Minor Research Projects in the college and maximize the number of minor research projects. | Another five Minor Research Projects from UGC and WBBB were obtained in the Departments of English, Philosophy, Political Science, jointly Botany with Zoology. |
| <ul style="list-style-type: none"> To increase the infrastructural support to the student grievance and counselling cell which includes increase of space, number of computers and manpower. | Three more computers, one printer and LED projector has been purchased. Student counsellors are made available on all days including Sundays. |
| <ul style="list-style-type: none"> To minimize dropout rates of students from the current 1.8 %. To less than 1 %. | All efforts to avail Student scholarship have been increased. Mentorship is being strengthened. Dropout rate is still below 2%. |
| <ul style="list-style-type: none"> To initiate a e learning Centre and e resource centre. | e learning and networking centre has been initiated in the central library with the funding from DST-FIST. |
| <ul style="list-style-type: none"> To install green generators in the entire college for continuous power supply. | Three green Generators are now working in the campus |
| <ul style="list-style-type: none"> To install solar lights in the remaining part of the campus | Two High mast solar lights are to be installed soon. |
| <ul style="list-style-type: none"> To initiate PG courses in Botany, Geography, Music and Nutrition. | Committee for making fresh proposal has been constituted by IQAC. |
| <ul style="list-style-type: none"> To computerize of the accounts section. | Process of full computerisation has been completed completed. |

| | |
|--|---|
| <ul style="list-style-type: none"> To increase the number of classrooms in all the sections of the college. | We have completed the 2 nd floor of the Library building and first floors of the Nutrition building- a total of nine classrooms have been increased. |
|--|---|

| Suggestions given by IQAC (2014-15) | Status |
|--|---|
| <ul style="list-style-type: none"> Upgradation of classrooms. | Repair of student furniture and electrical installations in General class rooms. |
| <ul style="list-style-type: none"> Modernisation of laboratories. | Upgradation of eight science laboratories in the department of Zoology, Botany, Physiology, Microbiology, Physics, Chemistry, Mathematics and Geography from BSR fund |
| <ul style="list-style-type: none"> Proposal for initiating Undergraduate course in BSW and Education. | Necessary steps for initiation of Undergraduate course in BSW and Education from the academic session. |
| <ul style="list-style-type: none"> Installation of CCTV | Installation of 6 CCTV in the college has been done. |
| <ul style="list-style-type: none"> Organisation of workshops in modern tools in Teaching. | One week Workshop on the –Use of ICT in teaching for teaching staff members has been organised. |
| <ul style="list-style-type: none"> Organisation of interactive session with student and staff members | Two such sessions with staff members were organised. Interactive session with students will be organised shortly. |
| <ul style="list-style-type: none"> Organisation of societal outreach programme including literacy programme and legal aid camps. | Workshop on legal aid organised in collaboration with CINNI-ASHA, SAYAM and SANHITA. |

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

The IQAC has external members in it. It is appreciable that all of them actively participate in the quality enhancement efforts.

1. Prof. Prabhakar Sengupta, former principal of our college contributed in identifying our strengths and weaknesses and development of suitable machinery to overcome difficulties in management especially in financial management and optimal utilization of resources.

2. Dr. Ranajit Dhar, Former Registrar, Vidyasagar university guided the IQAC in various policy related matters of the university, State Government and UGC.

3. Dr. Tirthankar Purakayastha, Professor, Department of English and Dr. Madhumangal Pal, Professor, Department of English have contributed immensely in planning and execution of several decisions related to Teaching learning, Research, publication of the college journals as well as in feedback process.

Industrialist member has helped us with his guidance and active support in organizing placement drives, on site industry visits as well as OJT.

4. Sri. Ritwik Hazra, BDO, Advisor member has contributed immensely in developing our campus with the support from the local bodies including in plantation programmes, cleaning of the campus, creating water resources for the hostel boarders.

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

Students significantly contribute to the effective functioning of the IQAC.

Interactive sessions of IQAC with students are organized. The general student community becomes part of the IQAC process through,

- Feedback and suggestions on the institutional processes & practices,
- Feedback on teaching learning process and teachers' evaluation,

Alumni: Over the years the institution has produced quality professionals who play a significant role at various capacities across the world. They are always passionate and proactive in rendering generous support to enhance the quality of their Alma Mater as manifested in the following:

- i. Timely and appropriate feedback for the institutional development,
- ii. Supports in generation of resource
- iii. Organises lectures, seminars.
- iv. Supports in organizing health check up camps.

e. How does the IQAC communicate and engage staff from different constituents of the institution?

The IQAC plays a catalytic role and is in continuous contact with the different constituents in the institution and therefore plays a catalytic role with respect to the sustenance and enhancement of quality in the institution which is achieved through its various constructive interventions and effective communication with the staff of the different constituents.

- Assists the departments for in various curricular and co-curricular activities.
- Assists in the institutional planning and resource mobilization.
- Assists in identifying the infrastructural requirements of the different constituents in the institution.
- Arranges appropriate Staff Development Programmes in consultation with different constituents of the institutions.
- Facilitates the formation of various committees for the different activities in the institution- Journal committee, Extension committee, Parent committee etc.
- Conducts timely feedback process from different stakeholders.



Plate 6.5.1: IQAC members interacting with the teaching staff members during the preparations of Self Study Report (SSR)



Plate 6.5.2: Principal and IQAC coordinator interacting with the non teaching staff members

Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If yes, give details on its operationalisation.

Yes, the institution has an integrated framework for quality assurance of the academic and administrative activities. It is basically built on the quality policy of the institution in which categorical commitment to quality assurance is pronounced. The IQAC further conceptualized and operationalized the integrated framework for quality assurance of the academic and administrative activities of the institution based on this institutional policy on quality.

The IQAC carried out the conceptualization of the framework of SWOC analysis with teaching and non teaching staff members during its interaction meetings. The framework provided by NAAC based on the seven-criteria, which encompasses the entire academic and administrative activities of the institution, formed the basic guideline for this exercise. The IQAC prepared a time-bound action plans to be implemented and progress made on each of the action plans were discussed and reviewed in IQAC meetings.

Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If yes, give details enumerating its impact.

Workshops on the use of modern teaching aids in teaching learning process were conducted at regular intervals by the IQAC. The administrative staff were given training on specific software package and internet.

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?

Yes, the institution conducts Academic Audit of all the departments for preparation of reports to be submitted to Department of Higher Education for necessary action. The outcomes of the audits have definitely helped to improve the activities of the departments in particular and the institution in general. The Principal of the College also reviews the Daily Performance Reports maintained by the faculty members in specific format.

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

As per the Guidelines of Vidyasagar University and the Department of Higher Education, the College introduces and implements required quality assurance measures.

The Governing Body and IQAC are also two regulatory bodies whose interventions have facilitated quality enhancement and sustenance. As far as the institute is concerned, the most important and primary external quality assurance agency is NAAC itself. Our institution takes every step to align its internal quality assurance systems and procedures with this statutory external quality assurance agency at the national level. Academic reports are sent to Higher Education Department and Vidyasagar University. Annual Quality Assurance System of NAAC is reviewed in the IQAC and governing body as an internal quality assurance mechanism.

What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

Academic committee constituted by the governing body holds regular meetings to analyse the teaching learning process and recommends various measures in accordance with the guidelines of NAAC and Vidyasagar University for Quality enhancement. The results of each department, attendance record and related academic matters of the students are reviewed in these meetings and suitable measures are adopted.

Student feedback is taken every year from the final year students and analysis of this feedback is a measure to review the teaching learning process.

Parent meet organized in each department itself gives a platform for getting a feedback on the various activities of the department and a report is prepared by each department which is forwarded to the IQAC for necessary action.

Feedback from the students, parents and alumni are analysed in the IQAC and forwarded to G.B whenever a problem is identified for taking necessary measures.

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

The College communicates its quality assurance policies, mechanisms and outcomes to the

various internal and external stakeholders through the College website, various media forms, public domain and College prospectus. Every year College magazine is published. Contributions are made both by the students and the faculty. This also in a way expresses the academic quality assurance of the Institution.

Any other relevant information regarding Governance Leadership and Management which the college would like to include.

Teachers council, Academic Committee and IQAC works in coordination and conducts meetings at regular intervals to keep a strong vigil on the academic quality of the College. The Cell takes up appropriate measures and wherever required forwards resolutions to the and Governing Body for implementation of necessary steps to achieve excellence in teaching and research activities.

CRITERION-VII: INNOVATIONS AND BEST PRACTICES

7 Innovations and Best Practices

Environment Consciousness

Does the Institution conduct a Green Audit of its campus and facilities?

Raja N.L. Khan Women's College is situated in a green environment. More than eighty percent of our campus is covered by many types of trees. However we use renewable energy in the form of Solar light in our campus and solar power generation for providing hot water to the hostels. Organic farming is done in the campus. We have no formal mechanism for Green Audit. However, efforts have been made to create an eco-friendly atmosphere inside the campus by placing incinerator (machine for waste disposal). Strategies have been developed and adopted to exercise a substantial impact on the preservation of natural resources for the sustainable development of the society with appropriate life-support. Being positioned in the lap of the nature of rural Bengal, the college itself is renowned for its tranquil and serene environment which nourishes the minds of the young learners and employees with its benign impact. Tremendous emphasis is put on the maintenance of the greeneries of the campus. Apart from this there is also a well-maintained garden of medicinal plants.

For creation of eco-friendly atmosphere and sensitizing the stakeholders like students, staff members towards environmental issues, the college spends a significant amount of money. A number of gardeners look after the plants inside the campus. The students of NSS and NCC units undertake cleaning, environmental awareness, social awareness, plantation programmes etc. in the college campus and adjoining locality regularly. The college Eco-club also organizes plantation programmes and celebrates World Environment Day to sensitize all concerned to issues like environmental degradation, preservation of natural resources, global warming, climate change etc. The entire campus has been declared –No Plastic, No Tobacco and No Horn Zone.

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

Raja N.L. Khan Women's College has adopted several environment-friendly practices to make the campus eco-friendly. Such practices include:

Energy Conservation: Care is taken to ensure that the class rooms get sufficient natural light and air to reduce the need for artificial lighting and cooling. The institution ensures that no electric equipment run unnecessarily. We are taking proper initiative to save energy by using power saving tubes, CFL, and fans with lower consumption. Old computer monitors are replaced to a great extent by LCD/LED Monitors to reduce the level of radiation. Fluorescent tubes are being replaced by LED bulbs in a phase wise manner. Kirloskar branded green generators are used for smoke free and noise free standard frequency energy resource. Energy consumption in the hostel is closely monitored by turning off power during day time and CFL sets are installed to minimize the consumption of energy. Recently we installed solar heating based system for heating of water for supply to hostels.

Use of Renewable Energy: The College has installed solar energy panels in the campus itself and solar lamps have been installed in different sections of the college campus.

Rainwater Harvesting System has been established in the campus utilizing a pond already inside the campus.

The College has created a number of **parking places** for the parking of the vehicles of the students and staffs near the entrance so that carbon-emitting vehicles cannot enter a long way inside the campus. Care is taken to keep the campus smoke free. Awareness programmes regarding the menace of excessive production of Carbon-dioxide are organized by the NSS units of the college. We have also installed low carbon-emitting Kirloskar branded green generators in our college.

Plantation: though our campus is full of green, we can boast of having well-maintained gardens rich in a variety of flowers, herbal and medicinal plants. Students of the college not only clean the garden but take initiatives to nourish the trees as well as newly planted trees and the flowering plants. Beyond the boundaries of our campus also, our plantation programme is extended. NSS units participate in plantation programme along roadsides of our adopted villages, in and outside of our campus.

Waste Management: The College does not generate hazardous waste to a great extent. Solid wastes are disposed in closed containers stationed at various points within the college premises and they are regularly cleaned away by paid staff. Recently we installed two incinerators within our campus to dispose the solid waste. Emphasis is put on the purchases of bio-degradable equipment. Hazardous effluents from laboratories of certain departments are disposed in the pits dug in the ground which are covered safely so that they cannot cause any harm.

E-waste Management: Electronic waste, such as discarded computers, office electronic equipment and refrigerators etc. are stored in a separate area and disposed off as per their conditions. Controlling Visual Pollution the College has adopted a strict disciplinary approach to prevent visual pollution. A concerted and determined effort of all stakeholders has also been successful to a certain extent in debarring the outsiders from writing or sticking advertisements/bills on the boundary wall.

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.

During the last four years, the institution has introduced innovations in almost every sphere which have exerted a positive influence on the smooth functioning and progress of the college. Some of these innovations include:

- **Use of ICT in Teaching-Learning:** All departments have been equipped with Smart Class Technology. Faculties of almost all departments use LCD projectors in classes and have been accustomed to taking classes through Power Point Presentation. All the departments have been provided with sufficient computers and internet connection. The faculty can also avail of the internet facility in their respective departments.

- **Infrastructural Innovations:** Almost all departments have been provided with separate staff enclosures and classrooms. This necessary change in the sitting arrangement of the faculty has provided the faculty a scope to utilize their time in the best possible way.

- **Computerization of the Office and Library:** The college office has been computerized to a great extent. The administrative staff members have been properly trained to run the daily activities of office through computer. The college library has also been computerised.

- **Feedback Mechanism:** The College has maintained the practice of collection of feedback from the stakeholders like parents, students and alumni. Analysis of such feedback help the college authority and faculty understand different areas of their strengths and weaknesses which later on contribute to the modification of policies and adoption of requisite measures.
- **Preparatory courses for competitive examinations** The College provides coaching to the enthusiastic students for appearing in competitive examinations for entry into jobs like School Service, Civil Service etc. through the Career Counselling Cell.
- **Psychological Counselling Cell** offers counseling by experts.
- **Organization of Students' Seminars and Workshops:** During last five years, organization of National and State Level Seminars and Workshops has been a special feature of a many departments.
- **Research Promotion and Research Journal:** The College has encouraged research works by teachers. At present a number of Major Research project and Minor Research Projects are being run by the faculty members. The College has launched research journals one for Science and the other for Humanities which offers the faculty members scopes for getting their research articles published.
- **Website:** Meeting the requirements of the changing time, the institution has updated its website www.rnlkcollege.org.in. All the relevant information regarding the institution and its activities has been made available on it.
- **E-Journals and E-Books:** Our College Library has made these facilities available to our faculty, staff and students through INFLIBNET membership.
- **E learning laboratory and Digital language laboratory** is available for reference work and enhancing communicative skill respectively of the students.
- **Mathematical Gallery** creates a unique learning experience.
- **Laboratory Up-gradation:** Laboratories of the Departments of Science Stream and Geography have been shifted to large and ventilated rooms. Folkloristics Museum, Gurukul, Psychology, Language Lab, History Museum, Pictorial Gallery of glorious women, Zoological Museum, Botanical Museum and Anatomy Museum has been build up to support the academics.
- **Adoption of Measures to Ensure Availability of Safe and Cold Drinking Water.**
- **Installation of Silent Generators at Different Sections of the College Building.**
- **Establishment of Basket Ball Court, Badminton Court, Kho Kho Court.**
- **Gymnasium.**
- **Creation of Medicinal Garden.**
- **Introduction of Wi-Fi in the Campus.**
- **Installation of Closed Circuit Television to Intensify Security.**
- **Identity Card for Staff and Students.**

- **Biometric system of attendance.**
- **Organization of Gender Sensitization Programs by the Women's Cell and Equal Opportunity Centre**
- An **Animal Care unit** conducts sterilization and vaccination of all stray animals in the campus in collaboration with Antarik-Social welfare Organisation, A NGO working for animal welfare as per the guidelines of the State Government and Ministry of Environment and Forest, Government of India.
- We provide **Tutorial and Remedial classes** for the weak students on every weekends.
- We have made compulsory for all the students to take a **free course in Computers and Spoken English**. We also provide Optional courses in **Dance and Soft Toy Making**. Through NSS and Career Advancement Centre, we are organising **Self Defence Courses, Yoga and First Aid Course**. We also provide **extended services in the areas of Literacy and Health**.
- **E cell and Alumni association of our college 'Balaka'** helps our ex students by organising training on Art and Craft and exhibitions on regular basis to sell the handicrafts made by the students to boost their economic status.

7.3 Best Practices

7.3.1 Elaborate on any two best practices in the given format.

Best Practice I

1. Title of the Practice: Environmental consciousness

2. Goal

To generate a sense of belonging to Mother Nature, to preserve the greenery in the campus that creates a beautiful ambience for learners as well as the teachers.

3. The Context

Raja Narendra Lal Khan Women's College is situated in the rural area of Kankabati Gram Panchayat having a campus area of 46.86 acres covered by lush green vegetation. Our campus has nearly thousand species of plants and attracts many species of birds among other animals. The college administrative building which was built during 1890's has been declared as a heritage building by W.B Heritage Commission. Being positioned in the lap of the nature of rural Bengal, the college itself is renowned for its tranquil and serene environment which nourishes the minds of the young learners and employees with its benign impact. Tremendous emphasis is put on the maintenance of the greeneries of the campus. The unique environment of our college is appreciated not only by the stakeholders but has attracted the attention and admiration of nearly all person visiting the college from outside.

4. The Practice

1. Solar Power Generation: Five solar power grids have been installed in the five hostels of our college for heating water for supply to hostels. This reduces power consumption and less use of LPG in the hostels.

2. Installation of solar lights: Solar lights have been installed in different points of the campus for reducing electricity consumption and reducing pollution by conventional light sources.

3. Use of incinerators in waste disposal: Several incinerators have been installed in the hostel toilets as well as in the toilets in the main campus for disposal of sanitary napkins for a clean environment.

4. Installation of Green generators: Three green generators have been installed which cause lesser pollution in terms of emission of smoke and production of sound.

5. Replacement of fluorescent lights with LED bulbs is being done in a phase wise manner.

6. Organic farming has been initiated in the campus with vermicompost produced in the campus.

7. Water harvesting through a pond excavated regularly is practiced in the College.

8. An Animal Care unit conducts sterilization and vaccination of all stray animals in the campus in collaboration with Antarik-Social welfare Organisation, a NGO working for animal welfare as per the guidelines of the State Government and Ministry of Environment and Forest, Government of India.

8. Functioning of Eco club and plantation programmes: Eco club promotes many activities for preservation of the greenery and regular plantation programmes are carried out and more than hundred trees re planted every year.

5. Evidence of Success

The lush green campus and its serene environment is itself an evidence of its conservation. Recently conducted biodiversity surveys by the Department of Botany and Zoology also gives evidence of the fact that the number of species of flora and fauna has been well conserved in the last few years.

6. Problems Encountered and Resources Required

To conserve the environment, alternate sources of energy and conservation strategies for preserving rare species of plants present in the campus needs to be done. This requires financial support, expertise and manpower.

8. Contact Details

Name of the Principal: Dr. Jayasree Laha

Name of the Institution: Raja Narendralal Khan Women's College

City: Midnapore

Pin Code: 721102. Accredited Status: A

Work Phone : 03222 275326

Fax: 03222 275326 Website: www.rnlkwc.org

E-mail: rnlkcollege@gmail.com

Mobile: 9434029182



Plate 7.1: Lush Green Campus of the College with Solar Lights.

Best Practice II

1. Title of the Practice: Unique Learning Enviroment

2. Goal

To create an unique learning environment

3. The Context

Raja Narendra Lal Khan Women;s College is a rural college situated in the backward district of Paschim Medinipore having nearly 70% rural students and more than 45% students belonging to the backward communities. Our college is still the only women's college in the district attracting many first generation learners. The pivotal aim of this college is to empower women of this backward area by educating them and allowing them to become self reliant. This would have a positive impact on the society as a whole.

4. The Practice

1. **Creating a unique environment:** The campus area of the college is 46.26 acres covered by lush green vegetation. Our campus has nearly thousand species of plants and attracts many species of birds among other animals. The college administrative building which was built during 1890's has been declared as a heritage building by W.B Heritage Commission. The unique environment of our college creates a unique ambience for learners as well as for the teachers.

2. **The relationship between the teacher and the taught:** The relationship between the teacher and taught is not confined in classroom teaching. Mentorship strengthens the bond between the teacher and the taught. Students can access the teacher on times beyond the class hours and can share even their personal problems.

3. **Activities of the counselling, training and placement cell:** The following activities are unique and aims at stretching out a helping hand towards the students

- **Psychological counselling** and motivation sessions.
- **Career Counselling** facilities.
- **Student counsellors** of Career Advancement Centre to attend to various career related problems of the students.

- **Free Computer access** with internet and **Career related library** on all days including holidays.
- **Earn while you learn scheme** where students prepare articles of handicraft which are sold and the revenue earned is handed over to the students.
- **Preparatory classes** for competitive examinations beyond college hours.
- **Computer training for all.**
- **Scholarship help Desk** to assist students obtain scholarships from governmental and non governmental agencies.

4. **Provision of scholarships:** Student aid fund generated by the teachers contribute significantly in assisting financially weak students.

5. Evidence of Success

Students strength has increased steadily in the last few years. The drop out rate of our students has been maintained at around 2 %. The pass percentage of our students and the ranks secured by them in the university examination places our college among the top two college under Vidyasagar University.

6. Problems Encountered and Resources Required

Lack of manpower is a hindrance, especially more number of teachers are required to cope with increasing number of students. Financial resources need to be channelized for student welfare schemes.

8. Contact Details

Name of the Principal: Dr. Jayasree Laha

Name of the Institution: Raja Narendralal Khan Women's College

City: Midnapore

Pin Code: 721102 Accredited Status: A

Work Phone: 03222 275326

Fax: 03222 275326 Website: www.rnlkwc.org

E-mail: rnlkcollege@gmail.com

Mobile: 9434029182

E.
EVALUATIVE REPORT OF
THE DEPARTMENTS

PRINCIPAL

Name Jayasree Laha (Konar)

Designation Principal, Raja N L Khan Women's College

Date of birth 02/12/59

Contact address Quarter Number A-29, IIT Campus
P.O. Kharagpur Technology,
Kharagpur 721302

E-mail address j.laha@yahoo.co.in



☒ Academic Qualification

| Degree | Year | University/Institute |
|--------|------|----------------------|
| B.Sc | 1981 | Burdwan University |
| M.Sc | 1984 | IIT Kharagpur |
| Ph.D | 1989 | IIT Kharagpur |

☐ Sponsored projects

1. DST sponsored SERC Young Scientist project entitled *Adhesion Enhancement of Polyolefins Using Phase Transferred Oxidant*.
Duration: 2 years, total grant Rs. 2.6 lakhs. Completed in 1994.
2. UGC sponsored project entitled *Synthesis and Study of Reactivity of Surfactant Mediated and Ligand Modified Silver and Gold Nano-particles*.
Duration: 1.5 years (started December 2010), grant: Rs.1.81 lakhs

☐ Awards and recognitions

1. Young Scientist Award at the 74th session of the Indian Science Congress, University of Bangalore, 1987.
2. S.R.Palit award for the best paper presentation in the Physical Chemistry section at the 21st Annual Convention of Chemists, Indian Chemical Society, Jadavpur, 1984.
3. Vice President (Eastern Zone) of Association of Chemistry Teachers, 2011-13.

☐ Research Publications

Chapters contributed to books

1. *Surface properties of polyethylene grafted with triallyl cyanurate in the presence of an electron beam*, J. Konar and A.K. Bhowmick, in *Polymer Surface Modification : Relevance to Adhesion*, K.L. Mittal, ed., 1996, pp. 327-336.
2. *Surface Properties of Modified Polymers*, J. Konar, B.N. Avasthi and A.K. Bhowmick in *The Handbook of Engineering Polymeric Materials*, Nicholas P. Cheremisinoff (ed.), Marcel Dekker Inc., New York, 1997, pp.517-528.

□ **Papers in refereed journals**

1. J. Konar, S.Ghosh, A.K. Banthia and R. Ghosh, 1987, Oxidation of Low Density Polyethylene (LDPE) by purple hydrocarbon, *J. Appl. Polym. Sci.*, 34, 431.
2. J. Konar, R. Ghosh, A.K. Banthia, 1988, On the nature of purple hydrocarbon –an oxidant for LDPE, *Polym. Commn.*, 29, 36.
3. J. Konar and R. Ghosh, 1988, Oxidative degradation of LDPE in presence of Phase Transfer Catalyst Part I. IR studies, *Polym. Degrad and Stab.*, 21, 263.
4. J. Konar, S. Ghosh and R. Ghosh, 1988, Oxidative degradation of LDPE in presence of Phase Transfer Catalyst Part II. Thermal studies, *Polym. Degrad and Stab.*, 22, 43.
5. J. Konar and R. Ghosh, 1989, Studies on adhesion of polyethylene. Part I, Influence of functionality and phase transfer catalyst, *J. Adhesion Sci. Technol.*, 3, 609.
6. J. Konar and R. Ghosh, 1990, Characterisation of oxidised polyethylene by Solid State Fluorescence Spectra, *J. Appl. Polym. Sci.*, 40, 719.
7. J. Konar, S.K. Ghosh and R. Ghosh, 1990, Promotion of adhesion of LDPE by polymer blending, *J. Mat. Sci.*, 25, 5237.
8. J. Konar, A.K. Sen and A.K. Bhowmick, 1993, Characterisation of grafted polyethylene by contact angle hysteresis and ESCA studies, *J. Appl. Polym. Sci.*, 48, 1579.
9. J. Konar and P. Maiti, 1994, Adhesion promotion of PP by phase transfer oxidation, *J. Mat. Sci. Lett.*, 13, 197
10. J. Konar, G. Samanta, A.K. Sen, 1993, Oxidative degradation of EPDM in presence of phase transfer catalyst, *Polym. Degrad. and Stab.*, 43(2), 209.
11. J. Konar and A.K. Bhowmick, 1994, Surface properties of polyethylene grafted with triallyl cyanourate in presence of electron beam. *J. Adh. Sci. & Technol.*, 8, 1169.
12. J. Konar, A.R. Das and R. Ghosh, 1987, SEM studies of PTC oxidised LDPE, *J. Surf. Sci. and Tech.*, 3(2), 115.
13. J. Konar, A.K. Bhowmick, M.L. Mukherjee, 1992, Contact angle hysteresis and ESCA studies on aged polyolefins, *J. Surf. Sci. and Technol.*, 8(3), 331.

14. S. Narayanan, J. Konar and Anil K. Bhowmick, 1995, Surface properties of EPDM, silicone rubber and their blend during aging. *J. Appl. Polym. Sci.*, 57, 631.
15. J. Konar, S. Kole, B.N. Avasthi and Anil K. Bhowmick, 1995, Wetting Behaviour of Functional Silicone and EPDM Rubber, *J. Appl. Polym. Sci.*, *J. Appl. Polym. Sci.*, 61(3), 501.
16. T. Bera and J. Konar, 1997, Thermal behaviour of metal biguanide and its Iodine Adduct, *J. Ind. Chem. Soc.*, 74, 528.
17. A.K. Chandra, J. Konar, T.B. Ghosh and A.K. Bhowmick, 1996, Effect of cation and anion on steel cord-rubber adhesion. *J. Mat. Sci.*, 31, 2667.
18. D. Chakravarty, D. Mal, J. Konar and Anil K. Bhowmick, 2000, Preparation and Properties of Ionic Polychloroprene Rubber. *J. Elastomers & Plastics*, 32, 152.
19. S. Maiti, G. Barman and J. Konar Laha, –Synthesis of silver nanoparticles having different morphologies and its application in estimation of chlorpyrifos|| *Advanced Science Focus* 2013, 1,145.
20. S. Maiti, G. Barman, J. Konar Laha, –Biosynthesized Gold nanoparticles as catalyst||. *Int. J. of Scientific and Engg. Research* 2014, 5 (7): 1229-1230.
21. S. Maiti, D. Krishnan, G. Barman, S. K. Ghosh, J. Konar Laha. –Antimicrobial activities of silver nanoparticles synthesized from *Lycopersicon esculentum* extract||. *Journal of Analytical Science and Technology*, 2014, 5:40
22. S. Maiti, G. Barman, J. Konar Laha. –Detection of heavy metals (Cu^{+2} , Hg^{+2}) by biosynthesized silver nanoparticles||, *Applied Nanoscience*, Published online on 23 rd May, 2015. DOI 10.1007/s13204-015-0452-4
23. S. Maiti, G. Barman and J. Konar Laha, –Visual Detection of Melamine using Silver Nanoparticles||. *European Journal of Molecular Biology and Biochemistry*,|| 2015, Vol. 2 (5), pp 180-185.
24. G. Barman, S. Maiti, and J. Konar Laha, –Trichloroacetic acid assisted synthesis of gold nanoparticles and its application in detection and estimation of pesticide||, *Journal of Analytical Science and Technology* 2012, 4, 1
25. G. Barman, S. Maiti, and J. Konar Laha, —Bio-fabrication of gold nanoparticles using aqueous extract of Red Tomato and its use as a Colorimetric Sensor|| , *Nanoscale Research Lett.* 2013, 8, 18
26. G. Barman, A. Samanta, S. Maiti, J. Konar Laha. –Detection of Cu^{+2} ion by the synthesis of Bio-mass-silver Nanoparticle Nanocomposite||, *Int. J of Scientific and Engg. Research* 2014, 5 (6):1086-1097

27. G. Barman, A. Samanta, S. Maiti, J. Konar Laha, –Colorimetric assays for the Detection of Hg²⁺ ions using functionalized gold and silver nanoparticles. *Advanced Science Focus*, 2014, Vol. 2, pp 1-7.
28. G. Barman, S. Maiti, J. Konar Laha. –GNP assisted hydrolysis of Methyl Parathion and catalytic reduction of its hydrolysed product, *Int. J of Scientific and Engg. Research* 2015, 6 (8):889-899.
29. G. Barman, S. Maiti, J. Konar Laha. –Functionalization of GNP with sulphur containing molecules and its catalytic applications, *International Research Journal of Basic and Applied Sciences* 2015, Vol 1 No 1:1-5.

Presentations

- [1] S. Maiti, G. Barman, J. Konar Laha, –Trichloroacetic acid assisted synthesis of silver nanoparticles and its application in detection and estimation of insecticide, *Frontiers in Chemical Sciences*- 2013, March 25-26, Vidyasagar University, Midnapur, India
- [2] G. Barman, S. Maiti, and J. Konar Laha, –Trichloroacetic acid assisted synthesis of gold nanoparticles having different morphologies. *International Symposium on Recent Trends of Research in Chemistry*, 31st Oct-1st Nov, 2011. Midnapore College, Midnapore.
- [3] G. Barman, S. Maiti, and J. Konar Laha, –Bio-fabrication of gold nanoparticles using aqueous extracts of *Lycopersicon esculentum* and *Andrographis Paniculata* and its use as a Colorimetric Sensor. *Frontiers in Chemical Sciences*- 2013, March 25-26, Vidyasagar University, Midnapore, India
- [4] S. Maiti, G. Barman, J. Konar Laha, –Sensor properties of 3-mercapto-1, 2-propanediol using Silver Nanoparticles. *Proceedings of the 5th Asian Conference on Colloid and Interface Science*, Nov 20-23, University of North Bengal, India.

Ph.D. Supervision:

| Name of the Scholar | Awarded/Submitted with year | Title of the thesis |
|-------------------------|---------------------------------|--|
| Gadhadhar Barman | 2 nd December, 2015. | Synthesis of Noble Metal Nanoparticles and their Application. |
| Swarnali Maiti | 4 th February, 2016. | Synthesis and Characterization of Silver and Gold Nanoparticles and their Application. |

HUMANITIES

Evaluative Report of the Department

Bengali

| | |
|---|---|
| 1.Name of the department : | Bengali |
| 2.Year of Establishment : | 22 nd August 1957 –General. July, 1965-1966-Honours |
| 3. Names of Programmes/Courses offered Masters; Integrated Ph.D., etc.) | U.G-B.A (Hons.) and B.A(General) |
| 4.Names of Inter disciplinary courses and the departments/units involved: | N/A |
| 5.Annual/semester/choice based credit system (programme wise): | Annual based credit system. |
| 6.Participation of the department in the courses offered by other departments: | No |
| 7.Courses in collaboration with other universities, industries, foreign institutions, etc. : | Nil |
| 8.Details of courses/programmes discontinued (if any)with reasons: | Nil |

9. Number of Teaching posts:

| | Sanctioned | Filled |
|-----------------------------|--------------------|----------------------|
| Professors | Nil | Nil |
| Associate Professors | No Sanctioned Post | 2 (By Promotion-CAS) |
| Asst. Professors | 3 | 3 |

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

| Name | Qualification | Designation | Specialization | No.of Years of Experience | No.of Ph.D. Students guided for the last 4 years |
|-------------------------|----------------------|--------------|---------------------------|---------------------------|--|
| Dr. Anita Saha | M.A,Ph.D. | Asso. Prof. | Rabindranath | 21+ | 2 |
| Prof. Krishna Maiti | M.A., M.Phil. | Asso. Prof. | Comparative literature | 35+ | Nil |
| Prof. Sarada Brata Laha | M.A. | Assist.Prof. | Mdhyayurer Bangla Sahitya | 09+ | Nil |
| Dr. Bipul Kumar Mandal | M.A., Ph.D. | Assist.Prof. | Drama , Kathasahitya | 08+ | Nil |
| Dr. Sujoy Kumar Maity. | M.A., Ph.D., D.Litt. | Assist.Prof. | Poetry | 12+ | 2 |
| Prof. Sutanuka Pal. | Double M.A. | P.T.T. | Drama ,Folk Culture | 19+ | Nil |

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programmewise) by temporary faculty: Nil

13. Student-Teacher Ratio (programme wise): 42:1 (Hons-2015-16).

14. Number of academic support staff (technical) and administrative staff sanctioned and filled: Nil

15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.:
Ph.D-03, M.Phil.-1, PG- 02

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: Rs. 3, 89,181 from CPE-UGC.

18. Research Centre/facility recognized by the University: Nil

19. Publications: ***Annexure-I***

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

a) Editorial Boards.

1.Dr. Sujoy Kumar Maity ,Chief Editor, –Anudhayan||

22. Student projects

a) Percentage of students who have done in-house projects including interdepartmental/programme : Nil

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: NA

23. Awards/Recognitions received by faculty and students: Dr. Sujoy Kumar Maity awarded D.Litt. on 02/05/2015

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

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

a) National: Nil b) International: Nil

26. Student profile programme/course wise:

| Name of the Course/programme (refer question no. 4) | Applications received | Selected | Enrolled | | Pass percentage |
|---|-----------------------|----------|----------|----|-----------------|
| | | | *M | *F | |
| B.A (Hons.)-2012-13 | 610 | 72 | - | 72 | 100% |
| B.A (Hons.)-2011-12 | 472 | 72 | - | 72 | 98.33% |
| B.A (Hons.)-2010-11 | 442 | 65 | - | 65 | 100% |
| B.A (Hons.)-2009-10 | 499 | 65 | - | 65 | 100% |

*M=Male *F=Female

27. Diversity of Students

| Name of the Course | %of students from the same state | %of students from other States | %of students from abroad |
|--------------------|----------------------------------|--------------------------------|--------------------------|
| UG | 99-100% | 0-1% | Nil |

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civilservices, Defense services, etc.?

NET- 03.

29. Student progression

| Student progression | Against % enrolled |
|---|--------------------|
| UG to PG | 100% |
| PG to M.Phil. | - |
| PG to Ph.D. | - |
| Ph.D.to Post-Doctoral | NA |
| Employed <ul style="list-style-type: none"> ● Campus selection ● Other than campus recruitment | 0% 50-55% |
| Entrepreneurship/Self-employment | - |

30. Details of Infrastructural facilities

a) Library: No. of Books: 6298 copies

Seminar Library: 846

b) Internet facilities for Staff & Students: Yes

c) Class rooms with ICT facility: Yes

d) Laboratories: No

31. Number of students receiving financial assistance from college, university, Government or other agencies: 10-12 per year

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

Department Level Seminar:

1. Sampratik Kale Rabindranather Prasangikata (20/03/2014)

2. Mahilakabir Kalame Bangla Kabita (07/02/2014)

Workshop :

1. Loksanskriticharcha o Bishlesan (08/10/2015 to 09/10/2015)

33. Teaching methods adopted to improve student learning: Use of Smart Classrooms, Conduction of Tutorial Classes, Workshop, Excursion, Seminars, and Group Discussions.

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

Through NSS, NCC, Participation in different types of Competitions, articles in magazine etc

35. SWOC analysis of the department and Future plans:

| | |
|---------------------|--|
| Strength: | a. Well equipped class rooms with audio visual aids and smart classes. b. Dedicated four full time faculty members and one Part Time in the Dept. |
| Weakness: | Lack of research projects.. |
| Opportunity: | Opening of M.A in Bengali. |
| Challenge: | To ensure that our students are well equipped to face the job market, competent to clear All India level entrance examinations and have research aptitude. |
| Future Plan | To initiate M.A in Bengali and apply for vocational courses. |
| | |

Annexure-I**List of Publications (2011-2016):-****Dr. Anita Saha****Papers in Journals:**

1. Saha Anita , Samajparibartane Rabindrabhabna, Sanbartika, (2nded.) Jagacha,Hawrah, ISSN-2319-9393

Chapter in Books:

1. Saha Anita, Rabindranather Dharmachetana O Rabindrasangeet, abindroponisad, Shreelipi, Midnapore ,ISBN-978-81-929996-0-9
2. Saha Anita, Sanskarmukta Rabindranath ,Rabindranath : Aamader Sanskritik Uttaradhiakar, Aasadeep , Kolkata, ISBN-978-93-81245-11-8
3. Saha Anita,Manabater Shadhak Rabindranath ,Kaler Mandiray,Shreelipi, Midnapore, ISBN :978-81-929996-1-6
4. Saha Anita, Nari Bhabanar Biral Pothik : Swami Vivekananda, AnanyoVivekanand, Shreelipi, Midnapore .
5. Saha Anita,Baul Gan O Rabindranath, Aaguner Parashmoni, Ekush Shatak, Kolkata , ISBN-9788191083217
6. Saha Anita, Lokosangeete Adhyatmyabhabana, Lokosangeeter Charachar, 2013
7. Saha Anita, Kabita Rachanay Nari:UnishShatak,Bangla Kabita MahilaKabir kalame, (1st Edition) Shreelipi, 2014, ISBN-978-81-929996-2-3

Books Published:

1. Saha Anita Bibhuti Bhutibhusan Bandyapadhyaya : GalperBhuban, 2013, Kabitika, Midnapore, ISBN-978-93-81554-27-2
2. Saha Anita Rabindranath :Aamader Sanskritik Uttaradhiakar,(edited), Aasadeep , Kolkata, ISBN-978-93-81245-11-8

Mr. Sarada Brata Laha**1. Paper in Journal**

1. Laha Sarada Brata, Kabi Nazrul o baishnabata, Atorjatik Pathshala, 2013, Page- 57-65, ISSN-2230-9594

2. Chapter in Books:

1. Laha SaradaB rata, Upanishader Aloke Rabindra Kabitay Mrityu Chetana, *Rabindroponisad*, (1st Edition) Shreelipi ,20114 ,Page 63-69,ISBN-978-81-929996-0-9
2. Laha Sarada Brata, Jibandarpone o Kabyabhabnay :Mankumari Basu, *Bangla Kabita Mahila Kabir* kalame, (1st Edition) Shreelipi, 2014 , ISBN-978-81-929996-2-3
3. Laha Sarada Brata, *Kaler Mandiray Rabindranath*, (1st Edition) Shreelipi,20114 ,ISBN-978-81-929996-1-6
- 4.Laha Sarada Brata, Baishnab Padabali Anushange Bhanusinha Thakurer Padabali, Rabinranath Amader Sanskritik Uttaradhiakar, Ashadeep-2012, Page-159-166, ISBN – 978-93-81245-11-8

Dr. Bipul K. Mandal**In Journals:**

1. Mandal Bipul Kumar ,Annandasankarer Chotogalpe Sadhinata Prasango , *Sangbartika*, Vol.- 3, No.- 1 , Issue- 5 (15 April 2014) , Page 67-76
2. Mandal Bipul Kumar, Annandasankarer Chotogalpo : Jiban Theke Srijan, *Visva-Bharati Patrika* , Oct. –Dec. 2014, Page 41-51
3. Mandal Bipul Kumar, Aditya Mallabarmner Chotogalpo : EktiOnudhyan,*Sangbartika*, Vol.- 4, No.- 1 , Issue- 7 (15 April 2015), Page 53-64
4. Mandal Bipul Kumar, Mananshil Bangla Upanyas O Annandasankar,*Sreejan* , Special Issue – April, 2015, Page 72-76

Chapter in Books:

1. Mandal Bipul Kumar,Rabindra-Oupanisadik Chetaner Utsabhumi Chhinnapatra, *Rabindroponisad*, (1st Edition) Shreelipi, 20114, Page 1-9 ,ISBN-978-81-929996-0-9
2. Mandal Bipul Kumar, Kalprabahe Kabita Singher Kabita ,*Bangla Kabita Mahila Kabirkalame* (1st Edition) Shreelipi, 20114, Page 47-60, ISBN-978-81-929996-2-3
3. RabindraLokhitVabna : BastabPrekshit ,*KalerMandiray Rabindranath* , (1st edition) Shreelipi, 20114, Page 35-43, ISBN-978-81-929996-1-6

Books Published :

1. Mandal Bipul Kumar ,2015 , Nirbachita Galpopath :BishShatak(1st Edition) , Shreelipi, Midnapore , ISBN-978-81-929996-6-1
2. Mandal Bipul Kumar ,2015 , Nirbachita Ekanka ;Bisoy O Shilpo(1st Edition), Shreelipi, Midnapore , ISBN-978-81-929996-7-8

Dr. Sujoy Kumar Maity**Papers in Journal :**

1. _Prabandhik Bitoshok: Mananer Anneswani Pathik‘, Srijan, Bisesch Prabandha Sankha, April 2015, ISSN No. – 2278-8689.
2. _Rabindranath, Vivekananda O Gora‘, Ranchi Biswavidyalaya Snatakottar Bangla BibhagiyaPatrika (Research Journal), March, 2015, Prakeshkal December, 2014.
3. _Rabindranather Sabhyater Sankat: Annadasankarer Bhabana‘, Srijan, December, 2013, ISSN No. 2778-8689.
4. _Sudhindranather Kabya-Prakaran :Sabda O Bhasa‘, AntarjatikPatshala, Januari-March, 2014, ISSN No. 2230-9594.
5. _Mahila Kabir Kalame Bangla Kabita :EktiRuprekha‘, MahilaKabirKalame, Srilipi rakasana, 24 March, 2014, ISBN No. 978-81-929996-2-3.
6. _Rabindra-Hridayer Marmaloke O Baishanab Padabali‘, Kaler Mandiray Rabindranath, Srilipi Prakeshan, 24 March, 2014, ISBN No. 978-81-929996-1-6.
7. _Gitanjalir Gan O Kabir Antardarshan‘, Rabindroponishad, SrilipiPrakashan, 31 March, 2014, ISBN No. 978-81-929996-0-9.
8. _SamakalerAlokey Vivekananda‘, SwimiVivekananda :Sardha Satabarsher Alokey, Jaladarchi Prakashani, March 2014, ISBN No. : 978-81-89339-85-2.
9. _Biswamanaber Pabitratirtha :Rabindra-AntareBharatdarshan‘, Arthaniti Samajniti : Rabindrachinter Abhimukh, De Publication, Baimela 2014, ISBN No.: 978-93-81679-61-6.

10 Eakus Sataka Vivekananda, Paschimbanga College O Biswavidyala Sikshak Samiti, Paschim MedinipurJela Committee Prakishata Vivekananda Smarak Grantha __Ananya Vivekananda', October 2012.

11 Annadasankarer __Afriker Katha', Samaj O Rajniti, July-September, 2011.

12 Rabindranather Sabhatar Sankat :Annadasankarer Bhabana, Srijan, June, 2012.

13 Jibenpathar Pragyer Prasanna Sikha : Abu SayedAiub, Pragya, Ghatal Rabindra Satabarshiki Mahavidyalaya Kartik Prakishata Gabesina Patrika, June, 2012, ISSN No.- 2249-8729.

14 Pratayban Manashi :Shibnarayan Roy, AntarjatikPatshala, April-June, 2011. ISSN No.: 2230-9594.

Book Published :

1. Natyakar Buddhaded Basu, (2nd Edition), Srijan Prakashani, January 2012.

2. Buddhadev Bosur __Tapaswi O TaranginiNiya', New Aharayani Publishers: 2012.

3. Bangla Prabandha :UnishBish (1st Vol.), New Aharayani Publishers : 12th October, 2015.

4. Bangla Prabandha :UnishBish (2nd Vol.), New Aharayani Publishers : 12th October, 2015.

3. **Awards :** Srijan Samman as a essay writer, in the year 2007.

Prof. Sutanuka Pal

In Journals:

Abong Tritiya Sahasrabd (edited)-A literary journal, 2014

Chapter in Books:

1. Rabindranather Geetinatya o Nrityanatya., Rabindranath: amader sanskritik uttaradhikar , Ashadeep -2012, ISBN 978-93-81245-11-8

2. Riturangashala O Rabindranath, Kalermamdiray : Rabindranath,Shreelipi, 2014 , ISBN 978-81-929996-1-6

Books : Parab Parbono Braterkatha (2nd edition), Bama Prakasana.

Evaluative Report of the Department

English

| | |
|---|--|
| 1.Name of the department: | English |
| 2.Year of Establishment: | 1957. English as Hons. Subject was launched from 1994-95 session onwards. |
| 3.Names of Programmes / Courses offered: | Bachelor of Arts (UG level) in English literature is studied both as Honours Subject and General subject. |
| 4.Names of Interdisciplinary courses and the departments/units involved: | Six-month Communicative English Course offered for students of all disciplines jointly with Career Advancement Centre of our college. |
| 5.Annual/ semester/choice based credit system (programme wise): | Annual |
| 6.Participation of the department in the courses offered by other departments: | In Spoken English course jointly offered by the department and Career Advancement Centre of our college. |
| 7.Courses in collaboration with other universities, industries, foreign institutions, etc. | UG and PG Course in English are successfully running in Open and Distance Learning mode in collaboration with Netaji Subhas Open University, Calcutta. |
| 8.Details of courses/programmes discontinued (if any) with reasons: | Nil |

9. Number of Teaching posts

| | Sanctioned | Filled |
|----------------------|--------------------|--------------------|
| Professors | No sanctioned Post | Nil |
| Associate Professors | No sanctioned Post | 1 (Through CAS) |
| Asst. Professors | 3 | 1 |

10. Faculty profile with name, qualification, designation, specialization.

| Name | Qualification | Designation | Specialization | No. of Years of Experience | No. of Ph.D. Students guided for the last 4 years |
|------------------------|-----------------------------|---------------------------|--|----------------------------|---|
| Debjani Mukherjee | M.Phil | Associate Professor & HOD | Indian Lit. American Lit | 18 yrs | --- |
| Bibhas Chand | M.A. B.Ed | Assistant Professor | Indian Lit, Literary Theory, Folk-culture | 10 yrs | --- |
| Nilam Agarwala | M.A. B.Ed | Part-time Teacher | Indian lit. & American lit. | 7 yrs | --- |
| Sraboni Chakraborty | M.A. | Part-time Teacher | American Lit | 7 yrs | --- |
| Soumyadeep Chakraborty | M.A. B.Ed M.Phil. (Ongoing) | Guest-Teacher | Indian English lit, Renaissance study, Films, Literary Theory. | 3 yrs | --- |
| Sayantoni Sarkar | M.A. B.Ed | Guest-Teacher | British Literature | 3 yrs | --- |
| Swati Sahoo | MA | Guest-Teacher | British Literature | 1yr | |

11. List of senior visiting faculty:

Dr. Tapan Jyoti Banerjee, Ph.D., Formerly Professor, Head, Dept. of English, & Dean, Faculty of Arts and Commerce & Registrar, Vidyasagar University, West Bengal.

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

05 % of total classes taken by two guest teachers (temporary faculty).

13. Student -Teacher Ratio (programme wise):

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: No sanctioned post.

15. Qualifications of teaching faculty with D.Sc./ D.Litt/ Ph.D/ MPhil / PG.-

Teaching faculty with Ph.D- 1

Teaching faculty with M.Phil- 1

Teaching faculty with PG- 6

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

I. Debjani Mukherjee, Associate Professor: UGC Sponsored Minor Research Project

| Sl | Funding Agency (Date & File No.) | Title of the Project Work | Amount | Status [Completed(Year)/ Ongoing] |
|----|--|--|----------------|--------------------------------------|
| 1 | UGC/PHW- 229/13-14(ERO) Dt.-18.03.2015 | Crossing the Threshold :Anita Desai and Her Women | Rs.-1,50,000/- | Ongoing |

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Rs. 3, 89,181 from CPE-UGC

18. Research Centre /facility recognized by the University- Nil

19. Publications by Faculty:

1. Debjani Mukherjee, Associate Professor:

Seminar Proceedings: 1

2. Bibhas Chand, Assistant Professor:

(I) Number of papers published in peer reviewed journals:

International: 1

(II) Chapter in Books:

(1) ~~Introduction~~ to RAJA DITIYO EDWARD, Bengali Translation of *Edward the Second* of Christopher Marlowe by Kalpataru Chand. Kolkata: Dove Publishing House. 3rd Ed in 2014. ISBN: 978-93-82399-36-0

(Address of Publisher: Dove Publishing House, 9/4 Tamer Lane, Kolkata-700009. W.B.)

(III) Books

Edited:

(1) A Book of Selected English Poems (Ed.). 4th edition. 2014.
ISBN: 978-81-920678-6-5. Kolkata: Dove Publishing House.

(2) RAMKRISHNA CHARITAMRITA (1901) by Bhuban Chandra

Mukhopadhyaya. Edited and published after more than 100 years of its 1st publication with a long well-researched Introduction. 2008. Kolkata: Dove Publishing House. ISBN: 978-81-920678-7-2.

(IV) Books with ISBN numbers with details of publishers:

- (1) Godor Jonnya Opeksha- Bengali translation of Samuel Beckett's *Waiting for Godot*. 2nd Edition. 2011. ISBN: 978-81-920678-5-8. Kolkata: Dove Publishing House. (Reviewed in DESH).
- (2) Major Barbara- Bengali translation, with a long Introduction, of George Bernard Shaw's *Major Barbara*. 2005. Republished in 2015 with ISBN: 978-93-82399-37-7. Kolkata: Dove Publishing House.

(3) Soumyadeep Chakraborty, Guest Teacher (Temporary):

(I) Number of papers published in peer reviewed journals:

National: 03

1 Chakraborty, Soumyadeep. (2015). *Portraying Marriage in the Formation of 'Thirdness': A Study of Shashi Deshpande's Roots and Shadows*. *Litscape* (ISSN: 0976-9064). Volume 9, Number 1, 125-131.

Chakraborty, Soumyadeep. (2015). *Voicing the 'Thirdness': A Study of Shashi Deshpande's That Long Silence*. *Middle Flight* (ISSN: 2319-7684), Volume 4, Number 1 (Issue: July 2015), 226-236.

Chakraborty, Soumyadeep. (2015). *A 'Room' of Sarita's Own: 'Third-World Feminism' and Shashi Deshpande's The Dark Holds No Terrors*. *Indian Journal of Research in Multidisciplinary Studies* (ISSN: 2348-2524), Volume 2, Number 1 (Issue: February 2015), 117-121.

21. Faculty as members in Editorial Board.

1. Debjani Mukherjee, Associate Professor:

(i) Executive Member of *Litscape* (ISSN: 0976-9064), Journal of VUETC (Vidyasagar University English Teachers' Consortium).

2. Bibhas Chand, Assistant Professor,

(i) Executive Member of *Litscape* (ISSN: 0976-9064), Journal of VUETC (Vidyasagar University English Teachers' Consortium).

3. Dr. Tapan Jyoti Banerjee:

(i) Editor-in-Chief: *Litscape* (ISSN: 0976-9064), Journal of VUETC (Vidyasagar University English Teachers' Consortium).

4. Soumyadeep Chakraborty, Guest Teacher: Executive Member of *Litscape* (ISSN: 0976-9064), Journal of VUETC (Vidyasagar University English Teachers' Consortium).

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/ programme: NA

Details of Students' Project: N.A

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies:

Not applicable as it is not a lab-based subject.

23. Awards / Recognitions received by students:

Simonty Sen, English Hons. 2nd Yr.: Champion in Inter-University Debate Competition (2015-16)

24. List of eminent academicians and visitors to the department. (2015-16)

❖ Dr. Sarbani Chaudhury, Professor and Head, the Department of English, University of Kalyani

❖ Dr. Tirthankardas Purkayastha, Professor and Head, the Department of English, Vidyasagar University

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

a) State-level: 1

Report of the Seminar

Status of the Seminar: State-Level Seminar

Organizer: Department of English, Raja N.L. Khan Women's College

Title of the Seminar: –Shakespeare in India||

Date: 22nd January, 2016

Venue: Rabindra Neer

Dignitaries:

❖ Dr. Tapanjyoti Banerjee, Professor and Formerly Head, the Department of English, Vidyasagar University

❖ Dr. Sarbani Chaudhury, Professor and Head, the Department of English, University of Kalyani

❖ Dr. Tirthankardas Purkayastha, Professor and Head, the Department of English, Vidyasagar University

26. Student profile programme/course wise:

| Name of the Course/programme (refer question no. 4) | Applications received | Selected | Enrolled | | Pass percentage |
|---|-----------------------|----------|----------|----|-----------------|
| | | | *M | *F | |
| B.A. English Hons. (2012-2015) | 725 | 72 | - | 60 | 96% |

*M = Male *F = Female

27. Diversity of Students

| Name of the Course | % of students from the same state | % of students from other States | % of students from abroad |
|-----------------------|-----------------------------------|---------------------------------|---------------------------|
| UG (HONS.) | 90% | 10% | Nil |
| UG (General) | 100% | 0% | Nil |
| Communicative English | 100% | 0% | Nil |

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?
NET: 2; Police Service: 2 (2011-2015).

29. Student progression

| Student progression | Against % enrolled |
|--|---|
| UG to PG | 90% (Regular & Distance Mode taking together) |
| PG to M.Phil. | 18% |
| PG to Ph.D. | 10% |
| Ph.D. to Post-Doctoral | Not reported |
| Employed • Campus selection • Other than campus recruitment | 10% |
| | 30% (Through West Bengal High School and Primary School Service.) |
| Entrepreneurship/Self-employment | 10% |

30. Details of Infrastructural facilities

- a) **Library:** Department has a rich seminar library having syllabus oriented books. Students easily borrow books from the Department as per their need. Besides, students borrow reference books, journals, etc. from the Central Library, a modernized library, where they search books with the help of OPAC software. In 2015, English Department Alumni Association has donated many text books for the needy students.

Number of books on English literature: Seminar Library: 632. Central Library: 2414. Alumni Association: 125.

- b) **Internet facilities for Staff & Students:** Internet facility is available for both faculty members and the students. Internet facility is available in the Department for teachers. The students get this facility in Central Library from e-corner, Career Advancement Centre.
- c) **Class rooms with ICT facility:** The department has one well-equipped smart classroom having 100 seat capacity.
- d) **Laboratory:** The department has one language laboratory with Internet facility, Audio-visual system basically for the promotion of Communicative English.

31. Number of students receiving financial assistance from college, university, government or other agencies: 50%

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

Dr. Monika Reif-Hulser, Professor in English, University of Constance, Germany, visited the Department and delivered a lecture on Postcolonialism and Indian Literature in 2013.

33. Teaching methods adopted to improve student learning:

Along with age old TLM, we now use Audio-visual method to improve the teaching-learning process and for better apprehension of the students. The smart classroom has been built with fixed overhead projector, digital whiteboard and microphone system. Teaching materials are discussed through Power-point presentation. Film versions of the plays of Shakespeare and famous fictions are equally enjoyed by the students.

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

As ours is women's college, the girls have to use gas oven to cook either at home or outside. So, every year we arrange a workshop titled 'Safe Clinic' with the help of an authorized gas distributor of Midnapore town to teach all safety measures to be taken while cooking in LPG.

35. SWOC analysis of the department and Future plans:

| | |
|---------------------------------------|--|
| STRENGTH: | The department has well-equipped smart classroom, language laboratory, wide airy classrooms, rich seminar library, internet facility. Above all, there is good cordial relationship between the faculty members and between teachers and students. The number of student's enrollment is very strong from its inception. The students of our department are very sound in cultural exposure. Every year they occupy so many ranks in College and University Cultural competition |
| WEAKNESS: | There are only two permanent faculty members. |
| OPPORTUNITY: | As our students are capable of expressing themselves in English, they easily become successful in national level examinations of various jobs. |
| CHALLENGES & FUTURE PLANS: | We have many plans to do in near future. We want to launch coaching class on University entrance test for the last year students after the end of their final examination. We also think of carrying out guide for subject-oriented examination in various levels. In future, we would go for introducing PG course in English if more faculty members are provided. |
| | |

Evaluative Report of the Department

Sanskrit

| | |
|---|------------------------------|
| 1.Name of the department | SANSKRIT |
| 2.Year of Establishment : | 1969 |
| 3.Names of Programmes /Courses offered (UG,PG,M.Phil.,Ph.D.,Integrated Masters;IntegratedPh.D.,etc.) | UG –B.A Honours and General. |
| 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.Detailsofcourses/programmes discontinued(if any)with reasons : | NIL |

9. Number of Teaching posts

| | Sanctioned | Filled |
|----------------------|--------------------|-----------------------|
| Professors | N.A | N.A |
| Associate Professors | No Sanctioned Post | 01(Through promotion) |
| Asst.Professors | 04 | 01 |

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

| Name | Qualification | Designation | Specialization | No.of Years of Experience | No.of Ph.D. Students Last 4 years |
|--------------------|--------------------|---------------------|----------------|---------------------------|-----------------------------------|
| ILA NANDA | M.A., B.Ed, M.Phil | ASSOCIATE PROFESSOR | KAVYA | 28 YRS | NA |
| GITANJALI TRIPATHY | M.A., M.Phil | ASST. PROFESSOR | VYAKARANA | 7 YRS | NA |
| PRITIKANA MAITY | M.A., B.Ed | PART – TIME TEACHER | KAVYA | 8 YRS | NA |
| AYAN GHATI | M.A., M.Phil | PART – TIME TEACHER | DARASANA | 7 YRS | NA |
| BAHARAM MALLICK | M.A., M.Phil | PART – TIME TEACHER | KAVYA | 6 YRS | NA |

11. List of senior visiting faculty : NIL

12. Percentage of lectures delivered and practical classes handled(programmewise) By temporary faculty : **UG – 50%**

13. Student-Teacher Ratio (programmewise):**Homours: – 36 – 1**

14. Number of (technical) and administrative staff sanctioned and filled : **NA**

15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG. :**PG – 05, M.Phil - 04**

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 : Rs. 389181 from CPE-UGC.

18. Research Centre/facility recognized by the University : **NIL**

19. Publications:

- * a) Publication per faculty: 2
- * Number of papers published in peer reviewed journals (national/ international) by faculty and students : Nil
- * Number of publications listed in International Database (ForEg: Web of Science, Scopus, Humanities International Complete, Dare Database- International Social Sciences Directory, EBSCO host, etc.)
- * Monographs
- * Chapter in Books
- * Books Edited : 02, edited by Smt. Ila Nanda (2014-15).
- * Books with ISBN/ISS Nnumbers with details of publishers: 02
- * Citation Index : Nil
- * SNIPL: Nil
- * SJR: Nil
- * Impactfactor: Nil
- * h-index: Nil

20. Areas of consultancy and income generated :NIL

21. Faculty as members in

a) National committees b) International Committees c) Editorial Board : NIL

22. Student projects

a) Percentage of students who have done in-house projects including interdepartmental/ programme :**NIL**

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies : **NIL**

23. Awards/Recognition sreceived by faculty and students : NIL

24. List of eminent academician and scientists/visitors to the department : Dr. Bhaskar Bhattacharya, Dept. of Sanskrit, RBU, Dr. Pravat kr. Mishra, Dept. of Philosophy, Dr. A.K. Mishra, Dept . of Sanskrit, V.U. , Dr. Minakshi Singharoy Dept. of Bengali, Hiralal Dutta Memorial College for women& RBU, Dr. Jagamohan Acharya, Dept. of Sanskrit, Khargapur College.

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

a) National : **NIL**

Departmental seminar – 05 b) International: **NIL**

Spoken Sanskrit Workshops

| Year and Date | Number of Participants | Funding |
|-----------------------|------------------------|---------|
| 13/08/2011-20/08/2011 | 55 | College |
| 13/08/2012-20/08/2012 | 65 | Do |
| 12/08/2013-20/08/2013 | 65 | Do |
| 13/08/2014-20/08/2014 | 65 | Do |
| 13/08/2015-20/08/2015 | 80 | Do |

Departmental Seminars

| Date | Topic | Speaker |
|------------|-----------------------------------|--|
| 17/08/2012 | Gita in our present life | Dr.B.Bhattacharya,Rabindrabharati University |
| 22/03/2013 | Importence of VEDA | Dr. A.K Misra,Vidyasagar University |
| 07/09/2013 | Utility of Sanaskrita Vhasa | Dr. Pravat Kumar Mishra,Vidyasagar University. |
| 31/03/2014 | Ribindranather Upanisadik Bhavana | Dr Minakshi Singha Roy, Hiralal Memorial Girl's College. |
| 29/08/2015 | Sanskrit is a dead language | Dr. Jagamohan Acharya,Kharagpur Collge. |

26. Student profile programme/coursewise:

| Name of the Course/programme(refer question no. 4) | Applications received | Selected | Enrolled | | Pass percentage |
|--|-----------------------|----------|----------|----|-----------------|
| | | | *M | *F | |
| B.A-Hons.-2012-13 | 500 | 55 | | 48 | 98.2% |
| B.A-Hons.-2011-12 | 450 | 55 | | 47 | 100% |
| B.A-Hons.-2010-11 | 480 | 50 | | 48 | 89.58% |
| B.A-Hons.-2009-10 | 500 | 45 | | 44 | 97.72% |

*M=Male *F=Female

27. Diversity of Students

| Name of the Course | % of students from the same state | % of students from other States | % of students from abroad |
|--------------------|-----------------------------------|---------------------------------|---------------------------|
| B.A | 100% | 0% | 0% |

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : **NET – 03**

29. Student progression

| Student progression | Against % enrolled |
|--|--------------------|
| UG to PG | 100% |
| PG to M.Phil. | 10% |
| PG to Ph.D. | 5% |
| Ph.D. to Post-Doctoral | NIL |
| Employed • Campus selection • Other than campus recruitment | – |
| | 15 |
| Entrepreneurship/Self-employment | NIL |

30. Details of Infrastructural facilities a) Library: **YES**,
Number of books-853

- b) Internet facilities for Staff & Students: YES
- c) Class rooms with ICT facility: **01**
- d) Laboratories: NIL

- 31. Number of students receiving financial assistance from college, university, Government or other agencies : 10% from college and also a percentage of students get scholarships from other sources.
- 32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts : Workshop-05, Seminar– **05**
- 33. Teaching methods adopted to improve student learning: Audio visual Aids.
- 34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Students participate via NSS and NCC units.

35. SWOC analysis of the department and Future plans

| | |
|---------------------|--|
| Strength: | <ul style="list-style-type: none"> • High Students strength. |
| Weakness: | <ul style="list-style-type: none"> • Low Students Teacher Ratio |
| Opportunity: | <ul style="list-style-type: none"> • A Proposal for P.G Department and a permanent Spoken Sanskrit Centre for all students. |
| Challenge: | <ul style="list-style-type: none"> • To improve the Knowledge of students. • To improve the performance of students in All India competitive Exam. • To motivate the students in Research Activities. |
| Future Plan | <ul style="list-style-type: none"> • To publish a departmental journal every year. • To organize a –gurukula research centre. |
| | |

Evaluative Report of the Department

Hindi

| | |
|--|--------------------|
| 1. Name of the department – | Hindi |
| 2. Year of Establishment- | 1998 |
| 3. Names of programmes / Courses offered (UG , PG , M.Phil , Ph.D, Integrated . We have elective Hindi for graduation courses. The department offer compulsory hindi for third year Masters, Integrated Ph.D etc.): | UG (Hindi General) |
| 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 | Nil |

9. Number of Teaching posts

| | Sanctioned | Filled |
|-----------------------------|-------------------|---------------|
| Professors | NA | NA |
| Associate Professors | NA | NA |
| Asst. Professors | 1 | NA |

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

| Name | Qualification | Designation | Specialization | No. of Years Of Experience | No. of Ph.D Students guided for the last 4 years |
|-----------------|----------------------|--------------------|-----------------------|-----------------------------------|---|
| S.Bhakat | M.A.H.T.T | P.T.T | Premchand | 17 | |

11. List of senior visiting faculty: NA

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:100%

13. Student-Teacher Ratio (programme wise) :-25:1

14. Number of academic support staff (technical) and administrative staff, sanctioned and filled

15. Qualifications of teaching faculty with DSc / D.Litt / Ph.D / M.Phill / PG. : NA

16. Number of faculty with ongoing projects form a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST – FIST , UGC , DBT ,ICSSR, etc . and total grants received : Nil

18. Research Centre / facility recognized by the University :Nil

19. Publications:

- * a) Publication per faculty S,Bhakat translated one book named " **Trimatrik** "

- * Number of papers published in peer reviewed journals (national / international) by faculty and students

- * 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

- * Chapter in Books

- * Books Edited

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

- * Citation Index

- * SNIP

- * SJR

- * Impact factor

- * h-index

20. Areas of consultancy and income generated: NA

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards: Nil

22. Student projects

a) Percentage of students who have done in – house projects including inter departmental programme: Nil

b) Percentage of students placed for projects in organization outside the institution i.e.in Research laboratories / Industry / other agencies. Nil

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

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

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

a) Sumita Bhakat attended two national seminar and a workshop regarding the new syllabus in V.U.

b) International

26. Student profile programme/ course wise

| Name of the Course/programme (refer question no.4) | Applications Received | Slected | Enrolled | | Pass sppercentage |
|--|-----------------------|---------|----------|----|-------------------|
| | | | *M | *F | |
| | | | | | |
| Hindi (Gen):2010-11 | 13 | 13 | | 13 | 100% |
| Hindi (Gen):2011-12 | 10 | 10 | | 10 | 100% |
| Hindi (Gen):2013-14 | 14 | 14 | | 14 | 100% |
| Hindi (Gen):2014-15 | 19 | 19 | | 19 | 100% |
| Part II (COMP) | 19 | 19 | | 19 | 100% |

* M= Male *F= Female

27. Diversity of students

| Name of the Couse | % of students from the same state | % of students from other States | % of students from abroad |
|-------------------|-----------------------------------|---------------------------------|---------------------------|
| UG | 90% | 10% | |

29. 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 | 20% |
| PG to M.phil.. | 2% |
| PG to ph.D. | - |
| Ph: D. to Post-Doctoral | - |
| Employed | |
| • Campus selection | - |
| • Other than campus recruitment | 3% |
| Entrepreneurship/ Self- employment | 10% |

30. Details of Infrastructural facilities

a) Library A seminar Library is set up in the department. It has 103 books of its own and some books have been shifted from general library too.:

b) Internet facilities for Staff & Students:NA

c) Class rooms with ICT facility: NA

d) Laboratories

31. Number of students receiving financial assistance from college, university, government or other agencies: 1 student per year

32. Details on student's enrichment programmes special lectures, workshops, seminar, with external experts. We always take our students to the seminars conducted in Vidyasagar University.

33. Teaching methods adopted to improve student learning_– The tutorial classes are conducted in Hindi department

34. Participation in institutional social responsibility and extension activities –some time students from rural college come to our department we solve their difficulties about speaking Hindi.

35. SWOC analysis of the department and future plans,

| | |
|--------------------|--|
| Strength | Main strong point of our department is our pass percentage. We are proud to declare that the success rate of our Hindi department is 100%. |
| Weakness | Now we have one sanctioned post and we are managing with one part Time teacher. So the Staff strength is inadequate to cope with all classes according to syllabus. This is our main weakness. |
| Opportunity | Initiation of certificate course in spoken Hindi. |
| Challenges: | To strengthen the department by enhancing student strength and introduction of honours course |

Evaluative Report of the Department

History

| | |
|--|--|
| 1.Name of the department : | History |
| 2.Year of Establishment : | 22 nd August 1957 –General. July, 1962-Honours |
| 3.Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): | UG-B.A(Honours) and B.A (General) |
| 4.Names of Interdisciplinary courses and the departments/units involved: | Human Rights, Environmental Studies. |
| 5. Annual/ semester/choice based credit system (programme wise): | Annual. |
| 6.Participation of the department in the courses offered by other departments: | Participation of the students into mandatory computer courses offered by BCA and Computer SC under the Carrier Advancement Centre. |
| 7.Courses in collaboration with other universities, industries, foreign institutions, etc. | Nil |
| 8.Details of courses/programmes discontinued (if any) with reasons | Nil |

9.Number of Teaching posts

| | Sanctioned | Filled |
|----------------------|--------------------|-----------------------|
| Professors | Nil | Nil |
| Associate Professors | No Sanctioned Post | 2 (Through Promotion) |
| Asst. Professors | 2 | 2 |

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

| Name | Qualification | Designation | Specialization | No. of Years of Experience | No. of Ph.D. Students guided for the last 4 years |
|----------------------|-----------------|----------------------|----------------|----------------------------|---|
| Dr. Rina Pal | M.A Ph.D. | Asso. Prof and H.O.D | Modern India | 33+ | N.A |
| Dr. Parul Chatterjee | M.A B.ED, Ph.D. | Asso. Prof | Modern India | 25+ | N.A |
| Prof. Mita Biswas | M.A, B.ED. | Assist.Prof | Ancient India | 09+ | N.A |
| Prof.Shamapada Shit | M.A B.ED. | Assist.Prof | Ancient India | 09+ | N.A |

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty;-Nil
13. Student -Teacher Ratio (programme wise): Hons (2015-16)- 38:1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Nil
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:Ph.D-02, PG-02
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: 01

| | | |
|-----------------------------|-------------|----------------------------------|
| Dr. Parul Chatterjee | ICHR | Sanctioned Rs. 2,50,000/- |
|-----------------------------|-------------|----------------------------------|

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: UGC-Total-Rs.-1,33,000/- (Research projet)

: ICHR -Total Rs.-2,50,000/-(Research projet)

CPE- Rs.391196.00

18. Research Centre /facility recognized by the University: NA

19. Publications:

a) Publication per faculty:Dr. Rina Pal-22

Dr. Parul Chatterjee-15

Prof. M Biswas-05

Prof S. Shit-04

Number of papers published in peer reviewed journals (national / international)
by faculty and students

Dr.Rina Pal:

1. Anchalik Itihas Rachana: Medinipur Kayekti Uddyog, Srijan (ISSN 22788689), Srijan publication, vol 19(1), 2011.
2. Rabindranather Rastrabhabna, Purba, Sraddhanjali Publication, vol 7(1), 2011.
3. Nari Jagaran O Swami Vivekananda, Srijan (ISSN 22788689), Srijan Publication, vol 20(1), 2012.
4. Rabinather Chintachetanay Nari, Nityakaler Jatri, Rabindra Sardhashatabarsha Smarak Grantha, edited by Ajaharuddin Khan, Rabindranah Thakurer sardhasartabarsha Udjapan Committee, 2012.
5. Rabindranather Palli Bhabna O Tar Prasangkata, Srijan (ISSN 22788689), Srijan Publication, vol 19, 2012.
6. Swami Vivekander Itihas Chetana in Ananya Vivekananda, WBCUTA, 2012.
7. Sufia Kamal: Shatabarsher Shraddhanjali, Sangvartika (ISSN: 2319-9393), vol 1, issue 2, 2012
8. Rabindranather Swajyatyabodh O Swadeshbhabna, Rabindranath: Amader Sanskritik Uttoradhikar (ISBN 9789381245118), Ashadeep Publication, Kolkata, 2012.
9. Sardhosatobarse Chandramukhi Basu O Kadamboni Ganguli Published in Sangvartika, (ISSN: 2319-9393), vol 1(1): issue1, 2012.
10. Protham Protisruti, Amar Anubhob, Purba, Saddranjali, vol 8(1), 2012.
11. Shikshaguru Ashutosh Bandyopadhyay O Jatiya Siksha Andolan, Srijan (ISSN 22788689), Srijan Publication, vol 21(2), 2013.
12. Radhanath Sikdar, Ek Alokbarika, Shabder Michhil, Paschim Banga Ganatrantik Lekhok Shilpi Sangha, vol 31(1), 2013.
13. Environmental Movement for Sustainable Development, in The Study of Social History Recent Trends (ISBN8180642453), Progressive Publishers, Kolkata, 2013.
14. Nari O Manabadhikar in Samaj Jigyasa, Vidyasagar Centre for Social Sciences ISSN; 2321-158, vol 7, no1&2, 2013.
15. William Kery; Sangvartika (ISSN: 2319-9393), vol 4(1): issue7, 2013.
16. Vidyasagarer Shikshabhabna in Vidyasagar: Ananya Bhabnay, Srijan Prakashani, edited by Lakshman Karmakar, 2014.
17. Linga Baisamya, Srijan, voi 22, issue2, 2014.
18. Saardhasatabarshe Satishchandra, Sangvartika, (ISSN: 2319-9393), vol 3(2): issue 6, 2014.

19. Women in Indian Freedom Struggle, in Women in Contemporary India, edited by Dr Debnarayan Modak & Iyasin Khan, ISSN no-978-93-82600-12-1, Education Forum, Kolkata.
20. Banglail Muslim Nari Jagoron: Utser Sandhana, Sangvarbtika (ISSN: 2319-9393), Vol-04, Issue 8, 2015.
21. Sardhasatobarse Lady Abola Basu, Srijan (ISSN 22788689), Srijan (ISSN 22788689), vol- Issue 2, 2015.
22. Vimrau Ramji Ambedkar: Dalito Mukti Andolone, Sabder Michhil, Vol-33, Issue 1, 2015.

Dr.Parul Chatterjee

1. Chaitanya Porikrama Prosonge Rabindranath, Rabindranath Amader Sanskritik Uttoradhikari, edited by Dr. Anita Saha and Dr. Sushanta Kumar Samant 2012
2. What is the Compulsion Behind The Study of History of Science, read out in National Seminar at Pingla Thana Mahavidyalaya on 10.02.2012
3. Samaj Biplob Ajana Anamni Bidushi Muslim Mahila (in the District of Burdwan), read out in the National Seminar and conference of Paschim Banga Itihash Samsad on 26.01.2012 and then published in Itihash Onusandhan 2013
4. Amar Valolaga- Hridi Brindabone in Purbo 2012
5. Himalaya theke Kanyakumari: Poribrajak Vivekananda in Ananyo Vivekananda (book), Paschim Banga College and Teachers' Association, West Midnapore Zilla Committee 1418
6. Economic Exploitation of Child Labour in India, powerpoint presentation in National Seminar in Panskura Banamali College on 17.03.2015, Panskura West Midnapore
7. Swami Vivekananda and Youth Movement in India, CLIO, CORPUS, Jadavpur University (in press)
8. Sarala Devi Chaudhurani and Bharati Patrika, Srijon (in press)
9. Hajar Churashir Maa- Ek Nari Satta, Maa Onuvobe o Onudhyane (book) (in press)
10. Swami Vivekananda: the Teachings on Practical Vedanta, the Quarterly Review of Historical Studies, Indian Institute of Historical Studies, Kolkata, accepted
11. From Haat to Bazaar and then Supermarket, The socio Economic Condition of the Common People in the District of Burdwan (a Study from 1950 till date), accepted for reading out at the National Seminar at Panskura Banamali College, East Midnapore
12. Toto- A Sub Himalayan Tribe in West Bengal: Dalit Empowerment in Post-Colonial India/ West Bengal, submitted for the INQUEST journal and National Seminar on 8th and 9th October 2015.
13. Application of Science at Harappa, submitted on 18.09.2015 for the e-journal of Raja N.L.Khan Women's College, West Midnapore
14. Napoleon Bonaparte- the Icon of France, Samhita, Annual Magazine, Raja N.L.Khan women's college, West Midnapore 22.08.2015
15. Problems of Upliftment of Muslim Women and Try to Progress (A case study of Burdwan District) read out in National Seminar and CORPUS 03.02.2013

Prof.Mita Biswas:

1. Nari Jagaraner Agradut Sufia Kamal-Sanhita, Raja N.L.Khan Women's College, 2011.
2. Begam Rokeya O Naribad-Sanhita, Raja N.L.Khan Women's College, 2013
3. Binati Ba Puran- Sanhita, Raja N.L.Khan Women's College, 2014
4. Saotali Utsab- Sanhita, Raja N.L.Khan Women's College, 2015
5. Social Customs Of Muslim Women in colonial Bengal-IJPOS, ISSN 2454-9371, Red Flower Publication, Delhi, Vol-01, July-December, 2015.

Shamapada Shit:

1. Union Bord Borjon Andolone Birendranath Sasmaler Bhumika- Sanhita,Raja N.L.Khan Women's Coolege,2013
2. Swadesi Andolone Medinipurer Chatra O Juvekder Bhumika- Sanhita,Raja N.L.Khan Women's Coolege,2014
3. Bharater Mukti Sangrame Veer Biplabi Hemchandra Daskanungo- Sanhita,Raja N.L.Khan Women's Coolege,2015.
4. Sadhinata Andanale Abivakta Medinipur Zillir Chatra o Juvek der Bhumika.Sangbartika- ISSN no-23199393-2015.

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

Chapter in Books- R.Pal-04

P.Chatterjee:-02

Books Edited

Books with ISBN/ISSN numbers with details of publishers

Dr. Rina Pal:

1. Environmental Movement for Sustainable Development, in The Study of Social History Recent Trends (ISBN8180642453), Progressive Publishers, Kolkata, 2013.
2. Vidyasagarer Shikshabhabna in Vidyasagar:Ananya Bhabnay, Srijan Prakashani, edited by Lakshman Karmakar, 2014.
3. Rabinather Chintachetanay Nari, Nityakaler Jatri,Rabindra Sardhashatabarsha Smarak Grantha, edited by Ajaharuddin Khan, Rabindranah Thakurer sardhasartabarsha Udjapan Committee, 2012.
4. Women in Indian Freedom Struggle,in Women in Contempory India,edited by Dr Debnarayan Modak & Iyasir Khan,Issn no-978-93-82600-12-1,Education Forum, Kolkata, 2015.

Dr. Parul Chatterjee

1. Himalaya theke Kanyakumari: Poribrajak Vivekananda in Ananyo Vivekananda (book), PaschimBanga College and Teachers' Association, West MidnaporeZilla Committee 1418
2. HajarChurashir Maa- EkNariSatta, Maa Onuvobe o Onudhyane (book) (in press)

Citation Index:-NA

SNIP:NA

SJR:NA

Impact factor:NA

h-index:NA

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial

Boards

Dr.Rina Pal-

1. Member of BOS, Midnapore College PG
2. Member, Editorial Board of Sangbartika (Journal)

Dr.Parul Chatterjee-

1. Life member of the Paschim Banga Itihas Samsad, Kolkata
2. Life member of the Indian Institute of Historical Studies, Kolkata
3. Life member of Corpus Research Institute, Jadavpur University, Kolkata
4. Member of the History Congress, Kolkata
5. Member of State Archives, Kolkata, West Bengal
6. Member of National Library, Kolkata
7. Member of the Ramakrishna Mission Cultural Institute, Golpark, Kolkata
8. Member of the Bangiya Sahitya Parisad, Maniktala, Kolkata
9. Associate Editor of E- journal (Anudhyan)

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme- Nil

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil

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

24. List of eminent academicians and scientists / visitors to the department: Dr. Tanveer Nasreen-Associate Professor of History, Burdwan University.

Dr. Ranjan Chakraborty, Vice-Chancellor, Vidyasagar University.

25. Seminars/ Conferences/Workshops organized & the source of funding a) National

b) International

1.Seminar:Bangladesher Mukti Judha Nari 01 (2.12.2013) Speaker-Dr. Tanveer Nasreen

1.Rights of Women ,Collaboration with CINI (17 & 18 March 2015)

2.Gender Equiality,collaborated with Swayam (22.09.2015)

26. Student profile programme/course wise:

| Name of the Course/programme (refer question no. 4) | Applications received | Selected | Enrolled | | Pass percentage |
|---|-----------------------|----------|----------|----|-----------------|
| | | | *M | *F | |
| B.A(Hons)-2012-13 | 100 | 55 | - | 46 | 100% |
| B.A(Hons)-2011-12 | 110 | 55 | - | 39 | 100% |
| B.A(Hons)-2010-11 | 98 | 50 | - | 35 | 100% |
| B.A(Hons)-2009-10 | 100 | 45 | - | 38 | 100% |

*M = Male *F = Female

27. Diversity of Students

| Name of the Course | %of students from the same state | %of students from other States | % of students from abroad |
|--------------------|----------------------------------|--------------------------------|---------------------------|
| B.A (Hons) | 100 % | .NIL | Nil |

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

| | |
|-----------------------|-----------|
| SET | 03 |
| SSC | 28 |
| Police Service | 10 |
| Others | 16 |

29. Student progression

| Student progression | Against % enrolled |
|----------------------------------|--------------------|
| UG to PG | 70-80% |
| PG to M.Phil. | 2% |
| PG to Ph.D. | 2.5% |
| Ph.D. to Post-Doctoral | NA |
| Employed | Nil |
| • Campus selection | |
| • Other than campus recruitment | 54 |
| Entrepreneurship/Self-employment | 54% |

30. Details of Infrastructural facilities

a) Library:

Central Library: 2561

Seminar Library: 1032

b) Internet facilities for Staff & Students: Yes

c) Class rooms with ICT - 01

Facility:

d) Laboratories-NA, Museum-02

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

1. College :-24 (Half Free/Full Free)**2. Government: Kanyasree :- 30**

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

Workshop-02 Seminar -01

33. Teaching methods adopted to improve student learning: Class Lecture with A/V aids. Use of Museum and map, coins while teaching.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Through NSS, NCC in Blood donation camp, Legal Awareness camp, Observation of Human Rights Day, Aids Day, Tree Plantation, World Environment Day.

35. SWOC analysis of the department and Future plans:

| | |
|---------------------|---|
| Strength: | Cordial relationship between teachers and students. |
| Weakness: | Students with good academic result are not interested to study History. |
| Opportunity: | ICT class room, Intenet Facility. |
| Challenge: | To establish the utility of the subject to the students. |
| Future Plan | To Introduce PG in History. |
| | |

Evaluative Report of the Department

Political Science

| | |
|---|--|
| 1.Name of the Department | : Political Science |
| 2.Year of Establishment : | 16 th March , 1968 |
| 3.Name of the Programmes/ Course offered – | UG-Honours and General |
| 4.Names of the Interdisciplinary Courses and the departments involved : | Environmental Studies and Human Rights |
| 5.Annual/Semester/choice based credit system (Programme Wise) : | Annual |
| 6.Participation of the department in the courses offered by the other departments: | Participation of the students in the mandatory computer course offered by the BCA and the Computer Sc. Department. |
| 7. Courses in Collaboration with other Universities, industries, foreign institutions etc. | Nil |
| 8.Details of Courses/Programmes discontinued (if any) with reasons: | N.A. |

9. Number of teaching posts

| Posts | Sanctioned | Filled |
|----------------------|--------------------|------------------|
| Professors | - | - |
| Associate Professors | No Sanctioned Post | 1 (Through CAS) |
| Assistant Professors | 3 | 1 |

10. Faculty profile with name, qualification, designation, specialization

| Name | Qualification | Designation | Specialization | No of Years of Experience | No of Ph.d. students guided for the last 4 years |
|--------------------|---------------|-------------------------------------|--------------------------------------|---------------------------|--|
| Anjali Pramanik | M.A. | Associate Professor and HOD | International Law and Organization | 26+ | NIL |
| Parikshit Thakur | M.Phil | Assistant Professor | South and South East Asia | 5+ | NIL |
| Binindita Dasgupta | M.A. | Part Time Teacher (Govt. Approved) | Political Sociology | 17+ | NIL |
| Gopa Das | M.A. | Part Time Teacher (Govt. Approved) | Sociology and Political Anthropology | 16+ | NIL |
| Rita Das Mahapatra | M.A. | Part Time Teacher (Govt. Approved) | Sociology and Research Methodology | 8+ | NIL |

11. List of Senior Visiting Faculty: NIL

12. Percentage of lectures delivered and practical classes handled by temporary faculty : NIL

13. Student Teacher Ratio 20:1(Hons.)

14. Number of Academic support staff (technical) and administrative staff; sanctioned and filled: NIL

15. Qualification of the teaching faculty with D.Sc./D.litt/Ph.d/ M.Phil/PG : M.phil -1 , PG-4

16. Number of faculty with ongoing projects from a) National , b)International funding agencies and grants received :

1) Parikshit Thakur UGC Minor Research Project (Sanctioned Rs. 2,00,000/) dated 18/03/2014

17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR etc. and grants received : Rs.389181 from CPE.

18. Research Centre/facility recognized by University : NIL.

19. Publications per faculty :

.Number of peer reviewed publications: Number of publication listed in International :
NIL.

- National: —_Brahmo Revolution in Maymensingh (now in Bangladesh)’, The Quarterly Review of Historical Studies, Vol. LIV, Nos. 1 &2, April 2014-September,2014.

Monographs: NIL

Chapters in Books:

- Thakur Parikshit (2015) ,*Manobik Vivekananda* (Vivekanada As a Human), in an edited volume entitled *ManobadhikarNanadik* (Human Rights Many Dimensions) Eyasin Khan (ed.) ,Kolkata, Progressive Publishers, ISBN 978-81-8064-205-0, pp 573-586.
- Thakur Parikshit (2015),*Bharot o Europio Union : DipakshikSamporko*’(India and European Union : Bilateral Relations),in a edited Volume on Indian Foreign Policy namely *–BharoterBideshNitiGoti o Prokitill* (Indian Foreign Policy : Issues and Trends) , DrBiswanathChakroborty&DrDebashis Nandi (eds) , Progressive Publishers , Kolkata , ISBN 978-81-89846-69-5 ,pp-
- Thakur Parikshit (2014) *DokshinAsiaia Ganotantro o Dharmoniropekhota :Matra o Probonota* (Secularism and Democracy in South Asia : Issues and Trends).|| in Special volume on South Asia, DebashisMitra and Debashis Nandi(eds), Kolkata : Avenel Press, ISBN : 978-81-923979-7-9. Pp 260-307.
- Thakur , Parikshit , (2013) *Towards a More Decentralized Development Through Women Empowerment : The West Bengal Scenario*, in Special Volume of a UGC sponsored National level seminar on_Development and Decentralization : The West Bengal Experience’, Edited by DebashishMahapatra and Dr.Utpal Utthasini, Published by, MahishaDal Girls College , PurboMidnapur , Printed and distributed by Progressive Publishers , Kolkata , ISBN, pp50-80
- Thakur Parikshit , (2012) *Banglir Sanskritik Monone Naxal Bari: Akti Tathochitrer Itikatha* (–Naxalbari In the Cultural Intellect of Bengali Mind : Autobiography of a Documentary||) In *Monone Srijone Naxalbari* (Naxalbari in the Minds of Intellectuals), edited By Prof.PradipBasu, Kolkata, Setu Publishers, , ISBN:978-93-80677-32-3,pp 217-234.

- Dasgupta , Binindita (2012), Raobindronather Samaj o Rajniti Bhabner Prasongikota in Rabindronath : Amader sanskritik Uttoradhikar, edited by Dr. Anita Saha and Dr. SusantaSamanta, Shreelipi, Kolkata, ISBN : 978-93-81245-11-8.

Book edited: Nil

Book with ISBN number with details of publication:

~~**~~–BrahmoSamajes in India((A recent history(1920-2015)), Northern , Central and Southern India, Vol -2, Kolkata, November,2015.

* SenProsad, Thakur Parikshit *“BrahmoSamajes in India (A recent History(1920-2010), Eastern India, Vol -1,(1st edition) Kolkata, Papyrus, January,2015.*

Citation Index: Nil

SNIP: Nil

SJR: Nil

Impact factor: Nil

H-index: Nil

20. Area of Consultancy and income generated: NIL

21. Faculty members in a) National Committees b) International Committees, c) Editorial Boards: NIL

22. Student Projects :

- Percentage of students who have done in-house projects including interdepartmental /programme

| Ph.D/ M. Phil./ Dissertation (UG/ PG) | Title of the Research Work | Name of the Scholar | University | Status [Completed (Year)/ Ongoing] | Ph.D/ M. Phil./ Dissertation (UG/ PG) | Name of the faculty |
|---|------------------------------------|---------------------|-----------------------|------------------------------------|---|---------------------|
| UG Human Rights General (Academic Year 2014-15) | DokshinAsiaer Manobadhikar Nanadik | Archita Nandi | Vidyasagar University | Completed | UG Human Rights General (Academic Year 2014-15) | Parikshit Thakur |

- Percentage of students placed for projects in Organizations outside the institutions i.e. in Research laboratories /industry/other agencies : Nil

23) Awards /Recognition received by faculty and Students

Faculty : Parikshit Thakur awarded with The Charles Wallace India Trust Short Term Research Grants in 2014 to carry on research in repositories of UK for four weeks.

Students- Miss IshitaSatpati, First class first in BA in 2010 , Miss RinaSamanta , First class first in BA Exam in 2013, Miss LipikaBhattaru, 8th in BA Exam in 2014

Rina Samanta - Ranked 1st in the block - level quiz competition on National Voters' Day 2013.

Riya Atta - Ranked 3rd in the block - level quiz competition on National Voters' Day 2013

Arpita Bose - Ranked 3rd in the block - level quiz competition on National Voters' Day 2013

Arpita Bose - Ranked 2nd in block - level debate competition.

RinaSamanta- Ranked 3rd in the District level quiz competition 2012.

SeuliSantra - Ranked 1st in block level quiz competition 2014.

24. List of eminent academicians and visitors to the departments:

- i. Professor S.L.Dutta Gupta, S.N. Bannerjee Chair Professor, University of Calcutta (former),2012.
- ii. Prof. P. Dutta Centenary Professor of Public Administration, University of Calcutta 2013.
- iii. Professor Debi Chatterjee, Professor of International Relations Jadavpur University2013.
- iv. Goutam Kumer Basu , Professor of International Relations Jadavpur University 2013.
- v. Prof. P.P.Basu Professor of International Relations and Director School of Media, Jadavpur University, Kolkata, 2014.
- vi. Professor ApurbaKumer Mukhopadhyaya, Professor of Political Science,Netaji Institute of Asian Studies,2014.
- vii. Prof. Debashis Chakroborty, Associate Professor (Retd.) in Political Science ,Rammohaan College ,Kolkata,2014
- viii. Dr. DebasisMitra, Assistant Professor, in Political Science, Diamond Harbour Fakir Chand College ,2013.
- ix. Prof. Bimal Shankar Nanda, Department of Political Science, Charuchandra College.2016.

25. Seminars /conferences/workshop organized and the source of funding

a) National: Nil

b) International: Nil

26: Student profile programme/course wise

| Name of the Course/programme (refer question no 4) | Application received | Selected | Enrolled | Pass percentage |
|--|----------------------|----------|----------|-----------------|
| B.A Hons:2015 | 15 | 15 | 13 | 100% |
| B.A Hons. -014 | 14 | 14 | 11 | 90.91% |
| B.A Hons. -2013 | 20 | 20 | 17 | 94% |
| B.A Hons. -2012 | 18 | 18 | 16 | 93.75% |
| B.A Hons. -2011 | 25 | 25 | 20 | 100% |
| | | | | |

27. Diversity of Students

| Name of the course | % students from the same state | % students from other state | % students from abroad |
|--------------------|--------------------------------|-----------------------------|------------------------|
| UG-B.A Honours | 100% | NIL | NIL |

28. How many students have cleared national and state competitive examination such as NET, SET, GATE, Civil service, defense service ,etc. ?

MAT-05 (2014, 2013, 2012)

Others-30

29. Student Progression:

| Student Progression | Against % enrolled |
|----------------------------------|--------------------|
| UG to PG | 64% |
| PG to M.Phil | 2% |
| PG to Ph. D. | NIL |
| Ph.D to Post-Doctoral | NIL |
| Employed | |
| Campus selection | NIL |
| Other Than Campus Recruitment | 38% |
| Entrepreneurship/Self Employment | NIL |

30. Details of Infrastructural facilities:

a) Library: Departmental Seminar Library with approximate 450 books.,

Central Library Books: 1967

b) Internet Facility for staff and students: Yes.Two Computers with Internet

c) Class Room with ICT facility: 1

d) Laboratory: Nil

We also have a CD Galley with approximate 40 CDs.

31. No of Students Receiving Financial Assistance from College, University Government and Other Agencies: 1) Rina Samanta UGC Merit Cum Means scholarship. 2) Other agencies: 2.

3) Govt.-15. 4) College-15.

32. Details of the Student Enrichment Programme (Special lecture /workshop/seminar) with external experts:

Special Lectures

| Name of the Speaker |
|---|
| 1.Prof. S.L.Dutta Gupta, S.N. Bannerjee Chair Professor C.U(Former),2012 |
| 2. Prof. P. Dutta Centenary Professor of Public Administration C.U ,2013. |
| 3. Prof. Debi Chatterjee Professor of International Relations Jadavpur University,2013. |
| 4. Goutam Kumer Basu Professor of International Relations Jadavpur University,2013. |
| 5. P.P.Basu Professor of International Relations and Director School of Media, Jadavpur University,2014. |
| 6. Prof. ApurbaKumerMukhopadhyaya, Professor of Political Science , Netaji Institute of Asian Studies, Kolkata,2014. |
| 7. Prof. DebashisChakroborty Associate Professor (Retd.)in Political Science , Ramamohun College, Kolkata,2014. |
| 8. Dr. DebasisMitra , Assistant Professor, in Political Science , Diamond Harbour Fakir Chand College 2013. |
| Prof. Bimal Shankar Nanda, Associated Prof of Political Science , Charuchandra College, Kolkata,2016. |

33 Teaching Methods adopted to improve student knowledge- Class Lecture and/ with - A-V aids. Video shows utilizing CD Library.

34. Participation in institutional social responsibility and extension activities: Blood Donation Camp, Legal Awareness, NCC, NSS, Tree Plantation Prog. etc

35. SWOC analysis of the department and Future Plan :

| | |
|---------------------|---|
| Strength | Team spirit of the dept., cordial relationship between teacher & students, imparting education to socially & financially backward students. |
| Weakness | Insufficient full-time faculty, non-existence of administrative/ technical staff, no provision of research Centre. |
| Opportunity | ICT class room, Internet facility, orientation of the UG students to increase relatedness to society & enhancing employability skills, extended services to the financially weak students & also to academically poor students by means of individual mentorship & family contacts. |
| Challenge | To go for more student-orientation, to ensure exposure of the students to state & national level, to enhance placement drives in diverse fields |
| Future Plans | <p>We earnestly desire to move our dept. a step further & we are very much optimistic in our approach.</p> <ol style="list-style-type: none"> 1. We wish to organize the state/ national level seminar on issues of global importance. 2. We wish to organize a workshop tracing the various facets & the practicability of the discipline. 3. We wish to introduce job- oriented courses. |
| | |

Evaluative Report of the Department

Philosophy

| | |
|---|---|
| 1.Name of the Department | Philosophy |
| 2.Year of Establishment : | 1957 (Pass Course), 1964 (Honours Course) |
| 3.Name of the Programmes/ Course offered – | U.G.- Honours and General Course. |
| 4.Names of the Interdisciplinary Courses and the departments involved : | NIL |
| 5.Annual/Semester/choice based credit system (Programme Wise) : | Annual |
| 6.Participation of the department in the courses offered by the other departments: | Environmental Study, Human Rights. |
| 7. Courses in Collaboration with other Universities, industries, foreign institutions etc. | NA |
| 8.Details of Courses/Programmes discontinued (if any) with reasons: | NIL |

9. Number of Teaching posts

| Posts | Sanctioned | Filled |
|-----------------|-------------------|-----------------------------|
| Professor | 0 | 0 |
| Associate Prof. | 0 | 01 by promotion through CAS |
| Asst. Prof. | 04 | 02 |

10. Faculty profile with name, qualification, designation, specialization

| Name | Qualification | Designation | Specialization | No of Years of Experience | No of Ph.d. students guided for the last 4 years |
|------------------------|---------------------|---------------------|---------------------|---------------------------|--|
| Gargi Medda | M.A., B.Ed., M.Phil | Associate Professor | Advance Logic | 19 years | - |
| Sanchita Kabi | M.A. | Assistant Prof. | Advance Logic | 15 years | - |
| Sandhya Nandi | M.A., M.Phil | Assistant Prof. | Western Philosophy | 10 years | - |
| Pallabi Misra | Part time Lecturer | M.A. | Vedanta and Applied | 6 years | - |
| Neelanjana Chakraborty | Part time Lecturer | M.A. | Vedanta | 6 years | - |

11. List of Senior Visiting Faculty: NIL

12. Percentage of lectures delivered and practical classes handled by temporary faculty : NIL

13. Student Teacher Ratio UG Level: 12: 01 (Hons.)

14. Number of Academic support staff (technical) and administrative staff; sanctioned and filled: NIL

15. Qualification of the teaching faculty with D.Sc./D.litt/Ph.d/ M.Phil/ PG : M.Phil – 2

P.G. – 3

16. Number of faculty with ongoing projects from a) National ,b) International funding agencies and grants received : Research Project: (Minor) (Funded by UGC)

| Name of Principal Investigator | Topic | Sanctioned amount |
|--------------------------------|--|-------------------|
| Prof. Gargi Medda | A Study on Swami Vivekananda's Universal Religion in the light of his Neo-Vedanta. | Rs. 300,000.00 |

17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR etc. and grants received : Rs. 389181 from CPE.

18. Research Centre/facility recognized by University: Nil

19. Publications per faculty :

GARGI MEDDA

| Sl. No. | Topic | Name of the Magazine | Year |
|---------|--|---|------|
| 1. | Aspiration of Man | Sanhita | 2011 |
| 2. | Place of Man in the process of Evolution | Samsaptak | 2011 |
| 3. | Search for Existence _Nandini‘ | Sanhita | 2012 |
| 4. | Manav-Bramha | Sanhita | 2012 |
| 5. | Advaita concept of Prama in Dharmaraja's Vedanta Paribhasa | Anusilana | 2013 |
| 6. | Acharan Sankranta Dharma Nirapekhyas O Biswajanin Maitik Mulyabodh | Sanhita | 2013 |
| 7. | Rabindranath Thakur Drishthi – Sarthya Othyegi: Jib, Prakriti abng manusaywa | Rabindranath Amader Sanskritik Uttaradhikar | 2013 |
| 8. | Mullaw Ekti Mullyan | Sanhita | 2014 |
| 9. | Swami Vivekananda's Universal Religion | Ananya Vivekananda | 2015 |

Sandhya Nandi

| | Topic | Name of the Magazine | Year |
|----|-------------------------------|----------------------|------|
| 1. | Bhabisyater Ashankya | Sanhita | 2012 |
| 2. | Jogoter Sristir Mool Karan ki | Sanhita | 2013 |
| 3. | Hriday Vantra Bikal Hole | Sanhita | 2014 |

Neelanjana Chakraborty

| | Topic | Name of the Magazine | Year |
|----|--------------------|----------------------|------|
| 1. | Kanna Bhola | Sebabrati | 2011 |
| 2. | Grahner Chand | Pratikriti | 2011 |
| 3. | Dushter Mal | Pratikriti | 2012 |
| 4. | Manur Bani Bandana | Diganta | 2012 |
| 5. | Banshi | Kurchi | 2012 |

| | | | |
|-----|-------------------|---------------|------|
| 6. | Bubuner Chora | Shushathi | 2013 |
| 7. | Shisusram | Wheel | 2013 |
| 8. | Aa-Sama | Sanbaddarpan | 2013 |
| 9. | Mukhosher Aralae | Barendrabhumi | 2014 |
| 10. | Michil | Samannay | 2014 |
| 11. | Abhimani Shamaya | Manjuri | 2015 |
| 12. | Katha Mala | Sanhita | 2015 |
| 13. | Aparadh Prabonata | Sanhita | 2015 |

Pallabi Misra

| | Topic | Name of the Magazine | Year |
|----|---------------------|--|------|
| 1. | Kalo Rajanir Swapno | Sanhita | 2013 |
| 2. | Jibon Darshan | Sanhita | 2014 |
| 3. | Vivekananda | Rabindranath Amader Sanskritik Uttaradhikar | 2015 |

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: Nil

Chapter in Books – 1

Books Edited: Nil

Books with I SBN/ISSN numbers with details of publishers

Citation Index: Nil

SNIP: Nil

SJR: Nil

Impact factor: Nil

h-index

20. Area of Consultancy and income generated: NIL

21. Faculty members in a) National Committees b) International Committees, c) Editorial Boards: NIL

22. Student Projects :

- Percentage of students who have done in-house projects including interdepartmental /programme: NIL
- Percentage of students placed for projects in Organizations outside the institutions i.e. in Research laboratories /industry/other agencies : Nil

23. Awards/Recognition received by faculty and Students: NIL

24. List of eminent academicians and visitors to the departments:

| |
|--|
| Dr. Rajib Kumar Dey, Asstt. Professor, N.R.S. Medical College and Hospital, Kolkata. |
| Dr. Debdulal Dutta Roy, Professor, ISI, Kolkata. |
| Dr. Arijita Panda, Professor, ISI, Kolkata. |
| Dr. Papia Gupta, Associate Professor, V.U. |
| Dr. Jadab Ch. Chattopadhyay, Kolkata Medical College. |
| Dr. Arpita Maity, Midnapore Medical College |
| Dr. Tapan Kr. Dey, V.U. |
| Dr. D.N. Tewari, Professor, Banaras Hindu University |

25. Seminars/conferences/workshop organized and the source of funding

a) National: Nil

b) International: Nil

26: Student profile programme/course wise

| Name of the Course/ programme (refer question no. 4) | Applications received | Selected | Enrolled | | Pass Percentage |
|--|--------------------------|----------|----------|----|-----------------|
| | | | *M | *F | |
| 2012-13 | 180 | 44 | | 40 | 100% |
| 2011-12 | 175 | 40 | | 36 | 94.44% |
| 2010-11 | 130 | 36 | | 35 | 88.57% |
| 2009-10 | 120 | 30 | | 30 | 97.36% |

27. Diversity of Students

| Name of the Course | % of students from the same state | % of students from other states | % of students from abroad |
|-----------------------|--------------------------------------|------------------------------------|------------------------------|
| UG | 100% | NIL | NIL |

28. How many students have cleared national and state competitive examination such as NET, SET, GATE, Civil service, defense service, etc. ?NIL

29. Student Progression:

| Student progression | Against % enrolled |
|----------------------------------|--------------------|
| UG to PG | 30% |
| PG to M.Phil | NIL |
| PG to Ph.D. | NIL |
| Ph.D. to Post-Doctoral | NIL |
| Employed | NIL |
| -Campus selection | 5% |
| -Other than campus recruitment | |
| Entrepreneurship/Self employment | 2% |

30. Details of Infrastructural facilities:

| | |
|----|--|
| a) | Library : i) Central Library– 2500 ii) Seminar Library - 1100 |
| b) | Internet facilities for Staff & Students – Yes |
| c) | Class rooms with ICT facilities – 1 |
| d) | Laboratories – NIL |

We also have a CD Galley with approximate 40 CDs.

31. No of Students Receiving Financial Assistance from College, University Government and Other Agencies: 1st Year : 5 (from college)

2nd Year : 5 (from college)

3rd Year : 5 (from college)

32. Details of the Student Enrichment Programme (Special lecture/workshop/seminar) with external experts:

Special Lectures

| Topic | Year | Speaker |
|------------------------------------|----------|---|
| Prama | 2013 | Dr. D.N. Tewari Professor, Head, B.H.U. |
| Anuman | 2014 | Dr. Papia Gupta Associate Professor, V.U. |
| Women and Applied Ethics | 2014 | Dr. Arpita Maity Associate Professor, Midnapore Medical College |
| Literacy Camp | 2015 | Judge |
| Thalassaimia and its effect | 2015 | Mr. Asim Dhar President, Midnapore Blood Donors Association |
| Seminar : Departmental: | | |
| Topics | Year | Speaker |
| Psychological Counselling | 9.8.2011 | Dr. Arpita Maiti |

| | | |
|--|-----------|---|
| | | Midnapore Medical College, Midnapore |
| Regional Seminar Save the Girl Child | 10.7.2012 | Dr. Sabitendra Patra C.M.O.H., Midnapore Medical College, Dr. Tapan Kr. Dey Vidyasagar University Prof. Prabhat Misra Vidyasagar University |
| Thalassaimia and its Psychological Effect | 7.2.2014 | Dr. Rajib Kr. Dey N.R.S. Medical College & Hospital, Kolkata |
| Rabindrik Psychology | 7.2.2014 | Dr. Debdulal Dutta Roy, Professor, ISI, Kolkata Dr. Arijita Panda, Professor, ISI, Kolkata |
| Women and Applied Psychology | 7.2.2014 | Dr. Jadab Ch. Chattopadhyay, Kolkata Medical College |
| Women Empowerment | 4.3.2014 | Dr. Tapan Kr. De, Associate Prof. Dept. of Philosophy, Vidyasagar University |
| Psychological Counselling | 8.3.2014 | Dr. Arpita Maity Midnapore Medical College Midnapore |
| Women and Applied Psychology | 11.4.2015 | Dr. Arpita Maity Midnapore Medical College, Midnapore |

33. Teaching Methods adopted to improve student knowledge- Audio-Visual Aids

34. Participation in institutional social responsibility and extension activities:

| |
|---|
| Organized a Thalassaimia Detection Camp on 7.2.2014 in collaboration with N.R.S. Medical College Hospital. |
| Organised Tree Plantation Programme on 16.02.2015 with Alumni Association and N.S.S. Units, Raja N.L. Khan Women's College. |
| Organised Blood Donation Camp on 31.03.2015 in collaboration with State Blood Transfusion Council, W.B. |
| Organised a Thalassaimia Camp on 10.09.2015 in collaboration with State Blood Transfusion Council, W.B. |
| Organised Blood Donation Camp on 15.09.2015 in collaboration with State Blood Transfusion Council, W.B. |
| Organised a 'Legal Literacy Camp' on 8.10.2015 with Dept. of Human Rights and N.S.S. Units, Raja N.L. Khan Women's College. |

35. SWOC analysis of the department and Future Plan :

| | |
|---------------------|--|
| Strength | The teachers of the Department participate in academic and personal counseling of the students. The students have a very cordial relationship with the faculty. It strengthens our department |
| Weakness | Student strength is decreasing day by day as we are having here various colleges with honours course in Philosophy. |
| Opportunity | Students can appear in S.S.C., NET, SLET Exam. Students can go for M.A., M.Phil, Ph.D. on this subjects after doing the graduation. |
| Challenge | In future we want to open P.G. Course for our meritorious students. To fill up intake capacity, to orient them to get placed in the right position in the society. |
| Future Plans | In the syllabus of Philosophy there have been introduced some new topics, which are connected with Applied Psychology and one very relevant in our day to day life. We are trying to collect new information about those topics. We are also trying to organize a state level seminar on —Applied Psychology—. We have many meritorious students who are unable to join to the University level due to their financial incapability. If we can open P.G. Course for those with a low admission fee and tuition fee, they can carry on their higher studies smoothly. |

Evaluative Report of the Department

Geography

| | |
|--|---|
| 1. Name of the department | GEOGRAPHY |
| 2. Year of Establishment | 1957 as Economic Geography and Honours course was started from 1962 |
| 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) | Under Graduation both Hons. and Gen. |
| 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. | P.G. course in Geography under Netaji Subhas Open University (since 2008) in Distance Education mode. |
| 8. Details of courses/programmes discontinued (if any) with reasons | N.A. |

9. Number of Teaching posts

| | Sanctioned | Filled |
|-----------------------------|--------------------|--------------------------|
| Professors | Nil | Nil |
| Associate Professors | No Sanctioned post | 01 (under CAS) [on Lien] |
| Asst. Professors | 05 | 02+02 (on Lien) |

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

| Name | Qualification | Designation | Specialization | Teaching Experience | No. of Ph.D. Students guided for the last 4 years |
|--------------------------------|---------------|----------------------|---------------------------------------|---------------------|---|
| Dr. Swapna Ghorai (On Lien) | M.Sc., Ph.D. | Associate Professors | Cartography | 22years | Nil |
| Dr. Animes Roy (On Lien) | M.A., Ph.D. | Asst. Professors | Urban Geography | 07 years | Nil |
| Dr. Pravat Kr. Shit | M.Sc., Ph.D. | Asst. Professors | Coastal Geomorphology | 08 months | Nil |
| Dr. Moumita Moitra Maiti | M.Sc., Ph.D. | Asst. Professors | Advanced Geomorphology | 09 years | Nil |
| Sri Subrata Jana | M.A. | Guest Teacher | Coastal Geomorphology Management | | Nil |
| Sri Nayan Hazra | M.A. | Guest Teacher | Remote Sensing and GIS | 3 Years | Nil |
| Sri Saurav Chakraborty | M.A. | Guest Teacher | Urban Geography and Regional Planning | 3 Years | Nil |
| Sri Pranay Santra | M.A. | Guest Teacher | Urban Geography and Regional Planning | 2 Years | Nil |
| Sri Souvanik Maity | M.Sc. | Guest Teacher | Remote Sensing and GIS | 01 month | Nil |

11. List of senior visiting faculty :

Nil

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

% of total classes are taken by the temporary faculty 56

% of practical classes are taken by the temporary faculty 19

13. Student -Teacher Ratio (programme wise) 1: 28 (Honours)

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

| | Sanctioned | Filled |
|----------------------|------------|--------|
| Technical Staff | 02 | 02 |
| Administrative Staff | Nil | Nil |

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

| P.G. | M.Phil. | Ph.D. |
|------|---------|-------|
| 04 | 01 | 04 |

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

| Year | UGC | DST | BSR | CPE | CPE & BSR | DST & FIST |
|-----------|---------|----------|------------|----------|-----------|------------|
| 2011-2012 | 78800/- | - | - | - | - | - |
| 2012-2013 | - | 285047/- | 293832/- | 333582/- | 42232/- | 111510/- |
| 2014-2015 | - | - | 60642.50/- | - | - | - |
| 2015-2016 | - | - | 521436.5/- | - | - | |

18. Research Centre /facility recognized by the University **N.A.**

19. Publications:

a) Publication per faculty

Number of papers published in peer reviewed journals (national / International) by faculty and students

| Name | Number of papers published in peer reviewed journals |
|----------------------------|--|
| Dr. Swapna Ghorai (OnLien) | National 06 International Nil |
| Dr. Animes Roy (On Lien) | National 03 International 03 |
| Dr. Pravat Kr. Shit | National 04 International 25 |
| Dr. Moumita Moitra Maiti | National 08 International Nil |
| Sri Subrata Jana | National 03 International 02 |
| Sri Nayan Hazra | National Nil International Nil |
| Sri Saurav Chakraborty | National Nil International 02 |

Detail of the publications

Dr. Swapna Ghorai

| Sl. No. | Name of Author | Year of publication | Title of article | Name of journal, volume and no. | ISBN/ISSN No. | Page No. |
|---------|--------------------------------|---------------------|--|---|---------------------------|----------|
| 1 | Swapna Ghorai and Banani Ghosh | 2014 | Early marriage; a curse of society: a case study of Nandakumar Block, Purba Medinipur, West Bengal | Education, Marriage and Bridal Industry | 978-93-81245-34-7 | 97-111 |
| 2 | Swapna Ghorai and Banani | 2014 | Strategies for sustainable livelihood | Development and Sustainable | ISBN (10)-1-4438-63058-X; | |

| | | | | | | |
|---|---------------|------|--|---|------------------------------|---------|
| | Ghosh | | enhancement through forest resource management – A study at Jhargram, West Medinipur, WB. | livelihood, Cambridge Scholar Publishing | ISBN (13); 978-1-4438-6305-6 | |
| 3 | Swapna Ghorai | 2013 | Factors underlying development of women of two villages of Thar desert- a comparative study | Managening developments in developing countries | 978-93-5142-162-7 | 135-143 |
| 4 | Swapna Ghorai | 2013 | An assessment of community development of Jhargram Municipality, Paschim Medinipur District, West Bangal using Remote Sensing and GIS. | Indian Cartographer Vol. 33 | | 139 |

| Sl. No . | Name of Author | Type of author | Year of publication | Title of Book | Name of publisher | ISBN/ISSN No. |
|----------|--|----------------|---------------------|---|-------------------------|--|
| 1 | Swapna Ghorai and Mousam Majumdar | First author | 2014 | Bharat, Paschim Banga- Prakitik o Anchalik Bhugol | Tapati Publisher | 97881922492-6-1 |
| 2 | Swapna Ghorai and Samir Adak | First author | 2013 | Region and Regional Planning | Tapati Publisher | 978-81-922492-6-1 |
| 3 | Swapna Ghorai, Sunirmal Pal and Binay Chanda | First author | 2005 | Bhugol Prabesh | Abhisikth a publication | Syll./T.B./GEO /B/IX- X/05/R00077T dated: 23.03.2005 |

Dr. Animesh Roy

| Sl. No | Author | Title of the Research Paper | Journal | Publisher |
|--------|---------------------------|--|---|--|
| 1 | Animesh Roy (Sole Author) | In pursuit of development: land acquisition and dilution of legal provisions | <i>Journal of Land and Rural Studies</i> , 2.1: (January 2014): 149-171 | SAGE ISSN (Print: 2321-0249; eISSN:2321-7464) |

| | | | | |
|---|------------------------------|---|---|---|
| 2 | Animesh Roy (Sole Author) | Development, land acquisition and the changing facets of rural livelihoods: a case study from West Bengal | <i>Journal of Rural Development</i> , 33.1 (March 2014): 15-32 | NIRD, Ministry of Rural Development ISSN: 0970-3357 |
| 3 | Animesh Roy (Sole Author) | Tourism as an additional source of rural livelihood: an experience from two villages of Rajasthan | <i>Social Change</i> , 43.4 (December 2013): 617-638 | SAGE ISSN (Print: 0049-0857; eISSN: 0976-3538) |
| 4 | Animesh Roy (Sole Author) | Changes in Land Utilisation in West Bengal: District and C.D. Block Level Analysis | <i>Punjab Geographer</i> , (October 2014) | ISPER, Chandigarh ISSN: 0973-3485 |
| 5 | Animesh Roy (Sole Author) | West Bengal since Independence: A Review of Social and Economic Change | <i>ASIAN PROFILE</i> (April, 2015) | Asian Research Service, CANADA ISSN: 0304-8675 |
| 6 | Animesh Roy (Sole Author) | Incorrect Information | <i>Economic and Political Weekly</i> , 48.22 (June 2013): 4 | EPW, Mumbai ISSN: 2349-8846 |

Dr. Pravat Kr. Shit

A. Book Publication: (Two)

1. Pravat Kumar Shit and Ramkrishna Maiti (2012). Rill Gully Erosion in Badland Topography: Field Measurement and Monitoring (A case study of Western Part of West Bengal, India) (ISBN: 978-3-659-27662-0), LAP Lambert Academic Publishing, Germany.
2. Pravat Kumar Shit and Ramkrishna Maiti (2013). Management Techniques of Rill-Gully Erosion in Badland Topography: Experimental Research at Laboratory, Plot and Catchments Scale (ISBN: 978-3-659-32409-3), LAP Lambert Academic Publishing, Germany.

B. List of Papers Published in Journals: (in Peer-reviewed National and international Journals)

| Sl. No. | Author Name | Title / Paper Name | Vol. & No. | Page | Journal | Year | ISSN No. | Impact Factor |
|---------|--|---|------------|-----------|-------------------------|------|-----------|---------------|
| 1 | Pravat Kumar Shit and Ramkrishna Maiti | Plant species selection for controlling rill and gully erosion: an empirical analysis | 29(9) | 1049-1054 | Environment and Ecology | 2011 | 0970-0420 | - |
| 2 | Pravat Kumar | Methodological | 25(2) | 32-37 | Indian | 2011 | 0970- | - |

| | | | | | | | | |
|---|--|---|-------|---------|---|------|-----------|-------|
| | Shit, Ramkrishna Maiti and Chandan Kumar Pati | Framework to Select Grass Species for Controlling Rill and Gully Erosion | | | Science Cruiser | | 4256 | |
| 3 | Gouri Sankar Bhunia, Pravat Kumar Shit, and Soumen Dubari | Assessment of school Infrastructure at primary and upper primary level: A Geospatial Analysis. Journal of Geo. Info. System. | 4(5) | 412-424 | J. of Geographic Info. Sys. | 2012 | 2151-1950 | 0.50 |
| 4 | Gouri Sankar Bhunia, and Pravat Kumar Shit | Appraisal of Teachers' Index in primary and upper primary level: a Geospatial Analysis | 1(6) | 08-15 | J. of Humanities and Social Science | 2012 | 2279-0845 | 1.59 |
| 5 | Pravat Kumar Shit and Chandan Kumar Pati | Non-Timber Forest Products for Livelihood Security of Tribal Communities: A Case Study in Paschim Medinipur District of West Bengal, India. | 40(2) | 149-156 | Journal of Human Ecology | 2012 | 0970-9274 | - |
| 6 | Pravat Kumar Shit, Gouri Sankar Bhunia, and Ramkrishna Maiti | Effect of Vegetation Cover on Sediment Yield: An Empirical Study through Plots Experiment | 2(5) | 32-40 | Journal of Env. Earth Science | 2012 | 2224-3216 | 5.56 |
| 7 | Pravat Kumar Shit and Ramkrishna Maiti | Effect of plant roots on soil anti-scourability of topsoil during concentrated flow | 1(4) | 1-7 | Int. J. of Engineering Research & Tech. | 2012 | 2278-0181 | 1.76 |
| 8 | Pravat Kumar Shit and Ramkrishna Maiti | Mechanism of Gully head Retreat - A study at Ganganir Danga, Paschim Medinipur, West Bengal | 5(4) | 332-342 | Ethiopian J of Env. Studies and Magt | 2012 | 1998-0507 | - |
| 9 | Pravat Kumar Shit and Ramkrishna Maiti | Effects of plant root density on the erodibility of lateritic topsoil by | 2(3) | 137-142 | Int. J. of Forest, Soil and Erosion | 2012 | 2251-6387 | 0.765 |

| | | | | | | | | |
|----|--|--|-------|-----------|---|------|-----------|------|
| | | simulated flume experiment | | | | | | |
| 10 | Pravat Kumar Shit, and Ramkrishna Maiti | Rill Hydraulics - An experimental study on gully basin in lateritic upland of Paschim Medinipur, West Bengal | 4(4) | 1-11 | Journal of Geograph y and Geology | 2012 | 1916-9779 | - |
| 11 | Manojit Mondal, Gouri Sankar Bhunia and Pravat Kumar Shit | Vulnerability Analysis of Embankment Breaching - A Case Study of Moyna Drainage Basin in Purba Medinipur, West Bengal (India). | 2(3) | 89-102 | Int J. of Geology, Earth and Env. Sci | 2012 | 2277-2081 | 5.16 |
| 12 | Pravat Kumar Shit, Gouri Sankar Bhunia, and Ramkrishna Maiti | Developments of Rill Networks: An Experimental plot scale study. | 5(1) | 133-141 | Journal of Water Resource and Protection | 2013 | 1945-3094 | 0.70 |
| 13 | Pravat Kumar Shit, Gouri Sankar Bhunia, and Ramkrishna Maiti | Assessment of factors affecting ephemeral gully development in badland topography: A case study at Garbha badland | 4(2) | 461-470. | Int. J. of Geoscience | 2013 | 2156-8359 | 0.58 |
| 14 | Pravat Kumar Shit and Ramkrishna Maiti | Confluence Dynamics in an Ephemeral Gully Basin (A case Study Rangamati, Paschim Medinipur, West Bengal, India) | 5(15) | 3895-3911 | Res.J. of Applied Sciences, Eng and Tech, | 2013 | 2040-7467 | - |
| 15 | Pravat Kumar Shit, Gouri Sankar Bhunia, and Ramkrishna Maiti | Assessing the performance of check dams to control rill-gully erosion: Small catchment scale study | 5(4) | 899-906 | Int J. of Current Research | 2013 | 0975-833X | - |
| 16 | Gouri Sankar Bhunia, and Pravat Kumar Shit | Identification of temporal dynamics of vegetation coverage using | 5(3) | 652-658 | Int J. of Current Research | 2013 | 0975-833X | - |

| | | | | | | | | |
|----|---|---|-------|---------|--|------|-----------|-------|
| | | Remote Sensing and GIS | | | | | | |
| 17 | Gouri Sankar Bhunia, and Pravat Kumar Shit | Usefulness of geospatial technology to appraise the agriculture potential zone of Nawada district, Bihar (India) | 3(2) | 118-128 | Int.J. of Food, Agriculture and Veterinary Science | 2013 | 2277-209X | 5.38 |
| 18 | Sumita Gayen, Gouri Sankar Bhunia, Pravat Kumar Shit | Morphometric Analysis of Kangshabati-Darkeswar Interfluvies Area in West Bengal, India using ASTER DEM and GIS Techniques | 2(4) | 1-10 | Geology & Geosciences | 2013 | 2329-6755 | 1.24 |
| 19 | Pravat Kumar Shit, Gouri Sankar Bhunia, and Ramkrishna Maiti | Vegetation Influence on Runoff and Sediment Yield in the Lateritic Region: An Experimental Study | 4(1) | 1-9 | Geography & Natural Disasters | 2014 | 2167-0587 | 0.714 |
| 20 | Pravat Kumar Shit, Gouri Sankar Bhunia, and Ramkrishna Maiti | Morphology and Development of selected Badlands in South Bengal (India) | 13 | 161-171 | Indian J. of Geo and Environment | 2014 | 0972-7388 | - |
| 21 | Pravat Kumar Shit, and Ramkrishna Maiti | Gully Erosion Control: Lateritic Soil Region of West Bengal | 28(3) | 54-61 | Indian Science Cruiser | 2014 | 0970-4256 | - |
| 22 | Pravat Kumar Shit, Rumpa Paira, Gouri Sankar Bhunia, and Ramkrishna Maiti | Modeling of potential gully erosion hazard using geo-spatial technology at Garbheta block, West Bengal in India | 1(2) | 1-16 | Model. Earth Syst. Environ | 2015 | 2363-6203 | - |
| 23 | Pravat Kumar Shit, Arup Sankar Nandi and Gouri Sankar | Soil erosion risk mapping using RUSLE model on jhargram sub-division at West | 1(3) | 1-12 | Model. Earth Syst. Environ | 2015 | 2363-6203 | - |

| | | | | | | | | |
|----|---|---|-------|-------------------------------|---|------|-----------|---|
| | Bhunia | Bengal in India | | | | | | |
| 24 | Pravat Kumar Shit, Gouri Sankar Bhunia, and Ramkrishna Maiti | Soil crack morphology analysis using image processing techniques | 1(4) | - | Model. Earth Syst. Environ DOI: 10.1007/s40808-015-0036-z | 2015 | 2363-6203 | - |
| 25 | Pravat Kumar Shit, Gouri Sankar Bhunia, and Ramkrishna Maiti | Farmers' perceptions of soil erosion and management strategies in South Bengal in India | 6(2) | 85-100 | European Journal of Geography | 2015 | 1792-1341 | - |
| 26 | Pravat Kumar Shit, Gouri Sankar Bhunia, and Ramkrishna Maiti | An experimental investigation of rill erosion processes in lateritic upland region: A pilot study | 5(2) | - | Eurasian J. Soil Sci | 2016 | 2147-4249 | - |
| 27 | Gouri Sankar Bhunia, Pravat Kumar Shit, and Ramkrishna Maiti | Spatial variability of soil organic carbon under different land use using radial basis function (RBF) | 2(17) | 1-8 | Model. Earth Syst. Environ. | 2016 | 2363-6203 | - |
| 28 | D. K. Verma, Gouri Sankar Bhunia, Pravat Kumar Shit, S. Kumar, Jajati Mandal, Rajeev Padbhushan | Spatial variability of groundwater quality of Sabour block, Bhagalpur district (Bihar, India) | | DOI 10.1007/s13201-016-0380-9 | Appl Water Sci. | 2016 | 2190-5495 | - |
| 29 | Pravat Kumar Shit, Gouri Sankar Bhunia, and Ramkrishna Maiti | Potential landslide susceptibility mapping using weighted overlay model (WOM) | 2(21) | 1-10 | Model. Earth Syst. Environ. | 2016 | 2363-6203 | - |

Dr. Moumita Moitra Maiti**A) Published Papers in Journals**

| Sl. No . | Date of Publication | Title | Name of CoAuthor, if any | Name of Journal | Volume and Pages | ISSN/ ISBN |
|----------|--------------------------|--|-----------------------------------|--|---------------------------|--------------------|
| 1 | Mar-Apr. 2011, | Estimation of Surface Runoff to Analyse Slope Instability in Shiva-Khola Watershed, Darjiling Himalaya, | Sujit Mondal, Ramkrishna Maiti | Indian Journal of Power and River Valley Development, | Vol. 61. pp 25-34. | (ISSN 0019-5537). |
| 2 | July-December 2011, | Social Consequences of Water Scarcity in Darjeeling, West Bengal | Nil | Asian Studies , Netaji Institute for Asian Studies, | Vol. XXIX, No. 2, pp 9-23 | (ISSN 0970-7301). |
| 3 | Jan& April, 2011 | A Critical Analysis of Feasibility of Roof Top Water Harvesting at Primol Village, Darjiling, West Bengal. | Ramkrishna Maiti | Journal of Applied Hydrology, Association of Hydrologists of India, | Vol. XXIV, No 1&2, pp.1-8 | (ISSN 0971-670X). |
| 4 | Dec, 2011. | Calculating Rational Reservoir Size for Roof-Top Water Harvesting – A Study on Primol Village, Darjiling, West Bengal.. | Nil | Geographical Review, Geographical Society of India | Vol. 73, No 4.pp. 339-350 | (ISSN 0375-6386). |
| 5 | January 2012 | Water Budget in Sub-Watershed Scale – a case study on representative basin in Shilabati – Kansabati Interfluve, | Animesh Maji, Susanta Ash | Indian Science Cruiser, | Vol. 26, No. 1, pp 20-27. | (ISSN 09704256). |
| 6 | March 2012 | Water shortage-induced economic crisis – An analysis on Darjiling town, , | Nil | Journal of Geo-Environment Observer – A Bi-annual Refereed Multi disciplinary Journal, | Vol. 1, No. 1 | (ISSN 2277-6141). |
| 7. | January – February, 2014 | Climate change and challenges in managing water resource – a catchment scale study in Bankura district, West Bengal, India | Susanta Ash, Prasenjit Bhunia | Indian Science Cruiser, | Vol.64, Nos. 1-2 pp 17-26 | (ISSN 09704256). |
| 8 | September, 2014 | Assessing the causes for water scarcity in Darjiling Town | Nil | Explorations | Vol. 1, Nos.1 pp 36-48 | ISSN: 2349-9672 |

➤ In Edited Book

1. Understanding Hazards and Its Social Dimensions, 2012, In Moitra Maiti, M. (Ed) Social Dimension of Hazard Management, Kolkata, abc Publications.pp. 3-10.
2. Nadi Ababahikay Pranali Bisleshaner Nirikhe Duryoger Paryalochana (In Bengali), Bhugolik Biparyay O Unnankami Manus, Chatterjee,S. (Ed), Science Vision, Kolkata, pp 35-43.(Rgn. No. WBBEN/2007/21524).
3. Water Scarcity and Conservations (In Bengali), Spandan, Hijli CollegeMagazine, 2011-2012, pp-59-61.
4. A Critical Analysis of Feasibility of Roof –Top Water Harvesting at Primol Village,2008, 95th Indian Science Congress, Earth System Sciences , Abstract Volume,p.44.
5. Prioritization of Sub-Watersheds using Remote Sensing and GIS for surface water harvesting- A Step towards Rational Management of Water Crisis of Darjiling Town,W.B.,2009, 96th Indian Science Congress, Earth System Sciences , Abstract Volume,p.14.
6. Tourism Hindered by Water Scarcity- A Case Study at Darjiling, West Bengal. Accepted for publication in the Proceedings of International Seminar on Poverty and Development in South Asia, Organised by Dept. of Geography, University of Calcutta (11-13th January, 2007)(In Press).
7. Nari Adhikar O Suraksha- Ekti Sankshipta Alochan, (In Bengali), Spandan, Hijli CollegeMagazine, 2012-2013, pp-39-41.
8. Bharatbarshe Asangathito Khetre Mohila Sramiker Abasthan (In Bengali), Spandan, Hijli CollegeMagazine, 2013-2014, pp-41 - 42.

Books Published

| Sl. No | Date of Publication | Title | Name of Co-Authors, if any | Type of Book and Authorship | Volume and Pages | ISSN / ISBN |
|--------|---------------------|---|----------------------------|---|------------------|--------------------|
| 1 | 2012 | _Social Dimension of Hazard management' (Edited by Moumita Moitra Maiti), | Nil | Edited Book, acb publication, Kolkata | 296 | ISBN 81-87500-71-9 |
| 2. | 2013 | Bhugol Chinta O Darsan (In Bengali) - | Dr. Ramkrishna Maiti | A Text book for UG & PG Students Nabodaya Prakashani, Kolkata | 376 | R.K. Maiti |

Sri Subrata Jana

| SL. NO. | AUTHOR | PAPER TITLE | JOURNAL NAME |
|---------|---------------------------------|--|---|
| 1 | Subrata Jana | Riverine geomorphology, sedimentology and sub-surface water potentiality- a case study along the section of Dwarkeswar River, Onda, Bankura, West Bengal | International Journal of Geology, Earth & Environmental Sciences, 2013 Vol.3, No. 3, pp. 30-39, ISSN: 2277-2081 |
| 2 | Subrata Jana and Ashis Kr. Paul | Morphodynamics of the meandering river: a study along the subarnarekha river of Gopiballavpur section, West Bengal, India | International Journal of Geology, Earth & Environmental Sciences, 2014 Vol.4, No. 3, pp. 219-230, ISSN: 2277-2081 |

- International

| SL. NO. | AUTHOR | PAPER TITLE | JOURNAL NAME |
|---------|--|---|---|
| 1 | Susanta Kumar Chakraborty, Ashis Kr. Paul, Jatisankar Bandyopadhyay, Debdulal Banerjee, Hirulal Pakhira, Subhasri Middya, Subrata Jana, Prasenjit Sahoo, Kishalay Paria, Kartic Bera | SUSTAINABLE WATER MANAGEMENT IN THE DROUGHT PRONE RIVERINE TRACTS OF SOUTH WESTBENGAL | Indian Groundwater, Vol. 1, July, 2013 (The Journal of Centre for Ground Water Studies), pp. 11-34. |
| 2 | Subrata Jana, Ashis Kr. Paul and Sk Majharul Islam | Morphodynamics of Barrier Spits and Tidal Inlets of Subarnarekha Delta: a study at Talsari-Subarnapur spit, Odisha, India | Indian Journal of Geography and Environment, 2014 Vol. 13, pp. 23-32, ISSN: 0972-7388 |
| 3 | Sk Majharul Islam, Amrit Kamila, Subrata Jana and Dr. Ashis Kr. Paul | Estimation of Land Surface Temperature of Chilika Lagoon Watershed and its Dependence on Terrain Properties | Indian Journal of Geography and Environment, 2014 Vol. 13, pp. 78-98, ISSN: 0972-7388. |

- National

Paper Published in Edited Volume

- National

| SL. NO. | AUTHOR | PAPER TITLE | JOURNAL NAME |
|---------|--------------|---|---|
| 1 | Subrata Jana | Micro-level Assessment of 'Aila' Hazard of Sagar Island - a study on two villages Dublat and Beguakhali | Social Dimensions on Hazard Management, Moumita Moitra Maiti (ed.), ACB Publications, Kolkata. 2012 pp. 49-64, ISBN No. 81-87500-71-9 |

Book Chapter Published in Edited Book

• International

| SL. NO. | AUTHOR | PAPER TITLE | JOURNAL NAME |
|---------|--|--|--|
| 1 | Ashis Kr. Paul, Sk. Majharul Islam, and Subrata Jana | An Assessment of Physiographic Habitats, Geomorphology and Evolution of Chilika Lagoon (Odisha, India) Using Geospatial Technology | C.W. Finkl and C. Makowski (eds.), Remote Sensing and Modeling: Advances in Coastal and Marine Resources, Coastal Research Library 9, DOI 10.1007/978-3-319-06326-3_6, © Springer International Publishing Switzerland 2014, pp. 135-160, ISBN: 978-3-319-06325-6 (Print) 978-3-319-06326-3 (Online) |

Sri Sourav Chakraborty

- Chakraborty, Saurav, Soumendu Chatterjee, Kakoli Das, and Utpal Roy. "Changing Pattern of Urbanization in West Bengal: An Analysis of 2011 Census of India Data." *Asian Journal of Research in Social Sciences and Humanities* 5, no. 5 (2015): 169-181.
- Chakraborty, Saurav, Kakoli Das, and Utpal Roy. "Concentrated or Dispersed Urbanization: A Critical Analysis of Newly Emerged Census Towns of West Bengal, India in 2011." *Journal of Geography and Regional Planning*. 8 (9), 2015: 218 – 227.

* 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.) **34**

* Monographs **Nil**

* Chapter in Books

| Name | Number of papers published in peer reviewed journals |
|------------------|--|
| Sri Subrata Jana | National Nil International 01 |

* Books Edited

| Name | Number of papers published in peer reviewed journals |
|--------------------------|--|
| Dr. Moumita Moitra Maiti | National 01 International Nil |

Books with ISBN/ISSN numbers with details of publishers

| Sl. No. | Name of Author | Type of author | Year of publication | Title of Book | Name of publisher | ISBN/ISSN No. |
|---------|--|----------------|---------------------|---|--------------------------|---|
| 1 | Swapna Ghorai and Mousam Majumdar | First author | 2014 | Bharat, Paschim Banga-Praktik o Anchalik Bhugol | Tapati Publisher | 97881922492-6-1 |
| 2 | Swapna Ghorai and Samir Adak | First author | 2013 | Region and Regional Planning | Tapati Publisher | 978-81-922492-6-1 |
| 3 | Swapna Ghorai, Sunirmal Pal and Binay Chanda | First author | 2005 | Bhugol Prabesh | Abhisikth a publicatio n | Syll./T.B./GEO /B/IX-X/05/R00077T dated: 23.03.2005 |

| Name | Books |
|---------------------|---|
| Dr. Pravat Kr. Shit | <ol style="list-style-type: none"> 1. Rill Gully Erosion in Badland Topography: Field Measurement and Monitoring (A case study of Western Part of West Bengal, India) along with Dr. R. K. Maiti (ISBN: 978-3-659-27662-0), <i>LAP Lambert Academic Publishing, Germany</i>. 2. Management Techniques of Rill-Gully Erosion in Badland Topography: Experimental Research at Laboratory, Plot and Catchments Scale, along with Dr. R. K. Maiti (ISBN: 978-3-659-32409-3), <i>LAP Lambert Academic Publishing, Germany</i>. |

* Citation Index

| Name | Citation Index |
|---------------------|----------------|
| Dr. Pravat Kr. Shit | 46 |

SNIP:

SJR:

Impact factor:

h-index:

| Name | Citation Index |
|---------------------|----------------|
| Dr. Pravat Kr. Shit | 46 |

20. Areas of consultancy and income generated **Nil**

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards

| Name | Editorial Boards |
|---------------------|--|
| Dr. Pravat Kr. Shit | 1. International Journal of Geography and Geology (Online ISSN: 2305-7041, Print ISSN: 2306-9872) 2. Asian Review of Environmental and Earth Sciences (ISSN: 2313-8173) |

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme **Nil**

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies **Nil**

23. Awards / Recognitions received by faculty and students **Nil**

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

| Date | Topic of the Lecture | Resource person |
|------------|--|---|
| 24.11.2015 | Globalising India: Issues and Challenges | Dr. Subhanil Chowdhury Assistant Professor Institute of Development Study Kolkata (IDSK). |

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

a) National **Nil**

b) International **Nil**

26. Student profile programme/course wise: 2015-2016

| Name of the Course/ programme (refer question no. 4) | Applications received | Selected | Enrolled | | Pass percentage |
|--|--------------------------|----------|----------|----|-----------------|
| | | | * M | *F | |
| B.A./ B.Sc. Geography Hons. course, 2009-2010 | 1062 | 55 | Nil | 55 | 93.18% |
| B.A./ B.Sc. Geography Hons. course, 2010-11 | 1092 | 55 | Nil | 55 | 98% |
| B.A./ B.Sc. Geography Hons. course, 2011-2012 | 1100 | 55 | Nil | 55 | 98.24% |
| B.A./ B.Sc. Geography Hons. course, 2012-2013 | 1070 | 55 | Nil | 55 | 100% |

*M = Male *F = Female

27. Diversity of Students

| Name of the Course | % of students from the same state | % of students from other States | % of students from abroad |
|-----------------------|--------------------------------------|------------------------------------|------------------------------|
| Part I (Hons.) | 95% | 5 % | Nil |
| Part II (Hons.) | 97% | 3 % | Nil |
| Part III (Hons.) | 100% | Nil | Nil |

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 | 80% |
| PG to M.Phil. | N.A. |
| PG to Ph.D. | N.A. |
| Ph.D. to Post-Doctoral | N.A. |
| Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment | 60% (other than campus recruitment) |
| Entrepreneurship/Self-employment | N.A. |

30. Details of Infrastructural facilities

a) Library: **The dept. is maintaining a Seminar Library with the following categories of books:**

| Reference Book at U.G. level | Reference Book at P.G. level (NSOU) | Total No. of Books |
|------------------------------|-------------------------------------|--------------------|
| 135 | 176 | 311 |

b) Internet facilities for Staff & Students: **The department provides the internet facility for Staff and Students.**

c) Class rooms with ICT facility: **The department has one class room with ICT facility.**

d) Laboratories: **The department has four laboratories with total accommodation of 200 students**

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

| | No. of Student received financial assistance from College | No. of Student received financial assistance from Government | No. of Student received financial assistance from other agencies |
|-------------------------|---|--|--|
| Part I (Hons.) | - | 19 | - |
| Part II (Hons.) | 14 | 12 | 03 |
| Part III (Hons.) | 03 | 10 | - |

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

| Date | Topic of the Lecture | Resource person |
|-------------------|--|---|
| 24.11.2015 | Globalising India: Issues and Challenges | Dr. Subhanil Chowdhury Assistant Professor Institute of Development Study Kolkata (IDSK). |

33. Teaching methods adopted to improve student learning
- i) LCD Projector for PPT Presentation**
 - ii) Black board /white board**
 - iii) Group Discussion**
 - iv) E-education (internet browsing /learning)**
34. Participation in Institutional Social Responsibility (ISR) and Extension activities NSS volunteers –Students participate through NSS and NCC activities.

35. SWOC analysis of the department and Future plans

| | |
|---------------------|---|
| Strength: | <p>The department is about 59 years old and was established before the establishment of Vidyasagar University. The Hons. Course has been started from the year 1962. So it has a long legacy with good reputation.</p> <p>The department has good infrastructural facilities to cater the need of laboratories, instruments and maps.</p> <p>Due to strong reputation, the department enjoys best quality students input.</p> <p>The departmental teachers and technical staff take care in all round development of students though involvement in sports, culture, outreach activities and field based studies.</p> |
| Weakness: | <p>Lack of faculty strength and huge enrolment of students lower the Teacher-Student ratio in the department.</p> <p>Lack of space is another setback of the department.</p> |
| Opportunity: | <p>There is good scope of performing better in the context of better student input, hardworking and efficient teachers and healthy teacher-student relation and sufficient infrastructure.</p> |
| Challenge: | <p>Maintaining the reputation and all-round development of students, catering academic needs of each student are challenges to the department having limited faculty and huge students' enrolment.</p> |
| Future Plan: | <p>The department intends to open PG Course in Geography.</p> <p>The department has an aim to set up a separate Computer Lab to facilitate the students in the preparation of their dissertations and other practical works.</p> <p>To provide more internet facility to the students.</p> <p>To initiate a short term software course with the collaboration of external institution for better mapping and data analysis.</p> <p>To conduct a National Seminar at the department.</p> |

Evaluative Report of the Department

Economics

| | |
|--|------------------|
| 1.Name of the department- | Economics |
| 2.Year of Establishment- | Hon(s)-2001 |
| 3.Names of Programmes/Courses offered(UG,PG,M.Phil.,Ph.D.,Integrated Masters;IntegratedPh.D.,etc.)- | UG-Honours |
| 4.Names of Interdisciplinary courses and the departments/units involved- | NIL |
| 5.Annual/semester/choice based creditsystem(programmewise)- Annual/ choice based | 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(ifany)with reasons- | NIL |

9. Number of Teaching posts

| | Sanctioned | Filled |
|----------------------|-------------------|---------------|
| Professors | Nil | Nil |
| Associate Professors | Nil | Nil |
| Asst. Professors | 2 | 1 |

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

| Name | Qualification | Designation | Specialization | No.of Years of Experience | No.of Ph.D. Students Guided for the last 4 year |
|--------------------|---------------|---------------------|-----------------------------|---------------------------|---|
| Dr. Sujata Bera | PhD | Assistant Professor | Statistics and Econometrics | 17 | NIL |
| Sanjoy Pattanayak | M.Sc. | PTT | Statistics and Econometrics | 10 | NIL |
| Juthika Bhuina | M.Sc. | PTT | Statistics and Econometrics | 10 | NIL |
| Bhavanishankar Das | M.Sc. | Guest faculty | Statistics and Econometrics | 01 | NIL |
| Soma Pal | M.Sc. | Guest faculty | Statistics and Econometrics | 01 | NIL |

11. List of senior visiting faculty- NIL
12. Percentage of lectures delivered and practical classes handled (programmewise) By temporary faculty- 33%
13. Student-Teacher Ratio (programmewise)- Honours: 33:5
14. Number of academic support staff (technical) and administrative staff sanctioned and filled- NIL
15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.- PhD-1, PG-4
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- Rs. 389181 from CPE.
18. Research Centre/facility recognized by the University- NIL
19. Publications:
 - a) Publication per faculty- 10:5

* Number of papers published in peer /reviewed/ journals/ (national/ International) by faculty and students- 10

- Bhaumik, S. K., and S. Bera (2015). _Impact of Micro-credit Programme on Women's Empowerment: An Evaluation Using Propensity Score Matching Method', *Journal of Land and Rural Studies*, Voi. 3, No. 2, 2015 (Forthcoming).
- Bera, S., and S. K. Bhaumik (2013). _Factors determining the women's participation in the micro-credit programme: A study with reference to West Bengal, *Journal of Social and Economic Studies*. Vol. XXIII, No. 1, pp.88-101.
- Bera, S., (2013). _Microcredit and Women's participation', *Advances in Management*, Vol. 6(12), pp.9-16.
- Bera, S., and S. K. Bhaumik (2015). _The SHG Movement and Women's Status in India' in S N Tripathy (ed.), _*Dynamics of Self-Help Groups, Micro-finance and Financial Inclusion*', Chapter 9, Abhijeet Publications, Delhi, 2015.

□ Das, Bhabasankar. (2014). Characteristics and Productivity of Micro Manufacturing Enterprises in West Bengal: An Analysis. *The Indian Economic Journal*, Special Issue, December. ISSN: 0019-4662, Page-page 307-320.

□ Das, Bhabasankar. (2015). Productivity, Profitability and Status of Growth of Micro Manufacturing Enterprises in West Bengal: An Empirical Analysis. *International Journal of Science and Research (IJSR)*, Vol. 4, Issue 5, May, ISSN: 2319-7064. Page-page 3133-3143.

□ Das, Bhabasankar. Das, Pinaki. (2014). Characteristics and Status of Growth of Informal Micro Manufacturing Enterprises in West Bengal: An Empirical Analysis. *ArthaBeekshan*, Vol.23, No.3, December, ISSN: 0972-1185, Page-page 133-137.

* 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: Nil

* ChapterinBooks-1

* Books Edited: Nil

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

* Citation Index: Nil

* SNIP: Nil

* SJR: Nil

* Impact factor: Nil

* h-index: Nil

20. Areas of consultancy and income generated- NIL

21. Faculty as members in-

a) National committees b) International Committees c) Editorial Boards : NIL

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme- 15 %

b) Percentage of students placed for projects in organizations outside the institution i.e.inResearchlaboratories/Industry/ otheragencies – Total students-2

23. Awards /Recognitions received by faculty and students- Nil

| | Award | Year |
|----------|--------------------|---------|
| Students | First class second | 2014-15 |

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

(1): Prof. Purnendu Sekher Das, Ex- Faculty, IIT, Kharagpur.

(2). Prof. S N Sahoo, Ex- Faculty, Vidya-Sagar University.

(3). Prof. Buddhadev Ghosh, ISI, Calcutta

(4). Prof. Dibyendu Maity, Delhi School of Economics.

25. Seminars/Conferences/Workshops organized&the source of funding a) National- NIL

b) International- NIL

26. Student profile programme/course wise:

| Name of the Course/programme (refer question no. 4) | Applications received | Selected | Enrolled | | Pass percentage |
|---|-----------------------|----------|----------|----|--------------------------------|
| | | | *M | *F | |
| UG Honours- 2014-15 | 36 | 36 | - | 18 | Not appeared in final exam yet |
| UG Honours 2013-14 | 25 | 25 | - | 9 | Not appeared in final exam yet |
| UG Honours 2012-13 | 30 | 30 | - | 10 | Not appeared in final exam yet |
| UG Honours 2011-12 | 9 | 9 | - | 5 | 100 |
| UG Honours 2010-11 | 12 | 12 | - | 5 | 100 |

*M=Male *F=Female

27. Diversity of Students

| Name of the Course | %of students from the same state | % of students from other States | %of students from abroad |
|--------------------|----------------------------------|---------------------------------|--------------------------|
| UG | 91 | 9 | - |

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services,etc.?

29. Student progression

| Student progression | Against % enrolled |
|--|--------------------|
| UGtoPG | 100% |
| PGtoM.Phil. | - |
| PGtoPh.D. | 5% |
| Ph.D.toPost-Doctoral | |
| Employed •Campus selection •Other than campus recruitment | 0% 60% |
| Entrepreneurship/Self-employment | NIL |

30. Details of Infrastructural facilities a)
Library- Departmental library and Central Library
b) Internet facilities for Staff & Students- yes

c) Class rooms with ICT facility -1

d) Laboratories- 1

31. Number of students receiving financial assistance from college, university, Government or other agencies - 7

32. Details on student enrichment programmes (special lectures /workshops/seminar) with external experts: Special Lecture-4

33. Teaching methods adopted to improve student learning- class lectures with PPT presentations, student seminar etc.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities- participation in Swachha Bharat Abhijan, Plantation, Blood Donation, legal awareness programme.

35. SWOC analysis of the department and Future plans

| | |
|---------------------|---|
| Strength: | Disciplined and sincere students. |
| Weakness: | Less student strength, insufficient full-time faculty, vacant post for full-time faculty. |
| Opportunity: | Equipped computer lab, ICT class room, good collaboration with the faculty of other institutions. . |
| Challenge: | To fill up full intake capacity, to orient them to get placed in the right position in the society. |
| Future Plan: | 1)-To open up some interdisciplinary courses like business management etc. (2) To introduce student exchange programme with other institutions. (3) To strengthen the activities of BANDHAN (an association of existing and ex students of the department). |
| | |

Evaluative Report of the Department of Human Rights

Human Rights

| | |
|---|---|
| 1. Name of the department: | Human Rights |
| 2. Year of Establishment: | 2011 |
| 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)- | UG (B.A General) |
| 4. Names of Interdisciplinary courses and the departments/units involved: | B.A General – Departments of Political Science, Philosophy and History. |
| 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: | Nil |

9. Number of Teaching posts

| | Sanctioned | Filled |
|----------------------|-------------------|---------------|
| Professors | NIL | NIL |
| Associate Professors | NIL | NIL |
| Asst. Professors | NIL | NIL |

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

| Name | Qualification | Designation | Specialization | No. of Years of Experience | No. of Ph.D. Students guided for the last 4 years |
|-----------------------|---------------|-------------------|----------------------------|----------------------------|---|
| Dr. Rina Pal | MA.Ph.D | Associate prof. | Modern India | 33 | NA |
| Dr. Parul Chattejee | MA.Ph.D | DO | DO | 25 | NA |
| Mita Biswas | MA. | Assistant Prof. | Ancient India | 9 | NA |
| Shyamapada Shit | MA. | Assistant Prof. | Ancient India | 9 | NA |
| Anjali Pramanik | MA | Associate Prof | International Law and Org. | 26 | NA |
| Parikshit Thakur | MA | Assistant Prof. | South and South East Asia | 5 | NA |
| Binindita Dasgupta | MA | Part time Teacher | Political Sociology | 18 | NA |
| Gopa Das | MA | Part time Teacher | Political Sociology | 15 | NA |
| Gargi Meddya | MA | Associate Prof | Advanced logic | 19 | NA |
| Sanchita Kabi | MA | Assistant Prof. | Advanced logic | 13 | NA |
| Nilanjana Chakraborty | MA | Part time Teacher | Vedanta | 4 | NA |
| | | | | | |

11. List of senior visiting faculty:-

1. Dr. Anil jana, Prof. of Vidyasagar University.
2. C. Alam Gupta, Senior Advocate of High Court.
3. Sri Shyamalendu Maity, Advocate in Midnapore Judges Court.
4. Sri Rajesh Banerjee, Advocate in High Court.
5. Sri Rajnath Mishra, Public Prosecutor, Midnapore Judges Court.

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 20%

13. Student -Teacher Ratio (programme wise) 10:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.: PG: 8, M.Phil-01, PhD-02

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: 03

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: UGC funding of Rs. 4,80,000.

18. Research Centre /facility recognized by the University NA

19. Publications: Refer in the Departmental Profile.

- * a) Publication per faculty

- * Number of papers published in peer reviewed journals (national / international) by faculty and students

- * 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.) : NA

- * Monographs

- * Chapter in Books: Refer in the Departmental Profile.

- * Books Edited

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

- * Citation Index

- * SNIP

- * SJR

- * Impact factor

- * h-index

20. Areas of consultancy and income generated: NIL

21. Faculty as members in

- a) National Committees: N.A

- b) International Committees: N.A

- c) Editorial Boards: N.A

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme-100%
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies

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

24. List of eminent academicians and scientists / visitors to the department- Refer in Serial Number 11.

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

a) National:NIL

b) International: NIL

Organised seminar and competitions (poster, debate) on the Human Rights Day every year since 2012.

26. Student profile programme/course wise:

| Name of the Course/programme (refer question no. 4) | Applications received | Selected | Enrolled | | Pass percentage |
|---|-----------------------|----------|----------|----|-----------------|
| | | | *M | *F | |
| UG In Human Rights | 60 | 60 | | 60 | 100% |
| | | | | | |

*M = Male *F = Female

27. Diversity of Students

| Name of the Course | % of students from the same state | % of students from other States | % of students from abroad |
|--------------------|-----------------------------------|---------------------------------|---------------------------|
| UG In Human Rights | 100 | 0 | 0 |

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? N.A as the first batch has just passed out.

29. Student progression

| Student progression | Against % enrolled |
|---|--------------------|
| UG to PG | 50-60% |
| PG to M.Phil. | NA |
| PG to Ph.D. | NA |
| Ph.D. to Post-Doctoral | NA |
| Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment | NA |
| Entrepreneurship/Self-employment | NA |

30. Details of Infrastructural facilities

- a) Library: 205 books
- b) Internet facilities for Staff & Students: yes, Wi-Fi available.
- c) Class rooms with ICT facility -01 d) Laboratories: 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 : Refer to serial Number 25.

33. Teaching methods adopted to improve student learning: Student seminar and inviting NGO and other professional like legal experts to interact with the students.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Observation of Human Rights Day with various competitions and seminar talks.

35. SWOC analysis of the department and Future plans

| | |
|-----------------------|--|
| Strength: | Interdisciplinary subject with potential for application. |
| Weakness | : New subject, students are unaware of its opportunities. |
| Opportunity: | Higher education, working in NGO and in various commissions and legal cells. |
| Challenges: | To establish the utility of the subject in the student community. |
| Future plans : | To initiate Honours course. |

Evaluative Report of the Department

Physical Education

| | |
|---|--------------------|
| 1. Name of the Department- | Physical Education |
| 2. Year of establishment- | B.A. General- 2005 |
| 3. Name of Programmes/ Courses offered (UG,PG,M.Phil,Ph.D , Integrated Masters)- | UG |
| 4. Name of Inter disciplinary course and the departments/ units involved: | NIL |
| 5. Annual/semester/choice based credits system (programme wise): | Annual Based |
| 6. Participation of the department in the course offered by other department: | No |
| 7. Course in collaboration with other universities, industries, foreign institutions, etc.: | NIL |
| 8. Details of courses/ programmes discontinued (if any) with reasons: | NIL |
| 9. Number of Teaching Posts: | NIL |

10. Faculty profile with name, qualification, designation, specialization-

| Name | Qualification | Designation | Specialization | No. of year of Experience | No. of Ph.D Students guided for the last 4 years |
|-----------------------|---------------|-------------|-------------------------------------|---------------------------|--|
| Prof. Iti Chakraborty | M.P.E, M.Phil | CWTT | Sports Training and Athletics, Yoga | 09+ | N.A |
| Prof. Srabonti Sarkar | M.P.Ed, | PTT | Sports Training and kabaddi | 06 | N.A |

11. List of senior visiting faculty: **Nil**
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: **Nil**
13. Student- Teacher Ratio- Gen –**47:1**
14. Number of academic support staff (technical) and administrative staff; Sanctioned and filled: **Nil**
15. Qualification of teaching faculty with DSc/D.Litt/Ph.D/Mphil/PG: **M.Phil-01 & PG- 01**
16. Number of faculty with ongoing projects from (a) National (b) International funding agencies and grant 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: **NA**
19. Publications: Refer in the Departmental Profile.
 - * a) Publication per faculty
 - * Number of papers published in peer reviewed journals (national / international) by faculty and students
20. Areas of consultancy and income generated: **NA**
21. Faculty as members in (a) Editorial Boards: **NA**
 - (b) Percentage of students placed for project in organizations outside the institution i.e. in Research laboratories/Industry/other agencies: **N.A.**
22. Awards/Recognitions received by faculty and students: **NA**
23. List of eminent academic and scientists/ visitors to the department: **NA**
24. Seminars/ Conferences /workshop organized and the source of funding (a) National (b) International.: **NA**

25 Student profile programe/course wise:

| Name of the Course/Programme (refer question no.4) | Applications received | Selected | Enrolled | | Pass Percentage |
|--|-----------------------|----------|----------|-----|-----------------|
| | | | M | F | |
| 2015-16 | 120 | 120 | | 120 | Not appeared. |
| 2014-15 | 90 | 90 | | 90 | 100% |
| 2013-14 | 47 | 47 | | 45 | 100% |
| 2012-13 | 38 | 38 | | 38 | 100% |

26. Diversity of students:

| Name of the Course | %of students from the same state | % of students from other states | % of students from abroad |
|--------------------|----------------------------------|---------------------------------|---------------------------|
| UG- General | 100% | Nil | Nil |

27. How many students have cleared national and state competitive examination such as NET, SLET, GATE, Civil service, Defense services, etc. Nil

28. Student progression

| Student progression | Against % enrolled |
|---|--------------------|
| UG to PG | 5% |
| PG to M.Phil | 0% |
| PG to Ph.D | 0% |
| Ph.D to Post Doctoral | NA |
| Employed -campus selection -other than campus recruitment | Nil |
| Entrepreneurship/Self-employment | |

29. Details of Infrastructural Facilities

a) Central Library: approx-100
Seminar library- 59

b) Internet facilities for staff and students: **Nil**

c) Class rooms with ICT facility: **Nil**

d) Laboratories: **Nil**

30. Number of students receiving financial assistance from college, University, Government of other agencies: **60%**

31. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts: Tutorial Classes, Group discussions, different types of discussion on subject matters, higher level study etc.

32. Teaching methods adopted to improves student learning: Use of various sports equipment, gymnasium etc.

33. Participation in Institutional Social Responsibility (ISR) and Extension activities: NSS, NCC, Participation in different types of Competitions

34. SWOC analysis of the department and Future plans:

| | |
|---------------------|---|
| Strength: | 1. Department has sufficient quality students for higher level competitions. 2. Well maintained Sports Field and equipments. |
| Weakness: | Considring the fact thagt Dept. has practical classes, there is lacking in non-technical man-power. |
| Opportunity: | Students can join further professional courses like B.P.Ed., M.P.Ed., M.Phil., and Ph.d in physical education. |
| Challenge: | |
| Future Plan | Open the Professional Course in Physical Educagtion- B.P.Ed in future. |
| | |

Evaluative Report of the Department

Music

| | |
|--|-------------------------------|
| 1. Name of the department: | MUSIC |
| 2. Year of Establishment: | 26. 08. 1994. |
| 3. Names of Programs/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) | UG –B.A (Honours and General) |
| 4. Names of Interdisciplinary courses and the departments/units involved | Nil |
| 5. Annual/semester/choice based credit system (program wise) - | Annual |
| 6. Participation of the department in the courses offered by other departments | Nil |
| 7. Courses in collaboration with other universities, industries, foreign in situations, etc. | Nil |
| 8. Details of courses/programs discontinued (If any) with reasons | |

9. Number of Teaching posts

| | Sanctioned | Filled |
|---------------------|--------------------|------------------|
| Professors | Nil | Nil |
| AssociateProfessors | No sanctioned post | 01 (Through CAS) |
| Asst.Professors | 02 | 01 |

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

| Name | Qualification | Designation | Specialization | No. of Years of Experience | No. of Ph.D. Students Guided for the Last 4 years |
|---|-----------------------|-----------------|-----------------|----------------------------|---|
| Dr. Susanta Kumar Samanta, H.O.D, Music | M. Com., M.A., Ph. D. | Associate Prof. | Rabindra sangit | 17(H)18 (G) | NA |
| Dr. Sujata Roy Manna | M.A., Ph. D. | Assistant Prof. | Khayal | 07(H) 08 (G) | NA |
| Dr. Nandita Basu | M.A., Ph. D. | PTT | Khayal | 17(H) 23 (G) | NA |
| Smt. Bhaswati Roy Chowdhury (Basu) | M.A. | PTT | Khayal | 15(H) 21 (G) | NA |
| Smt. Dyuti Santra | M.A. | PTT | Bengali Song | 10(H) 10 (G) | NA |
| Sri Supriya Das | Sangit Ratnakar | PTT | Tabla | 17(H) 23(G) | NA |
| Sri Shyamal Basu | Sangit Bhaskar | PTT | Tabla | 17(H) 23(G) | NA |

11. List of senior visiting faculty

12. Percentage of lectures delivered and practical classes handled (program wise) By temporary faculty – 40%

13. Student-Teacher Ratio (program wise): 49 : 6

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NA

15. Qualifications of teaching faculty with DSc/D.Litt./Ph.D./MPhil./PG. PhD-03, PG-04

16. Number of faculty with ongoing projects from
 - a) National: Nil
 - b) International funding agencies and grants received: Nil
17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Rs. 389181 from CPE.
18. Research Centre/facility recognized by the University
19. Publications:
 - a) Publication per faculty –
Dr. Susanta Kumar Samanta, Associate Professor and H.O.D, Music
 - Samanta Susanta Kumar (2016). *Tagore's Song – the Source of Infusion of a new Life*. In Anudhyan : An International Journal of Social Sciences
 - Samanta Susanta Kumar (2013). *Desh Bibhag Janita Sankat Atikramane Rabindranather Gaan* . In State level Seminar Proceedings .Desh Bhag Ebong Sahittye Desh Bhager Provab (57 -61).
 - Samanta Susanta Kumar (2013). *Chandannagar Sutra Rabindra Porichoy*. In sesquicentennial Commemorative Edition of Kanailal Vidyamandir (70-74). Chandannagar.
 - Samanta Susanta Kumar (2012). *Bikalpo Siksha Adarsha O Rabindranath*. In Rabindranath Amader Sanskritik Uttoradhikar (84-101). Kolkata.
 - Samanta Susanta Kumar (2011). *Sangit Srasta Shilpi O Ei Samay*. In Platinum Jubilee Commemorative Edition of Dr. Sital Prasad Ghosh Adarsha Sikshalaya (247-250). Chandannagar.
 - Samanta Susanta Kumar (2011). *Ei Samayer Sanskriti O Siksha Byabostha Prosange Rabindranath*. In National level Seminar Proceedings. Rabindranath: Amader Sanskritik Uttoradhikar (18 -21).

DR. SUJATA ROY MANNA, ASSISTANT PROFESSOR , DEPT. OF MUSIC

ROY MANNA SUJATA (2015) JANMO SHATO BARSHE BEGUM AKHTER MIDNAPORE, SANBARTIKA.

- ROY MANNA SUJATA (2015)----SEI CHENA SURE-----MIDNAPORE----SANHITA PATRIKA---
RAJA N.L.KHAN WOMEN'S COLLEGE.
- ROY MANNA SUJATA (2014)----BHAIJAN- SANGEET-----MIDNAPORE,-----DO
- ROY MANNA SUJATA (2013)-----EKTU SURERJONYO-----MIDNAPORE,---DO
- ROY MANNA SUJATA (2011)-----BHARATIYA SANGEET : OITI HASIK O SAMAJIK ROOPREKHA--
---MIDNAPORE,---DO

- ROY MANNA SUJATA (2015)---SADHOK KOBIRAMPRASAD O SHYAMASANGEET-----KOLKATA, ABISHKAR.
- ROY MANNA SUJATA (2013)----ANONYO DWIJENDRALAL RAY : SANGEETE SMARANE O MANONE---KOLKATA---ABISHKAR
- ROY MANNA SUJATA (2012)---RABINDRANATH : AMADER SANSKRITIK UTTORADHIKAR----KOLKATA, AKASHDEEP (ISBN).
- ROY MANNA SUJATA (2016)---LAWREL O HARDY---KOLKATA, GOVT. OF WEST BENGAL (EDITED BY LADLY MUKHOPADHAYAY) (ISBN).
- ROY MANNA SUJATA (2012)---RABINDRASANGEET: ADHUNIK OTI-ADHUNIK RABINDRASANGEET: AMRA KAKE CHAAI?----(EDITED BY AZHARUDDIN KHAN)-----MIDNAPORE, NITYAKALER JATRI.
- ROY MANNA SUJATA (2011)---RABINDRASANGEETE PRAKRITI PARJAY---KOLKATA, ABISHKAR.

* Number of papers published in peer reviewed journals(national/ International)by faculty and students

Faculty – 03, Students – 00.

* 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

* Chapter in Books – 01.

* Books Edited – 01.

* Books with ISBN/ISSN numbers with details of publishers

1. Samanta, Susanta Kumar (2014). Rabindranath Gaan: utsaswarupanannyata (1st. Edition). Kolkata: Ashadeep.

2. Samanta, Susanta Kumar (2012). Rabindranath: Amader Sanskritik Uttaradhiakar (1st. Edition). Kolkata: Ashadeep

* Citation Index

* SNIP

* SJR

* Impact factor

* h-index

20. Areas of consultancy and income generated

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards -

Dr Susanta Kumar Samanta, Associate Prof. is Chairman of B .O. S in Music, V.U. & Member of B.O.S in Music, C.U.

22. Student projects

a) Percentage of students who have done in-house projects including interdepartmental/program : Nil

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: Nil

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

24. List of eminent academicians and scientists/visitors to the department - 1.Prof. Bulbul Sengupta, Ex-Dean of Faculty of Fine Arts, R.B.U. 2. Prof. Dr. Goutam Nag, H.O.D., Dept. of Instrumental Music, R.B.U.

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

a) National – 01 (UGC Sponsored) – Title: RABINDRANATH-AMADER

SANSKRITIK UTTARADHIKAR

b) International- Nil

26. Student profile programme/course wise:

| Name of the Course/programme (refer question no. 4) | Applications received | Selected | Enrolled | | Pass percentage |
|---|-----------------------|----------|----------|----|-----------------|
| | | | *M | *F | |
| 2012-13 | 20 | 15 | | 15 | 100% |
| 2011-12 | 20 | 15 | | 11 | 100% |
| 2010-11 | 18 | 14 | | 11 | 100% |
| 2009-10 | 15 | 13 | | 08 | 100% |

*M=Male *F=Female

27. Diversity of Students

| Name of the Course | % of students from the same state | % of students from other States | % of students from abroad |
|--------------------|-----------------------------------|---------------------------------|---------------------------|
| B.A.(Hons.) | 100% | Nil | Nil |

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

29. Student progression

| Studentprogression | Against % enrolled |
|----------------------------------|--------------------|
| UGtoPG | 40% |
| PGtoM.Phil. | - |
| PGtoPh.D. | - |
| Ph.D.toPost-Doctoral | - |
| Employed | - |
| •Campusselection | 10% |
| •Other than campus recruitment | |
| Entrepreneurship/Self-employment | - |

30. Details of Infrastructural facilities a)

Library –

Seminar Library -508

Central Library-532

No. of Audio CDs – 20.

b) Internet facilities for Staff & Students- Yes

c) Class rooms with ICT facility– 01.

d) Laboratories: N.A

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

1. College:-10 (Half Free/Full Free), 2. Government: Kanyasree:-05

32. Details on student enrichment program (special lectures/workshops/ Seminar) with external experts – A Seminar on ‘*Folk Song – An Introspection*’ held on 03.03.2014. Sri Kankan Bhattacharya, an eminent Musicologist & Formerly attached with Paschim Banga Rajya Sangit Academy enriched the seminar with the deliberation of his valuable lecture.

Seminars:-

- –Sangit o Swaralipi(2015) ,
- —Sangite Taal Baadaner Bhumika(2015)
- –Lokosangit;Ekta Anusndhan(2014)
- –Music:Subject,Syllabus and Scope of Employment(2013)

- –Shilpa Kshetre Upekshita Bishay –Sangitl(2012)
 - –Raag Sangit O Adhunikatal(2011) and Workshop on Revision of Syllabus in Music (2014) etc. have been organized every year.
33. Teaching methods adopted to improve student learning-A/V aids
34. Participation in Institutional Social Responsibility (ISR) and Extension activities- Through NSS and NCC activities.

35. SWOC analysis of the department and Future plans

| | |
|---------------------|--|
| Strength: | Experienced Faculty Members (both in Theory & Performance) are engaged in our Dept. for a long time. |
| Weakness: | During last few years students having no musical aptitude and ability are getting admission. |
| Opportunity: | Ample scope to earn livelihood in the field of Educational Institutes, Mass Media, Hospitality Management Centre etc. |
| Challenge: | |
| Future Plan | Correspondence is in progress to introduce P.G. Courses in Music to provide higher education for the women of the District of Paschim Medinipur & Purba Medinipur. |
| | |

SCIENCE DEPARTMENTS

Evaluative Report of the Department

Physics

| | |
|---|---|
| 1.Name of the department: | Physics |
| 2.Year of Establishment : | General -27/06/1960 Honours -19/08/1998 |
| 3.Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : | Three Tier Undergraduate Honours and General Course |
| 4.Names of Interdisciplinary courses and the departments/units involved: | Environmental Studies |
| 5.Annual/ semester/choice based credit system (programmed wise):. | Annual based |
| 6.Participation of the department in the courses offered by other departments: | Computer Science and Environmental Studies |
| 7.Courses in collaboration with other universities, industries, foreign institutions, etc.: | Nil |
| 8.Details of courses/programmers discontinued (if any) with reasons: | Nil |

9. Number of Teaching posts

| | Sanctioned | Filled |
|----------------------|-------------------|---------------|
| Professors | Nil | Nil |
| Associate Professors | Nil | Nil |
| Asst. Professors | 03 | 02 |

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

| Name | Qualification | Designation | Specialization | No. of Years of Experience | No. of Ph.D. Students guided for the last 4 years |
|------------------------------------|---------------|---------------------|--|----------------------------|---|
| Arjun Mukhopadhyay | M.Sc | Assistant Professor | X Ray Crystallography | 13 | Nil |
| Dr. Abhishek Chowdhury | M.Sc, P.hD | Assistant Professor | Perturbative and Non Perturbative Aspects of Lattice Quantum | 1 | Nil |
| Smt. Sandhya Maity | B.Sc.B.Ed | .L.I | | 35 | Nil |
| Mr.Sk Arsad | M.Sc.B.Ed | Guest Teacher | Condensed matter in physics | 2 | Nil |
| Mr.Chiranjit Dey | M.Sc, B.Ed. | Guest Teacher | Condensed matter in physics | 2 | Nil |
| Mr.Mrinmay Dey | M.Sc,B.Ed | Guest Teacher | Condensed matter in physics | 2 | Nil |
| Mr.Somnath Gorai | M.Sc B.Ed | Guest Teacher | Condensed matter in physics | 1 | Nil |
| Mr.Ritwik Maiti | M.Sc., B.Ed. | Guest Teacher | Condensed matter in physics | 1 | Nil |
| Miss. Dipanwita Chokroborty | M.Sc.B.Ed | Guest Lecturer | Condensed matter in physics | 1 | Nil |

11. List of senior visiting faculty: **Nil**

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: **50%**

13. Student -Teacher Ratio (programme wise): **10:1 for Honours Course**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

- Sanctioned **03**
- Filled **02**

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG:
 - **PG** **07**
 - **Ph.D** **01**
16. Number of faculty with ongoing projects from: a) National : **Nil**.
b) International funding agencies and grants received: **Nil**.
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: **Nil**
 - **UGC- CPE Fund** : **5 lacs**
 - **BSR** : **6 lacs**
 - **DST – FIST** : **8.5 lacs**
18. Research Centre /facility recognized by the University: Nil
19. Publications:
 - a) Publication per faculty :
Arjun Mukhopadhyay: 01
Abhishek Chowdhury: 08

List of publications by Arjun Mukhopadhyay :-
Journal Papers

1. Mondal Sujit, Mukherjee Arjun, Maiti Ramakrishna, 2012, Application of RS and GIS based Semi-quantitative approach (Analytical Hierarchy Process – AHP) in landslide hazard risk assessment of the Shivkhola Watershed, Darjiling Himalaya, Georisk, vol. 6, No. 4, December 2012, 203 220

The list of papers presented in various Conference/Seminar/workshops

1 Title : —Roton-Exciton Higher Order Intermodal Entanglement

Authors – Arjun Mukhopadhyay, Biswajit Sen and Anirban Pathak
Paper presented in International Conference on Light Quanta: Modern Perspectives and Applications organized by Physics Department, University of Allahabad on Dec. 14-16, 2015.

2 Title: —On the Synchronization states of Duffing – van-der-Pol Oscillator

Paper presented in Vidyasagar-Satyendra Nath Bose National Workshop on Physics of Low Dimensional Structure organized by Department of Physics and Technophysics, Vidyasagar University, Midnapore, West Bengal on March 25th - 27th, 2015.

3 Title: —Synchronization in a Network of Duffing Oscillators

Paper presented in UGC sponsored Two Days National Seminar on **Recent Advancement in Physics** organized by Department of Physics, Vivekananda Satavarsiki Mahavidyalaya, Manikpara, Paschim Medinipur, West Bengal on March 20-21, 2015.

4 Title: —Synchronization of forced Van – der –Pol Oscillators

Paper presented in Vidyasagar-Satyendra Nath Bose National Workshop on **Physics of Advanced Optical Materials and Photonics** organized by Department of Physics and Technophysics, Vidyasagar University, Midnapore, West Bengal on March 26th- 28th, 2014.

5 Title: —Cha's Oscillator: A Pioneering work to exhibit Nonlinear Dynamical Phenomena

Paper Presented in UGC sponsored National Seminar on **Advanced Instrument Used in Current Research** organized by Departments of Chemistry & Physics, Sri Ramkrishna Sarada Vidyamahapitha on 20th-21st September, 2013.

List of publications by Dr. Abhishek Chowdhury:-

Title: –Correlation and localization properties of topological charge density and the pseudoscalar glueball mass in lattice Yang-Mills theory

Authors: **Abhishek Chowdhury**, A. Harindranath, Jyotirmoy Maiti.

Status: Recently accepted on PRD.

Impact Factor of the Journal : **4.864**

2 Title: –Open Boundary Condition, Wilson Flow and the Scalar Glueball Mass

Authors: **Abhishek Chowdhury**, A. Harindranath, Jyotirmoy Maiti.

Published in JHEP 1406 (2014) 067

Impact Factor of the Journal : **6.22**

Title: –Topological susceptibility in lattice Yang-Mills theory with open boundary condition

Authors: **Abhishek Chowdhury**, A. Harindranath, Jyotirmoy Maiti, Pushan Majumdar.

Published in JHEP 1402(2014)045

Impact Factor of the Journal : **6.22**

4 Title: –Many avatars of the Wilson fermion: A perturbative analysis

Authors: **Abhishek Chowdhury**, A. Harindranath, Jyotirmoy Maiti, Santanu Mondal.

Published in JHEP 1302 (2013) 037

Impact Factor of the Journal : **6.22**

Title: –Pion and nucleon in two flavour QCD with unimproved Wilson fermions

Authors: **Abhishek Chowdhury**, Asit K. De, Sangita De Sarkar, A. Harindranath, Jyotirmoy Maiti, Santanu Mondal, Anwesha Sarkar.

Published in Nucl.Phys. B871 (2013) 82-97

Impact Factor of the Journal : **3.946**

Title: –Exploring autocorrelations in two-flavour Wilson Lattice QCD using DD-HMC algorithm

Authors: **Abhishek Chowdhury**, Asit K. De, Sangita De Sarkar, A. Harindranath, Jyotirmoy Maiti, Santanu Mondal, Anwesha Sarkar.

Published in Comput.Phys.Comm. 184 (2013) 1439-1445

Impact Factor of the Journal : **2.407**

Title: –Topological charge density correlator in Lattice QCD with two flavours of unimproved

Wilson fermions

Authors: **Abhishek Chowdhury**, Asit K. De, A. Harindranath, Jyotirmoy Maiti, Santanu

Mondal.

Published in JHEP 1211 (2012) 029

Impact Factor of the Journal : **6.22**

8 Title: –Topological susceptibility in Lattice QCD with unimproved Wilson fermions

Authors: **Abhishek Chowdhury**, Asit K. De, Sangita De Sarkar, A. Harindranath, Santanu Mondal, Anwesa Sarkar, Jyotirmoy Maiti.

Published in Phys.Lett. B707 (2012) 228-232

Impact Factor of the Journal : **6.019**

b) Conference Papers (published in proceeding of science)

Title: –Autocorrelation studies in two-flavour Wilson lattice QCD using DD-HMC algorithm

Authors: **Abhishek Chowdhury**, Asit K. De, A. Harindranath, Sangita De Sarkar, Santanu Mondal, Anwesa Sarkar, Jyotirmoy Maiti.

Published in **PoS LATTICE2012 (2012) 189**

Conference: C12-06-24 Proceedings

Title: –Low lying hadron spectrum and chiral condensate with two flavours of naive Wilson fermions

Authors: **Abhishek Chowdhury**, Asit K. De, Sangita De Sarkar, A. Harindranath, Jyotirmoy Maiti, Santanu Mondal, Anwesa Sarkar.

Published in **PoS LATTICE2012 (2012) 208**

Conference: C12-06-24 Proceedings

Title: –Quark mass, scale and volume dependence of topological charge density correlator in Lattice QCD

Authors: **Abhishek Chowdhury**, Asit K. De, A. Harindranath, Jyotirmoy Maiti, Santanu Mondal.

Published in **PoS LATTICE2012 (2012) 200**

Conference: C12-06-24 Proceedings

Title: –Spanning of Topological sectors, charge and susceptibility with naive Wilson fermions

Authors: **Abhishek Chowdhury**, Asit K. De, Sangita De Sarkar, A. Harindranath, Santanu Mondal, Anwesa Sarkar, Jyotirmoy Maiti. Coll.).

Published in **PoS LATTICE2011 (2011) 099**

Conference: C11-07-10 Proceedings

c) 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:

Chapter in Books: Nil

Books Edited: 01

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

Citation Index : 4 (Four)

SNIP: Nil

SJR: Nil

Impact factor: Nil

h-index: Nil

20. Areas of consultancy and income generated: NA

21. Faculty as members in: Nil

a) National committees: Nil.

b) International Committees: Nil c) Editorial Boards : Nil

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/Programme: **100 % (3rd year students)**

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: 5%

23. Awards / Recognitions received by faculty : Nil

24. List of eminent academicians and scientists / visitors to the Department: Nil

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

a) National: Nil

b) International: Nil

26. Student profile Programme /course wise:

| Year | Name of the Course/programme | Applications received | Selected | Enrolled | | Pass percentage |
|------|------------------------------|-----------------------|----------|----------|----|-----------------|
| | | | | *M | *F | |
| 2015 | B. Sc. (Hons.) Three Tier | 150 | 45 | - | 45 | 100 |
| 2014 | Do | 142 | 40 | - | 40 | 88 |
| 2013 | Do | 140 | 40 | - | 40 | 95 |
| 2012 | Do | 133 | 40 | - | 40 | 100 |
| 2013 | Do | 130 | 40 | - | 40 | 100 |
| | | | | | | |

*M = Male *F = Female

27. Diversity of Students

| Name of the Course | % of students from the same state | % of students from other States | % of students from abroad |
|----------------------|-----------------------------------|---------------------------------|---------------------------|
| B.Sc. (Hons.) | 100% | Nil | Nil |

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? **10**

29. Student progression

| Student progression | Against % enrolled |
|---|--------------------------|
| UG to PG | 100% |
| PG to M. Phil. | |
| PG to Ph.D. | 9.5% |
| Ph.D. to Post-Doctoral | 1% |
| Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment | 38% 25% |
| Entrepreneurship/Self-employment | 2% |

30. Details of Infrastructural facilities

a) Library :

- Seminar Library : **No. of Books = 380**
- **Central Library : No. of Books= 1730**

b) Internet facilities for Staff & Students : **A computer lab with fully functional internet facility for all the staff and students of the Department**

c) Class rooms with ICT facility **02**

d) Laboratories **05**

31. Number of students receiving financial assistance from college, university, Government or other agencies: **10**

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts **One) Departmental Seminar organized on 23rd December, 2015 on the topic —The recent development of Quantum Optics by Dr. Biswajit Sen of Vidyasagar Teachers Training College, Midnapore.**

- 33. Teaching methods adopted to improve student learning: Audio Visual Aids
- 34. Participation in Institutional Social Responsibility (ISR) and Extension activities: NSS and NCC**

35. SWOC analysis of the department and Future plans:

| | |
|---------------------|---|
| Strength: | The Department has a dynamic infrastructure in terms of Laboratory equipments which is at par with the best Undergraduate Colleges of same status. |
| Weakness: | The faculty student ratio is poor. |
| Opportunity: | The department provides the students to develop the basics of the subject for the entry to the post graduate studies and consequently to the research. The collaboration with the likes of Computer Science or BCA provides job opportunity in the industry. . |
| Challenge: | Although almost all the passed out students are absorbed in the Post Graduate studies in various Universities, to train them for research institutes is more of a challenge in the present situation. |
| Future Plan | A plan to arrange seminar lectures regularly from the experts of current hot fields of the subject to enhance the interest of research among the students has been taken. |
| | |

Evaluative Report of the Department

Chemistry

| | |
|--|---|
| 1.Name of the department (DST-FIST Sponsored): | Chemistry |
| 2.Year of Establishment: | 12.08.2002 (Hons.) 27.06.1960 (General) |
| 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : | UG (Hons. & General) |
| 4.Names of Interdisciplinary courses and the departments/units involved: | Nil |
| 5.Annual/ semester/choice based credit system (programme wise): | Annual (Three tier system as per Vidyasagar University norms) |
| 6.Participation of the department in the courses offered by other departments: | 02 |
| 7.Courses in collaboration with other universities, industries, foreign institutions, etc.: | Nil |
| 8. Details of courses/programmes discontinued (if any) with reasons: | NA |

9. Number of teaching posts

| | Sanctioned | Filled |
|----------------------|-------------------|-------------------------------|
| Professors | -- | 01 (Principal) |
| Associate Professors | 00 | 01 (By promotion through CAS) |
| Asst. Professors | 02 | 01 |

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

| Name | Qualification | Designation | Specialization | No. of Years of Experience | No. of Ph.D. Students guided for the last 4 years |
|------------------------|---------------|--|---------------------|----------------------------|---|
| Dr. Sukla Chakladar | M.Sc ,Ph.D. | Associate Professor | Inorganic Chemistry | 28 Years | NIL |
| Dr. Mrinal Kanti Paira | M.Sc., Ph.D. | Assistant Professor | Organic Chemistry | 09 Years | NIL |
| Dr. Amalendu Ghosal | M.Sc., Ph.D. | Guest Faculty Ex. Associate Professor | Physical Chemistry | 42Years | Nil |
| Mr. Arun Kumar Panda | M.Sc., B.Ed. | Part Time Teacher | Inorganic Chemistry | 06 Years | NIL |
| Smt. Mrinalini Parmar | M.Sc., B.Ed. | Part Time Teacher | Physical Chemistry | 05 Years | NIL |
| Mr. Aparup Pal | M.Sc., B.Ed. | Guest Teacher | Organic Chemistry | 03 Years | NIL |
| Smt Pratiti Roy | M.Sc., B.Ed. | Guest Teacher | Inorganic Chemistry | 06Year | NIL |
| Dr. Ipsita Kumar Sen | M.Sc., Ph.D. | Guest Teacher | Organic Chemistry | 02 Months | NIL |

| | |
|--|--|
| 11. List of senior visiting faculty: | Dr. Amalendu Ghosal |
| 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: | 47.8% |
| 13. Student -Teacher Ratio (programme wise): | 17:01(Hons.) |
| 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: | Sanctioned: 03 Filled: 02 |
| 15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG: | PhD: 04 M.Phil: 00 PG: 04 |

16. Number of faculty with ongoing projects from: a) National: 01

| Name | Funding Agency (Date and File No.) | Title of the project work | Sanction Amount | Status |
|-------------------------------|--|--|--------------------|---------|
| Dr. Mrinal Kanti Paira | UGC Date 03.02.2015 (F.No.PSW-151/14-15(ERO)) Minor Research Project | Synthesis, characterization and catalytic, biological activity of new (ONS) _n donor molecule and their complexes along with DFT computation | 3,67,000.00 | Ongoing |

b) International funding agencies and grants received: NIL

| | |
|---|-----------------------------|
| 17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: | DST FIST-Rs.22,40000 |
| 18. Research Centre /facility recognized by the University: | NA |
| 19. Publications: 04 (International) | |

a) Publication per faculty :

Name of the Teacher: Dr Mrinal Kanti Paira (4)
Smt Mrinalini Parmar (1)

List of publications:

1. Antibacterial activity of synthesized 3-(2-(alkylthio) phenylazo)-2,4-pentanedione and its Cu(II) derivatives. **M. K. Paira**, M. Parmar, D. Ojha. *International Journal of Bioassays* **4.12**, 2015: 4679-4684.
2. Ruthenium carbonyl complexes of 3-(2-(methylthio)phenylazo)-4-hydroxy-3-penten-2-one: Synthesis, spectral characterization, electronic structure and catalytic activity By Subrata Jana, Mahendra Sekhar Jana, Deblina Sarkar, **Mrinal Kanti Paira**, Tapan Kumar Mondal. *Journal of Molecular Structure* 2013, **83–88**, 1054–1055.
3. **Synthesis, spectral characterizations, redox properties and DFT computations of [MH (CO)(PPh₃)₂(N-heterocycle Schiff base)]⁺ (M= Ru and Os) and their applications to the synthesis of Ag nanoparticles by Mrinal Kanti Paira, Paramita Dutta, Tapan Kumar Mondal and Chittaranjan Sinha. *J.Indian Chem. Soc.*, **90**, 2013, 423-436.**

4. Structure, redox behavior, antibacterial activity and correlation with electronic structure of the complexes of nickel triad with 3-(2-(alkylthio)phenylazo)-2,4-pentanedione by **Mrinal Kanti Paira, Tapan Kumar Mondal, Durbadal Ojha, Alexandra M. Z. Slawin, Edward R. T. Tiekink, Amalesh Samanta and Chittaranjan Sinha. *Inorganica Chimica Acta*, 2011, 370, 175-188.**

b) 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:

Chapter in Books: Nil

Books Edited: Nil

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

Citation Index:

SNIP:

SJR:

Impact factor: 0.4-3.94

h-index:N.A

20. Areas of consultancy and income generated: NA

21. Faculty as members in

a) National committees: Nil

b) International Committees: Nil

c) Editorial Boards: Nil

22. Student projects

b) Percentage of students who have done in-house projects including inter departmental/programme: Nil

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil

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

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

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

a) National Seminar: Nil

b) International: Nil

26. Student profile programme/course wise:

| Name of the Course/programme (refer question no. 4) | Applications received | Selected | Enrolled | | Pass percentage |
|--|-----------------------|----------|----------|----|-----------------|
| | | | *M | *F | |
| 2012-2013 | 283 | 36 | | 36 | 86.4% |
| 2011-2012 | 308 | 33 | | 33 | 100% |
| 2010-2011 | 330 | 30 | | 30 | 100% |
| 2009-2010 | 262 | 30 | | 30 | 100% |

*M = Male *F = Female

27. Diversity of Students

| Name of the Course | % of students from the same state | % of students from other States | % of students from abroad |
|--------------------|-----------------------------------|---------------------------------|---------------------------|
| B.Sc. (Hons.) | 99% | 01% | 0 |

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

29. Student progression

| Student progression | Against % enrolled |
|---|--------------------|
| UG to PG | 80-85% |
| PG to M.Phil. | - |
| PG to Ph.D. | - |
| Ph.D. to Post-Doctoral | - |
| Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment | 0.5% 70-80% |
| Entrepreneurship/Self-employment | - |

30. Details of Infrastructural facilities

No of Books:

- a) Central Library: 1292
Seminar Library: 355

- b) Internet facilities for Staff & Students: **01**
- c) Class rooms with ICT facility: **01**
- d) Laboratories: **04**
- 31. Number of students receiving financial assistance from college, university, government or other agencies: above 50%**
- 32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts:**
 - 1. Seminar on Life and Works of APC Roy on 19.09.2011 by Prof. Sukumar Maity, Former professor IIT Kharagpur and Dr. Amalendu Ghosal, former reader Midnapore College, Midnapore.
 - 2. Seminar on **–Plant metabolites as renewable chemicals for a sustainable future** on 7th March, 2014 by Prof. (Dr.) Braja Gopal Bag, Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore.
- 33. Teaching methods adopted to improve student learning:** Smart class, use of Models etc.
- 34. Participation in Institutional Social Responsibility (ISR) and Extension activities:**
Dr Mrinal Kanti Paira serves as High Potential NSS Programme Officer (Unit II).

35. SWOC analysis of the department and Future plans: to open PG course

| | |
|--------------|--|
| Strength: | <p>Department is funded by DST-FIST, UGC-CPE, and BSR.</p> <p>Experienced and dedicated faculties,</p> <p>Lecture theatre with Smart Board and LCD projector.</p> <p>Well equipped Computer Lab for Computer Practical Classes.</p> <p>Consistently good academic records.</p> <p>Good relationship between students and teachers.</p> |
| Weakness: | <p>Insufficient number of faculty (due to insufficient number of permanent teaching post) compared to student strength.</p> |
| Opportunity: | <p>To enrich Seminar Library.</p> <p>To generate funds for meritorious and financially challenged Undergraduate students.</p> <p>To enrich Research Work by faculties.</p> |
| Challenge: | <p>To improve the Knowledge of students.</p> <p>To improve the performance of students in All India competitive Exams.</p> <p>To motivate the students in Research Activities.</p> |
| Future Plan | <p>Organize State Level ,National and International seminars,</p> <p>To introduce different job orienting course related to Chemistry and to open PG course.</p> <p>Tie-up with different Research Institute and Universities and</p> <p>to subscribe more Research Journals.</p> |
| | |

Evaluative Report of the Department

Mathematics

| | |
|---|---|
| 1. Name of the department: | Department of Mathematics (DST-FIST sponsored and DBT) |
| 2. Year of Establishment: | UG (General) – 27.06.1960 and UG (Honours) – 17.03.1967 |
| 3. Names of Programmes /Courses offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): | UG course (Honours and General course) |
| 4. Names of Interdisciplinary courses and the departments/units involved: | NIL |
| 5. Annual/semester/choice based credit system (programme wise): | Annual (Three tire system as per Vidyasagar University norms) |
| 6. Participation of the department in the courses offered by other departments: | B.C.A , Micro-biology and Zoology (PG) |
| 7. Courses in collaboration with other universities, industries, foreign institutions, etc.: | Vidyasagar University |
| 8. Details of courses/programmes discontinued(if any)with reasons: | N.A |

9. Number of Teaching posts

| | Sanctioned | Filled |
|----------------------|-------------------|-------------------------------------|
| Professors | Nil | Nil |
| Associate Professors | Nil | 2 (by Promotion through CAS) |
| Asst. Professors | 4 | 2 |

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

| Name | Qualification | Designation | Specialization | No.ofYears of Experience | No.ofPh.D. Students guidedforthe last4years |
|-----------------------|---------------------------|--|--|--------------------------|---|
| Dr.Biswajit Mondal | M.Sc. B.Ed., Ph. D. | Associate Professor, full time teacher | Elasticity and Plusticity, Operations Research, Bio-mathematics | More than 18 years | 01 |
| Dr. Sukumar Mondal | M.Sc.,B. Ed., Ph. D. | Associate Professor, full time teacher | Dynamical Oceanology and Meteorology, Design and Analysis of Graph Algorithms. | More than 15 years | 01 |
| Mr.Jayanta Sarkar | M.Sc, M.Phil,B.E d | Part-Time teacher | Operations Research | More than 18 years | - |
| Mrs.Asmita Satpati | M. Sc. | Guest teacher | Operations Research | More than Five Years | - |
| Miss.Debjani Sinha | M. Sc. | Guest teacher | Operations Research | More than Four Years | - |
| Mrs.Manisha Mukherjee | M. Sc. | Guest teacher | Dynamical Oceanology and Meteorology | More than Three Years | - |
| Mr. Prabir Panja | M. Sc. | Guest teacher | Operations Research, Bio-Mathemetics | More than Three Years | - |

11. List of senior visiting faculty: N/A

12. Percentage of lectures delivered and practical classes handled (programmewise) By temporary faculty: **25%**

13. Student-Teacher Ratio (programmewise):

| Programme | Student-Teacher Ratio |
|-----------|-----------------------|
| UG | 24:1 |

14. Number of academic support staff(technical) and administrative staff; sanctioned and filled: Nil

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

| Qualifications of teaching faculty | Number |
|------------------------------------|--------|
| Ph.D | 02 |
| M.Phil | 01 |
| PG | 04 |

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: 01(UGC Major Research Project)

17. Departmental projects fundedby DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:

| Sl. | Name of PI | Funding Agency (Date and File No.) | Title of the Project Work | Amount | Status [Completed (Year)/ Ongoing] |
|-----|-----------------------|--|--|--------------------|---|
| 1. | Dr. BiswajitMondal | University Grants Commission, F. No.42-14/2013(SR) Dated 12.03.2013 (MAJOR) | Bio-economic model on multi- species prey- predator sustainable marine fisheries along coastal side of the bay of Bengal in West Bengal | Rs. 3,70,000=00 | 01.04.2013 to till now Ongoing |
| 2. | Dr. SukumarMondal | University Grants Commission F. PSW- 094/11-12 (ERO)(MINOR) | Development of Some Sequential and Parallel Algorithms on the Class of Intersection Graphs | Rs. 1,48,800=00 | 01.07.2011 to 30.06.2012 Completed |
| 3. | Dr. SukumarMondal | University Grants Commission F. 41- 764/2012 (SR)(MAJOR) | Design and Analysis of Algorithms on Class of Intersection Graphs | Rs. 4,46,000/- | 01.07.2012 to 30.09.2015 Completed |
| 4. | Other grants: | DST FIST | | Rs. 2240000 | |
| | | DBT STAR | | Rs.8,00,000 | |
| | | CPE | | Rs.8,50,000 | |

18. Research Centre/facility recognized by the University: **Yes, Departmental Faculties are actively engaged in Research Work.**

19. Publications:

* a) Publication per faculty:

Dr. Biswajit Mondal

- i) Sandhukhan D., Mondal B., Maiti M., 2011, A general Holling type model with optimal harvesting policies **Tribal World(A multidisciplinary effort)** Vol 1 102- 112 , ISBN NO. 81-88094-12-9
- ii)Mondal B. 2014,Bio-mathematical model Prey-Predator Model with Marine Protect Area(MPA) and Harvesting, International Journal of Scientific & Engineering Research, ISSN No. 2229-5518 Vol. – 5(9), 858-867
- iii)Sandhukhan D., Mondal B., Maiti M., 2015, A Food Web Population Model in Deterministic and Stochastic Environment , **Proceedings in Mathematics & Statistics 125**, DOI 10.1007/978-81-322-2301-6_21, **Springer India**,

Conference Papers (The given format should be followed)

- i) Mondal B. 2015, Bio-Economic Prey-Predator Model with Researve in Prey, Proceedings of the **National Seminar on Recent Trends in Bio-Mathematical Modelling Under Uncertain Environment**, ISBN No 978-81-8487-522-5

Dr. Sukumar Mondal

1. Pramanik, T., Mondal, S. and Pal,M., The diameter of an interval graph istwice ofits radius,*World Academy of Science, Engineering and Technology*,80(2011) 1363-1368.
2. Pramanik, T., Mondal, S. and Pal,M., Minimum 2-tuple dominating set of anintervalgraph,*International Journal of Combinatorics, Volume 2011, Article ID 389369, 14 pages, Doi:10.1155/2011/389369.*
3. Jana, B., Mondal, S. and Pal,M., Computation of Inverse 1-center Location Problem on the Weighted Tree, *CiiT International Journal of Networking and Communication Engineering*, 4 (2012) 70-75.
4. Jana, B., Mondal, S. Computation of a Minimum Average Distance Tree onPermutation Graphs, *Annals of Pure and Applied Mathematics*, Vol. 2, No. 1, 2012, 74-85 ISSN: 2279-087X (P), 2279- 0888(online) .

5. Barman, S.C., Mondal, S., Pal, M., Computation of a Tree 3-Spanner on Trapezoid Graphs, *Annals of Pure and Applied Mathematics*, Vol. 2, No. 2, 2012, 135-150 ISSN: 2279-087X (P), 2279-0888(online).
6. Barman, S.C., Mondal, S., Pal, M., Minimum 2-tuple dominating set of Trapezoid Graphs, *Journal of Applied Mathematics and Computing*, ISSN 1598-5865 DOI 10.1007/s12190-013-0656-2. October 2013, Volume 43, Issue 1-2, pp 133-150
7. Mondal, S., An Efficient Algorithm for Computation of a Minimum Average Distance Tree on Trapezoid Graphs, *Journal of Scientific Research & Reports*, 2(2013)598-611.
8. Jana, B., Mondal, S., Pal, M., Computation of a Minimum Average Distance Tree on Circular-arc Graphs, *International Journal of Electronics Communication and Computer Engineering*, 6(3), 2015, 74-85, ISSN: 2249-071X (O), 2278-4209(P)

* Number of papers published in peer reviewed journals (national/ international) by faculty and students

| National | International |
|----------|---------------|
| 1 | 11 |

* 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: **Title: Some Sequential and Parallel Algorithms on Interval, Permutation and Trapezoid graphs.**

Publishers: LAMBERT Academic Publishing, Germany, ISBN: 978-3-8465-8247-3.

* Chapter in Books: Nil

* Books Edited: Nil

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

1. Advanced Analytical Statics

(U. N. Dhaur & Sons, Kolkata, 4th Edition on 2011, Reprint-2013, ISBN-978-93-80673-22-6)

2. Key to Advanced Analytical Statics

(U. N. Dhaur & Sons, Kolkata, 1st Edition. on 2011, ISBN-978-93-80673-36-3)

3. Revised Module Writer of Vidyasagar University for DDE (49-54, 91-93)

4. Advanced Hydrostatics (2012, Amit Publication, Kolkata)

* Citation Index

* SNIP

* SJR

* Impact factor

* h-index

20. Areas of consultancy and income generated: Not Applicable**21. Faculty as members in****a) National committees****Dr. Biswajit Mondal**

1. Life Member of Calcutta Mathematical Society,
2. Life Member of Indian Statistical Institute, Kolkata
3. Member of Board of Studies, Midnapore College

Dr. Sukumar Mondal

1. Life Member of Calcutta Mathematical Society
2. Life Member of Indian Mathematical Society
3. Life Member of National Environmental Science Academy

b) International Committees: Nil

c) Editorial Boards

Dr. Biswajit Mondal

Associate editor of International Research Journal of Basic and Applied Sciences (IRJBAS)

Dr. Sukumar Mondal

Member of the Editorial board of Journal of *Annals of Pure and Applied Mathematics*.**22. Student projects**

a) Percentage of students who have one in-house projects including interdepartmental/programme: **Nil**

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: **Nil**

23. Awards/Recognitions received by faculty and students:**Table 8**

| Sl. No. | Name of Faculty/Students | Awards/ Recognitions | Year |
|---------|--------------------------|--|------|
| Faculty | Dr. Sukumar Mondal | Scientist of the Year-2013 by NESAC. | 2013 |
| Student | Jasminra Khatun | B. Sc. Final 3 rd Rank in VU | 2011 |
| | Krishna Mula | B. Sc. Final 9 th Rank in VU | 2012 |
| | Champa Guria | B. Sc. Final 10 th Rank in VU | 2013 |
| | Moumita Samanta | B. Sc. Final 5 th Rank in VU | 2014 |
| | Tumpa Jana | B. Sc. Final 9 th Rank in VU | 2015 |

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

Refer to Sl. No. 25

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

| Sl. No. | Names of Speakers | Nature | Year | Funding Agency |
|----------------|--|-----------------|-------------|-----------------------|
| 1. | Prof. G. P. Bhattacharya, IIT, Kharagpur | National | 2012 | UGC |
| 2. | Prof. RajatKanti Pal, Calcutta University | National | 2012 | UGC |
| 3. | Prof. S. K. Pal, IIT, Kharagpur | National | 2012 | UGC |
| 4. | Prof. Madhumangal Pal, Vidyasagar University | National | 2012 | UGC |
| 5. | Prof. JaydevChattopadya, ISI, Kolkata | Special Lecture | 2013 | Own fund |
| 6. | Prof. Tapan Kumar Pal, Vidyasagar University | Special Lecture | 2014 | UGC(CPE) |
| 7. | Prof. Madhumangal Pal, Vidyasagar University | Special Lecture | 2014 | UGC(CPE) |
| 8. | Prof. NandadulalBairagi, Jadavpur University, Kolkata | Workshop | 2015 | BDT-STAR |
| 9. | Prof. TapanKar, IESTS, Howrah | Workshop | 2015 | BDT-STAR |

b) International. **Nil**

26. Student profile programme/course wise :

| Name of the Course/programme(refer question no. 4)UG | Applications received | Selected | Enrolled | | Pass percentage |
|--|-----------------------|----------|----------|----|---------------------------------|
| | | | *M | *F | |
| 2015-2016 | 509 | 81 | - | 81 | 96% (Admitted in 2012-2013) |
| 2014-2015 | 285 | 72 | - | 72 | 100% (Admitted in 2011-2012) |
| 2013-2014 | 274 | 66 | - | 66 | 100% (Admitted in 2010-2011) |
| 2012-2013 | 294 | 60 | - | 60 | 100% (Admitted in 2009-2010) |
| 2011-2012 | 306 | 55 | - | 55 | 100% (Admitted in 2008-2009) |

*M=Male *F=Female

27.Diversity of Students

| Name of the Course | %of students from the same state | % of students from other States | % of students from abroad |
|--------------------|----------------------------------|---------------------------------|---------------------------|
| UG | 100% | Nil | Nil |

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

| Year | NET | SLET/SET | GATE | SSC | Others |
|------|-----|----------|------|-----|--------|
| 2015 | - | - | 2 | - | - |
| 2014 | - | - | - | - | 1 |
| 2013 | - | - | 1 | 4 | 2 |
| 2012 | - | - | - | 6 | 3 |
| 2011 | - | - | - | 9 | 2 |

29. Student progression

| Student progression | Against % enrolled |
|--|--|
| UG to PG | 80%(Regular & Distance mode) |
| PG to M.Phil. | 0% |
| PG to Ph.D. | 1% |
| Ph.D. to Post-Doctoral | 0% |
| Employed •Campus selection •Other than campus recruitment | 1% 9% (Through School Service Commission) |
| Entrepreneurship/Self-employment | 0% |

30.Details of Infrastructural facilities

- a) Seminar Library: **No of Books-525**
- b) Internet facilities for Staff&Students **10 Computers**
- c) Class rooms with ICT facility **02**
- d) Laboratories **01**
- e) **Mathematics Gallery: 01**

31. Number of students receiving financial assistance from college, university, Government or other agencies: **25%**

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

Refer to Sl. No. 25

33. Teaching method opted to improve student learning:

Teaching Methodology:

- Internet facility for both Faculty and Under Graduate students
- Organizing extension lectures by the eminent teachers From different Institutes and Universities
- Audio-Visual class using Smart Board and LCD projector

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

- School Service Commission preparatory classes with CAC.**
- Initiation taken to develop the Practical Knowledge of Mathematics among School Children of XI-XII Standard by visiting them to our Mathematics Gallery.**

35. SWOC analysis of the department and Future plans:

| | |
|--------------|---|
| Strength: | 1) Experienced and dedicated faculties, 2) Lecture theatre with Smart Board and LCD projector, 3) Well equipped Computer Lab for Computer Practical Classes, 4) Consistently good academic records. 5) Good relationship between students and teachers. |
| Weakness: | Shortage of Permanent Faculties and absence of Administrative Staff. |
| Opportunity: | 1) To enrich Seminar Library, 2) To organize special lectures by eminent Professors. 3) To generate funds for meritorious and financially challenged Undergraduate students. 4) To Open M. Sc. Course in Applied Mathematics, To enrich Research Work by faculties. . |
| Challenge: | 1) To improve the Mathematical Knowledge of students. 2) To improve the performance of students in All India competitive Exam. 3) To motivate the students in Research Activities. |
| Future Plan | 1) To organize more National and International seminars, 2) To introduce different job orienting course related to Mathematics 3) Tie-up with different Research Institute and Universities, 4) To subscribe more Research Journals. |
| | |

Evaluative Report of the Department

Zoology

| | |
|--|--------------------------------------|
| 1.Name of the department : | ZOOLOGY |
| 2.Year of Establishment : | 1961(UG Hons.),2004(PG) |
| 3.Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): | UG (Honours and General) & PG (M.Sc) |
| 4.Names of Interdisciplinary courses and the departments/units involved: | NIL |
| 5.Annual/ semester/choice based credit system (programme wise) | UG – 3 Tier PG - Semester |
| 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 | NIL |

9. Number of Teaching posts

| | Sanctioned | Filled |
|----------------------|--------------------|-----------------|
| Professors | NIL | NIL |
| Associate Professors | No Sanctioned Post | 01(Through CAS) |
| Asst. Professors | 04 | 02 |

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

| Name | Qualification | Designation | Specialization | No. of Years of Experience | No. of Ph.D. Students guided for the last 4 years |
|-----------------------|--|----------------------------|------------------------------|----------------------------|---|
| Dr. P. P. Chakravorty | M.Sc., Ph .D., F.Z.S. (Cal), F.I.C.E.Z.S. , | Associate Professor & Head | Entomology/Ecology | 15 yrs.+ | Awarded-02, Submitted- 02; ongoing - 02 |
| Dr. R. Dasgupta | M.Sc.,M.Phil. , | Assistant Professor | Parasitology/ Ecotoxicology | 14yrs.+ | Ongoing - 01 |
| Dr. A. Chanda | M.Sc. (Gold Medelist), | Assistant Professor | Fishery/Prawn taxonomy & | 7yrs.+ | Ongoing -01 |
| Smt. M. Maity | M.Sc. (| Lab. Instructor | NIL | 36 yrs.+ | NIL |
| Dr. K. Maiti | M.Sc., PhD | CWT, Govt. Approved | Fishery/Envir onmental | 16 yrs.+ | NIL |
| Dr. T. Jana | M.Sc.,PhD. | CWT, Govt. Approved | Fishery/Nemat ode | 6yrs. | NIL |
| Dr. T. Das | M.Sc.,PhD. | CWT, Govt. Approved | Fishery/ stress Physiology & | 6yrs. | NIL |
| Dr. M. Duary | M.Sc.,PhD. | PTT ,Govt. Approved | Fishery/Soil Ecology | 15 yrs. | NIL |
| P. Pramalick | M.Sc | PTT ,Govt. Approved | Ecology | 11yrs. | NIL |
| M. Mukherjee | M.Sc | PTT ,Govt. Approved | Fishery/ Cell Biology in | 8yrs. | NIL |

11. List of senior visiting faculty:

Prof.T.Bhattacharya, Former Professor, Dept. of Zoology, V.U.

Dr.M. S. Ghosal, Ex-Reader, Dept. of Physiology, Presidency College, Kolkata.

Dr. K.Mishra, Ex-Reader, Dept. of Zoology, Naihati R.B.College.

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty.: B.Sc.- 30%(Both Theory & Practical) M.Sc.- 0%

13. Student -Teacher Ratio (programme wise): B.Sc.- 10:1; M.Sc.-4:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled :NIL

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.: PhD.- 07; PG-03

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

| Name of the Investigator | Title of the project and duration | Amount Sanctioned/ completed/ ongoing | Funding Agency |
|--|--|---------------------------------------|-------------------------|
| Dr. P. P.Chakravorty (PI), Dr. R. Dasgupta & Dr.T. Das (Co PI) | Studies on the usefulness of some- - pollution in agro ecosystem | Rs. 9,86,000/- ongoing | UGC |
| Dr.A.Chanda | Small indigenous fish---- Paschim Medinipur | Rs. 9,35,800/- ongoing | UGC |
| Dr.R.Dasgupta | Studies on the usefulness of selected species of epigeic earthworm in of pesticide - -- under laboratory conditions. | Rs. 1,98,600/- ongoing | UGC |
| Dr.R.Dasgupta (PI) | Effect of phytosterol--- hypolipidemic rats | Rs.3,29,600/- ongoing | DST- DISHA (SORF) |

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : DST FIST-Rs.22,40,000/-; DBT STAR College Programme – Rs. 8,00,000/-

18. Research Centre /facility recognized by the University: Research facility is there.

19. Publications:

a) Publication per faculty(2012- 2015)

Dr.P.P.Chakravorty- 10
Dr.R.Dasgupta – 07

Dr.A.Chanda-13

Dr.T.Das-01

* Number of papers published in peer reviewed journals (national / international) by faculty and students

List of publication 2012-2015 (Faculty)

1. Dasgupta, R, Chakravorty, P.P. and Kaviraj,A. (2012) Effects of carbaryl, chlorpyrifos and endosulfan on growth , reproduction and respiration of tropical epigeic earthworm, *Perionyx excavates* (errier. J. Environmental Science and Health , Part B , 47: 1-5. Impact factor 1.21 (2013).

2. Kaviraj, A., Dasgupta, R., and Chakravorty, P.P. (2012) Ecotoxicological risk assessment of three insecticides using an epigeic earthworm . Environmental Science and Technology, Vol. 1 George Sorial and Jihua Hong , Eds. American Science Press , Houston, USA PP1-604, ISBN : 9780976885351.
3. Chakravorty, P.P. (2012). Colonization and feeding preference of perionyx excavates, an epigeic earthworms with respect to nutrient and antinutrient content of different leaf litters under controlled laboratory conditions. J Ecosyst Ecogr 2:4 <http://dx.doi.org/10.4172/2157-7625.SI.002> 29.
4. Pattanayak, S., Dasgupta, R., Chakravorty, P.P., and Chakraborty, S.K. (2014). Degradation of leaf litter of five tree species by Perionyx excavates with relation to their nutrient and antinutrient content. Agriculture, Forestry and Fisheries, SPG, 3(2): 128-132. ISSN: 2328-563X
5. Chakravorty, P.P., Sinha, M. And Chakraborty, S.K. (2014). Impact of industrial effluent in water quality and benthic macro invertebrate diversity in fresh water ponds in Midnapore district of West Bengal, India. JEZS, 2(2): 93-101. ISSN : 2320-7078.
6. Pattanayak, S., Dasgupta, R., Chakravorty, P.P., Chakraborty, S.K. (2014) Changes in Growth Rate and Activities of α Amylase and Cellulase of P. Excavates, an Epigeic Earthworm in Decomposing Leaf Litter of Five Tree Species. The IJST, 2(11) : 68-71, ISSN : 2321-919X, Impact Factor- 0.675
7. Sanyal, S., Dasgupta, R., Kaviraj, A. and Chakravorty, P.P. (2015) Comparative toxicity studies of four pesticides on the epigeic earthworm Perionyx excavates in two different soil media. Pollution Research, 34 (1): 47-51. ISSN 0257-8050
8. Sinha, M., Chakraborty, S.K. and Chakravorty, P.P. (2015) Effect of industrial effluents from Iron and Steel company on benthic macroinvertebrate communities of fresh water ponds in India. The IJST, 3(1) : 81-91, ISSN : 2321-919X, Impact Factor- 0.675
9. Chakravorty, P.P., Haque, A., Sanyal, S. And Dasgupta, R. (2015) Effect of herbicides on Cyphoderus javanus (Hexapoda: Collembola) under laboratory conditions. JEZS, 3(1):220-223. ISSN : 2320-7078.
10. Chanda, A. (2014a). First Record of Two Australian Species : One under Metapenaeopsis and Another under Metapenaeus from Indian Water, Their Diagnosis and Distribution. J. Ento. Zoo. Studies 2(4) : 18-20.
11. Chanda, A. (2014b). Telson spin is a variable diagnostic feature in Metapenaeus dobsoni (M. Edwards, 1837). Int. J. Sc. Tech. 2(4):220-223.
12. Chanda, A. & Bhattacharya, T. (2014). A systematic study on Indian records of Atypopenaeus Alcock, 1905 with special reference to extended distribution of Atypopenaeus stenodactylus (Stimpson, 1860). Int. J. Sc. Tech. 2(5): 11-14.
13. Chanda, A (2014c). A systematic study on prawns (Crustacea: Decapoda: Caridea: Palaemonidea: Palaemonidae) in riverine system of Paschim Medinipur, West Bengal. Int. J. Sc. Tech. 2(5): 366-373.
14. Chanda, A. (2014d). a new locality record of indian chemelion chamaeleo zeylanicus laurenti, 1768 (reptilia: chamaeleonidae) from paschim medinipur, west bengal, india. Int. J. Sc. Tech. 2(6): 206-208.

15. Chanda, A.(2014e). A systematic study on genus *Metapenaeus* Wood-Mason, 1891 with special reference to extended distribution of four species from Indian water. *International Journal of Fisheries and Aquatic Studies*; 2(1): 05-16.
 16. Chanda, A. & Bhattacharya, T. (2014f). A systematic study on Indian record of the genus *Trachysalambria* Burkenroad, 1934. *International Journal of Fisheries and Aquatic Studies*; 2(1): 219-222.
 17. Chanda, A.(2014g). Revision to the diagnostic characters of *Trachypenaeopsis minicoyensis* Thomas,1972. *Int. J. Sc. Tech.Res.* 3(8): 369-370.
 18. Paul, B. and Chanda, A. (2014). Indigenous Ornamental Fish Faunal Diversity in Paschim Medinipur, West Bengal, India. *Int. Res. J. Biological Sci.* 3(6): 94-100.
 19. Chanda, A. (2014f). Quantitative Estimation Of Dissolved Oxygen In Water: A new approach to the calculation methodology of Winklar's Method. *International Journal of Current Research.* 6(10): 9079—9080.
 20. Chanda, A. (2015). A study on the Indian records of the species under genus *Megokris* Perez Farfante & Kensley, 1997. *International Journal of Current Research.* 7(4): 14920-14923.
 21. Paul, B. and Chanda, A. (2015). A New Locality Record of a Freshwater Fish *Brachyamblyopus brachysoma* Bleeker, 1854 (Family: Gobiidae) from Paschim Medinipur, West Bengal, India. *International Journal of Fisheries and Aquatic Studies* ; 2(5): 370-371.
 22. Chanda, A. (2015). Indian records of the Genus *Metapenaeopsis* Bouvier, 1905 with special reference to extended distribution of two species. *International Journal of Fisheries and Aquatic Studies* ; 2(6): 265-273.
 23. Chanda, A. (2015). —A revision to the first record of the genus *Miyadiella* Kubo, 1949 from Indian water. *International Journal of Current Research*; 7(7): 18272-18275.
 24. T. Das., N. P. Sahu., S. K. Chakraborty., N. Chatterjee., M. S. Mohammed., R. S. Dalvi., K. Baruah., A. K. Pal (2014). Ultrastructural Alterations in the Gills of *Labeo rohita* Fingerlings Exposed to Thermal Extremes. *Animalia, Histologia, Embryologia.* 43: 75-80.
- b) 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

Chapter in Books

Books Edited Dr.A.Chanda-03

Books with ISBN/ISSN numbers with details of publishers: 04

Citation Index : 85

SNIP

SJR

Impact factor: 08

h-index: 05

20.Areas of consultancy and income generated: NIL

21.Faculty as members in

- a)National committees
- b) International Committees
- c) Editorial Boards

Dr.P.P.Chakravorty:

- 1. Life Member Society of Soil Biology & Ecology, Bangalore.
- 2. Life Member National Environmental science academy, New Delhi
- 3. Life Member Physiological society of India, Kolkata
- 4. Life Member Zoological society of India, Kolkata.
- 5. Member Society for Conservation of Biology, Baltimore, Maryland, USA
- 6. Member of ISEIS (International Society for Environmental Information sciences), Canada.
- 7. Life Member The Academy of Environmental Biology, ITRC, Lucknow.
- 8. Member International Society of Tropical Ecology, JNU
- 9. Reviewer in many Research Journals of International Standard like International Journal of Fisheries & Aquaculture; International Research Journal of Agricultural Science & Soil Science.
- 10. Member of Editorial Board – Journal of Entomology and Zoology Studies.

Dr.Rupa Dasgupta

- 1. Life Member Society of Soil Biology & Ecology, Bangalore.
- 2. Life Member Zoological society of India, Kolkata.

Dr.A.Chanda

- 1. Life Member Zoological society of India, Kolkata.

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme: PG Students are doing their research project under the guidance of Departmental faculty in house.
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies NIL

23. Awards / Recognitions received by faculty and students

Dr.P.P.Chakravorty:

- 1. Environmentalist Award in the field of Ecology from National Environmental Science Academy, New Delhi, 2013
- 2. Fellow of the Zoological Society, Kolkata 2014
- 3. Fellow of the International Congress of Entomology and Zoology Studies, New Delhi, 2014.

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

- a. P.K. Mukhopadhyay, Former Principal Scientist CIFA ICAR-
- b. Dr. U. K. Laha Officer-in-Charge, WBCADC, Tamluk Project, Purba Medinipur, West Bengal
- c. Prof. J. Dandapath Dept. of Biotechnology, Utkal University, Odhisa
- d. Prof. Basanta Agarwala, Pro vice Chancellor, Tripura Unoversity

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

- a) National

| Seminar | Date | Speaker |
|---|--|--|
| Hands on Training Programme on Aquaculture Technology And Management sponsored by DBT | 21 st -22 nd January, 2015 | Dr. P.K Mukhopadhyay Former Principal Scientist CIFA, ICAR. Dr. U.K Laha, OC WBCADC.Tamluk Project, Purba Medinipur, West Bengal. |
| Seminar on Cell Mediated Immuno Response | 26 th February, 2015 | Prof. J. Dandapath. Dept. of Biotechnology, Utkal University, Odhisa. |

26. Student profile programme/course wise:

| Name of the Course/programme (refer question no. 4) | Applications received | Selected | Enrolled | | Pass percentage |
|---|-----------------------|----------|----------|----|-----------------|
| | | | *M | *F | |
| 2011-2012 (UG) | 825 | 35 | - | 35 | 100% |
| 2010-2011(UG) | 900 | 30 | - | 30 | 98% |
| 2009-2010 (UG) | 675 | 30 | - | 30 | 100% |
| 2008-2009 (UG) | 690 | 30 | - | 30 | 96% |
| 2012-2013 (PG) | N.A | 24 | - | 24 | 100% |
| 2011-2012 (PG) | N.A | 24 | - | 24 | 100% |
| 2010-2011(PG) | N.A | 22 | - | 22 | 100% |
| 2009-2010 (PG) | N.A | 22 | - | 22 | 100% |

*M = Male *F = Female

27. Diversity of Students

| Name of the Course | % of students from the same state | % of students from other States | % of students from abroad |
|--------------------|-----------------------------------|---------------------------------|---------------------------|
| BSc-Hons. | 99 | 01 | 0 |
| MSc. | 99 | 01 | 0 |

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? 01 (Qualified GATE)

29. Student progression

| Student progression | Against % enrolled |
|----------------------------------|--------------------|
| UG to PG | 80 |
| PG to M.Phil. | nil |
| PG to Ph.D. | 10 |
| Ph.D. to Post-Doctoral | nil |
| Employed | |
| • Campus selection | 0.5% |
| • Other than campus recruitment | 2% |
| Entrepreneurship/Self-employment | 10% |

30. Details of Infrastructural facilities

- a) Central Library : 800
Seminar Library-306
- b) Internet facilities for Staff & Students : Yes
- c) Class rooms with ICT : Yes, 03
- d) Laboratories 07

31. Number of students receiving financial assistance from college, university, government or other agencies : 10/ year

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts : Dept. have got DST FIST & DBT STAR COLLEGE Scheme and under these scheme dept. have organize spl. Lecture, workshop, seminar to enrich the students in both UG and PG level.

33. Teaching methods adopted to improve student learning

a. Audio visual aids .

b. Demonstration in laboratories.

c. Involving students in Field trips, study tour and project work.

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

Faculty are directly involved in various Institutional activities like member of the different sub committee, field work etc.

35. SWOC analysis of the department and Future plans

| | |
|--------------|--|
| Strength: | <ul style="list-style-type: none"> a. Well equipped class rooms with audio visual aids and smart classes. b. Well equipped laboratories. c. Dedicated Six full time faculty members and Four Visiting Faculty along with Three Part Time Teachers & Two Guest Teachers in the Dept. |
| Weakness: | <ul style="list-style-type: none"> a. Considering the fact that Dept. has both UG & PG courses, there is lack of adequate manpower and space. b. Huge workload as Semester systems involve continuous evaluation process, this results in lack of time of up-gradation of faculty. |
| Opportunity: | Opening of Job oriented training programmes related to the core subject area like fishery, vermiculture, sericulture, poultry, lac culture. |
| Challenge: | <ul style="list-style-type: none"> a. To ensure that our students are well equipped to face the job market, competent to clear All India level entrance examinations and have research aptitude. <p>Future Plans :</p> <ul style="list-style-type: none"> b. To have a separate infrastructure for PG section. c. To procure more research projects so that the departmental students can also get involved as scholar. |
| Future Plan | To open more vocational courses related to Zoology |
| | |

Evaluative Report of the Department

BOTANY

| | |
|---|--|
| 1. Names of the Department: | Department of Botany |
| 2. Year of Establishment: | B.Sc. General 27 th July 1961 B.Sc. (Hons.) 1988 |
| 3. Name of courses offered: | Under Graduate (UG)- B.Sc (Honours and General) |
| 4. Names of interdisciplinary courses and the departments: | UG- Environmental science |
| 5. Annual credit system/semester/? | Annual |
| 6. Participation of the departments in the courses offered by other departments: | Nil |
| 7. Courses in collaboration with other universities, industries, foreign institution: | Nil |
| 8. Details courses discontinued (if any): | Nil |

9. Number of teaching posts :Teaching; 4

| | Sanctioned | Filled |
|-----------------------------|--------------------|-------------------------|
| Professors | | |
| Associate Professors | No sanctioned post | 2 (on lien) through CAS |
| Asst. Professors | 04 | Nil |

10. Faculty profile with name etc.

| Name | Qualification | Designation | Specialization | Experience (Yrs.) | No. of Ph.D Students guided for last 4 yrs. |
|----------------------------|---|------------------------------|------------------------------|-------------------|---|
| Dulal Das | M.Sc. Ph.D | Associated Prof, HOD on lien | Plant physiology and Ecology | 19 | Nil |
| Debasree Gupta | M.Sc. Ph.D | Associated Prof, on lien | Microbiology | 17 | Nil |
| Ruma Hajra | M.Sc., B.Ed, M.Phill (Ph.D. Thesis submitted) | Govt. Approved PTT | Taxonomy and Ecology | 20 | Nil |
| Sudipta Kumar Maiti | M.Sc., B.Ed, Ph.D. | Govt. Approved PTT | Microbiology | 11 | Nil |
| Mr. Subrata Adak | M.Sc | Guest Teacher | Taxonomy | 2 | Nil |
| Mr. Budhadev Maiti | M.Sc | Guest Teacher | Microbiology | 2 | Nil |
| Sm. Sreyasi Dutta | M.Sc | Guest Teacher | Taxonomy | 1 | Nil |
| Mr. Subhadeep Ghosh | M.Sc | Guest Teacher | Microbiology | 1 | Nil |

11. List of senior visiting Faculty : Dr. Rekha Ghosh

12. Percentage of Lecturers delivered and practical classes handled by temporary faculty (Programme wise) per week

| Name | Hons. Theo. | Hons. Prac. | Gen. Theo. | Gen. Prac. | Total |
|------------------------------|-------------|-------------|------------|------------|-------|
| Dr. Rekha Ghosh | 08 | 06 | nil | nil | 14 |
| Sm. Ruma Hajra | 08 | 02 | nil | nil | 10 |
| Dr. Sudipta Kr. Maiti | 08 | 02 | nil | nil | 10 |
| Mr. Subrata Adak | 02 | nil | 03 | 06 | 11 |
| Mr. Budhadev Maiti | 02 | nil | 03 | 06 | 10 |
| Sm. Sreyasi Dutta | 02 | nil | 03 | 06 | 11 |
| Mr. Subhadeep Ghosh | 02 | nil | 03 | 05 | 10 |

13. Student teacher Ratio (Programme wise): 99:7 (Honours)

14. No. of academic support staff (tech.) and administrative staff, sanctioned and filled

Technical (Sanctioned): 04 Filled: 02 (01-temporary)

15. Qualification of teaching faculty : Ph. D-04 M. Phil. -01 PG-04

16. No. of faculty with ongoing projects from a) National, b) International funding agencies and grants received
17. Departmental projects funded by DST-FGIST; UGC; DBT, ICSSR etc and total grand received

DST FIST-Rs.22,40000/-; DBT STAR College Programme – Rs. 8,00,000/-

18. Research centre/ Facility recognized by the university:Nil
19. Publications

Dr. Dulal C. Das

| Sl. No. | Title of the Paper | Name & Vol. of Journal & Year | Page No. | ISSN No. |
|---------|--|--|----------|-----------|
| 1 | Seedling morphology in identification of some timber yielding forest trees from PaschimMedinipur District of West Bengal,India | Phytotaxonomy . Vol.12 2012. | 89-97 | 0972-4206 |
| 2 | Seedling morphology of a coastal species, Canavalielineata (Thunb.) DC.(Leguminosae) | In: Some aspects of coastal vegetation in India including Andamans and Sundarbans.2012 | 105-108 | |
| .3 | Nutritional Status of 2-6 year old children of Kankabatigrampanchayat, PaschimMedinipur district, West Bengal, India | Sri Lanka Journal of Child Health. Vol.41(2), 2012 | 60-64 | 1391-5452 |
| 4 | Comparative growth analysis of Callistephuschinensis L. using vermicompost and chemical fertilizer. | International Journal of Bioassays .vol.2(2),2013. | 398-402 | 2278-778x |
| .5 | The use of medicinal plants for the treatment of Gonorrhoea and Syphilis in South West Bengal of India. | Int J Phytomed. Vol.5(1),2013. | 14-17 | 0975-0185 |
| .6 | Antibacterial activity and Phytochemical analysis of CardantheradiformisDruce leaf extracts from West Bengal,India. | Int J Phytomed. 2013. 5(4) | 446-451 | 0975-0185 |

| | | | | |
|----|---|---|-----------|-----------|
| 7 | Investigation of the Antibacterial and Antifungal activity of <i>Cardanthera difformis</i> Druce whole plant extracts against some clinical pathogens. | International Journal of Bioassays. 2014; 3(11) | 3464-3468 | 2278-778x |
| 8 | The use of Medicinal plants for the treatment of Gynaecological disorders in the Eastern parts of India | Indian J ObstetGynaecol Res. 2015; 2(1) | 16-27 | 2394-2746 |
| 9 | Investigation of Ethno Medicinal plants for the treatment of carbuncles from the Purulia district of West Bengal | International Journal of Bioassays. 2015; 4(5) | | 2278-778x |
| 10 | Study of the Tidal vegetation of PurbaMedinipur district of West Bengal, India | International Journal of Bioassays. 2015; 4(5) | | 2278-778x |
| 11 | Analysis of phytochemical profile of <i>Cardanthera difformis</i> Druce whole plant extract with antibacterial properties | Int J Recent Scientific Res. 2015; 6(6) | 4564-4567 | 0976-3031 |
| 12 | Investigation of antioxidant properties of <i>Cardanthera difformis</i> Druce whole plant extract | Indian J Applied Res. 2015; 5(7) | 160-163 | 2249-555x |
| 13 | Allelotoxic effects of <i>Parthenium hysterophorus</i> L. leaf aqueous extract on cytomorphological behaviour of <i>Allium cepa</i> L. and <i>Lens esculenta</i> Moench | Int J Bioassays. 2015; 4(8) | 4212-4218 | 2278-778x |
| 14 | Study of the diversity and sustenance of Mangrove biota of the coastal belt of PurbaMedinipur district of West Bengal | Int J Bioassays. 2015; 4(6) | 4025-4035 | 2278-778x |

| | | | | |
|----|---|---|-----------|---|
| 15 | Study of eco-floristic diversity of Haripur (PurbaMedinipur District), West Bengal: A proposed site for nuclear power plant | Int J Bioassays. 2015; 4(8) | 4189-4198 | 2278-778x |
| 16 | Investigation of herbals for the treatment of leucorrhoea from south West Bengal, India. | <i>International Journal of Bioassays.</i> 2015; 4(11). | 4555-4559 | 2278-778X |
| 17 | Sexual Abuse and Murder of a Minor Girl: A Case Study. | Indian Journal of Forensic and Community Medicine, 2015;2(4). | 251-254 | 2394-6768 (Print) 2394-6776 (Online) |

Smt. Ruma Hajra

- ❖ Maiti, S.K, T.K.Mishra, R. Hajra and A. Mallick (2015). Ecorestoration through Phyto-ecological study of Barjora Forest in Bankura district of West Bengal, India. *Ecorestoration*, Dept. of Zoology, Belda College, West Bengal.

Dr. Sudipta Kr. Maiti

International

Maiti, S.K., S. Saha, S. Adhikary, A. Mukhopadhyay and T. Saha (2014) Seasonal Variation of Phytoplankton Diversity in Relation to Eutrophication of Mathura Beel, a floodplain Lake in West Bengal, India. *Asian Journal of Water, Environment and Pollution*, Vol. **11(2)**, 37-44.

National

- Maiti, S.K., S. Saha and T.Saha (2012), Planktonic diversity of river Bidyadhari during high and low tides near MalanchaGhat in West Bengal,India, *Phytotaxonomy*, 3:(XII), 66-69.
- Maiti, S.K., S. Saha and T. Saha (2013), Phytoplankton (Algae) of Sewage canal originating from Kolkata city and passing through East Kolkata wetlands, a Ramsar site, West Bengal, India.*Phytotaxonomy*, Vol. **13**, 40-45.
- Maiti, S.K., S. Saha, S. Adhikary, A. Mukhopadhaya and T. Saha (2014). Seasonal Variation of Phytoplankton Diversity in Relation to Eutrophication of Mathura Beel, a floodplain Lake in West Bengal, India. *Asian Journal of Water, Environment and Pollution*, Vol. II, No. 2,pp-37-44.

Conference Papers – Full Records are not available only last two

- Sen, A, S. Saha, S.K.Maiti and T. Saha (2014). A study of planktonic communities along the Bidyadhari river stretch of the Raimangal estuary of West Bengal, India. *Proceedings of the National Conference on Biodiversity - Issues, Concern & Future Strategies*. West Bengal Biodiversity Board, West Bengal. pp: 49-53.

- Maiti, S.K, T.K.Mishra, R. Hajra and A. Mallick (2015). Eco restoration through Phyto-ecological study of Barjora Forest in Bankura district of West Bengal, India. *Eco restoration*, Dept. of Zoology, Belda College, West Bengal.
- Maiti, S.K and A. Mallick (2015). Eco restoration through Phyto-ecological study of Barjora Forest in Bankura district of West Bengal, India. *Eco restoration*, Dept. of Zoology, Belda College, West Bengal.

20. Areas of consultancy and income generated : NIL
21. Faculty as members in a) National committees, b) International Committees, c) Editorial boards etc. : NIL
22. Student Projects: NIL
23. Awards received by faculty and students : NIL
24. List of eminent academicians and scientist to department : NIL
25. Seminars organized & source of funding) National b) international:
National: 05, 1. UGC, Rs.80,000/-(2012), 4. DBT, Rs.25,000/-,
26. Student profile programme wise

| Name of the programme | Application received | selected | Enrolled | Percentage |
|-----------------------|----------------------|----------|----------|------------|
| B.Sc. (Hons.) | 250 | 61 | 60 | 99.30% |

27. Diversity of students: 100% (State)
28. How many students have cleared national and state competitive exam.
29. Students progression

| Students progression | Against % enrolled |
|----------------------------------|--------------------|
| UG to PG | 50% |
| PG to M.Phil. | NA |
| PG to Ph.D | NA |
| Ph.D to Post Doctoral | NA |
| Employed | |
| • Campus selection | 0.5% |
| • Other than campus recruitment | - |
| Entrepreneurship/self employment | - |
| | |

30. Details of infrastructural facilities

a) Infrastructure:

| | | |
|-------------------------------|---|-----------|
| No. of Lecture Theatre | : | 04 |
| No. of Laboratories | : | 04 |
| Museum | : | Available |
| Departmental Seminar library: | | 185 |
| Journal Subscribed | : | 03 |
| Computers | : | 05 |
| Internet Facilities | : | Available |
| Printer | : | 02 |

b) Instrumentation

| | | |
|-----------------------------------|---|----|
| 1. Rotary Microtone | | 2 |
| 2. Research Microscope | : | 4 |
| 3. Epidiascope | | 1 |
| 4. Digital pH meter | : | 1 |
| 5. Digital weighing machine | : | 1 |
| 6. OHP | : | 3 |
| 7. Autoclave | : | 1 |
| 8. Incubator | : | 1 |
| 9. Drying and Sterilization oven | : | 1 |
| 10. Compound Microscope | : | 54 |
| 11. Simple Microscope | : | 30 |
| 12. Cyclo mixer | : | 1 |
| 13. Double demonstration Eyepiece | | 1 |
| 14. Camera lucida | : | 30 |
| 15. Electric Hot Plate | : | 1 |
| 16. Ocular Micrometer | : | 15 |
| 17. Stage Micrometer | : | 23 |
| 18. Computer | : | 2 |
| 19. Canon Digital Camera | : | 1 |
| 20. Macdugal Respiroscope | : | 2 |
| 21. Distillation Plant | : | 1 |
| 22. OHP Screen with tripod stand: | | 1 |
| 23. Pan balance | : | 1 |
| 24. Stopwatch | : | 2 |
| 25. SLR Camera | : | 1 |
| 26. Plant press | : | 1 |
| 27. Herbarium | : | 1 |

31. Number of students receiving financial assistance from college and other agencies: 10%

32.Details of students' enrichment programme: Participation of the students to visit the BSI, Agricultural Farms, Nurseries etc.

33. Teaching methods adopted to improve students learning: Audio-Visual Aids

34. Participation in institutional social responsibility (ISR) and extension activities: NSS and NCC

35. SWOC analysis of the department and future plans:

| | |
|--------------|--|
| Strength: | Well equipped Practical Laboratories, Computers with Internet Facilities. |
| Weakness: | There are no Full Time faculties and GLI. Opening of vocational course in mushroom technology. |
| Opportunity: | To develop medicinal gardens, Herbal gardens for Local Tribal, cultivation of Mushroom, production of Bio-fertilizers. |
| Future plan: | |

Evaluative Report of the Department

Physiology

| | |
|---|---|
| 1.Name of the department: | PHYSIOLOGY |
| 2.Year of Establishment: | 1961 |
| 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): | UG- BSC (Honours and General) |
| 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: | Dept. of PHYSIOLOGY is involved in teaching process with the dept. of Nutrition, Microbiology and Zoology. Combined practical classes are organized by the dept. of Physiology. |
| 7.Courses in collaboration with other universities, industries, foreign institutions, etc.: | Nil |
| 8.Details of courses/programmes discontinued (if any) with reasons: | Nil |

9. Number of teaching posts

| | Sanctioned | Filled |
|----------------------|------------|------------------------|
| Professors | Nil | Nil |
| Associate Professors | 01 | 01 (Through promotion) |
| Asst. Professors | 02 | 01 |

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

| Name | Qualification | Designation | Specialization | No. of Years of Experience | No. of Ph.D. Students guided for the last 4 years |
|---------------------------------|---------------|--------------------------|--|----------------------------|---|
| Dr. Dilip Kumar Nandi | M.Sc, Ph.D | Associate Professor, HOD | Nutrition | 27+ Yrs UG 11+ Yrs PG | 09 |
| Dr. Tanushree Tulsian (Samanta) | M.Sc, Ph.D | Assistant Professor | Microbiology & Immunology | 08+ Yrs UG 08+ Yrs PG | 01 |
| Dr. Goutam Dutta | M.Sc, Ph.D | Govt. Approved PTT | Neurophysiology | 7+ Yrs UG | Nil |
| Prof. Madhumita Pandey | M.Sc, M.Phil | Govt. Approved PTT | Immunology and Microbiology | 15+ Yrs UG | Nil |
| Prof. Jhuma Bhattacharya | M.Sc | Govt. Approved PTT | Endocrinology with Reproductive Physiology | 13+ Yrs UG | Nil |
| Prof. Mousumi Chakraborty | M.Sc | Govt. Approved PTT | Sports & Ergonomics | 7+ yrs UG | Nil |
| Prof Nilufar Yasmin | M.Sc, B.Ed | Govt. Approved PTT | Immunology and Microbiology | 7+ Yrs UG | Nil |
| Prof Soumen Paul | M.Sc, B.ed | Guest teacher | Immunology and Microbiology | 01 Years | Nil |

11. List of senior visiting faculty:

- **Prof. Tushar Kanti Ghosh, University of Calcutta.**
- **Prof. Prakash Chandra Dhara, Vidyasagar University.**
- **Prof. Chandradipa Ghosh, Vidyasagar University.**
- **Prof. Nihar Ranjan jana, National Brain Research Centre New Delhi**

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

Total No. of Classes: 96

Theory and practical classes by Guest teacher: 09 (9.375%)

13. Student -Teacher Ratio (programme wise):

For Hons : 17:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

No of non teaching staff: 03 (one deputed from hostel)

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:

- 1. Dr. Dilip Kumar Nandi, M.Sc, Ph.D**
- 2. Dr. Tanushree Tulsian (Samanta), M.Sc, Ph.D**
- 3. Dr. Goutam Dutta, M.Sc, Ph.D**
- 4. Prof. Madhumita Pandey, M.Sc, M.Phil**

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

| Name of the faculty | Name of the Project | National/ international |
|-----------------------|---|----------------------------|
| Dr. Dilip Kumar Nandi | 1. Effect of probiotics on experimentally induced uremic male rats. | UGC DST DRDO |
| | 2. Effect of root extract of Asparagus racemosus on experimentally induced uremic rats. | |
| | 3. Effect of Lipoic Acid on acetaminophen and CCl ₄ induced uremic rats. | |
| | 4. Effect of bark extract of Terminalia arjuna on dehydration induced oxidative stress & uremia in male albino rats | |
| | 5. Analysis of the intestinal lactic acid bacterial communities of human at high altitude condition and probiotic | |

| | | |
|--------------------------------|---|--|
| | <p>supplementation for improvement of health and renal profiles.</p> <p>6. Effect of phytosterol extract from sesame seed and pumpkin seed on experimentally induced hyperlipidemic rats.</p> | |
| Dr. Tanushree Tulsian(Samanta) | <p>1. Evaluation of insecticidal properties of crystal proteins from some newstrains of <i>Bacillus thuringiensis</i></p> <p>2. Characterization of gut microflora of <i>Perionyx</i> sp and <i>Eisenia</i> sp after exposure to pesticides and metals.</p> | <p>DST(National)</p> <p>UGC(Minor) National</p> |

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

| Funded by | Amounts in RS. |
|--------------|----------------|
| DST-FIST | 6.52 Lakh |
| UGC-CPE, BSR | 16.90 Lakh |
| DBT | 6.00 Lakh |

18. Research Centre /facility recognized by the University: Well developed research infrastructure with number of research projects and scholars.

19. Publications:

Dr. Dilip Kumar Nandi:

National and International Publications in peer reviewed journals:

1. Das K, **Nandi D**. Reno-protective effect of bark extract of *Terminalia arjuna* on dehydration induced uremia of rat. Indian Journal of Physiology and Allied Sciences. 2011;65(2):43-58. ISSN:0367-8360.
2. Maiti S, Patra S, **Nandi D**, Bandyopadhyay B, Mandl K C and Pati BR. Tuberculosis: studies on role of gender, age and drug addiction in eastern part of India. SAARC J TUBER DIS.HIV/AIDS 2010 Vii(2) 1-9. **(Impact Factor 0.81/12)**
3. Mandal A, Das K and **Nandi D**. *In vitro* Bioactivity Study of Bark Extract of *Terminelia arjuna* on Probiotics, Commercially Available Probiotic Formulation. International Journal of Phytopharmacology. 2010; 1(2): 1-5. . **(Impact Factor 1.02/14)**
4. Bhattacharya J, Mandal A, Das K and **Nandi D**. Effect of Root Extract of *Withania sominifera* on Probiotics, *In vitro*. International Journal of Innovative Pharmaceutical Research. 2011;2(1):74-76.

5. Mandal A, **Nandi DK**, Roy S, Das K, Mondal KC, In Vivo Assessment Of Bacteriotherapy On Acetaminophen Induced Uremic Rats. Journal of Nephrology, 2013; 26(1): 228-236. doi.10.5301/jn.500129. (**Impact Factor 2.02/14**)
6. Mandal A, Paul T, Roy S, Mandal S, Pradhan S, Mandal KC and **Nandi D**. Effect Of Newly Isolated Lactobacillus Ingluviei ADK10 From The Intestinal Tract Of Chicken. Indian Journal of Experimental Biology. 2013, 51.170-180. (**Impact Factor 1.19/14**)
7. Pradhan S, Mandal S, Roy S, Mandal A, Das K and **Nandi DK**. Attenuation Of Uremia By Orally Feeding Alpha –Lipoic Acid On Acetaminophen Induced Uremic Male Rats. Saudi Pharmaceutical Journal. 2013, 21, 187–192. (**Impact Factor 0.95/14**).
8. Roy S, Das K, Mandal A, Mandal S, Pradhan S, **Nandi D**. Crude extract from root of *Asparagus racemosus* ameliorates acetaminophen induced uremic rats. International Journal Of Pharmaceutical Science and Research. 2013, 4(8), 3004-12. (**Impact Factor 1.89/14**).
9. Mandal A, Roy S, Das K, Mandal S, Pradhan S, Mandal KC and **Nandi DK**. Assessment of antiuremic and antioxidative efficacy of newly established probiotic strain. e-SPEN Journal, 2013. 8(4); 155-163. (**Impact Factor 3.298/14**).
10. Mandal S, Patra A, Samanta A, Roy S, Mandal A, Pradhan S, Das K and **Nandi DK**. Analysis of phytochemical profile of *Terminalia arjuna* bark extract with antioxidative and antimicrobial properties. Asian Pacific Journal of Tropical Biomedicine. 2013; 3(12): 960-966.
11. Mandal A, Paul T, Roy S, Mandal S, Pradhan S, Das K, Mandal KC and **Nandi DK**. Therapeutic potential of Lactobacillus ingluviei ADK10, a newly established probiotic organism against acetaminophen induced uremic rats. Biologia. 2013, 68 (6):1072-1078.
12. Patra A, Mandal A, Roy S, Mandal S, Mandal KC, **Nandi DK**. Protective effect of selected urease positive lactobacillus strain on acetaminophen induced uremia in rats. Biomedicine and preventive nutrition. 2014; 4(2): 271-276.
13. Patra A, Mandal A, Samanta A, Roy S, Mandal S, Pradhan S, Das Mahapatra T, Mondal KC and **Nandi DK**. Therapeutic potential effect of Streptococcus thermophilus (MTCC 1938) on acetaminophen induced uremic male rats. Indian Journal of Biotechnology. 2014, 13; 318-323. (**Impact factor- 0.477/14**).
14. Roy S, Das K, Mandal S, Pradhan S, Patra A, Samanta A, Mandal A, Kar S and **Nandi DK**. *Asparagus Racemosus* Roots Ameliorates Acetaminophen Induced Hepatotoxicity in Rats: An Experimental, Biochemical and Histological Study. International journal of recent scientific research. 2014, 5(6), 1192-1197. (**Impact Factor- 3.08/14**).
15. Mandal A, Patra A, Mandal S, Roy S, Mahapatra SD, Mahapatra TD, Paul T, Das K, Mondal KC, **Nandi DK**. Therapeutic potential of different commercially available synbiotic on acetaminophen induced uremic rats. Clinical and experimental nephrology. 2015,19(2): 168-177. (**Impact Factor- 1.246/14**).
16. Roy S, Das K, Mandal S, Pradhan S, Patra A, Samanta A, Sinha BD, Kar S and **Nandi DK**. Phytochemical analysis, antimicrobial activity and assessment of potential compounds by thin layer chromatography of ethanol fraction of *Asparagus racemosus* roots. International journal of pharmacy and pharmaceutical sciences, 2014, 6(8); 367-370. (**Impact Factor- 1.59/14**)

17. Samanta A, Mandal A, Patra A, Mandal S, Roy S, Pradhan S, Das K & **Nandi DK**. Impact of probiotic supplementation on intestinal microflora of rat under environmental hypobaric pressure. International journal of current microbiology and applied sciences. 2014; 3(8), 282-291. (**Impact Factor- 1.59/12**).
18. Pradhan S, Roy S, Mandal S, Samanta A, Patra A, Das K, Das S & **Nandi DK**. Alpha-lipoic acid a cholesterol reducer for targeting acetaminophen induced uremic male albino rat models. International Journal of pharmaceutical sciences review & research. 2014, 29(1), 62-66. (**Impact factor- 2.19**).
19. Samanta A, Pradhan S, Mandal A, Patra A, Mandal S, Roy S, Kar S and **Nandi DK**. Effect of starter culture on development of curd(dahi) and their antagonistic property against some enteric pathogen. Indian journal of Microbiology research, 2015, 2(1); 30-39.

Dr. Tanushree Tulsian Samanta:

National and International Publications in peer reviewed journals:

1. **Samanta T.T.**, Das A. (2016) Isolation, identification and characterization of gut microflora of Perionyx excavates collected from Midnapore, West Bengal. J. Basic Microbial. 55, 1-8. (**Impact Factor- 1.395**)
2. Das A., **Samanta T.T.**, Kaviraj A. (2015). Morphological and biochemical characterization of four new *Bacillus thuringiensis* strains. International Journal of Current Research. 7(6), 17137-17143.
3. **Samanta T. T.**, Das A. (2015). Medicinal Plants on Acne inducing Bacteria. International journal of Phytomedicine. 7(3), 310-315. (**Impact Factor – 1.23**)
4. **Samanta T.T.**, Das A., Samanta P. (2014). Isolation and Characterization of *Xanthomonas oryzae* isolates from different regions of Midnapore district of West Bengal and their Ecofriendly management by some medicinal plant extracts. International Journal of Phytomedicine. 6 (1) 29-42. (**Impact Factor – 1.23**)

Dr. Goutam Dutta:

National and International Publications in peer reviewed journals:

1. **Dutta, G.**, Goswami, AR., Ghosh, T., 2013. Effects of stimulation of glutamate receptors in medial septum on some immune responses in rats. Brain Res. 1538, 116-125. ISSN: 0006-8993.
2. Sil, S., Goswami, A.R., **Dutta, G.**, Ghosh, T., 2013. Effects of naproxen on some immune responses in colchicine induced rat model of Alzheimer's disease. Neuroimmunomodulation, 21(6), 304-321. ISSN: 1021-7401.

3. Goswami, A.R., **Dutta, G.**, Ghosh, T., 2013. Effects of vitamin C on the hypobaric hypoxia induced immune changes in male rats. International Journal of Biometeorology, 58(9), 1961-1971. ISSN: 0020-7128.
4. Goswami, A.R., Mandal, N., **Dutta, G.**, Ghosh, T., 2012. Effects of naproxen on the hypobaric hypoxia-induced immune changes in male rats. Eur J Appl Physiol. 112, 3397-3407. ISSN: 1439-6319.
5. ah, S., **Dutta, G.**, Mandal, N., Goswami, A.R., Ghosh, T., 2012. Anticonvulsant effect of Marsilea quadrifolia Linn. on pentylenetetrazole induced seizure: a behavioral and EEG study in rats. Ethnopharmacol. 141(1):537-541. ISSN: 0378-8741.
6. **Dutta, G.**, Mondal, N., Goswami, A., Majumdar, D., Ghosh, T., 2011. Effects of electrolytic lesion of medial septum on some immune responses in rats. Neuroimmunomodulation. 18(4):232-239. ISSN: 1021-7401.\
7. Goswami, A.R., **Dutta, G.**, Ghosh, T., 2014. Effects of lesion of posterior part of cerebellar vermis and fastigial nuclei on some immune responses in male rats. Asian Journal of Biomedical and Pharmaceutical Sciences, 4(37), 38-43. ISSN: 2249 – 622X.
8. **Dutta, G.**, and Ghosh, T., 2011. Effects of stimulation of glutamatergic receptors in medial septum on power spectrum analysis of EEG in rats. Proc Zool Soc, 64(2), 109-116. ISSN: 0373-5893.

Books:

1. **Dutta** and Maity, 2014: Paribeshvidya. Maity Publication, Midnapore.
2. **Goutam Dutta**, 2011: Prasnouttere Paribeshvidya: Suggestion and Answer. Maity Publication, Midnapore.

20. Areas of consultancy and income generated: Dr. D. K. nandi has acted as a consultant for flowcytometry Solution Limited, Kolkata.

21. Faculty as members in

| Name of the faculty | Members of different committees |
|--|---|
| Dr. Dilip Kumar Nandi | PSI, ISCA, SAAP, FIPS, BRSI, NSI, St. John AA, Red Cross |
| Dr. Tanushree Tulsian (Samanta) | PSI, SAAP, FIPS, ISCA |
| Dr. Goutam Dutta | PSI, ISCA |
| Prof. Madhumita Pandey | PSI |
| Prof. Jhuma Bhattacharya | PSI |
| Prof. Mousumi Chakraborty | PSI |
| Prof Nilufar Yasmin | PSI |
| Prof. Soumen Paul | PSI |

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme: **100%**
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: **20%**

23. Awards / Recognitions received by faculty and students Teachers: Nil**Students:**

| Name of the students | Name of the Award | Year |
|--|--|-------------|
| Monalisha Karmakar | University 1 st class third | 2013 |
| Mousumi Mitra | University 1 st class second | 2014 |
| Mandira Kundu Purna Nandi | 3 rd prize, Youth Science Camp, Govt. of WB | 2014 |
| Aparna Mondal | University 1 st class 1 st | 2015 |
| Mandira Kundu Purna Nandi Arpita Mondal | 3 rd prize, National Seminar UG Poster competition | 2015 |

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

1. Prof. Sachhitananda Banerjee (University of Calcutta)
2. Prof. Ajoy Kumar Chatterjee (University of Calcutta)
3. Prof. Satipati Chatterjee (University of Calcutta)
4. Prof. Pratima Chatterjee (University of Calcutta)
5. Prof. Manjushree Bal (University of Calcutta)
6. Prof. Debjani Guha (University of Calcutta)
7. Prof. Debojyoti Das (Presidency University)
8. Prof. Tushar Kanti Ghosh (University of Calcutta)
9. Prof. Prakash Chandra Dhara (Vidyasagar University)
10. Prof. Amar Kumar Cahandra (University of Calcutta)
11. Prof. Ananta Kumar Ghosh (IIT, Kharagpur)
12. Prof. Mohitosh Mandal (IIT, Khargapur)
13. Prof. Utpala Chaterjee (Chittaranjan Cncer Reserch Institute)
14. Prof. Chandradipa Ghosh (Vidyasagar University)
15. Prof. Somnath Roy (Vidyasagar University)
16. Prof. Nihar Ranjan Jana (National Brain Research Institute, New Delhi)
17. Prof. Ratna Ray (Sent Louis University ,USA)
18. Prof. Krishna Roy (Principal, Sister Nibedita Govt. Gen. Degree College For Girls)
19. Prof. Monoj Kumar Chakraborty (NICED, Kolkata)

20. Dr. Sashibala Sing (Director, DIPAS , New Delhi)
21. Dr. Dhruvajyoti Majumdar (Scientist, DIPAS)
22. Dr. Shyamapada Pal (H.O.D, Midnapore College)
23. Prof. Debidas Ghosh (Vidyasagar University)
24. Prof. Kesab Chandra Mondal (Vidyasagar University)
25. Prof. Madhaban Nair (NIH, Hyderabad)
26. Prof. B.D. Banerjee (University of Delhi)
27. Prof. Tanya Das (Bose Institute)
28. Prof. Gouri Sankar Saha (Bose Institute)
29. Dr. Jogendra Mohan Debnath (Vidyasagar University)
30. Prof. Antony Gomes ((University of Calcutta)
31. Prof. Darakanath Bose (IIT, Khargapur)
32. Dr. Rina Maity (Indian Institute of Science)
33. Prof. Dhruvajyoti Chattopadhyay (V.C, Amity University)
34. Dr. Bhaskar Saha (NCCS, Pune)

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

| | | |
|--|-----|---|
| National Seminar on _Modern Trends in Life Sciences‘, | UGC | Rabindra Neer ,Raja N. L. Khan Women's College on 29th – 30th April, 2011. |
| DST INSPIRE Internship Science Camp | DST | Rabindra Neer & 10 Science departments,Raja N. L. Khan Women's College on & from 19 th to 23 rd Dec, 2012. |
| seminar cum hands on training Programme on Transgenic application in human Physiology, Stereotaxic mechanism for brain surgery and ECG, EEG, EMG recorded Techniques | DBT | 3 rd February, 2015,Smart Class room,Dept. Of Physiology,Raja N. L.Khan Women's College,Midnapore. |
| Seminar on Modern approach on Ergonomics with designing of different tools used by Human beings | DBT | 24 th February 2015, Smart Class room, Dept. Of Physiology,Raja N. L.Khan Women's College,Midnapore. |
| seminar on _microscale engineering of three dimensional cell culture‘ and hands on Training on Fow Cytometry & statistical softwares | DBT | 4 th & 5 th August 2015, Rabindra Neer & , Smart Class room,Dept. Of Physiology,Raja N. L.Khan Women's College,Midnapore. |
| | | |

| | | |
|---|------------------------------|---|
| UGC Sponsored National Seminar on –Knowledge, Attitude & Practice (KAP) on food hygiene in rural community of West Bengal | UGC | Jointly Organized by Debra Tha Sahid Kshudiram Smr Mahavidyalaya and Dept. Physiology, Raja N. L. Khan women College, 18 th -19 th , September, 2015. |
| Silverjubilee Celebration of Bsic Physiology(Hons) | Departmental Collection Fund | Rabindra Neer, Raja N.L.Kh Womens College |

26. Student profile programme/course wise:

| Name of the Course/programme (refer question no. 4) | Applications received | Selected | Enrolled | | Pass percentage |
|---|-----------------------|----------|----------|----|-----------------|
| | | | *M | *F | |
| UG-BSc (Honours) | | | | | |
| 2011-12 | 200 | 40 | NA | 24 | 100% |
| 2012-13 | 213 | 44 | NA | 35 | 100% |
| 2013-14 | 209 | 40 | NA | 34 | 85%(Part-II) |
| 2014-15 | 230 | 55 | NA | 51 | 100%(part-I) |
| 2015-16 | 255 | 60 | NA | 60 | NA |

*M = Male *F = Female

27. Diversity of Students

| Name of the Course | % of students from the same state | % of students from other States | % of students from abroad |
|--------------------|-----------------------------------|---------------------------------|---------------------------|
| UG in Physiology | 99 | 01 | Nil |
| Ph.D Awarded | 10 | Nil | Nil |

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? 10

29. Student progression

| Student progression | Against % enrolled |
|----------------------------------|--------------------------|
| UG to PG | 60% |
| PG to M.Phil. | 100% against 02 enrolled |
| PG to Ph.D. | 20% against 10 enrolled |
| Ph.D. to Post-Doctoral | 100% against 03 enrolled |
| Employed | NA |
| • Campus selection | |
| • Other than campus recruitment | 110 |
| Entrepreneurship/Self-employment | 02 |

30. Details of Infrastructural facilities

A. Departmental Library facilities:

We are able to give facilities to the students both central as well as departmental library

Central Library :

| | |
|-----------------------------------|-----|
| Total number of books : | 791 |
| ➤ Physiology related : | 324 |
| ➤ Biochemistry related: | 64 |
| ➤ Immunology & Microbiology: | 55 |
| ➤ Cytology & Histology : | 31 |
| ➤ Nutrition related : | 10 |
| ➤ Pharmacology related : | 10 |
| ➤ Miscellaneous | 95 |
| ➤ Medical Microbiology | 02 |
| Number of Journal / Periodicals : | 03 |

Indian Journal of Experimental Biology

Indian Journal of Physiology And Allied Sciences

Everyman's Science

Nutrition

➤ No of Books – 400

Electronics library

➤ Computer

(With multimedia)– 05

➤ Printer – 02

➤ CD – 10 (Different Books

B. Department of PHYSIOLOGY - Lecture Theater, Laboratories, Faculty & Staff with Computer room:

Room wise Details: Department of Physiology- 9 Laboratories and 3 Class Rooms with 1 Staff Room:

C. Separate Research Unit/ Central Instrument Room by Dept. of Nutrition, Physiology & Microbiology together:

- a) Library
- b) Internet facilities for Staff & Students: Yes
- c) Class rooms with ICT facility: 01
- d) Laboratories: 04

31. Number of students receiving financial assistance from college, university, government or other agencies : **10 students/year**

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: Please see point 25 for details.

33.Teaching methods adopted to improve student learning:Chalk and talk, Seminer,Brain storming programme, group discussion, Hands on tanning programme, posters, LCD power point presentation.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Field Survey, Educational excursion in higher learning centre, Community netrition, Health and nutritional Assessment.

35. SWOC analysis of the department and Future plans

| | |
|--------------|---|
| Strength: | a. Well equipped class rooms with audio visual aids and smart classes. b. Well equipped laboratories. |
| Weakness: | Lack of Full time faculty members. |
| Opportunity: | Opening of Job oriented training programmes to be conducted. |
| Challenge: | a. To ensure that our students are well equipped to face the job market, competent to clear All India level entrance examinations and have research aptitude. Future Plans : b. To have a separate infrastructure for P.G section. . |
| Future Plan | To open P.G courses . |

Evaluative Report of the Department

Nutrition

| | |
|--|---|
| 1. Name of the Department: | Nutrition |
| 2. Year of Establishment: | 2006 |
| 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): | Undergraduate [Nutrition (H)] |
| 4. Names of Interdisciplinary courses and the departments/units involved: | Nutrition (H) has an interdisciplinary approach linked with the subjects of Physiology and Chemistry. |
| 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 | Nil |

9. Number of Teaching posts

| | Sanctioned | Filled |
|----------------------|------------|--------|
| Professors | Nil | Nil |
| Associate Professors | Nil | Nil |
| Asst. Professors | Nil | Nil |

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

| Name | Qualification | Designation | Specialization | No. of Years of Experience | No. of Ph.D. Students guided for the last 4 years |
|----------------------------|-------------------------------------|--|---|----------------------------|---|
| Dr. Koushik Das | M.Sc., M.Phil., Ph.D | Contractual Whole Time Teacher (Govt. Approved) & In-charge Dept. Of | Human Physiology Spl Endocrinology with Reproductive Physiology | 10+ Yrs UG 5+ Yrs PG | - |
| Prof. Nirmalya Kumar Sinha | M.Sc. (Registered Ph. D Scholar-CU) | Part-Time Teacher (Govt. Approved) | Community Nutrition | 7+ Yrs UG 2+ Yrs PG | - |
| Shreya Mandal | M.Sc | Guest Lecturer | Medical Nutrition Therapy | 5 ⁺ Years UG | - |
| Rajashree Mishra | M.Sc. | Guest Lecturer | Community Nutrition | 3 ⁺ Years UG | - |
| Meghamala Mandal | M.Sc. | Guest Lecturer | Medical Nutrition Therapy | 2 ⁺ Years UG | |

11. List of senior visiting faculty:

| Name of the senior visiting faculty | Qualification | Name of the Institute |
|-------------------------------------|---|---|
| Dr. Samiran Bisai | M.Sc., PhD, Post Doc | Deputy Director, Cultural Research Institute, Ministry of Backward Class Department, Government of West Bengal. |
| Dr. Debidas Ghosh | M.Sc., PhD, Junior Scientist Award by UGC | Professor, Dept. of Biomedical Laboratory Science & Management, Vidyasagar University, Midnapore, West Bengal |

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

| Name of the faculty | Class load/ Week | | | Percentage (%) of class/ Week |
|-----------------------------------|-----------------------------|--------------------------------|---|-------------------------------|
| | Theory Lectures Total-44 | Practical classes Total- 20 | Project Work (Extra work beyond class) | |
| Dr. Koushik Das | 12 | 06 | 04 | 25 |
| Prof. Nirmalya Kumar Sinha | 06 | 02 | 04 | 20 |
| Shreya Mandal | 06 | 04 | 04 | 15 |
| Rajashree Mishra | 08 | 02 | 04 | 15 |
| Meghamala Mandal | 06 | 04 | 04 | 15 |
| Dr. Dilip Kumar Nandi | 03 | 02 | - | 5 |
| Dr. Samiran Bisai | 03 | - | - | 5 |

13. Student -Teacher Ratio (programme wise)

Student -Teacher Ratio: **20 : 01**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

| | |
|---|---|
| Number of academic support staff (technical) and administrative staff; sanctioned | Number of academic support staff (technical) and administrative staff; filled |
| Nil | Nil |

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.

| Name of the teaching faculty | Qualification |
|------------------------------|-------------------------------------|
| Dr. Koushik Das | M.Sc., M.Phil., Ph.D |
| Prof. Nirmalya Kumar Sinha | M.Sc. (Registered Ph. D Scholar-CU) |
| Shreya Mandal | M.Sc |
| Rajashree Mishra | M.Sc |
| Meghamala Mandal | M.Sc |

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: 01 faculty-DST/Disha/SoRF-IP/059/2013, amount Rs. 3,25,000.

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

| Name of the Project | Duration Year | Name of the funding Agency | Total grant sanctioned | Received |
|--|---------------|---|------------------------|------------|
| Major projects | 2012-15 | UGC (41-68/2012(SR), dt.13.07.2012 | 10,25,800/- | 9,33,632/- |
| Minor projects | 2013-2015 | UGC (PSW-98/12-13 (ERO) dated: 05 Feb, 2013) | 1,86,340/- | 1,34,000/- |
| Interdisciplinary Projects (Department of Nutrition and P.G Department of Zoology) | 2015-2016 | DST/Disha/SoRF-IP/059/2013 | 3,25,600/- | 2,27,940/- |
| Industry sponsored | | | | |
| Projects sponsored by the University/ College | | | | |
| Students research projects (other than compulsory by the University) | 2014-2015 | Students Project under M.Sc Nutrition and Dietetics | - | - |
| Any other (Specify) B.Sc Part-III student Project for 2015 completed, List of Project Title attached (Annexure-2) | 2014-15 | (BSR-UGC) | 30,000/- | 30,000/- |
| Total | | | 1567740 | 1325572 |

Research activities by Scholars and faculties

| Sl No | Name of the Research Scholars | Title of the Ph. D. Thesis | Fellow or Scholarship/ others | Year of Registration & Name of the University | Remarks |
|-------|--------------------------------|---|--|---|--------------------------------------|
| 1. | Koushik Das, in CWTT Nutrition | Effect of root extract of <i>Withania somnifera</i> & bark extract of <i>Terminalia arjuna</i> on dehydration induced oxidative stress & uremia in male albino rats. Also UGC-Minor Research Project-2013 as PI, PSW-98/12-13 | Contractual Whole Time Teacher, WB, Govt. Approved | Registration-2010, Vidyasagar University | Ph. D. Thesis Submitted in June-2015 |

| | | | | | |
|----|--|--|--|--|----------------------------------|
| 2. | Nirmalya Kumar Sinha, PTT in Nutrition | Studies on the nutritional, anthropometric and socio demographic status of mothers and young children (upto five years of age) in some rural areas of Paschim Medinipur district, West Bengal, with special reference to tribal populations. | Part Time Teacher, WB, Govt. Approved | Registration - 2014, Calcutta University | Ph. D. Work Running |
| 3. | Suchismita Roy First Class 1 st Gold Medal | Effect of root extract of <i>Asparagus racemosus</i> on experimentally induced uremic rats. | DST Inspire Fellow, Govt. of India (2012-2016) | Registration - 2012, Vidyasagar University | Ph. D. Running |
| 4. | Shrabani Pradhan First Class 1 st Gold Medal | Effect of alpha Lipoic acid on acetaminophen and CCl ₄ induced induced kidney failure male rats. | DST Inspire Fellow, Govt. of India (2013-2017) | Registration - 2013, Jadavpur University | Ph. D. Running |
| 5. | Shreya Mandal, | Effect of bark extract of <i>Terminalia arjuna</i> on dehydration induced oxidative stress & uremia in male albino rats | UGC-Major Fellow (2012-2015) | Vidyasagar University | RET qualified for Ph. D. Applied |
| 6. | Shreosi Mallick | Effect of Pumpkin seed and Sesame seed extract on Hyperlipidemic rats. | DISHA-SORF-DST-WOS-B Fellow 2015 and onwards | - | Running |

18. Research Centre /facility recognized by the University:NA

19. Publications:

* a) Publication per faculty

List of publications of Dr. Koushik Das

Full paper

1. **Das K**, Nandi D. Reno-protective effect of bark extract of *Terminalia arjuna* on dehydration induced uremia of rat. Indian Journal of Physiology and Allied Sciences. 2011;65(2):43-58. ISSN:0367-8360.

2. Bhattacharya J, Mandal A, **Das K** and Nandi D. Effect of Root Extract of *Withania sominifera* on Probiotics, *In vitro*. International Journal of Innovative Pharmaceutical Research. 2011;2 (1):74-76.

3. Mandal A, Nandi DK, Roy S, **Das K**, Mondal KC, In Vivo Assessment Of Bacteriotherapy On Acetaminophen Induced Uremic Rats. Journal of Nephrology, 2013; 26(1): 228-236. (Impact Factor 2.02/14)
4. Pradhan S, Mandal S, Roy S, Mandal A, **Das K** and Nandi DK. Attenuation Of Uremia By Orally Feeding Alpha –Lipoic Acid On Acetaminophen Induced Uremic Male Rats. Saudi Pharmaceutical Journal. 2013, 21, 187–192. (Impact Factor 0.95/14).
5. Roy S, **Das K**, Mandal A, Mandal S, Pradhan S, Nandi D. Crude extract from root of *Asparagus racemosus* ameliorates acetaminophen induced uremic rats. International Journal Of Pharmaceutical Science and Research. 2013, 4(8), 3004-12. (Impact Factor 1.89/14).
6. Mandal A, Roy S, **Das K**, Mandal S, Pradhan S, Mandal KC and Nandi DK. Assessment of antiuremic and antioxidative efficacy of newly established probiotic strain. e-SPEN Journal, 2013. 8(4); 155-163. (Impact Factor 3.298/14).
7. Mandal S, Patra A, Samanta A, Roy S, Mandal A, Pradhan S, **Das K** and Nandi DK. Analysis of phytochemical profile of *Terminalia arjuna* bark extract with antioxidative and antimicrobial properties. Asian Pacific Journal of Tropical Biomedicine. 2013; 3(12): 960-966.
8. Mandal A, Paul T, Roy S, Mandal S, Pradhan S, **Das K**, Mandal KC and Nandi DK. Therapeutic potential of *Lactobacillus ingluviei* ADK10, a newly established probiotic organism against acetaminophen induced uremic rats. Biologia. 2013, 68 (6):1072-1078.
9. Roy S, **Das K**, Mandal S, Pradhan S, Patra A, Samanta A, Mandal A, Kar S and Nandi DK. *Asparagus Racemosus* Roots Ameliorates Acetaminophen Induced Hepatotoxicity in Rats: An Experimental, Biochemical and Histological Study. International journal of recent scientific research. 5(6);2014:1192-1197. (Impact Factor- 1.13/14)
10. Roy S, **Das K**, Mandal S, Pradhan S, Patra A, Samanta A, Sinha BD, Kar S and Nandi DK. Phytochemical analysis, antimicrobial activity and assessment of potential compounds by thin layer chromatography of ethanol fraction of *Asparagus racemosus* roots. International journal of pharmacy and pharmaceutical sciences, 2014, 6(8); 367-370. (Impact Factor- 1.59/14)
11. Samanta A, Mandal A, Patra A, Mandal S, Roy S, Pradhan S, **Das K** & Nandi DK. Impact of probiotic supplementation on intestinal microflora of rat under environmental hypobaric pressure. International journal of current microbiology and applied sciences. 2014; 3(8), 282-291. (Impact Factor- 1.59/12).

12. Pradhan S, Roy S, Mandal S, Samanta A, Patra A, **Das K**, Das S & Nandi DK. Alpha-lipoic acid a cholesterol reducer for targeting acetaminophen induced uremic male albino rat models. *International Journal of pharmaceutical sciences review & research*. 2014, 29(1);2 014:62-66. (Impact factor- 2.19).
13. Roy S, Pradhan S, **Das K**, Mandal S, Mandal A, Patra A, Samanta A, Sinha BD, Nandi DK. Acetaminophen induced kidney failure in rats: A dose response study. *Journal of Biological Sciences*, 2015; 15 (4): 187-193.
14. Mallick S, Mandal M , Roy S, Pradhan S , Mandal S, Maiti RK, Nandi DK, Dasgupta R and **Das K**. Effect of phytosterol extract from sesame seed on experimentally induced hyperlipidemic rats: dose dependent study. *Int J Pharm Bio Sci*. 2016; 7(1): 370 – 377. (Impact Factor 5.121/15)
15. **Pradhan S**, Roy S, Mandal S, Samanta A, , Das K, Das S & Nandi DK. Ameliorative effect of alpha lipoic acid on CCl4 induced kidney damage of male albino rats. *Journal of Biomedical Research*. 2015, (Article in press).

Publications of Nirmalya Kumar Sinha

1. **Sinha NK**, Roychowdhury UB, Das DC, Chakraborty S, Maity S, Karan P. Sexual abuse and murder of a minor girl: A Case study. *Indian J Forensic Commun Med*. 2015;2(4):251-4.
2. Das DC, **Sinha NK**, Patsa MK, Das M. Investigation of herbals for the treatment of leucorrhoea from south west Bengal, India. *Int J Bioassays*. 2015;4(11): 4555-9. (IF: 3.54/14)
3. **Sinha NK**, Halder JP. Anaemia among the Women Belonging to Reproductive Age Group with Low Socioeconomic Status, in a District of West Bengal State, India: A Correlation with Anthropometric Parameters. *Anthropologist*. 2015;19(1):185-92. (IF: 0.2/14)
4. Das DC, **Sinha NK**, Das M. The use of medicinal plants for the treatment of Gynaecological disorders in the Eastern parts of India. *Indian Journal of Obstetrics and Gynaecology Research*. 2015; 2(1):16-27.
5. Roy SK, Maiti S, **Sinha NK**, Mandal K. Maternal body-mass-index and several socioeconomic factors predict gestational duration and birth weight: A cross-sectional study from India. *Cell Biology Research & Therapy*. 2015. (IF: 1.1/14)

6. Maiti S, **Sinha NK**, Khan MM, Das PK, Deb B. Diabetes in rural individuals of different nutritional status and the alarming situation demands focus more on its undernutrition association. *Archives of Physiology And Biochemistry*. 2014;1-6. (IF: 1.74/14)
7. Das PK, Maiti S, Mallik S, Biswas PK, Chattopadhyay JC, **Sinha NK**. Common but unexplored psychiatric morbidity among referred indoor patients: a Liaison study in India. *Neurology, Psychiatry and Brain Research*. 2013; 19(3):126-32. (IF: 0.1/14)
8. **Sinha NK**, Chattopadhyay JC, Das PK, Maiti S, Maiti K. Prevalence of anemia and its possible attributing factors in psychologically healthy women of reproductive ages in Midnapore (Jangalmahal-area), India. *Indian Journal of Community Health*. 2013;25 (3):226-32. (IF: 1.99/13)
9. Das DC, **Sinha NK**, Chattopadhyay JC, Das M, Samanta P. The use of Medicinal Plants for the treatment of Gonorrhoea and Syphilis in South West Bengal of India. *International Journal of Phytomedicine*. 2013;5(1): 14-7. (IF: 1.23/14)
10. Ray A, **Sinha NK**, Maiti S, Roy SK, Maiti K. Reciprocity between partial immunization and malnutrition significantly impairs health of preschool children. *Indian Journal of Maternal and Child Health*. 2013;15(1).
11. **Sinha NK**, Maiti K, Samanta P, Das DC, Banerjee P. Nutritional status of 2–6 year old children of Kankabati grampanchayat, Paschim Medinipur district, West Bengal, India. *Sri Lanka Journal of Child Health*. 2012; 41(2):60-4.
12. Das PK, **Sinha NK**, Mukherjee A, Maiti K, Chowdhury KB. A study to assess the magnitude of the problem of Substance abuse in a peripheral District town of West Bengal. *Int Jour on Env Sci & Tech*. 2012; 1(1):7-13.
13. Das PK, Maiti S, Chowdhury KB, Chattopadhyay JC, **Sinha NK**. Cotard's syndrome: a report from India. *Journal of Pakistan Psychiatric Society*. 2012;9(2):103-4.
14. **Sinha NK**, Maiti S. Prevalence of undernutrition among unprivileged preschool children (2-6 years) of Midnapore town, India. *Malaysian Journal of Paediatrics & Child Health*. 2012; 18(1).
15. Mandal S, **Sinha NK**, Samanta P, Das S, Bose K. Anthropometric assessment of nutritional status among college women of Midnapore, West Bengal, India. *International Journal of Life Science & Pharma Research*. 2011;1(1):L81-7. (IF: 0.67/14)
16. **Sinha NK**, Maiti K, Ray A, Dutta DP. Prevalence of undernutrition and anaemia among preschool children. *Int J Env Sci*. 2011;6(3):303-10.

Number of papers published in peer reviewed journals (national / international) by faculty and students

For K Das-15
For N Sinha- 16

| | International | National | Others |
|---------------------------|---------------|------------|--------|
| Peer review Journals | 14+7 | 1+9 | - |
| Non- Peer review Journals | - | - | - |
| e-Journals | - | - | - |
| Conference proceedings | - | 01 | - |
| Total | 31 | | |

* 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

* Chapter in Books

* Books Edited

* Books with ISBN/ISSN numbers with details of publishers

* Citation Index

* SNIP

* SJR

* Impact factor

* h-index

20. Areas of consultancy and income generated NIL

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards

| Name of the Faculty | Name of the National Committees | Name of the international Committees | Name of the Editorial board |
|-----------------------------------|--|--------------------------------------|--|
| Dr. Koushik Das | Life Member of Nutrition Society of India (NSI) Life Member of Physiological Society of India (PSI) | Nil | |
| Prof. Nirmalya Kumar Sinha | Life Member of Indian Science Congress Association Life Member of Indian Dietetic Association | Nil | <ul style="list-style-type: none"> • Assistant Editor of Indian Journal of Obstetrics and Gynaecology Research. • Advisory Board Member of Indian Journal of Obstetrics and Gynaecology. |

| | | | |
|--|--|--|---|
| | Life Member of Nutrition Society of India Life Member of Physiological Society of India | | <ul style="list-style-type: none"> • Editorial Board Member of Pediatric Education & Research • Regional Editor (West Bengal), International Journal of Bioassays |
|--|--|--|---|

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme **80% students work their projects in Departmental Laboratory**
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies
20% students work their projects in Community and other laboratories.

23. Awards / Recognitions received by faculty and students:

Young Scientist Award (Prof. S. N. Memorial Award) from Physiological Society of India (PSI) by Koushik Das.

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

| Name of the visitor | Designation | From Where | Visited year |
|----------------------------------|----------------------------|--|--------------|
| Dr. Samiran Bisai, | Deputy Director, | Cultural Research Institute, Ministry of Backward Class Department, Government of West Bengal. | 2016 |
| Dr. Sukumar Debnath | Principal Scientist & Head | Dept. of Traditional Foods & Sensory Science CSIR – CFTRI, Mysore - 570 020 | 2015 |
| Dr. Debdutta Bhattacharya | Scientist C, | Regional Medical Research Centre (ICMR), Bhubaneswar, Orissa. | 2015 |
| Dr. Amalesh Mukhopadhyaya | Scientist E and Advisor | Department of Science and Technology (DST), Govt. of India | 2015 |
| Dr. Subhransu Mandal | Associate Professor | Dept of Biochemistry, University of Texas. Arlington. | 2015 |

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

a) National

National Seminars: 1. Organizing National Level Seminar –Metabolic disorders and its dietary therapeutic approaches|| successfully organized and completed by students, scholars and teachers of Nutrition Department with help of college on and from **22.12.2014 -23.12.2014**, Organizing Secretary: Koushik Das, CWTT of Nutrition.

2. Organizing National Level Seminar: DBT Sponsored National Level Seminar –**Bridging the Gap between Microbiology and Nutrition**|| successfully organized and completed by students, scholars and teachers of Nutrition Department with help of college on 19.09.2015. Organizing Secretary: Koushik Das, CWTT of Nutrition.

b) International

26. Student profile programme/course wise:

| Name of the Course/programme (refer question no. 4) | Applications received | Selected | Enrolled | | Pass percentage |
|---|-----------------------|----------|----------|----|-----------------|
| | | | *M | *F | |
| B.SC-Honours :2015-16 | 280 | 55 | NA | 55 | - |
| B.SC-Honours :2014-15 | 279 | 48 | NA | 48 | - |
| B.SC-Honours :2013-14 | 269 | 44 | NA | 44 | - |
| B.SC-Honours :2012-13 | 283 | 40 | NA | 40 | 95% |
| B.SC-Honours :2011-12 | 256 | 40 | NA | 40 | 85% |

*M = Male *F = Female

27.Diversity of Students

| Name of the Course | % of students from the same state | % of students from other States | % of students from abroad |
|--------------------|-----------------------------------|---------------------------------|---------------------------|
| Nutrition | 99% | 1 % from Kerala in 2015-16. | Nil |

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

From the session 2011-12 to 2014-15 total pass out students is 166.

Out of 166

Post graduate: 60

Assistant Teacher: 20

Nutritionist / Dietitian: 20

Guest Teacher: 20

Ph.D. Scholar: 20

29. Student progression

| Student progression | Against % enrolled |
|---|--|
| UG to PG | 2011-12= 100% 2012-13=90% 2013-14=80% 2014-15=85% |
| PG to M.Phil. | |
| PG to Ph.D. | 2009-2015=20 students out of 7 batches |
| Ph.D. to Post-Doctoral | |
| Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment | - 60-70% |
| Entrepreneurship/Self-employment | - |

30. Details of Infrastructural facilities

a) Library

Departmental Seminar Library

- No of Books (Nutrition, Diet Therapy etc)– 200
- No. of Project reports – 200
- Electronics library
- Computer
(With multimedia)– 15
- Printer – 05
- CD –25(Different Nutritional Books)

c) **Laboratory with Class room facilities for Staff & Students**

| Room No | Name of the Laboratories | Area of the Laboratories | Capacity of students performing practical operation together | Instruments with Practical/ Research Work |
|---------|---|---------------------------|--|---|
| N 1 A. | Computer cum Seminar Library cum Faculty room | 30×25 Sq ft =750 Sq ft | For Computer accommodation-15 students For Faculty accommodation-10 Faculties | 12 computers with High speed Internet, 3 Printers with Scanner and Copier |

c) Class rooms with ICT facility

Number of class room with ICT facility - 2

d) Laboratories

| Room No | Name of the Laboratories | Area of the Laboratories | Capacity of students performing practical operation together | Instruments with Practical/ Research Work |
|---------------|---|----------------------------|--|---|
| N 1 B. | Sophisticated Instruments Room | 20×15 Sq ft =300 Sq ft | 10 | 1. 1 set of UV-Vis Spectrophotometer 2. One Digital weighing machine for mg (0.0000g) measurement, 3. One Digital weighing machine for 1-100 gm measurement. |
| N 2 | Clinical and Analytical Biochemistry - cum-Theory room | 30×25Sq ft =750 Sq ft | 40 | 1. Burette with Burette stands, 2. Working Graduated & Volumetric Pipette are enough 3. 2 set of for Weighing machine, 4. 1 set Desiccator with Vacuum Pump for tissue processing in Histological study. 5. 2 sets of Water Bath. 6. 1 Hot air Oven. Xii) 1 Incubator 7. 1 Over-Head Projector, |
| N 3 | Hematology and Human Experiments-cum-Theory room | 30×25 Sq ft =750 Sq ft | 40 | 1. 30 BP Machine 2. 30 Stethoscope 3. 30 Haemoglobinometer 4. 4 Anthropometric rod 5. 4 Skin fold caliper 6. 2 Infanto-meter 7. 1 Over-Head Projector, 8. Bathroom Scale Weight Machine |
| N 4 | Seminar cum Museum with Human Experimental and Health Assessment -cum-Theory room | 35×25 Sq ft = 875 Sq ft | 40 | 1. Over-Head Projector, 2. 1 LCD Projector with Computer 3. 7 Nutritional Display Board 4. Benedict Roth Apparatus for Measurement of Energy requirement of Human 5. Bomb Calorimeter for determination of energy value of foods |

| | | | | |
|------------|----------------------|----------------------------------|-----------|--|
| N 5 | Research Room | 20×25 Sq ft 500 sq ft | 20 | 1. Cold Centrifuge-Funded By CPE 2. Electrolyte Analyzer- Funded By CPE 3. Homogenizer- Funded By CPE 4. Digital Water Bath- Funded By CPE 5. Microtome- Funded By CPE 6. Embedding bath with vacuum pump 7. Rotary Evaporator 8. BOD Incubator 9. Microcentrifuge machine 10. Vortex 11 Binocular Microscope with software loaded microphotography with Computer 12. Nikon Digital Histological Photo Adaptar 13. PCR 14. ELISA Reader |
|------------|----------------------|----------------------------------|-----------|--|

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

| No. of student | Year | From | Amount | Class |
|----------------|---------|---|----------------------------|---------------------------|
| 15 | 2014-15 | College | Rs. 650.00 (Tution fee) | First, Second, Third Year |
| 30 | 2014-15 | Govt. of WB Kanyashree Prakalpa | Rs. 25000.00 | First, Second, Third Year |
| 6 | 2014-15 | Minority Scholarship, Govt. of WB | Rs. 11000.00 | First, Second, Third Year |
| 17 | 2014-15 | Swami Vivekanada Merit Cum Means Scholarship, Govt. of WB | Rs. 9000.00 | First, Second, Third Year |
| 4 | 2014-15 | Scholarship, Jindal | Rs. 9000.00 | First, Second, Third Year |

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts
- ❖ Thirty Four (34) students of 2012-13 final year batch participated 44th Annual National Conference and workshop of Nutrition Society of India at Venkatasway University, Tirupati on 2012.
 - ❖ Thirty (30) students of 2013-14 final year participated 45th Annual National Conference of Nutrition Society of India at National Institute of Nutrition (NIN, ICMR), Hyderabad on 2013.
 - ❖ Thirty three (33) students of 2014-15 final year batch trained at Indian Institute of Crop Processing Technology (IICPT), Indian Council of Agriculture Research (ICAR), Thanjavur, Tamil Nadu on 30.12.2014.
 - ❖ Thirty five (35) students of 2015-16 final year batch will participate 47th Annual National Conference and workshop of Nutrition Society of India at National Institute of Nutrition (NIN, ICMR), Hyderabad on 08.10.2015 -10.10.2015.
33. Teaching methods adopted to improve student learning
- a. Audio visual Method
 - b. Lecture Method
 - c. Discussion Method
 - d. Demonstration Method
 - e. Problem Solving Method
34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Dietary and Community Survey: Every Year students undergo survey and assess the health status and dietary consumption of household in community like Nachanjam, Garbeta, Siromani panchyet, Midnapore, Benapur and others places to evaluate the nutritional status and give the dietary advices/information which is necessary of their health and well being.

Visit and analysis the ICDS and Mid-day Meal programme: Every Year students visit and assess the health status and dietary consumption of children in ICDS centres and Primary school like Nachanjam ICDS Centre, Garbeta, Kankabati grampanchayet, Siromani panchyet ICDS Centre, Midnapore, Benapur and others places.

Students survey and analysis the health status of elderly women, preschool children, female of reproductive ages with special emphasis on the low socioeconomic rural people.

35. SWOC analysis of the department and Future plans

| | |
|--------------|--|
| Strength: | <p>100% Student strength according to student intake capacity of this department due to maximum first class obtained out of 10 colleges under Vidyasagar University.</p> <p>Well equipped laboratory for student's practical work.</p> <p>Smart class room with digital white board</p> <p>Wi Fi zone with hi speed internet facility under BSNL NME project.</p> <p>Research laboratory with sophisticated instruments due to Major and Minor projects, UGC BSR Fund and CPE Fund.</p> <p>Departmental library with available syllabus related subject wise books.</p> <p>Good number of highly qualified research publications.</p> |
| Weakness: | <p>Insufficient space according to students strength.</p> <p>Insufficient space for keeping research instruments</p> <p>No PG course (Applied for 2016-17 session to WBSCH, Govt. of West Bengal).</p> <p>No Laboratory attendant (Skill worker).</p> |
| Opportunity: | <p>Medicinal plants and their therapeutic effect related research with different proteomic and genomic analysis performs in our research laboratory.</p> <p>Nutritional status measurement all instrument set up are present.</p> <p>Different bio-markers measuring in Nutrition laboratory</p> <p>Na^+, K^+ was Quantified by direct blood and urine sample by using Electrolyte analyzer (Systronics).</p> <p>Uremic Marker- Urea and creatinine measured by semi autoanalyzer</p> <p>Antioxidant enzyme Markers- catalase activity (CAT), Superoxide Dismutase (SOD), Glutathione S-hydryl measured by UV Vis Double beam Spectrophotometer</p> <p>Oxidative stress Marker- Malondialdehyde (MDA) Toxicity</p> |

| | |
|-------------|---|
| | <p>Marker- glutamic oxaloacetic transaminase (GOT), glutamic pyruvic transaminase (GPT)</p> <p>Immunological Marker- Cytokines (IL-18), Cystatin C, KIM-1 Leptin hormone by ELISA Plate reader</p> <p>Phyto-compounds (Functional components of foods) identified by using Soxlet Aparatus, Rotary Evaporator with Chiller and Lipolyzer.</p> |
| Challenge: | <p>Willing to initiate P.G. course in Nutrition and Dietetics under Vidyasagar University since 2015- 2016 session</p> <p>To collaborate with National Institute of Nutrition and Nutrition Foundation of India for Research Work.</p> <p>To collaborate with Food Industries for students Entrepreneurs.</p> <p>To collaborate the Research with Dept of Biochemistry, University of Texas. Arlington.</p> <p>To promote the students in research field under Cultural Research Institute, Ministry of Backward Class Department, Government of West Bengal</p> <p>To create Women's Research Centre, Under DST-WOS-B SORF Department, NASI, Allahabad.</p> <p>To train about the nutritional important of locally available foods under Backward Community of Jungle Mahal area of Paschim Medinipur.</p> |
| Future Plan | To initiate P.G. course in Nutrition and Dietetics under Vidyasagar University from 2015- 2016 session. |
| | |

Evaluative Report of the Department

Microbiology

| | |
|---|--|
| 1. Name of the department: | Department of Microbiology |
| 2. Year of Establishment : | 2004 |
| 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : | Under Graduate/ B.Sc. Hons. Programme in Microbiology. |
| 4. Names of Interdisciplinary courses and the departments/units involved: | N.A |
| 5. Annual/ semester/choice based credit system (programme wise): | Annual based. |
| 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

| | Sanctioned | Filled |
|----------------------|------------|--------|
| Professors | Nil | Nil |
| Associate Professors | Nil | Nil |
| Asst. Professors | Nil | Nil |

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

| Name | Qualification | Designation | Specialization | No. of Years of Experience | No. of Ph.D. Students guided for the last 4 years |
|-----------------------|----------------------------|--------------------------------------|---|----------------------------|---|
| Mr. Pradip Samanta | M. Sc , M. Phil | Contractual Whole Time Teacher | Medical Microbiology | 08 | Nil |
| Mrs. Arpita Patra Das | M. Sc Ph.D (Runnung) | Contractual Whole Time Teacher | Environmental Microbiology/ Medical Microbiology | 11 | Nil |
| Miss. Tithi Adhya | M. Sc Ph.D (Runnung) | Part Time Teacher | Soil Microbiology / Industrial Microbiology | 07 | Nil |
| Miss. Bahnni Das | M.Sc. | Guest Teacher | Industrial Microbiology | 02 | Nil |
| Mr. Animesh Samanta | M.Sc. Ph.D (Running) | Guest Teacher | Microbial Ecology | 02 | Nil |

11. List of senior visiting faculty: **Dr. Dilip K. Nandi**, M.Sc. Ph.D
(Associate professor, HOD, Dept. of Physiology, Raja N.L.Khan Women's College)

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: **30%**

13. Student -Teacher Ratio (programme wise): **20:1**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Sanctioned: Nil

Filled: 01

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG:
PhD: 01
M.Phil: 01
PG: 04
16. Number of faculty with ongoing projects from: a) National : **Nil**.
b) International funding agencies and grants received: **Nil**.
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:
 - **UGC- CPE Fund : 5 lakhs**
 - **BSR : 6 lakhs**
18. Research Centre /facility recognized by the University: **1 (one)**.
19. Publications:

a) Publication per faculty :

List of publications by Mr. Pradip Samanta:

List of International publications:

1. **Samanta Pradip**, De Somnath. (2015). Study on the Antibacterial, Antioxidant Activities and Phytochemical Analysis of Medicinal Plants in West-Bengal, India. *Int.J.Curr.Microbiol.App.Sci*4(10): 116-123
2. Samanta *Tulsian Tanushree* , Das Ankita, **Samanta Pradip**.(2014).*Isolation and Characterization of Xanthomonas oryzae isolates* from different regions of Midnapore District and their ecofriendly management by some medicinal plant extracts. International Journal of Phytomedicine.Vol 6; No. 1.
3. Das DC, Sinha NK, Chattopadhyay JC, Das M, **Samanta P**. (2013). The use of Medicinal Plants for the treatment of Gonorrhoea and Syphilis in South West Bengal of India. *Int J Phytomed.*; 5(1).
4. Sinha NK, Maiti K, **Samanta P**, Das DC, Banerjee P. (2012). Nutritional status of 2–6 year old children of Kankabati grampanchayat, Paschim Medinipur district, West Bengal, India. *Sri Lanka Journal of Child Health.*; 41(2):60-4.

5. Mandal S, Sinha NK, **Samanta P**, Das S, Bose K. (2011).Anthropometric assessment of nutritional status among college women of Midnapore, West Bengal, India. International Journal of Life Science & Pharma Research.;1(1):L81-7.

List of publications by Mrs. Arpita Patra (Das):

20. Samanta A, Pradhan S, Mandal A, **Patra A**, Mandal S, Roy S, Kar S, Nandi DK. (2015). Effect of starter culture on development of curd (dahi) and their antagonistic property against some enteric pathogen. Indian journal of Microbiology research, 2(1), 30-39.
21. Mandal A, **Patra A**, Mandal S, Roy S, Mahapatra SD, Mahapatra TD, Paul T, Das K, Mondal KC, Nandi DK. (2015). Therapeutic potential of different commercially available synbiotic on acetaminophen induced uremic rats. Clinical and experimental nephrology, 19(2), 168-177. **(Impact Factor- 1.246/14).**
22. **Patra A**, Mandal A, Roy S, Mandal S, Mandal KC, Nandi DK. (2014). Protective effect of selected urease positive lactobacillus strain on acetaminophen induced uremia in rats. Biomedicine and preventive nutrition, 4(2), 271-276.
23. **Patra A**, Mandal A, Samanta A, Roy S, Mandal S, Pradhan S, Das Mahapatra T, Mondal KC, Nandi DK. (2014). Therapeutic potential effect of Streptococcus thermophilus (MTCC 1938) on acetaminophen induced uremic male rats. Indian Journal of Biotechnology, 13, 318-323. **(Impact factor- 0.477/14).**
24. Roy S, Das K, Mandal S, Pradhan S, **Patra A**, Samanta A, Mandal A, Kar S, Nandi DK. (2014). *Asparagus Racemosus* Roots Ameliorates Acetaminophen Induced Hepatotoxicity in Rats: An Experimental, Biochemical and Histological Study. International journal of recent scientific research, 5(6), 1192-1197. **(Impact Factor- 3.08/14).**
25. Roy S, Das K, Mandal S, Pradhan S, **Patra A**, Samanta A, Sinha BD, Kar S, Nandi DK. (2014). Phytochemical analysis, antimicrobial activity and assessment of potential compounds by thin layer chromatography of ethanol fraction of *Asparagus racemosus* roots. International journal of pharmacy and pharmaceutical sciences, 6(8), 367-370. **(Impact Factor- 1.59/14).**
26. Samanta A, Mandal A, **Patra A**, Mandal S, Roy S, Pradhan S, Das K, Nandi DK. (2014). Impact of probiotic supplementation on intestinal microflora of rat under environmental hypobaric pressure. International journal of current microbiology and applied sciences, 3(8), 282-291. **(Impact Factor- 1.59/12).**

27. Pradhan S, Roy S, Mandal S, Samanta A, **Patra A**, Das K, Das S, Nandi DK. (2014). Alpha-lipoic acid a cholesterol reducer for targeting acetaminophen induced uremic male albino rat models. International Journal of pharmaceutical sciences review & research. 29(1), 62-66. (**Impact factor- 2.19**).
28. Mandal S, **Patra A**, Samanta A, Roy S, Mandal A, Pradhan S, Das K, Nandi DK. (2013). Analysis of phytochemical profile of *Terminalia arjuna* bark extract with antioxidative and antimicrobial properties. Asian Pacific Journal of Tropical Biomedicine, 3(12), 960-966.
29. **Patra A**, Sil J, Das BK (2011) Isolation and characterization of dominant lactic acid bacteria from Dahi at Medinipur and evaluation of their antibacterial activity. Internet Journal of Food Safety, vol. 13, pp. 157-163.

b) 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:

* Chapter in Books: Nil

* Books Edited: Nil

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

* Citation Index:

* SNIP:

* SJR:

* Impact factor:

* h-index:

20. Areas of consultancy and income generated: NA

21. Faculty as members in

a) National committees: Nil.

b) International Committees: Nil

c) Editorial Boards: Nil

22. Student projects

c) Percentage of students who have done in-house projects including inter departmental/programme: **100 % (3rd year students)**

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: **60%**

23. Awards / Recognitions received by faculty and students: **Nil**

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

- ❖ Dr. K. Madhavan Nair, NIN, Hyderabad.
- ❖ Dr. Dhurjati Majumder, DIPAS-DRDO, New Delhi.
- ❖ Prof. B.D. Banerjee, Delhi University, New SDelhi.
- ❖ Prof. Tanya Das, Bose Institute, Kolkata.
- ❖ Prof. Mahitosh Mondal, IIT, KGP.
- ❖ Prof. Manjushri Bal, University of Calcutta, Kolkata.
- ❖ Dr. Amit Bandopadhyay, University of Calcutta, Kolkata.
- ❖ Dr. Sukumar Debnath, Principal Scientist, CFTRI, Mysore.
- ❖ Dr. Debduutta Bhattacharya, Scientist, RMRC, Odisha.
- ❖ Prof. Manoj Chakraborty, Former Director, NICED, Kolkata.
- ❖ Prof. Amar Kr. Chandra, Dept. of Physiology, University of Calcutta.

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

a) National Seminar: **2**

Title: Modern Trends in Life Sciences

Sponsored by: UGC

Date: 17th & 18th March, 2012.

Title: Bridging the gap between Nutrition and Microbiology

Date: 19th September, 2015

b) International:

26. Student profile programme/course wise: **Nil**

| Name of the Course/programme (refer question no. 4) | Applications received | Selected | Enrolled | | Pass percentage |
|---|-----------------------|----------|----------|----|-----------------|
| | | | M | F | |
| B.Sc. Microbiology (Hons.) | | | | | |
| 2015 (Batch of 2012-2013) | 86 | 40 | | 30 | 100 % |
| 2014 (Batch of 2011-2012) | 75 | 30 | | 26 | 100 % |
| 2013 (Batch of 2010-2011) | 56 | 30 | | 25 | 100 % |
| 2012 (Batch of 2009-2010) | 45 | 25 | | 20 | 100 % |
| 2011 (Batch of 2008-2009) | 25 | 20 | | 15 | 100 % |

*M = Male *F = Female

27. Diversity of Students

| Name of the Course | % of students from the same state | % of students from other States | % of students from abroad |
|--------------------|-----------------------------------|---------------------------------|---------------------------|
| B.Sc. (Hons.) | 95% | 5% | Nil |

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? 04

29. Student progression

| Student progression | Against % enrolled |
|----------------------------------|--------------------|
| UG to PG | 95% |
| PG to M.Phil. | NIL |
| PG to Ph.D. | 8% |
| Ph.D. to Post-Doctoral | NIL |
| Employed | |
| • Campus selection | NIL |
| • Other than campus recruitment | 30% |
| Entrepreneurship/Self-employment | NIL |

30. Details of Infrastructural facilities

a) Library: Seminar Library:183

b) Internet facilities for Staff & Students: **All Staff & Students**

d) Class rooms with ICT facility: 01

d) Laboratories: 03

31. Number of students receiving financial assistance from college, university, government or other agencies: 10 per year.

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

33. Teaching methods adopted to improve student learning:

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

35. SWOC analysis of the department and Future plans:

| | |
|--------------|---|
| Strength: | Well equipped class rooms (with one smart class) & laboratories. Well equipped modern instruments for the fulfillment of students' need. Dedicated teachers. |
| Weakness: | Lack of space. Huge workload but manpower is low. More audio visual aided class rooms required. |
| Opportunity: | Job opportunities in several Government as well as private sectors. Enough Research fields like Medical, food, bioinformatics, agricultural fields etc. |
| Challenge: | To update our syllabus in line with demands of microbial industry. To organize On Job Training (OJT) for students in various companies related to microbiology. |
| Future Plan | <ul style="list-style-type: none"> a. More infrastructures have to develop for the students. b. To create a Research Centre and to procure several research projects so that our departmental students may be involved as Research scholar. c. To open vocational courses related to Microbiological fields. d. To open M.Sc. course in future so that our departmental students get chance to complete their Post Graduate Degree from this college. e. To create a placement cell in collaboration with our Career Advancement Centre (CAC) to create more job opportunities for our students. |
| | |
| | |

Evaluative Report of the Department

Computer Science

| | |
|---|--|
| 1. Name of the department: | Computer Science |
| 2. Year of Establishment : | General-1994 Hons.-1997 |
| 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) | Under Graduate- B.Sc. Hons. Programme in Computer Science. |
| 4. Names of Interdisciplinary courses and the departments/units involved: | N.A |
| 5. Annual/ semester/choice based credit system (programmed wise): | Annual based. |
| 6. Participation of the department in the courses offered by other departments: | <p>The College offers an optional course in computer operation, entitled "Certificate Course in Computer Application and Information Technology" of one year duration. The courses attract a good number of students every year.</p> <p>From the academic session 2015-2016, the college has introduced Mandatory Computer Course entitled "Hands on Computer" with a view to providing basic knowledge in computer operating for all the students irrespective of stream and courses</p> <p>The faculty members of the Computer Science Department have been entrusted with the necessary teaching work in this regard apart from their normal Departmental loads as the classes are arranged by the Career Advancement Centre of the College beyond normal class hours.</p> |
| 7. Courses in collaboration with other universities, industries, foreign institutions, etc. | N.A |
| 8. Details of courses/programmers discontinued (if any) with reasons: | N.A |

9. Number of Teaching posts

| | Sanctioned | Filled |
|----------------------|------------|--------|
| Professors | Nil | Nil |
| Associate Professors | Nil | Nil |
| Asst. Professors | 03 | Nil |

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

| Name | Qualification | Designation | Specialization | No. of Years of Experience | No. of Ph.D. Students guided for the last 4 years |
|-----------------------------|-----------------------------|---------------------------------------|--|----------------------------|---|
| Prof. Narayan Chandra Maiti | M.Sc., B.Ed., PGDCA, M.Phil | Contractual WholeTime Teacher (CWTT) | Operation Research. | 21 Year+ | N.A. |
| Prof. Sandip Mandal | MCA | Contractual WholeTime Teacher (CWTT) | Computer Design | 18 Year + | N.A. |
| Prof. Pinku Pal | M.Sc., PGDCA, M.Phil. | Contractual Whole Time Teacher (CWTT) | Basic Electronics | 14 Year + | N.A. |
| Prof. Chiranjit Changder | M.Sc. | Part-Time Teacher (PTT) | Soft Computing, Fuzzy Mathematics, and Operation research. | 8 year+ | N.A. |
| Prof. Rahul Das | MCA, B.Ed. | Part-Time Teacher (PTT) | Dot Net Technology | 6 Year + | N.A. |
| Prof. Moumita Mondal | M.Sc., B.Ed. | Part-Time Teacher (PTT) | Soft Computing | 6 Year + | N.A. |
| Prof. Nandini Karmakar | M.Sc. | Guest Lecturer | Mobile Computing | 1 Year+ | N.A. |

11. List of senior visiting faculty : **NA**
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: **15%**
13. Student -Teacher Ratio (programme wise): **13:1**
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled :
 - **Sanctioned** **01**
 - **Filled** **01**
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG:
 - **PG** **07**
 - **M.Phil** **02**
16. Number of faculty with ongoing projects from: a) National : **Nil**.
b) International funding agencies and grants received: **Nil**.
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:
 - **UGC- CPE Fund** : **5 lakhs**
 - **BSR** : **6 lakhs**
18. Research Centre /facility recognized by the University: **01 (one)**.
19. Publications:
 - b) Publication per faculty :

Chiranjit Changdar -8 (Eight) Papers in international journals).

The list of publications by Chiranjit Changdar:-

 - 1) C. Changdar, G. S. Mahapatra, R. K. Pal, An improved genetic algorithm based approach to solve constrained knapsack problem in fuzzy environment, Expert Systems with applications, Vol. 42, No. 4, 2276-2286, 2015 (Elsevier SCI indexed, Impact Factor-1.965).
 - 2) C. Changdar, G.S. Mahapatra, R. K. Pal., A modified ant colony optimization based approach to solve sub-tour constant travelling salesman problem, International Journal of Mathematics in Operational Research, (Inderscience Publishers, Accepted November 2015).
 - 3) C. Changdar, G. S. Mahapatra, R. K. Pal, A modified genetic algorithm approach to solve constrained solid tsp with time window using interval parameter, International Journal of Operational Research, (Inderscience, Publishers-Accepted, August- 2014).
 - 4) C. Changdar, G. S. Mahapatra, R. K. Pal, An Efficient Genetic Algorithm for Multi-Objective Solid Travelling Salesman Problem under Fuzziness, Swarm and Evolutionary Computation, Vol. 15, 27-37, 2014 (Elsevier SCI indexed).

- 5) C. Changdar, G.S. Mahapatra, R.K. Pal, An ant colony optimization approach for binary knapsack problem under fuzziness, Applied Mathematics and Computation, Vol. 223, 243-253, 2013 (Elsevier SCI indexed, Impact Factor- 1.32).
- 6) C. Changdar, M. K. Maiti and M. Maiti, A constrained solid tsp in fuzzy environment: Two heuristic approaches, Iranian Journal of Fuzzy Systems, Vol. 10, No. 1, 1-28, 2013 (SCI indexed, Impact Factor- 0.534).
- 7) C. Changdar, G. S. Mahapatra, R. K. Pal, Solving 0-1 knapsack problem by continuous ACO algorithm, International Journal of Computational Intelligence Studies, Vol. 2, No. 3/4, 333-349, 2013 (Inderscience Publishers).
- 8) C. Changdar, R. K. Pal, G. S. Mahapatra, A genetic ant colony optimization based algorithm for solid multiple travelling salesmen problem in fuzzy rough environment, Soft Computing (Springer, Accepted January 2015).

b) 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:

Chapter in Books: Nil

Books Edited: Nil

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

Citation Index : 4 (Four)

SNIP: Nil

SJR: Nil

Impact factor: **3.814** (Total)

h-index: Nil

20. Areas of consultancy and income generated: NA

21. Faculty as members in: Nil

a) National committees: **Nil.**

b) International Committees: **Nil**

c) Editorial Boards.... : **Nil**

22. Student projects

d) Percentage of students who have done in-house projects including inter departmental/Programme: **100 % (3rd year students)**

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: NA

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

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

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

a) National: **Nil**, b) International: Nil

26. Student profile Programme /course wise:

| Name of the Course/programme (refer question no. 4) | Applications received | Selected | Enrolled | | Pass percentage |
|---|-----------------------|----------|----------|----|-----------------|
| | | | *M | *F | |
| B.Sc. (Hons) Pass out 2015 | 90 | 30 | - | 18 | 100% |
| B.Sc. (Hons) Pass out 2014 | 77 | 25 | | 14 | 100% |
| B.Sc. (Hons) Pass out 2013 | 50 | 25 | | 05 | 100% |
| B.Sc. (Hons) Pass out 2012 | 100 | 25 | | 18 | 100% |
| B.Sc. (Hons) Pass out 2011 | 95 | 25 | | 25 | 100% |

*M = Male *F = Female

27.Diversity of Students

| Name of the Course | % of students from the same state | % of students from other States | % of students from abroad |
|----------------------|-----------------------------------|---------------------------------|---------------------------|
| B.Sc. (Hons.) | 100% | Nil | Nil |

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? 04

29. Student progression

| Student progression | Against % enrolled |
|----------------------------------|--------------------|
| UG to PG | 95% |
| PG to M. Phil. | - |
| PG to Ph.D. | - |
| Ph.D. to Post-Doctoral | - |
| Employed | - |
| • Campus selection | 2-5% |
| • Other than campus recruitment | 60% |
| Entrepreneurship/Self-employment | - |

30. Details of Infrastructural facilities

a) Library :

- Seminar Library : **No. of Books = 380**
- Central Library : **No. of Books= 620**

b) Internet facilities for Staff & Students : **All Staffs & Students**c) Class rooms with ICT facility **02**d) Laboratories **02**

31. Number of students receiving financial assistance from college, university, government or other agencies: 10 per year.

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

33. Teaching methods adopted to improve student learning:

- a) Well equipped Software Laboratories with smart class and Internet facility. All computers are connected with LAN. Many of the computers are facilitate with WI-FI.
- b) Well equipped Hardware Laboratories with sufficient instruments.
- c) Well equipped Class Room with smart class.
- d) Provide 1: 1 Computer with ICT facilities for all the students.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities : Through **NSS and NCC activities.**

35. SWOC analysis of the department and Future plans:

| | |
|---------------|---|
| Strength: | a) Well equipped Software Laboratories with Internet, LAN , WI-FI and Smart Class facilities. b) Well equipped Hardware Laboratories. c) Well equipped Class Room with smart class. d) Well decorated staff room with Internet facility. |
| Weakness: | In comparison to the students strength of the department, space is too short. |
| Opportunity: | a) Scope to organize more Campus interview for various Job in IT sector (In 2016, 03 students were selected for IT job in Wipro). c) Opening of M.Sc. (Computer Science) course. |
| Challenges: | a) To ensure that our students are well equipped to face job at IT sector , Govt. Sector etc. b) Ensure that our maximum students are admitted to PG courses in different Universities. |
| Future Plans: | Opening PG Courses (M.Sc.in Computer Sc. and MCA). |

Evaluative Report of the Department

BCA

| | |
|---|---|
| 1.Name of the department: | BCA |
| 2.Year of Establishment: | 07/09/2000 |
| 3.Names of Programmers / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : | Under Graduate |
| 4.Names of Interdisciplinary courses and the departments/units involved: | N.A |
| 5.Annual/ semester/choice based credit system (programmed wise): | Semester based. |
| 6.Participation of the department in the courses offered by other departments: | <p>The College offers an optional course in computer operation, entitled "Certificate Course in Computer Application and Financial Accounting" of one year duration. The courses attract a good number of students every year.</p> <p>From the academic session 2015-2016, the college has introduced' Mandatory Computer Course' entitled "<i>Hands on Computer</i>" with a view to providing basic knowledge in computer operating for all the students irrespective of stream and courses</p> <p>The faculty members of the BCA Department have been entrusted with the necessary teaching work in this regard apart from their normal Departmental loads as the classes are arranged by the Career Advancement Centre of the College beyond normal class hours.</p> |
| 7. Courses in collaboration with other universities, industries, foreign institutions, etc. : | N.A |
| 8. Details of courses/programmers discontinued (if any) with reasons: | N.A |

9. Number of Teaching posts :

| | Sanctioned | Filled |
|----------------------|------------|--------|
| Professors | Nil | Nil |
| Associate Professors | Nil | Nil |
| Asst. Professors | Nil | Nil |

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

| Name | Qualification | Designation | Specialization | No. of Years of Experience | No. of Ph.D. Students guided for the last 4 years |
|-------------------------|---------------|---------------------------------------|-------------------------------------|----------------------------|---|
| Prof. Sandip Mandal | MCA | Contractual Whole Time Teacher(CW TT) | Computer Design | 18 Year + | N.A. |
| Prof. Moumita Mondal | M.Sc., B.Ed. | Part-Time Teacher (PTT) | Soft Computing | 6 Year + | N.A. |
| Prof. Samiran Acharyya | M.Com., MBA | Guest Lecturer | Accounting, Finance. | 12 year+ | N.A. |
| Prof. Angshumitra Nag | M.A., B.Ed. | Guest Lecturer | Phonetics | 5 Year + | N.A. |
| Prof. Jinia Ghosh | M.Sc. | Guest Lecturer | Bio Informatics | 2 Year + | N.A. |
| Prof. Amita Samanta | MCA | Guest Lecturer | Visual Cryptography & Steganography | 1 Year + | N.A. |
| Prof. Bisweswar Bera | MCA, B.Ed. | Guest Lecturer | Image Processing | 1 Year+ | N.A. |
| Prof. Manisha Mukherjee | M.sc., B.Ed. | Guest Lecturer | OM | 1 Year+ | N.A. |

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

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 60%

13. Student -Teacher Ratio (programme wise): **90:8**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled :

- **Sanctioned** : Nil
- **Filled** : Nil

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG:

- **PG** : **08**
- **M.Phil** : Nil

16. Number of faculty with ongoing projects from: a) National : **Nil**.
b) International funding agencies and grants received: **Nil**.
17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:
- **UGC- CPE Fund** : Nil
 - **BSR** : Nil

18. Research Centre /facility recognized by the University: Nil

19. Publications:

- c) Publication per faculty :
1(one) Paper in international conference.

The list of publication by Amita Samanta:-

- 9) B. Jana, A. Samanta, D. Giri, Hierarchical Visual Secret Sharing Scheme using Steganography, 2nd International Conference on Mathematics and Computing(ICMC), Springer Proceedings in Mathematics & Statistics, Vol. 139,(pp.363-389).

b) 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: Nil

Chapter in Books: Nil

Books Edited: Nil

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

Citation Index: Nil

SNIP: Nil

SJR: Nil

Impact factor: Nil

h-index: Nil

20. Areas of consultancy and income generated: NA

21. Faculty as members in: Nil

a) National committees: Nil.

b) International Committees: Nil

c) Editorial Boards : Nil

22. Student projects

- e) Percentage of students who have done in-house projects including inter

departmental/Programme: **100 % (3rd year students)**

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: NA

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

a) National: NIL

b) International: NIL

26. Student profile Programme /course wise: BCA

| Name of the Course/programme (refer question no. 4) | Applications received | Selected | Enrolled | | Pass percentage |
|---|-----------------------|----------|----------|----|-----------------|
| | | | *M | *F | |
| 2015 | 55 | 28 | | 28 | 82.14 |
| 2014 | 59 | 28 | | 28 | 96.42 |
| 2013 | 53 | 21 | | 21 | 100 |
| 2012 | 61 | 31 | | 31 | 100 |
| 2011 | 53 | 30 | | 30 | 100 |
| | | | | | |

*M = Male *F = Female

27. Diversity of Students

| Name of the Course | % of students from the same state | % of students from other States | % of students from abroad |
|--------------------|-----------------------------------|---------------------------------|---------------------------|
| BCA | 100% | nil | Nil |

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? **Nil**

29. Student progression

| Student progression | Against % enrolled |
|---|--------------------|
| UG to PG | 74% |
| PG to M. Phil. | - |
| PG to Ph.D. | - |
| Ph.D. to Post-Doctoral | - |
| Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment | 6% 60% |
| Entrepreneurship/Self-employment | - |

30. Details of Infrastructural facilities

a) Library :

- Seminar Library :**No. of Books = 198**
- College Library :**No. of Books = 225**

b) Internet facilities for Staff & Students : **All Staffs & Students**c) Class rooms with ICT facility **02**d) Laboratories **02**

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:

Class lecture: Use modern teaching methods in our class room .we use audiovisual aids ,ultra short through projector and smart class and other accessories by which our students becomes acquainted with modern teaching learning methods.

Home assignment: we give regular home assignment to the student so that they have to study at their home too.

Case study: we divide the student into several groups and give them some topics from a chapter .they collect various information on this topic and a group discussion is arranged.

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

35. SWOC analysis of the department and Future plans:

| | |
|--------------|--|
| Strength: | <p>1. Well Equipped Class Rooms with Audio Visual Aids, ultra short through projector and Smart Class</p> <p>2. Well equipped Laboratories.</p> |
| Weakness: | Lack of Man power. |
| Opportunity: | <p>We know that India is an IT power thus it is obvious that the course of B.C.A will provide jobs in the IT sector. The companies such as Wipro, InfoTech, TCS, Satyam and even international companies such as Vodafone and Essar communications are hiring students every year.</p> <p>Also, after completing BCA a student can seek job opportunity in the field of soft ware developer, web designer, system management etc.</p> <p>.</p> |
| Challenge: | To ensure that our students will be able to get job at IT sectors, other Govt. services and they must get the advantage of higher studies. |
| Future Plan: | <p>i) To open Master of Computer Application (M.C.A).</p> <p>ii) To open vocational course related to BCA.</p> <p>.</p> |
| | |

F:

**POST-ACCREDITATION
INITIATIVES**

Post Accreditation Initiatives

The process of re-accreditation by the NAAC peer team has helped the college in all round development in terms of realigning the teaching learning process, strengthening the classroom and laboratory infrastructure, inculcating research culture and enhancing social outreach and extension activities. The second cycle of accreditation of the College was carried out in February 2011. The peer team made recommendations for the quality enhancement of the college by indicating different areas where it was desirable to take initiatives to either enhance the quality or to maintain the existing standards by further strengthening it. The recommendations and the action taken by the college is summarized below-

| Sl. No. | Recommendation of the NAAC peer team | Action Taken |
|---------|--|--|
| 1. | English Language skills for participation in global environment to be strengthened by establishing a Digital Language Lab as a Central Facility. | Digital Language laboratory has been established and is used for enhancing communicative skills. Spoken English has been made mandatory utilizing this infrastructure. |
| 2. | Strengthen research in local History and environment, fine arts and literature. | <p>In the last 5 years, number of research projects in environment has been obtained- two major and one minor projects funded by UGC in pesticide contamination and fishery (Zoology), one project from West Bengal Biodiversity Board (Botany and Zoology) is being carried out.</p> <p>Link has been created with Indian Council of Historical Research (ICHR) and a project has been obtained in the Department of History.</p> <p>Ph.D research work on Diaspora, Indian Theatre and one minor project in Indian English literature is being carried out in the Department of English.</p> <p>Faculty members of the Department of Bengali are engaged in research on Bengali literature and Dr. Sujoy K. Maiti is working on Bengali prose and has obtained D. Lit.</p> |

| Sl. No. | Recommendation of the NAAC peer team | Action Taken |
|---------|---|---|
| 3. | More Job oriented/add on courses to be started (like remote sensing, GIS, BSW, Journalism and Media Studies, Public Relations, Human resource Management, Office Management, Travel and Tourism Management, Applied Yoga, Music and Dance and centres established for Gandhian and Subhas Chandra Bose studies. | Add on Course in Music and Dance, Art and Craft has been initiated by Career Advancement Centre (Training, Counselling cum Placement Cell of the college). We have applied for B.Voc courses under KAUSHAL scheme of UGC. |
| 4. | Qualified permanent faculties to be appointed for all vacant posts. | Requisitions have been sent to College Service Commission on a regular basis for filling up all the vacant posts. Three permanent faculty members have joined in the last five years. |
| 5. | Women Studies Centre, networking and gaining support from university centres in women studies in the region. | Women Cell has been initiated in our college and created links with the Women Studies Centre of the university. |
| 6. | Computer literacy and proficiency in communication skills for all students be made mandatory. | Course in basic Computers and spoken English course has been made mandatory for all students. Computer laboratories of Career Advancement Centre, Departments of BCA, Computer Science, Mathematics and e learning labs are utilized for this training. Language Laboratory is utilized for teaching Spoken English. |
| 7. | Sports facilities to be enhanced. | Outdoor sports facility with eight track lane and stadium has been constructed. Indoor sports facility has been completed. Gymnasium has been completed. Sports fields have been maintained properly. Sports equipments have been procured on a yearly basis. |
| 8. | Eco friendly initiatives in the college be promoted like use of solar energy, water harvesting, green shield and experimental farming. | Solar lights and solar power generation in hostels has been done. Pond inside the campus has been excavated and water harvesting is done. Organic farming has been initiated. Incinerators for environment friendly disposal of waste material has been installed. Plantation of trees are done regularly especially on banomahatsav. Eco club promotes plastic free and tobacco free campus. Fluorescent lamps are being replaced by LED bulbs. Fly ash bricks are used for construction works of the college. |

In addition to the above recommendations of the NAAC peer team, the college has undertaken certain quality sustenance and enhancement measures most of which were indicated in different

sections of the NAAC peer team report. A brief overview such initiatives undertaken is presented below-

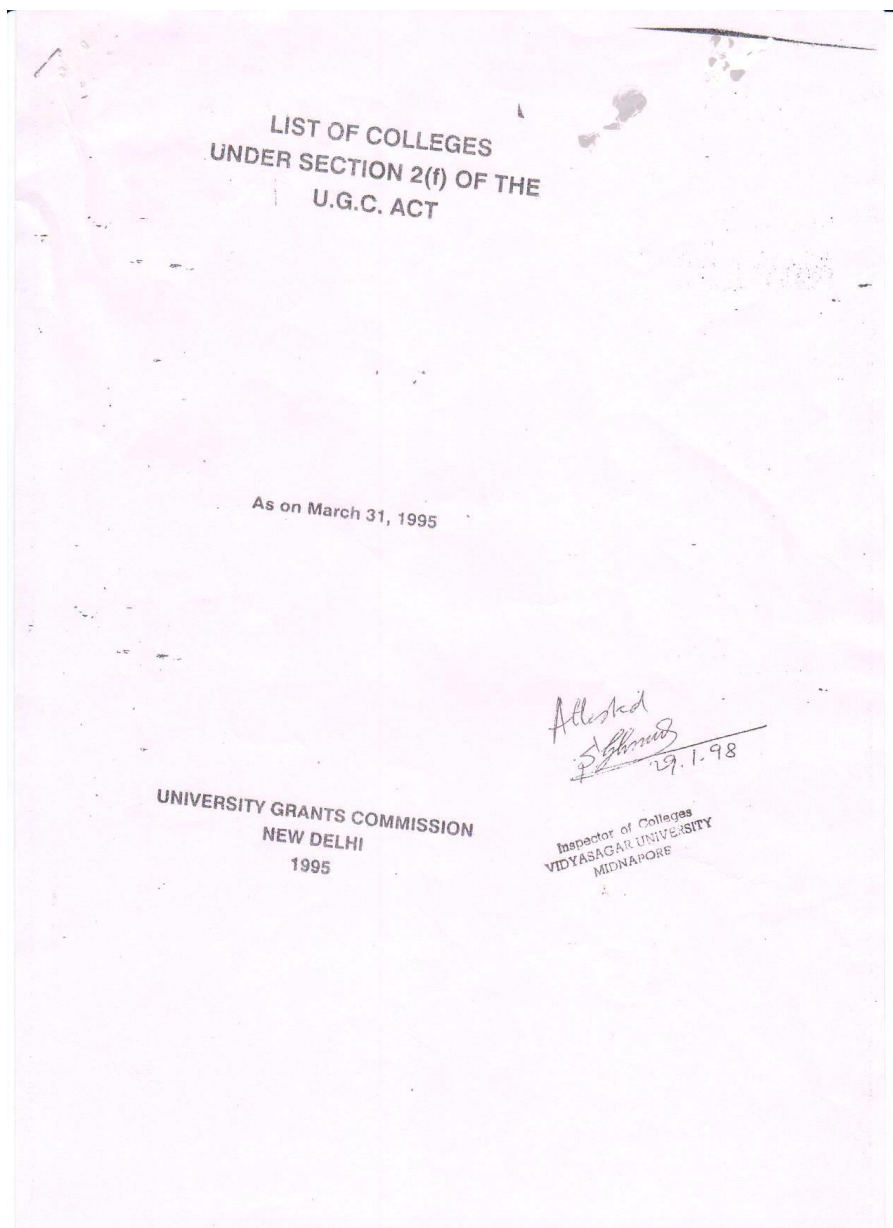
- Online admission has been initiated from 2015-16 academic session.
- Fully computerized cash and accounts section.
- Undergraduate Course in Human Rights has been initiated from 2012.
- The college is on the process of introducing five P.G courses and one U.G course in NSS from the session 2016.
- Initiatives to increase the built-up area have been taken. Built-up area has increased from 28,517 sq mts. to 30,191 sq mts.
- Emphasis has been given to the use of ICT and modern tools in teaching-seventeen smart classes have been set up. Number of LCD projectors has increased to twenty four.
- Up-gradation of all science laboratories with procurement of latest equipments required as per curricula and research have been done from CPE, DST, XIth plan funds, BSR and DBT STAR Schemes.
- e learning laboratory has been initiated with the assistance of DST FIST grant.
- Pictorial Gallery depicting the changing role of women has been established.
- Gurukul in the Department of Sanskrit has been established.
- CD library in the Department of Political Science has been established.
- Museum on Art and Culture in the Department of Bengali has been initiated.
- Mathematical gallery in the Department of Mathematics – an innovative teaching aid has been initiated.
- Language laboratory has been established in the Department of English..
- All the departments have PCs with access to internet. The entire campus is under Wifi.
- LAN connectivity has been strengthened.
- Central Computer Facility has been strengthened.
- Extension of the central library and procurement of books have been done - Built up area has doubled with the addition of the first floor and number of books has increased from 29,024 to 35,656 in the central library. In addition, 8,142 books are present in the seminar libraries in different departments. Extension of library hours from 6.00 P.M to 7.00 P.M has been done. Initiative has been taken to keep it open on Sundays.
- Multygym cum auditorium has been completed.
- Biometric system of attendance has been initiated, only college under Vidyasagar University to do so.
- Entire Campus is under the surveillance of CCTV.
- Biometric system of attendance has been introduced.
- The college has strengthened the Training, Counselling cum Placement cell.Placement drives have been strengthened.
- Solar power generation has been initiated. Solar lights have been installed.
- Incinerators have been installed for waste disposal.
- Organic farming has been initiated in the campus.

G. ANNEXURE

| ANNEXURE | |
|-------------------|--|
| Annexure 1 | 2(f) of UGC |
| Annexure 2 | 12(B) of UGC and University Affiliation Certificate. |
| Annexure 3 | NAAC Certificate and Peer Team Report of the First Cycle of Accreditation (2004). |
| Annexure 4 | NAAC Certificate and Peer Team Report of the Second Cycle of Accreditation (2011) |
| Annexure 5 | Details of Certificate Courses Conducted by the Institution. |
| Annexure 6 | Master Routine of the College for the year 2015-16. |
| Annexure 7 | Master Plan of the College. |
| Annexure 8 | Budget for the year 2015-16. |
| Annexure 9 | Audit Reports of the Last Four Years. |

ANNEXURE – 1: 2(f) OF UGC

| Sl. No. | Name of the College | Date of Establishment | Name of the University under which affiliated | Status 1 | | Status 2 | | |
|---------|---------------------------------|-----------------------|---|----------|-------|----------|---------------|---------|
| | | | | 2(f) | 12(B) | Aided | Self financed | Private |
| 1 | Raja N. L. Khan Women's College | 22.08.1957 | Vidyasagar University | ✓ | ✓ | ✓ | X | X |



VIJAYASAGAR UNIVERSITY, MIDNAPORE
NON-GOVERNMENT COLLEGE

| Sl. No. | Name of the College | Year of Est. |
|---------|---------------------|--------------|
|---------|---------------------|--------------|

A. COLLEGE TEACHING UPTO BACHELOR'S DEGREE

AFFILIATED COLLEGES

1. Bajkul Mahila Mahavidyalaya P.O. Khamet, Bajkul (Midnapore)-721 655
Shri R.G. Maist 1966
2. Tilda College P.O. Tilda, Midnapore
Shri P.W. Das Mahapatra 1963
3. Bhetar College P.O. Bhetar (Midnapore)-721426
Dr. M. Shanja 1963
4. Chandrakona Vidyasagar Mahavidyalaya, P.O. Chandrakona, Dist. Midnapore
Dr. Prabir Kumar Chakraborty 1963
5. Egra Sarada Sati Bhushan College, P.O. Egra (Midnapore)-721429
Shri J.N. Kar 1968
6. Ghetal Babindra Saracharaki Mahavidyalaya, P.O. Ghetal (Midnapore)
Dr. P.K. Basu 1961
7. Gopibeta College Gopibeta (Midnapore)
Shri S. Bagchi 1965
8. Kalibaidyayini College of Commerce, Midnapore-721 101
Shri P. Senyal 1961
9. Kharapur College Kharapur (Midnapore)
Shri S. Sengupta 1969
10. Mahishadal Raj College P.O. Mahi-Shadal (Midnapore)
Dr. R.H. Das 1966

| Sl. No. | Name of the College | Year of Est. |
|---------|---------------------|--------------|
|---------|---------------------|--------------|

11. Midnapore College Midnapore - 721 101
Shri M.S. Roy 1873
12. Royna College, Royna, Midnapore.
Shri Prasanta Kr. Samanta 1972
13. Hugberia Ganpa-Bhar Mahavidyalaya, P.O. Bhalpatinagar Midnapore
Shri G.P. Roy 1964
14. Mahishadal Girls' College Mahishadal District Midnapore
Shri M. Hiera 1969
15. Karajole Raj College P.O. Karajole Midnapore
Dr. P. Sengupta 1966
16. Panskura Banamali College P.O. Panskura (Midnapore)-721152.
Dr. S.S. Kula 1961
17. Pingla Thana Mahavidyalaya PO Naligram (Midnapore) - 721 148
Shri Arun Kumar Chaudhuri 1965
18. Prabhat Kumar College PO Cental (Midnapore)
Dr. M. Sarhan 1926
19. Raja Narendralal Khan Women's College Gopi Place, Midnapore-721 101
Sri Pravakar Sengupta 1957
20. Rannagar College PO Gopal (Midnapore)-721453
Shri Bipati Charan Pradhan 197
21. Sebang Sajani Kanta Mahavidyalaya, PO Lutunia (Midnapore)-721166
Mr. Syamapada Hanna 1970

305

ANNEXURE – 2 : 12(B) OF UGC AND UNIVERSITY AFFILIATION CERTIFICATE

V6/247/70 8th - UGC

उप सचिव
DEPUTY SECRETARY

(10-49)
26.3.90

नगर : मुनिग्रंट्स
GRAMS : UNIVERSITY
विद्यासागर विश्वविद्यालय
बंगालपुर-751002
UNIVERSITY GRANTS COMMISSION
PANAJI SHAM ZAFAR MARG
NEW DELHI-110002

D.O.No. P. 5-17/81 (CPP)/Bada (C) March 1, 1990

Dear Sir,

please refer to your letter No.1150-Edn(U) dated 31st July, 1987 and also this office letter of even number dated 8th July, 1989 regarding declaration of Vidyasagar University, Midnapore, as an institution fit to receive central assistance in terms of the rules framed under Section 12(B) of the UGC Act 1956.

It has been noted that the assets worth more than Rs.2 crores have been created by the State Government for the Vidyasagar University, Midnapore, and that the faculty strength is adequate. It is further noted that the Chief Minister of West Bengal has kindly agreed to the UGC's proposal and has conveyed that the Govt. will appoint a Search Committee for selection to the post of Vice Chancellor. In view of these facts it has been decided to declare Vidyasagar University, Midnapore, fit to receive central assistance for all purposes including institutional development grants in terms of the rules framed under Section 12(B) of the UGC Act. I shall be grateful if further steps in this direction are taken by the State Govt. and the relevant communication etc. are sent to the Commission for record.

With regards,

Yours sincerely,

Dr. AK Chatterjee, IAS
Secretary to the Govt. of
West Bengal,
Education Department,
University Education Branch,
Calcutta.

(P.A. Malik)
p.t.o.

- 2 -

Copy to:

- ✓ 1. Professor M.K.Chatterjee, ✓ Vidyasagar University, Midnapore.
2. Smt. Shobhana Joshi, Deputy Secretary, Ministry of Human Resource Development, Department of Education, Chastri Bhavan, New Delhi.
3. All Officers and sections in the UGC (Main Building), 35 Perwezshah Road, and NET, South Extension, New Delhi.

(P.J.Malik)
Deputy Secretary

Vidya Sagar University, Midnapore

| Name and address of the college | Status | Year of Estb. | Nature of Affiliation | Teaching Upto | Govt or Non Govt | Aided or Unaided |
|---|----------------|---------------|-----------------------|---------------|------------------|------------------|
| Midnapore Law College P.O. Vidyasagar University - 721 102, District Paschim Medinipur West Bengal | 2(f) and 12(B) | 2002 | Permanent | Bachelor's | Non Government | |
| Moyna College Moyna District Midnapore - 721 401 West Bengal | 2(f) and 12(B) | 1972 | Permanent | Bachelor's | Non Government | |
| Mugheria Gangadhar Mahavidyalaya P.O. Bhupatnagar District Midnapore 721 425 West Bengal | 2(f) and 12(B) | 1964 | Permanent | Bachelor's | Non Government | |
| Narajole Raj College Narajole District Midnapore - 721 211 West Bengal | 2(f) and 12(B) | 1966 | Permanent | Bachelor's | Non Government | |
| Panskura Banamali College Panskura District Midnapore - 721 152 West Bengal | 2(f) and 12(B) | 1961 | Permanent | Bachelor's | Non Government | |
| Pingla Thana Mahavidyalaya Maligram District Midnapore -- 721 140 West Bengal | 2(f) and 12(B) | 1965 | Permanent | Bachelor's | Non Government | |
| Prabhat kumar College Contai District Midnapore - 721 481 West Bengal | 2(f) and 12(B) | 1928 | Permanent | Bachelor's | Non Government | |
| Rabindra Satabarsiki Mahavidyalaya Ghatal District Midnapore - 721 211 West Bengal | 2(f) and 12(B) | 1961 | Permanent | Bachelor's | Non Government | |
| Raja Narendralal Khan Women's College Midnapore District Midnapore - 721 102 West Bengal | 2(f) and 12(B) | 1957 | Permanent | Bachelor's | Non Government | |
| Ramnagar College Depal District Midnapore - 721 453 West Bengal | 2(f) and 12(B) | 1972 | Permanent | Bachelor's | Non Government | |

As on 30.11.2015

CPP-1/C

Page 1257 of 1265

ATTESTED



Principal

Raja N. L. Khan Women's College
Midnapore, Paschim Medinipur



VIDYASAGAR UNIVERSITY, MIDNAPORE

P.O.: VIDYASAGAR UNIVERSITY, DIST: PASCHIM MEDINIPUR, PIN 721 102, W.B.

Date : January 25, 2016

TO WHOM IT MAY CONCERN

This is to certify that Raja Narendralal Khan Women's College, Gope Palace, Midnapore, P.O.: Vidyasagar University, Dist: Paschim Medinipur, PIN: 721 102, West Bengal is affiliated to Vidyasagar University since 1985 and recognized by University Grants Commission under section 2(f) & 12B of UGC Act 1956 and the following Courses/Subjects are taught in the said college as per approval:

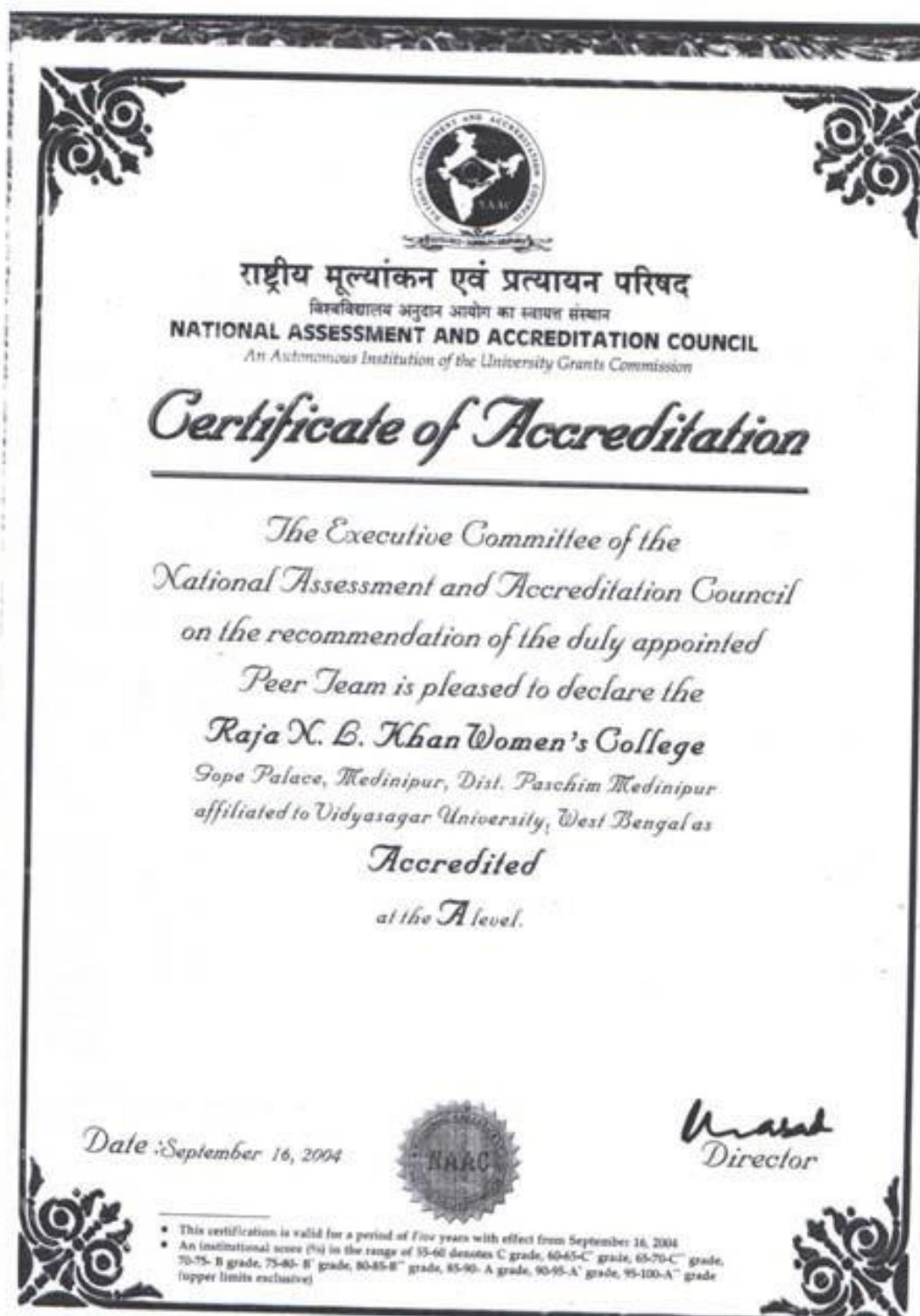
| Sl.No. | Course | Affiliation | | Period of Validity for the year(s) |
|--------|---|-------------|-----------|------------------------------------|
| | | Permanent | Temporary | |
| 01 | 3-year B. A. Honours Degree Course in Bengali, English, History, Philosophy, Political Science, Sanskrit, Geography, Music & Economics. | Permanent | | |
| 02 | 3-year B. A. General Degree Course in Bengali, English, History, Philosophy, Political Science, Sanskrit, Geography, Music, Economics, Hindi, Physical Education & Human Rights. | Permanent | | |
| 03 | 3-year B. Sc. Honours Degree Course in Physics, Chemistry, Mathematics, Computer Science, Zoology, Botany, Physiology, Microbiology & Nutrition. | Permanent | | |
| 04 | 3-year B. Sc. General Degree Course in Physics, Chemistry, Mathematics, Zoology, Botany, Physiology & Computer Science. | Permanent | | |
| 05 | 3-year B C A Degree Course | Permanent | | |
| 06 | 2-year Postgraduate Course: M.Sc. in Zoology | Permanent | | |



(Dr. Jayanta Kishore Nandi)
REGISTRAR
Registrar
Vidyasagar University
Midnapore-721102

Phone: (03222) 276554/555/557/558 Fax No.: (03222) 275329 / 297
Email : vidya295@mail.vidyasagar.ac.in Website : <http://www.vidyasagar.ac.in>

ANNEXURE – 3 :NAAC CERTIFICATE AND PEER TEAM REPORT OF FIRST CYCLE OF ACCREDITATION IN 2004



**REPORT OF THE PEER TEAM
ON
INSTITUTIONAL ASSESSEMNT AND
ACCREDITATION
OF
RAJA NARENDRALAL KHAN WOMEN'S COLLEGE
MIDNAPUR (WEST BENGAL)**

SECTION I : INTRODUCTION

Raja Narendralal Khan Women's College, was established in the Gope Palace of Midnapur in the year 1957 to provide education and enlightenment among the women of the district of Midnapur. The College is providing courses in Arts and Science leading to the Bachelor's degree. The college affiliated to the Vidyasagar University, (which is also situated at Midnapur) is situated in a rural area in a lush green campus spread over an area of 48.82 acres. The institution was recognised under 2(f) and 12 B of the UGC Act, of 1956. The college enjoys the grant-in-aid status of the Government of West Bengal.

The college functioning in an heritage building is named after the Zamindar Raja Narendralal Khan and was the nucleus of the freedom movement during the British rule. It was visited by important national leaders like Mahatma Gandhi, Netaji Subhas Chandra Bose and Pandit Jawaharlal Nehru. The College was established with the blessings and initiative of the then Chief Minister of West Bengal Dr. Bidhan Chandra Roy, who inaugurated the college on 22nd August, 1957.

The college offers 20 programme options at the under graduate level of which there are 19 Pass and 17 Honours courses and 4 vocational

self financed courses. It has 20 departments : Physics, Chemistry, Mathematics, Zoology, B. C. A., Physiology, Microbiology, Sericulture, Computer Science and Botany under the Faculty of Science and English, Bengali, Sanskrit, Economics, History, Hindi, Geography, Political Science, Philosophy and Music under the Faculty of Arts. Out of these, Honours course is offered in the subjects of Botany, Chemistry, Computer Science, Physics, Microbiology, Physiology, Zoology and Mathematics in Science and English, Bengali, History, Geography, Philosophy Sanskrit, Music, Economics and Political Science in Arts. The Honours courses in Microbiology, and Computer Science and the Pass courses in B. C. A. and Sericulture are run under a self financing scheme. The College has been recently given affiliation by the University to run the M. Sc. course in Zoology. The college imparts higher education up to the graduation and post graduation level for girls. There are 95 teachers, of whom 40 are on full-time permanent basis and 55 as guest teachers. Out of 40 permanent teachers 21 are Ph. D Degree holders, and 3 M.Phil degree holders. The number of non-teaching staff is 43, out of which 20 are administrative and 23 are technical. In the year 2003-2004, the student strength consisted of 2044 girls. Most of the students are drawn from the State of West Bengal, while only a few students come from other States.

The total number of working days conforms to the UGC norms. The support services include Central Library, Medical Unit, Sports facilities, Canteen, Cycle Shed, Hostels, Common Room, Guest House, Gymnasium, a store, Generator, two busses, water supply facility, and also full and half feeship for needy and meritorious students. They also have a staff room for teachers, a grievance redressal cell and in-campus accommodation. Besides it has one N. C. C. unit and three units of N. S. S. It also has a research unit called Centre for Natural Studies (C. N. S.).

The college volunteered to be assessed by NAAC, Bangalore, and prepared the Self Study Report which was submitted to NAAC. A Peer Team was constituted by the NAAC to visit the College and validate the Self- Study Report. The Peer Team consisting of Professor S. N. Behera, former Vice-Chancellor of Berhampur University, presently at Bhubaneswar, as Chairperson; Prof. Radhika Raman Sahay, former Professor of Philosophy and Dean of the Faculty of Humanities, Patna University, as member Coordinator; and Prof. Harvir Sharma, Emeritus Professor, in Defence Studies, University Grant Commission at Meerut, Uttar Pradesh, as Member, visited the institution on 10th and 11th September 2004.

Prior to the visit, the Peer Team had carefully gone through the Self Study Report submitted by the College and made a detailed analysis of the facts and figures. During the visit, the team went through all the relevant documents, visited all the departments and laboratories, held discussions with the members of the teaching staff and perused the available facilities of all the Departments as well as the support services of the college. The team also interacted with the members of the Governing Body, the Principal, the members of the non-teaching staff, students, parents and alumni. The academic, co-curricular, sports and extension facilities were reviewed. The Peer Team has drawn up its conclusions on the basis of the above exercise keeping in mind the criteria identified by NAAC. The assessment of the college under various criteria, the commendable features as well as the issues of concern are given below.

SECTION II : CRITERION-WISE ANALYSIS

Criterion I : Curricular Aspects.

The college is required to follow the academic and examination patterns and syllabi determined by Vidyasagar University. The University holds two examinations on the Annual pattern Part I at the end of the second year (on the courses taught in the first two years), and Part II at the end of the third year. In addition of their Honours subjects, the Honours students study two subjects of the general stream for the Part I examination, whereas the general students study three subjects for the Part I and Part – II examination. The college is opening value based education alongwith traditional academic Programmes. The institution is providing (Hons.) degree in Arts and Science. Workshops and seminars are being organised by some of the departments to enriched the academic status of the institution. Exchange programmes are organised at the local level and the guest lecturers from local colleges and other institutions are invited to engage classes in the college and the teachers of this college extends their services by engaging classes in other institutions.

The senior faculty members get the opportunity of making suggestions in respect of the design and structure of courses when invited to the consultative workshops on curricula and syllabi organised by the University. Most of the H.O.Ds are member of the Board of studies of their respective subjects. The syllabi do not yet have scope for the "horizontal mobility" of students. Due to high workload on the teachers and constraints imposed by the timetable and classroom shortage, the college is not able to offer all the possible subject combination smoothly. The college also provides instructions for the compulsory non-core

papers in Bengali (or Alternative English, for those whose mother-tongue is not Bengali) and English for the Part I examination and Environmental Studies for the Part II examination.

Within the frame work of University regulations, the College has taken some innovative initiatives. Although the University syllabi are not on the unit pattern, the teachers of several Departments have unitized course contents and the units are communicated to students in the beginning of the session. Instead of one home examination on the annual pattern at the end of the first year, the college has instituted a semester type modality in the first two years, holding (in the manner of the semester system) the first year home examination in two segments and another home examination around middle of the second year. This helps the students to prepare more systematically and benchmark their readiness for the Part I examination.

CRITERION – II : Teaching – Learning and Evaluation.

Students admission is done through academic needs. The college has audiovisual aids like OHP, Slide Projector, TV and Epidiascopes. Teaching days in the college is 220, working days is 260. The college has the provision for assessing the overall performance of students. The full time teachers are recruited through the West Bengal College Service Commission and the guest teachers are appointed by the Governing Body college as per university and Govt. norms. Out of 40 permanent teachers, 21 are Ph. D holders and 03 M. Phil Degree holders. 14 teachers have attended UGC Refresher Courses and 12 seminars of which 02 are at international level during the last two years. 04 Minor Research Projects have been undertaken by the college faculty. Research linkages are with Ford Foundation, I.I.Sc, Bangalore, I.C.F.R.E., MOEF, Govt. of India etc.

At the National level a number of teachers have participated in Seminars and a few at international level. The college follows the self appraisal method to evaluate the performance of the faculty in teaching, research and institutional programmes.

Under faculty development programme the faculty members of the college attended 14 Refresher Courses, 5 Orientation Programmes. A few faculty members received Minor Research Project and Major Research Project. The number of minor and major research projects allotted to the college are 6.

The teaching staff is being motivated to carry out research investigations in their respective fields. Also, the students are being encouraged to attain symposia organised institution the campus and to attend excursion particularly in the subjects of Geography, Botany and Zoology. Training aids in respect of laboratories are being provided to the students in the Basic Sciences and Humanities.

Criterion III – Research, Consultancy and Extension

The college is recognised a Nodal Centre by the Ministry of Environmental and Forest to carry out research. Such Research Centre is known as “ Centre for Natural Studies”. One N.C.C. unit exists in the college wherein 70 cadets are enrolled. Besides, a large number of students are participating in N.S.S activities throughout the year. There are three units of N.S.S under three programme officers. In Extension activities, the community development, social work, AIDS awareness, adult education and literacy, health and hygiene awareness, blood donation, environmental awareness etc. are being carried out in the

college through N.S.S volunteers. The teachers are granted study leave to pursue research in the college. The Principal has constituted a Research Committee to look into the project proposals.

The total number of research publications by the faculty members within three years are 33. These publications are either in National or International Journals and books.

Seven faculty members of the college are engaged in active research work and Registered for Ph.D. degree in different Universities of West Bengal.

The following two N.C.C cadets joins Republic Day Parade at New Delhi.

(a) Cadet Papun Bhattacharya – 2003

(b) Cadet Nibedita Saha – 2004

A firing range is also situated in the college campus for N.C.C

Seven research scholars are working for Ph.D degree under the supervision of the teacher of this college.

Two candidates are awarded Ph.D. degree (within two years) under the supervision of teachers of the college-one from Vidyasagar University and another from F.R.I. Dehradun.

The following extension activities are undertaken by the college community development, social work, aid awareness, adult education, literacy, health and hygiene awareness, blood donation, environmental awareness.

The college has a separate Research Laboratory cum extension Centre "**Centre for Natural Studies**" where research activities and some

extension activities are carried out. The college has been recognised by the Ministry of Environment and Forest, Government of India as one of the six centers in the country for research in Joint Forest Management activities in active co-ordination with India Institute of Science, Bangalore. The college has the potential to carry out research in the subjects of English, Bengali, Zoology and Geography.

Criterion IV : Infrastructure and Learning Resources

An affiliated college of Vidyasagar University, Raja Narendralal Khan Women's College is a grant-in-aid college located at Midnapore District – Paschim Medinipur of West Bengal. Located in rural area of Midnapur District, it has 48.82 acres area and established in the year 1957. The College has three separate buildings for classroom and laboratory work of Arts, Pure science and Bio-science, besides Teacher's Common Room, Library building, Staff quarters, Teacher's quarters, seven hostels, Principal quarter and administrative building. A building sub – committee monitors the construction, renovation and extension of these buildings. The maintenance of buildings are done out of funds generated from student at the time of admission, besides UGC grants, States Govt. grants and grants from local civic bodies. The office of the college runs in the historical palace of Raja Narendralal Khan, the erstwhile King of Narajole. The palace houses the administrative block and the Principal quarter. To preserve the palace as a heritage building, the college authority has submitted a proposal of new administrative building to the U. G. C. in the 10th plan period.

Besides holding its own classes, the college also runs a study center of Netaji Subhas Open University during weekend without

disrupting its own activities. It also provides its premises for holding various competitive examinations during holidays and Sunday, eg, school service commission & primary school service commission etc. The revenue collected so is used for the maintenance of the infrastructure.

The college has a Central Library with about 28,000 books, a reading room and book bank facility. Besides, Library has reprography, computers, audio – video cassettes and internet facilities as well. The working days of Library is six days in a week from 10.30 a.m. to 4.45 p. m. except holidays and vacation. The Library runs with the help of an Advisory Committee. The college has total 37 computers including 10 in B. C. A. department, 14 in Computer Science department and 5 in general office and rest in different departments. These computers are maintained by the agency through which the computers are purchased. The college has students Health Home in which two doctors visit periodically for consultation and general health check up.

The college has one P. T. I. who supervises various games in the college. The college provides various sports and games equipments to the students with facility of play ground, cricket ground, volley ball ground, badminton court, kho-kho & kabadi court and athletics tracks. Three students of the college participated at the state level games last year. There are seven hostel in the college accommodating about 386 students. The hostel publishes its separate prospects containing detail rules for boarders.

Since the college is in the grant-in-aid category, faculty members are appointed by the West Bengal College Service Commission. Non-

teaching staff and guest teachers are appointed by the Governing Body according to statutory provision.

Criterion V : Student Support and Progression

The college publishes its updated prospectus annually containing short history of the college, aims and objectives, admission criterion, choice of subjects, number of seats, fee structure, eligibility criterion, hostel information, examination schedule etc. The students are admitted in the college as per norms of the University / Government.

Besides the scholarships and financial help provided by the Govt. the college extends full freeship and half freeship and financial help to poor and meritorious students. Various awards and incentives are given to students having extra ordinary performances out of the accrued interest of various term deposits available with the institution. Besides, college maintains a link with some NGOs to help the financially disadvantaged students.

The college has an Alumni Association "Balaka Praktani Samsad" which helps to maintain a continuous link between the college and ex-students. Some of its members are holding important faculty positions in leading Universities of U. S. A., U. K., Japan & Singapore. One of its member is currently posted as Director, Centre of Himalyan Studies. In the last five years three students passed NET, two students passed GATE, one student TOFEL and eight students SLET examinations.

The college collect feedback from students which is used to develop the teaching learning process of the college. The teachers and

students of this college maintain a healthy relationship by interacting and exchanging ideas. The teachers always help and guide the students in their personal and academic matters.

The college provides the following leisure-time facilities to the students. Indoor and outdoor games, nature and debate clubs, magazines, Audio-video facility, cultural programmes, essay writing, dance-music competition etc. It also organised Poster Competition. The college publishes its academic calendar in the beginning of the session. Though the college does not have a career counseling cell, yet the faculty members are in constant touch with students to advise them regarding their career prospects. The following support services are available in the college : Central Library, Computer Centre, Health Home, Indoor & Outdoor game facilities, Canteen, Hostel, Cycle shed, Vehicle Parking shed etc.

The college has a Student's Union. The election is held annually and the elected General Secretary of the Student's Union in one of the ex-officio members of the Governing Body.

There is a Grievance Redressal cell in the college for students. A suggestion box is placed to receive any kind of complaints from students and suitable remedial measures are taken by the concerned authority.

The pass percentage of the students is high which speaks about competent academic counselling. Drop out rate is 20.66% in batch 1 and 05.09% in Batch 2. The success rate is 83.31% in Batch 1 while 86.59% in Batch 2.

The N. S. S. and N. C. C. units of the college undertakes good number of activities, eg, community services, campus cleaning and training students in discipline and combat practices.

The college not only provides class room teachings to its students but required facilities for their all round development. College magazine is published regularly. Students by contributing articles in magazine get a scope to develop their creative talents. Various competitions like dance, music, debate, outdoor & indoor games, poster, youth parliament and eloquence are regular features of the academic calendar of the institution.

The Peer Team appreciates the efforts of the college authority to take up various extension activities and provide various leisure-time facilities to the students. Alumni Association appears to be active but it is suggested that more meaningful interaction between the alumni and parents may be encouraged to get a critical feedback which can be utilized for the improvement of the institution. A strong relation between the alumni and the college will help the institution in generation of funds and placement and training opportunities for students.

Criterion VI : Organisation and Management

The Governing Body of the college has set up seven Standing Committees. The Teacher's Council, a statutory body of the college, has set up 22 sub-committees for day to day functioning of the college. These committees are formed in the beginning of the session in the Teacher's Council meeting which comprises members of the teaching & non-teaching staff. These committees co-ordinate and monitor the

college management. Members of the teaching staff are assigned to look after various administrative work and guide the non-teaching staff in their day to day functioning. In this way the work efficiency of the non-teaching staff is checked.

There is a committee which prepares the academic as well as co-curricular calendar in the beginning of the session. The Principal and various Head of the Departments supervise the effective implementation of the academic and co-curricular activities. Principal and Heads hold frequent meetings to assess the effective implementation of the calendar and judge the work efficiency of the teachers. During the last three years the tuition fees of various courses has been enhanced.

The college has a Grievance Redressal cell for students which meets periodically for the redressal of various complaints of students. The grievances of teaching and non-teaching staff are looked after by a committee formed by the Governing Body.

The following loan facilities are available for the teaching as well as non-teaching staff : (1) interest free loan from their respective G. P. F. (2) Non-refundable loan to employee having 20 years or more service. (3) loan from staff co-operative society.

The college provides various welfare schemes for students and employees. Free studentship is provided to poor and meritorious students and financial assistance to needy and poor students. There is one unit of N. C. C. with 70 cadets and three units of N. S. S. in the college, each units consisting of 100 volunteers. The facility of health check up for students is also available.

The staff co-operative society extends financial help in the form of loan to teachers and non-teaching staff as and when required.

The college receives grants from U. G. C. and State Govt. Besides college generates additional revenue by way of enhanced tuition fee and self-financing courses.

The college prepare its annual budget in the beginning of the financial year and all expenditures are made as per budget. For any major purchase, the sanction of purchase committee is required.

The teachers of the college are appointed by the West Bengal College Service Commission through advertisement as per Government rules and roaster. Part time teachers are appointed by the college authority after the fulfillment of required conditions.

The college has a committee headed by the Principal to supervise the Working of the non-teaching staff and to streamline their work-efficiency.

Peer team is happy to note the co-operation and cordiality between teachers and non-teaching staff. The peer team further appreciates the communication facilities available to the students in the college. The internet, e-mail, telephone etc are accessible to teachers and students. S.T.D booth and Xerox facilities are available in the college for students and teachers.

Criterion VII : Healthy Practices

The college has adopted various mechanism for internal quality checks with reference to academic, administrative and financial issues. The day to day activities are delegated to various committees.

1. The Peer Team has noticed the existence of a significant procedure for intimate checking and monitoring of the academic standard of students by holding half yearly test, periodic test in tutorial classes, group discussions and seminars.
2. The college also organizes various competitions, eg., Debate, eloquence, recitations, youth parliament, painting, sports and cultural.
3. The college has a healthy tradition of holding inter departmental discussions and workshops with active participation by students and teachers.
4. The Teacher's Council holds periodical academic meeting to evaluate and introspect on the academic progress of the college.
5. The college endeavours to imbibe the students with the values of love, fellow feeling, compassion and responsibility by organizing cultural festivals, debate competitions, seminars and workshops. It also tries to instill a sense of discipline among the students by monitoring their attendance in the classes and their participation in various programmes.
6. The various activities undertaken by the N. S. S. volunteers of the college encourages the general students to involve themselves in community activities and discharge various responsibility.
7. For all round personality development of students cultural activities, sports and games, debates are organised frequently. The

participation of students in these activities enforce a sense of discipline and decorum among the students which in turn help in the all round development of the personalities of students.

8. The college is well equipped to impart latest knowledge to the students on science and technology, besides it also gives due emphasis on study of literature, music and culture of our country.
9. To supplement the resources of the college, Departments of B.C.A., Music, Computer Science and Sericulture have been started.
10. The college has a ex-situ Medicinal plant garden and a vermicompost unit.

The Peer Team appreciates that the college has been recognised by the Ministry of Environment & Forest, Govt. of India as one the six such Centers in the country for research in Joint Forest Management activities in active co-ordination with Indian Institute of Science, Bangalore. One research scholar of the college has been awarded Ph. D degree from Vidyasagar University and another from FRI, Dehradun.

SECTION III : OVERALL ANALYSIS

The Peer Team after going through the Self-Study Report and after visits to various academic and physical facilities in the college is of the opinion that the college has earned a reputation for academic soundness and imparting a sense of discipline to the younger generation.

The Peer Team would like to commend the institution in the following areas :

- Encouragement and support given by the Management to the Institution, in maintaining an excellent environment and a lush green ambiance, thus providing an ideal study atmosphere.
- Dedication and commitment of the faculty and non-teaching staff.
- Effective leadership for maintaining good human relationship, between students and teachers.
- Facilitating and promoting student participation in co-curricular activities, social work, community oriented work, personality development programmes, sports and cultural activities.
- The faculty of the college are generally devoted and committed in undertaking many useful activities besides teaching and research, such as field visit, educational tours, arranging seminars, conferences and workshops, and also in bringing eminent academicians from other famous institutions, to address the students and teachers of the college.

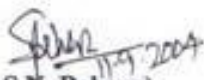
The Peer Team would like to suggest the college to consider the following.


- The college may explore a little more the possibility of developing skills through OJT (On Job Training) with GOs (Government Organisations) and private sector firms so that the learning process becomes more intensive and enjoyable.
- Formal mechanism of self-appraisal of teachers be activated at regular intervals.
- Sports may be geared up further, especially with reference to participation by girls of tribal sections with natural affinity for such activities.

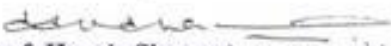
- The Alumni Association may be activated further to play a pro-active role in the overall development of the college.
- While the achievements of some faculty members in research are commendable more teachers may be encouraged towards research work and undertaking minor research projects in order to take the College to newer heights of knowledge.
- The Central Library should be enriched with the addition of new books and current journals in all subjects.
- Construction of more girls hostels be taken up on priority basis, keeping in mind the large number of students coming from rural areas.
- Frequent internet access facilities should be made available for students and teachers at subsidised rates.
- The student assessment of the teachers be introduced and incorporated into the overall assessment procedure of the faculty
- Guidance Cell for higher studies and job opportunities be established for the benefit of students.
- While appreciating the efforts of the College in opening post graduate studies in Zoology, the college authority should plan for introducing Post Graduate programmes in few more subjects with strong initiative
- The college should plan to establish a well equipped Computer Centre for providing Computer training to interested students of the College and for promoting Information Technology (IT) enabled education.
- The Office and Library management system need to be further computerized, and more personal trained in use of computers

- For smooth running of the classes and widening the range of available subject combinations, some more Part-time teachers should be appointed, where ever the number of full time teachers is small.
- Considering the availability of excellent infrastructure and academic performance the college is urged to make all out efforts to attain the autonomous status of the UGC.


The Peer Team is impressed by the progress made by the College so far. The Peer Team wishes the College authorities all the best in their efforts to improve the different activities. The team further records its deep appreciation for the whole hearted co-operation, support and goodwill extended to the members of the Peer Team by the Management, the Principal and all the constituents of the College. The Peer Team wishes the College all the best in its efforts to reach to greater heights.


 (Prof. S.N. Behera)
 Chairperson


 (Prof. R.R. Sahay)
 Member-Coordinator


 (Prof. Harvir Sharma)
 Member

I accept the report of the NAAC Peer Team


 Dr. Uday Chand Pal
 Principal

Raja N. L. Khan Women's College
 Midnapore (West Bengal)



MIDNAPORE (W.B)

Dated 11th September, 2004.

ANNEXURE – 4 : NAAC CERTIFICATE AND PEER TEAM REPORT-2011



| PEER TEAM REPORT ON | |
|--|---|
| Institutional Accreditation of Raja N. L. Khan Women's College | |
| Place : Gope Palace, Pin 721102, State : West Bengal | |
| 1.1 | Name and address of the Institution Raja Narendra Lal Khan Women's College, Gope Palace, Midnapore, West Bengal – 721102 |
| Section I : GENERAL | |
| 1.1 | Name and address of the Institution Raja Narendra Lal Khan Women's College, Gope Palace, Midnapore, West Bengal – 721102 |
| 1.2 | Year of Establishment 22 nd August, 1957 |
| 1.3 | Current Academic Activities at the Institution (Numbers) |
| | • Faculties / Schools : 02 |
| | • Departments/centres : 21 |
| | • Programmes / courses offered : 24 |
| | • Permanent Faculty members : 44 |
| | • Permanent Support Staff : 37 |
| | • Students : 2475 |
| 1.4 | Three major features in the institutional context (As perceived by the Peer Team) |
| | <ul style="list-style-type: none"> • The College is located in the outskirts of Midnapore Town and aims at educating and empowering rural women. • The College has healthy atmosphere with great understanding between the students, staff and community. • The College is the outcome of the legacy of Raja N. L. Khan's family in terms of Palace and 46.86 acres of land. |
| 1.5 | Dates of visit of the Peer Team (A detailed visit schedule may be included as annexure) 7 th – 9 th February 2011 (Annexure attached) |
| 1.6 | Composition of the Peer Team Members |
| | Chairperson : Dr. K. (Ms.) Nirupa Rani Former Vice Chancellor, Adikavi Nannaya University, Professor of English, Andhra University, Waltair. |
| | Member Co-ordinator : Dr. Sister Doris D'Souza A.C., Principal, Patna Women's College, Patna |
| | Member : Prof. Sudha Rai, Head, Department of English and Dean, Faculty of Arts, University of Rajasthan |
| | NAAC Officer : Dr. Ganesh Hegde, Assistant Advisor, NAAC |

Section II Criterion wise Analysis

Observations (Strengths and / or Weaknesses) on Key-Aspects

*(Please limit to three major ones for each and use telegraphic language
(It is not necessary to indicate all the three bullets each time; write only the relevant ones)*

| | |
|--|---|
| 2.1 Curricular Aspects 2.1.1 Curricular Design and Development | <ul style="list-style-type: none"> • Curriculum determined by Vidyasagar University. • The College has introduced 05 self-financed programmes i.e. Microbiology, Nutrition, BCA, Computer Science and Physical Education. • Limited use of ICT. |
| 2.1.2 Academic Flexibility | <ul style="list-style-type: none"> • Effective implementation of revised annual / semester system. • Limited options available for students to select the academic programmes. • Certificate/Add-on courses may be introduced for value addition and course enrichment. |
| 2.1.3 Feedback on Curriculum | <ul style="list-style-type: none"> • Feedback is analysed by histogram and discussed in academic committee meetings. Feedback system from all the stakeholders needs to be strengthened. • Analysis of feedback be further pursued for integration. |
| 2.1.4 Curriculum Update | <ul style="list-style-type: none"> • The curriculum last revised in 2006. • Practical skill component be augmented with field trips. |
| 2.1.5 Best Practices in Curricular aspects (if any) | <ul style="list-style-type: none"> • The College has introduced three interdisciplinary courses. • Internal assessment of the students has been introduced. |
| 2.2 Teaching-Learning and Evaluation 2.2.1 Admission Process and Student Profile | <ul style="list-style-type: none"> • Transparent system of Admission based on merit and rules of reservation. • Advertisement through prospectus, College website, regional newspapers. Merit list displayed on notice board. • Provision for Half/Full free studentship for disadvantaged students. |

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| 2.2.2 Catering to the diverse needs | <ul style="list-style-type: none"> • Tutorial and Remedial classes on every week end. • Financial help to poor students from student's welfare fund given. • The college offers career and psychological counselling. • Mentoring system in implementation needs to be streamlined. |
| 2.2.3 Teaching-Learning Process | <ul style="list-style-type: none"> • Teaching-learning process is planned and regulated by an academic sub-committee with all Departmental heads as members. • Academic calendar developed. • Teaching methods be improved with smart class and ICT integration. • More budget allocation for Departmental libraries. |
| 2.2.4 Teacher Quality | <ul style="list-style-type: none"> • Teacher recruitment through the West Bengal College Service Commission. • Presently 44 permanent teachers against 59 sanctioned posts and 79 temporary teachers are working. • 19 teachers have Ph.D. and 06 have M.Phil as highest degree. Two teachers pursuing Ph.D. under FIP. • Training in multimedia be emphasized. |
| 2.2.5 Evaluation Process and Reforms | <ul style="list-style-type: none"> • Vidyasagar University introduced the three-tier examination system w.e.f. 2006. • The Academic Sub-committee prepares the plan for internal assessment. • For better implementation, communication of evaluation and redressal mechanisms be reviewed. |
| 2.2.6 Best Practices in Teaching-Learning and Evaluation (if any) : | <ul style="list-style-type: none"> • Uniform Academic calendar approved by the Academic sub-committee is sent to each department at the beginning of the academic year and is strictly adhered to. • Academic audit report prepared by each department is submitted to concerned authorities for action. |
| 2.3 Research, Consultancy and | <ul style="list-style-type: none"> • Affiliating University has recognized |

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| <p>Extension</p> <p>2.3.1 Promotion of Research</p> | <p>some teachers as Research Supervisors.</p> <ul style="list-style-type: none"> • Research committee present. • Rs. 20,000/- is allocated per year to promote research among students. • Teachers collaborate with other universities of West Bengal and other States for research initiatives. |
| <p>2.3.2 Research and Publications Output</p> | <ul style="list-style-type: none"> • 6 completed and 3 ongoing Minor Research Projects. Achievement of Research scholars impressive. • Modest research output and content development for distance mode. • Teachers need to strive to procure major research project from different funding agencies. |
| <p>2.3.3 Consultancy</p> | <ul style="list-style-type: none"> • The College appears to have limited consultancy activity. • Teachers are rewarded on the occasion of Foundation Day for their valued services. |
| <p>2.3.4 Extension Activities</p> | <ul style="list-style-type: none"> • The College has a vibrant NCC contingent and 3 units of NSS. • Seminars, blood donation camps, tree plantation and awareness programmes conducted on regular basis by NSS. Proper documentation of involvement in community activity be emphasized. • Eco club may be formed. |
| <p>2.3.5 Collaborations :</p> | <ul style="list-style-type: none"> • Moderate collaborations and linkages with neighboring Universities, institutes and corporate bodies initiated. |
| <p>2.3.6 Best Practices in Research, Consultancy and Extension (if any)</p> | <ul style="list-style-type: none"> • Central Research Facility has been initiated. • During the last 5 years, 8 National and one International Seminar have been organized. • Attention paid to local culture, heritage and environment in research |
| <p>2.4 Infrastructure and Learning Resources</p> <p>2.4.1 Physical Facilities for Learning</p> | <ul style="list-style-type: none"> • Infrastructure for Science subjects adequate. • Newly established Science Labs and Career Advancement Centre |

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|-------------------------------------|--|
| | <p>deserve special mention.</p> <ul style="list-style-type: none"> Facilities like a gym, stadium, new building for a central library, 100 seater hostel and quarters for staff added. There is a building committee to monitor the construction, renovation and extension of the buildings. |
| 2.4.2 Maintenance of Infrastructure | <ul style="list-style-type: none"> Budget allocation made on the basis of estimated income from the funding agencies and revenue generated from self-financed courses. There is a separate fund contributed by the Heritage commission for maintenance and repair of the college administrative building identified as heritage building. Maintenance of all other college buildings are taken care of by a committee constituted for this purpose. Plan prepared to utilize the infrastructure optimally. |
| 2.4.3 Library as learning resource | <ul style="list-style-type: none"> The library is partially automated with SOUL software. Reprographic facilities available. By way of e-resources only INFLIBNET is available. No inter-library borrowing facility. More books in English for all subjects to be purchased. Functioning of library hours catered and budget allocation made inadequate to the growing needs. |
| 2.4.4 ICT as Learning Resources | <ul style="list-style-type: none"> There is a central computing facility under Career Advancement Centre with 15 computers with internet that needs expansion. Overall, the College has 132 computers, including those in the academic and administrative blocks. Language Laboratory and multimedia facility to be set up. |
| 2.4.5 Other Facilities | <ul style="list-style-type: none"> Seven hostels accommodating 322 students. Indoor / outdoor games facilities available. Students participate in |

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| | <ul style="list-style-type: none"> inter-collegiate and inter-state sports events. Moderate facilities available for Health care, vehicle parking, canteen, drinking water and transport. |
| 2.4.6 Best Practices in the Development of Infrastructure and learning Resources (if any). | <ul style="list-style-type: none"> Additional infrastructure added in the last 5 years, e.g. Women's hostel, Multi-gym and Central library. Some of the science laboratories modernized. Day care centre set up through UGC grant. |
| 2.5 Student support and Progression 2.5.1 Student progression | <ul style="list-style-type: none"> Remedial coaching(sponsored under the UGC scheme) is being implemented for the last two years. Sensitivity to students socio-economic profile. Institutional academic excellence visible in certain departments. |
| 2.5.2 Student support | <ul style="list-style-type: none"> Student placement, counseling, and Grievance Redressal Cells available. Institutional provision for strengthening student welfare needs. Provision for mandatory computer literacy for all students. Attention be paid to developing life skill and personality development. |
| 2.5.3 Student activities | <ul style="list-style-type: none"> Registered Alumni Association exists since 2002. The Alumni Association contributes to the students aid fund and has donated Rs. 2,50,000 for construction of the library building. The College has an elected student union that organizes student activities only. Days of importance are marked by celebration with cultural activities. Students should be encouraged to 'Earn while they learn'. |
| 2.5.4 Best Practices in Student Support and Progression (if any) : | <ul style="list-style-type: none"> Catering to the needs of rural students. Financial assistance to poor meritorious students. Career Advancement Centre |

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| | initiatives. |
| 2.6 Governance and Leadership | |
| 2.6.1 Institutional Vision and Leadership | <ul style="list-style-type: none"> • Vision and mission in tune with the objectives of Higher Education policies. • The Management encourages employees to strive for excellence. • Management should try to generate funds from all possible sources. |
| 2.6.2 Organizational Arrangements | <ul style="list-style-type: none"> • The Governing Body, which is the highest policy making body, provides overall guidance. • Teachers' council and various sub-committees deal with academic matters. • Organizational structures need revamping. |
| 2.6.3 Strategy Development and Deployment ; | <ul style="list-style-type: none"> • There is a Planning and Development council which plans for development and places the minutes of its meetings for consideration before the finance committee. • MIS be developed. • Feedback taken be used for performance improvement. • Inter-departmental interaction and co-operation for the benefit of students and faculty. |
| 2.6.4 Human Resource Management | <ul style="list-style-type: none"> • Welfare measures – loan facility for staff members through registered Staff Cooperative. • The College encourages the faculty to pursue research and attend seminars and workshops. • Criteria for employing part-time faculty is in place. • Attention be paid to support and ensure the professional development of faculty. |
| 2.6.5 Financial Management and Resource Mobilization | <ul style="list-style-type: none"> • Finance committee constituted by the GB, takes the financial decisions. • Accounts audited regularly. • Finance management system is computerized. • The college to be proactive in networking with NGOs and GOs for support. |

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| 2.6.6 Best Practices in Governance and Leadership (if any). | <ul style="list-style-type: none"> • There is concern for quality enhancement. • Empathy for students needs. |
| 2.7 Innovative Practices | |
| 2.7.1 Internal Quality Assurance System | <ul style="list-style-type: none"> • IQAC of the college be functional as per NAAC guidelines. • Value addition to learning and quality enhancement of the students. |
| 2.7.2 Inclusive Practices | <ul style="list-style-type: none"> • During recruitment of staff, roster system is rigidly followed. • The College records the incremental academic growth of disadvantaged students. • Special efforts to achieve gender balance while appointing teaching and non-teaching staff be made. • Adoption of interventional strategies for the overall development of tribal students. |
| 2.7.3 Stakeholder Relationships | <ul style="list-style-type: none"> • Overall environment conducive for learning. • Stakeholders satisfaction about benchmarking updates of their wards. • Vision be developed for future expansion based on socioeconomic needs of the region. |

| Section III: OVERALL ANALYSIS | |
|---------------------------------|---|
| 3.1 Institutional Strengths | <ul style="list-style-type: none"> • Imparting education to socially / financially backward girl students. • Genuine efforts to create good infrastructure and other facilities. • Goodwill of the community around. • Substantial DST-FIST Grant for advancement of science departments. |
| 3.2 Institutional Weaknesses | <ul style="list-style-type: none"> • Lack of major research projects from various funding agencies and sound networking system. • Range of academic programmes limited. • Resource generation needs to be improved further. |
| 3.3 Institutional challenges | <ul style="list-style-type: none"> • New UG, PG and job-oriented courses to be introduced. • Placement drives to be enhanced in diverse fields. • UGC Career oriented / Innovative programme schemes to be taken advantage of. • On the job training to be initiated. |
| 3.4 Institutional opportunities | <ul style="list-style-type: none"> • Scope for more Self-financing courses at UG level. • Orientation of undergraduate students and teachers to increase relatedness to society and enhancing employability skills. • Extension services in the areas of literacy and health. |

| Section IV Recommendations for Quality Enhancement of the Institution | |
|--|--|
| <ul style="list-style-type: none"> English language skills for participation in global environment to be strengthened by establishing a Digital Language Lab as a Central facility. Strengthen researches in local history and environment; fine arts and literature. More job oriented / add – on courses to be started (like remote sensing, GIS, BSW, Journalism & Media Studies, Public relations, Human Resource Management, Office Management, Travel & Tourism Management, Applied Yoga, Music & Dance) and centres established for Gandhian and Subhas Chandra Bose studies. Qualified permanent faculty to be appointed for all vacant posts. Expand the use of e-resources. Women's Studies Centre , networking and gaining support from university centres in womens studies in the region. Computer literacy and proficiency in communication skills for all students be made mandatory. Sports facilities to be enhanced. Eco-friendly initiative in the college be promoted like use of solar energy, water harvesting, green shield and experimental farming | |

I agree with the observations of the Peer Team as mentioned in this report.



Hyderabad 10.02.11
 Signature of the Head of the Institution
 Seal of the Institution
 Principal
 Raja N. L. Khan Women's College
 Midnapore

| Name and Designation | | Signature with date |
|---|-------------------------|------------------------------------|
| Dr. K. (Ms.) Nirupa Rani (Former Vice Chancellor, Adikavi Nannaya University) Professor of English, Andhra University, Waltair, | Chairperson | K. Nirupa Rani 9/2/2011 |
| Dr. Sister Doris D'Souza A.C., Principal, Patna Women's College, Patna | Member Coordinator | Sister D. D'Souza A.C. 09/02/11 |
| Prof. Sudha Rai, Head, Department of English and Dean, Faculty of Arts, University of Rajasthan | Member | Sudha Rai 9/02/11 |
| NAAC Officer Dr. Ganesh Hegde, | Assistant Advisor, NAAC | |

Place : Gope Place,
Midnapore, West Bengal

Date : 09.02.2011

ANNEXURE -5 : SYLLABUS OF CERTIFICATE COURSES

Module I – HANDS ON COMPUTERS --20 hours.

1. FUNDAMENTALS OF COMPUTER

- a) What is computer?
- b) Computer Software and Hardware.
- c) Block diagram of computer.
- d) C.P.U., Input and Output device, Memory.
- e) Number System.

2. OPERATING SYSTEM

MS-Dos

- a) Internal and external command.
- b) Directory structure.
- c) Creating and running simple batch files.
- d) Edit.
- e) General command like DATE, TIME, TYPE, VERB etc.
- f) Filters MORE.

WINDOWS XP

- a) Introduction, Desktop features, Folder creation etc.
- b) Taskbar features, Explorer.
- c) Windows Accessories, Notepad Editor.
- d) WordPad : Working with documents and text, Formatting text, Printing etc.
- e) Paint

3. MS-WORD

- a) Introduction of MS-WORD.
- b) Creating, Editing, Printing.
- c) Page layout
- d) Formatting text and paragraph.
- e) Checking Spelling, Grammar etc.
- f) Bullets and Numbering.
- g) Insert Symbols.
- h) Borders and shading.
- i) Drop Cap.
- j) Creating and modifying tables.
- k) Header and Footer.

- l) Word art.
- m) Drawing.
- n) Comment.
- o) Mail Marge.
- p) Hyperlink.

4. MS-EXCEL

- a) Introduction of MS-EXCEL.
- b) Creating, Editing, Printing.
- c) Page layout, Formatting text
- d) Calculate Sum, Average, Grade calculation etc.
- e) Sort
- f) Filter.
- g) More about Excel library functions.
- h) Creating and generating Chart Using Datasheet or Wizard.

Module II- INFORMATION TECHNOLOGY -24 hours

1. C – Language

- a) Introduction about C-language.
- b) Data type.
- c) Operator.
- d) If statements, switch case.
- e) Go to statement.
- f) Loops: do-while, while, for.
- g) Pointer.
- h) Function.
- i) Structure.
- j) File.

2. C++

- a) Introduction about C++
- b) C++ Program structure.
- c) Class and object.
- d) Function Overloading.
- e) Constructor and Destructor.
- f) Operator Overloading.
- g) Inheritance.

3. HTML

- a) What is HTML.
- b) Structures of HTML program.
- c) Uses of Different tags with examples.
- d) HTML Tables.
- e) HTML Frames.
- f) HTML Forms

Module III –FINANCIAL ACCOUNTING

- 1. Tally 9.0, e- Banking.
- 2. HTML
 - a) What is HTML?
 - b) Structures of HTML program.
 - c) Uses of Different tags with examples.
 - d) HTML Table.
 - e) HTML Frames.
 - f) HTML Forms.
- 3. Java

SPOKEN ENGLISH

CAREER ADVANCEMENT CENTRE

RAJA N.L. KHAN WOMEN'S COLLEGE

COURSE STRUCTURE OF SPOKEN ENGLISH

Vocabulary expression by following steps:

Basic grammar and grammar of words

- a. Sentence forms , question forms ,negative forms .
- b. Tense and time. ~~The use of~~
- c. Article and preposition s.
- d. Principles of sentence structure (construction).

Activity

- a. Topic discussion .
- b. Conversation.
- c. Speech and debate.
- d. Group discussion .
- e. Role plays (amplification on Expansion of thoughts).
- f. Soft skill and handling situation.
- g. News reading .
- h. Interview training.

Expression

- a. Reading mouth exercise.
- b. Phonetic development.
- c. Mother tongue influence.
- d. Voice modulation through voice and accent training

Listening:

Dictation,FAQ

Personality development and body language.

Grooming

Clarification of doubts .

Exam : Voice evaluation, Personal interview, Dictation

CERTIFICATE COURSE IN DANCE

Purpose :-

To promote local Cultural and Heritage and also to encourage our students to learn about the socio-dynamic Cultural aspects of our country, through the systematic study of Dance.

Duration: - 2 years divided in to 4 semesters of 6 months duration.

Syllabus: - The course will be divided on two parts theoretical and practical.

Practical:-

| 1) Bharat Natyam | 2) Oddisi | 3) Folk | 4) Creative |
|--|--|--|---|
| Basic Steps, Some short and preliminary items. | Basic Steps, Some short and preliminary items. | Basic Steps, Some short and preliminary items. | Composition on Tagore songs Contemporary creative presentation based on analgametic techniques |

Theoretical:-

- History of Dance .(Indian Dance)
- Natya Sastra and Abhinaya Darpan.
- Types of Bengali folk dances.
 - Importance of Sri. Rabindranath Tagore.
 - Importance of Sri. Uday Shankar.
 - Importance of Sri. Guru Sadai Dutta.

Expert View:-

1. Smt. Snigtha Pal (Dancer, Theoretician)
2. Dr. Tarun Pradhan (Dept- Drama, Rabindra Bharati University).
3. Dr. Puspita Mukharjee (Dept- Drama, Rabindra Bharati University).
4. Dr. Mohua Mukhopadhyaya (Dept -.Dance Rabindra Bharati University).
5. Sri Kaushik Chakraborty (Eminent Dancer).

SOFT TOY MAKING :- 2015- 2016**Syllabus**

| 1st step | |
|----------------------------|--------------------------|
| SL.NO. | <i>ITEAM NAME</i> |
| 1. | Rabbit |
| 2. | Squirrel |
| 3. | Tortoise |
| 4. | Dolphin |
| 2nd step | |
| SL.NO. | <i>ITEAM NAME</i> |
| 1. | Bird |
| 2. | Penguin |
| 3. | Dog |
| 4. | Duck |
| 3rd step | |
| SL.NO. | <i>ITEAM NAME</i> |
| 1. | Teddy |
| 2. | Bunny |
| 3. | Monkey |
| 4th step | |
| SL.NO. | <i>ITEAM NAME</i> |
| 1. | Zebra |
| 2. | Kangaroo |
| 3. | Kakatua bird |

ANNEXURE – 6 :Master Routine for the Session 2015-2016

| Monday | 1 10.15-11.15 | 2 11.15-12.15 | 3 12.15-1.15 | 4 1.15-2.15 | 2.15- 2.45 | 5 2.45-3.45 | 6 3.45-4.45 |
|---------------------------------|---|--|--|---|-----------------------|---|---|
| 1 st Yr. Arts | GeoH--Lab GeoP-Lab | EngH-A/1 EngH-A/15 BengH-A/2 BengH-A/17 HistH-A/16 SansH-A/14 PolH-A/13 EcoH-A/3 PhilH-A/20 GeoH-Lab MusicH-19 | HistP-A/7 EcoP-A/2 PhilP-A/9 | SansP-A/8 PolP-A/7 MusicP- Phy.Ed.-A/1 H.R.-A/14E | Games/Library/Seminar | GeoH--Lab GeoP-Lab EngP-A/1 HindiP-14E BengP-A/13 BengP-A/14 | GeoH--Lab GeoP-Lab |
| 1 st Year Pure Sc | Chem H P3 Phys H —————→ MathH A10 CompH lab | Chem H —————→ Math H A9 Comp H lab | Phys H P5 Math H P4 Comp H lab | Math H P4 Math P P5 | | Chem H P3 Phys H P5 Comp H —————→ Math H P4 | Chem H P3 Phys H P5 —————→ Math H A9 |
| 1 st Year Bio Sc | Zoo H B1 Zoo P A13 | Bot P GE —————→ Zoo P GB —————→ Phy P GF —————→ Nut H lab Phy H B1TT | —————→ —————→ —————→ Nut H lab Phy H B1MC | Bot H Th1 Bot P B1 Nut H lab Micro H B2 | | Bot H Zoo H PhyHTT+G —————→ Nut H Micro H | —————→ |
| 2 nd Yr. Arts | HistP-A/8 EcoP-A/3 PhilP-A/ 7 | GeoH-Lab GeoP-Lab EngH-A/8 EngP-LL BengH-A/11 BengP-A/7 HindiP-14E | EngH-A/15 BengH-A/17 HistH-A/18 SansH-A/14 PolH-A/19 EcoH-A/20 PhilH-A/13 GeoH-Lab MusicH- | SansP-A/7 PolP-A/14 MusicP- Phy.Ed.-A/2 H.R. A/12 SansH-A/18 PolH-A/13 MusicH- | | HistP-A/10 EcoP-A/14D PhilP-A/9 HistH-A/8 EcoH-A/3 PhilH-A/7 | EngH-A/8 BengH-A/17 GeoH-Lab |
| 2 nd Year Pure Sc | Chem H P5 Chem —————→ P(Phy+G) Math HP4 CompH lab | Chem H P3 —————→ Comp H lab Math H P4 | Chem H P3 Phys H P2 PhysP(Comp+ G) Chem P(Math) —————→ Comp H lab | Phys H P2 Chem H P3 —————→ | | Chem H —————→ Chem P(Bio) —————→ Phys H —————→ Phys —————→ P(Math) —————→ CompH Lab Comp P(Bio) | —————→ —————→ —————→ Comp H Lab —————→ |
| 2 nd Year Bio Sc | Bot P GA —————→ Zoo P GB —————→ Phy P GD —————→ MicroH lab Zoo H B2 Phy H B3 | —————→ —————→ —————→ Micro H lab Zoo H B2 Phy H labMC | Micro H lab Zoo H B2 Phy H B3TT Bot H Th1 Nut H lab | Phy H P3GD Phy P A10 | | Chem P (Bio) —————→ Comp P —————→ (Bio) | —————→ |
| 3 rd Yr. Arts | EngH-A/15 BengH-11 HistH-H/16 SansH-A/5 PolH-A/6 EcoH-A/3 PhilHA/4 GeoH-Lab MusicH- | HistP-A/12 EcoP-A/14D PhilP-A/4 | Comp EngA/10 | BengH-A/11 BengP- A/14D EngH-A/15 EngP-LL Geo-H-Lab Geo-PLAB | | SansP-A/5 PolP-A/6 MusicP- Phy.Ed-A/2. H.R-A/12 | EngH-A/15 BengH-A/11 HistH-A/16 SansH-A/13 PolH-A/2 EcoH-A/3 PhilH-A/14 GeoH-Lab MusicH |
| 3 rd Yr. Pure Sc. | | Chem H P5 Phys H P2 Math H lab Comp H lab Comp P lab | Comp Eng A/8 | Chem H P2 Phys H A18 Math H LAB Comp H LAB | | Chem H —————→ Phys H —————→ Math H —————→ Comp H —————→ Math P | —————→ —————→ —————→ —————→ |

| | | | | | | | |
|------------------------|--|--|--|--|--|---|-----------------------|
| | | | | Chem P P1 | | | |
| 3 rd Bio Sc | | Micro H lab Zoo H lab Phy H lab Bot HTh1 Nut H lab Zoo P B3 | | Micro H LAB Zoo H LAB Phy H LAB Bot H LAB Nut H LAB Phy P B3 | | Micro H Zoo H Phy HMC Bot H Nut H | → → → → → |

Routine for the session 2015-2016

| Tuesday | 1 10.15-11.15 | 2 11.15-12.15 | 3 12.15-1.15 | 4 1.15-2.15 | 2.15- 2.45 | 5 2.45-3.45 | 6 3.45-4.45 |
|---------------------------------|--|--|---|--|-----------------------|---|---|
| 1 st Yr. Arts | | EngH-A/1 EngH-A/8 BengH-A/17 BengH-A/11 HistH-A/18 SansH-A/7 PolH-A/2 EcoH-A/14E PhilH-A/20 GeoH-Lab MusicH- | SansP-A/8 PolP-A/13 MusicP-A/19 Phy.Ed.-A/14 H.R. A/2 | HistP-A/9 EcoP-14D Phil-P-A/10 | Games/Library/Seminar | GeoH-Lab BengP—A/14 BengP—A/2 GeoP-Lab EngP- A/14D EngH-A/1 EngH-A/15 BengH-A/11 BengH-A/17 | Geo-HLab Geo-PLab |
| 1 st Year Pure Sc | Chem H Phys H Math HA7 Comp H | Math H P3 | Math P A9 Math H P3 | Chem H P5 Chem P P4 CompH LAB Comp P LAB | | Phys H P5 Phys P A9 | Chem H P3 Phys H P5 Math H A7 ComH LAB |
| 1 st Year Bio Sc | Phy H B1NY Phy P A9 | Bot P GD Zoo P GC Phy P GB Nut H LAB Micro H B1 Zoo H B2 | Nut H LAB Micro H B1 Zoo H B2 | Chem P P4 Comp P LAB | | Bot H Zoo H Phy HDN+NY Nut H Micro H | |
| 2 nd Yr. Arts | GeoH-Lab GeoP-Lab EngP-A/1 BengP-A/10 EngH-A/8 BengH-A/11 HindiP-14E | SansP-A/9 PolP-A/15 MusicP- Phy.Ed-A/14 H.R A/14D | HistH-A/16 SansH-A/18 PolH-A/6 EcoH-A/3 PhilH-A/15 GeoH-Lab MusicH- | EngH-A/8 BengH-A/11 HistH-A/16 SansH-A/14 PolH-A/13 EcoH-A/3 PhilH-A/20 GeoH-Lab MusicH- | | HistP-A/8 EcoP-A/14F PhilP-A/13 | EngH-A/15 BengH-A/17 HistH-A/13 SansH-A/7 PolH-A/2 EcoH-A/14D PhilH-A/8 GeoH-Lab MusicH |
| 2 nd Year Pure Sc | Chem H P3 Phys H P5 Math H P4 ComHLAB | Math H P4 Math P A10 | Chem H P5 Chem P P4 Comp H LAB Comp P LAB | Phys H P2 Phys P P3 | | Chem H Phys H Comp H Math H P4 Chem P (Bio) Comp P (Bio) | Math H P4 |
| 2 nd Year Bio Sc | Bot P GD Zoo P GC Phy P GA MicroHLAB Nut H Lab Zoo H B2 Bot H TH1 | Micro HLAB Nut H Lab Zoo H B3 Bot H TH1 | Chem P P4 Comp P LAB | Zoo H B2 Zoo P A15 | | Chem P (Bio) Comp P (Bio) | |

| | | | | | | | |
|------------------------------|--|---|--|---|--|---|---|
| 3 rd Yr. Arts | EngH-A/15 BengH-A/14 HistH-A/16 SansH-A/2 PolH-A/6 EcoH-A/3 PhilH-A/4 GeoH-Lab MusicH- | BengH-A/13 EngH-A/1 HistH-A/16 SansH-A/5 PolH-A/6 EcoH-A/3 PhilH-A/4 GeoH-Lab MusicH-19 | Comp. Eng- A/7 | SansP-A/5 PolP-A/6 Phy.Ed.-A/1 H.R-A/2 SansH-A/7 PolH-A/19 MusicH- MusicP- | | HistH-/16 EcoH-A/3 PhilH-A/5 HistP-A/14E EcoP-A/12 PhilP-A/4 | EngH-A/1 BengH-A/11 HistH-A/16 SansH-A/5 PolH-A/6 EcoH-A/3 PhilH-A/4 GeoH-Lab MusicH-19 |
| 3 rd Yr. Pure Sc. | Chem H P2 Phys H PLab Math H Lab CompH Lab Chem P P1 Comp P Lab | Chem H P2 Phys H P1 MathHLAB CompHLAB | Comp.Beng A/10 Comp.Hindi A/14D | Chem H P3 Phys H P2 Math H LAB Comp H LAB Phys P P1 | | Chem H Phys H Math HLAB Comp H Math P P2 | Math HLAB |
| 3 rd Yr. Bio Sc. | Micro H Lab Zoo H Lab Phy H LabDN Bot H Lab Nut H Lab Chem P P1 Comp P | MicroH Lab Zoo H Lab Phy H Lab Bot HLab Nut H Lab Phy P B3 | Comp.Beng A/10 Comp.Hindi A/14D | Micro H Lab Zoo H Lab Phy H LabJB Bot H Lab Nut H Lab Bot P B3 | | Micro H Zoo H Phy HGD Bot H Nut H Phy P | |

Routine for the session 2015-2016

| Wednesday | 1 10.15-11.15 | 2 11.15-12.15 | 3 12.15-1.15 | 4 1.15-2.15 | 2.15- 2.45 | 5 2.45-3.45 | 6 3.45-4.45 |
|------------------------------|--|---|---|--|---------------|--|--|
| 1 st Yr. Arts | | EngH-A/1 EngH-A/15 BengH-A/17 BengH-A/14 Hist-A/9 SansH-A/18 PolH-A/19 EcoH-A/14E PhilH-A/20 GeoH-Lab MusicH- | SansP-A/7 PolP-A/14 MusicP- Phy.Ed.-A/2 H.R-A/12 SansH-A/13 PolH-A/19 MusicH- | EngH-A/1 EngH-A/15 BengH-A/17 BengH-A/14 BengP--13 BengP--7 EngP-A/14D GeoH-Lab GeoP-Lab | NSS | HistP-A/10 EcoP-A/3 PhilP-A/9 HistH-A/18 EcoH-20 PhilH-A/14 | |
| 1 st Year Pure Sc | Chem H P3 Phys H P5 Math H P4 Comp H Lab | Chem H P3 Chem P A10 Comp H Lab Comp P Lab | Phys H P5 Phys P P4 | Chem H P3 Phys H P5 Math H P4 Comp H Lab | | Chem H P3 Chem P (Phy+G) PhysP(Math) Comp H | Chem H P5 |
| 1 st Year Bio Sc | Phy H LabJB Phy P A13 | Chem P A10 Comp P Lab | Bot H Th1 Zoo H B1 Phy H B2MP Nut H Lab Micro H B3 | Zoo H Lab Zoo P A20 | | Bot P GC Zoo P GD Phy P GE Micro H B1 Bot H Th1 | Micro H B1 Bot H Th1 |
| 2 nd Yr. Arts | EngH-A/15 BengH-A/11 HistH-A/16 SansH-A/7 PolH-A/1 EcoH-A/3 PhilH-A/8 GeoH-Lab MusicH- | HistP-A/8 EcoP-14D Phil-PA/7 | EngH-A/8 BengH-A/11 HistH-A/16 SansH-A/18 PolH-A/6 EcoH-A/3 PhilH-A/20 GeoH-Lab MusicH- | SansP-A/10 PolP-A/9 MusicP- Phy.Ed.-2 H.R.-14D | | BengH-A/17 BengP-A/7 EngH-A/8 EngP-A/1 GeoP-Lab GeoH-lab Hindi P-14D | EngH-A/15 BengH-A/17 HistH-A/13 SansH-A/10 PolH-A/9 EcoH-A/20 PhilH-A/7 GeoH-Lab MusicH-19 |

| | | | | | | | |
|---------------------------------|---|--|---|--|--|---|--|
| 2 nd Year Pure Sc | Chem H P2 PhysP(Math) Phys H Comp H | Chem H P4 | Phys H P2 Phys P P3 | Chem H P2 Chem P A7 Comp H Lab Comp P Lab | | Chem H Phys H P5 Comp H Lab Math H P4 | Phys H P5 Comp H Lab Math H P4 |
| 2 nd Year Bio Sc | Zoo H B2 Zoo P A15 | Bot H Nut H Micro H Zoo H Phy H | | Chem P A7 Comp P Lab | | Bot P GF Zoo P GA Phy P GB Micro H Lab Zoo H B2 Nut H Lab Phy H B3TT | Micro H Lab Zoo H B2 Nut H Lab Phy H B3DN |
| 3 rd Yr. Arts | SansP-A/5 PolP-A/6 MusicP- Phy.Ed-A/2. H.R.-A/12 | BengHA/11 EngH-A/15 HistH-A/16 SansH-A/13 PolH-A/6 EcoH-A/3 PhilH-A/1 GeoH-Lab MusicH- | Comp-Beng- Arts -A/10 Comp Hindi A14 D | EngH-A/8 BengH-A/11 HistH-A/16 SansH-A/18 PolH-A/19 EcoH-A/3 PhilH-A/20 GeoH-Lab MusicH- | | EngP-A/2 BengP-13 GeoP-Lab Geo-H-Lab EngH-A/15 BengH-A/11 GeoH-Lab Hindi P-14E | EngH-A/1 BengH-A/11 HistH-A/16 SansH-A/8 PolH-A/6 EcoH-A/3 PhilH-A/14 GeoH-Lab MusicH- |
| 3 rd Yr. Pure Sc. | Chem H P1 Phys H B1 Math H Lab Comp H Lab | Chem H P3 Phys H P2 Math H Lab Comp H Lab Math P P1 | Comp English A9 | Chem H P1 Phys H B1 Math H Lab Comp H Lab Phys P P1 | | Chem H Phys H Math H Comp H Phys P | |
| 3 rd Yr. Bio Sc. | Micro H Lab Zoo H Lab PhyH LabTT Bot H Lab Nut H Lab Phy P B3 | Micro H Lab Zoo H Lab Phy H LabMC Bot H Lab Nut H Lab Zoo P B2 | | Micro H Lab Zoo H Lab Phy H LabMP Bot H Th1 Nut H Lab Bot P B3 | | Micro H Zoo H Phy HJB Bot H Nut H Zoo P | |

Routine for the session 2015-2016

| Thursday | 1 10.15-11.15 | 2 11.15-12.15 | 3 12.15-1.15 | 4 1.15-2.15 | 2.15- 2.45 | 5 2.45-3.45 | 6 3.45-4.45 |
|--------------------------|------------------|---|--|-------------------------------------|---------------|--|----------------------|
| 1 st Yr. Arts | | SansP-A/10 PolP-A/7 MusicP- Phy.Ed-A/14 H.R.A/1 | EngH-A/1 EngH-A/17 BengH-A/15 BengH-A/13 HistH-A/18 SansH-A/14 PolH-A/19 EcoH-A/20 PhilH-A/7 GeoH-Lab | HistP-A/7 EcoP-14E Phil-P-A/9 | Games/Libr | EngH-A/1 EngH-A/17 BengH-A/13 BengH-A/15 HistH-A/14 SansH-A/18 PolH-A/19 EcoH-A/3 PhilH-A/20 GeoH-Lab | GeoH-Lab GeoP-Lab |

| | | | | | | | |
|---------------------------------|---|--|---|--|--|---|---|
| | | | MusicH- | | | MusicH- | |
| 1 st Year Pure Sc | Math H P4 Math P A7 | Chem H P4 Comp P(all) Comp H | Chem H P3 Chem H P3 Bot P B1 Nut H Lab Micro H B3 | Chem H P3 Chem P A10 CompH Lab Comp P Lab | | Phys H Phys P (Chem) CompH Lab Chem P(Math) | Comp H Lab |
| 1 st Year Bio Sc | Phy H B1GD Phy P A10 | Zoo H B1 Zoo P A9 | Bot H Th2 Bot P B1 Nut H Lab Micro H B3 | Chem P A10 Comp P Lab | | Bot P GA Zoo P Phy P GD Micro H B1 Zoo H B2 Bot H Th1 Phy H B3DN | Micro H B1 Zoo H B2 Bot H Th1 Phy H B3 |
| 2 nd Yr. Arts | | HistP-A/13 EcoP-A/12 Phil-P A/8 | BengH-A/11 EngH-A/8 HistH-A/16 SansH-A/2 PolH-A/6 EcoH-A/3 PhilH-A/4 GeoH-Lab MusicH-19 | Geo-H-Lab GeoP -Lab EngH-A/8 BengH-A/11 BengP-A/14 Eng P-A/1 Hindi P-14D | | GeoH-Lab GeoP-Lab EngP- A/2 EngH-A/8 HindiP-14D BengP-A/9 BengH-A/7 | EngH-A/8 BengH-A/14 HistH-A/13 SansH-A/18 PolH-A/9 EcoH-A/20 PhilH-A/7 GeoH-Lab MusicH-19 |
| 2 nd Year Pure Sc | Chem H P3 Phys H CompH Lab Chem P (Math) | Chem H P3 CompH Lab | Phys P(Chem) Chem P(Phys+G) Math H P3 Comp H Lab | Math H P3 Comp H Lab | | Chem H Phys HP5 Math HP4 Comp H | Phys HP5 Math HP4 |
| 2 nd Year Bio Sc | Zoo H B2 Zoo P A18 | Bot P GF Zoo P Phy P GE Nut H Lab Bot H Th1 Phy H B2NY | Phy H B2GD Bot H Th1 Nut H Lab | Phy H B3SP Phy P P4 | | MicroH Zoo H Phy HTT+NY Bot H Nut H | |
| 3 rd Yr. Arts | BengP-A/13 GeoP-Lab EngP-A/2 HindiP-14D Geo-H | EngH-A/15 BengH-A/11 HistH-A/16 SansH-A/2 PolH-A/6 EcoH-A/3 PhilH-A/4 GeoH-Lab MusicH- | ENVS-A/10 | EngH-A/15 BengH-A/13 HistH-A/16 SansH-A/2 PolH-A/6 EcoH-A/3 PhilH-A/4 GeoH-Lab MusicH- | | HistP-A/16 Eco-P-A/1 Phil-P-A/4 | EngH-A/15 BengH-A/11 HistH-A/16 SansH-A/5 PolH-A/6 EcoH-A/3 PhilH-A/1 GeoH-Lab MusicH- |
| 3 rd Yr. Pure Sc. | Chem H P2 Phys H P1 Math H Lab CompH Lab | Chem H P3 Phys H P4 Math H Lab Comp H Lab Phys P P5 | Chem P | Chem H B1 Phys H P1 Math H Lab CompH Lab | | Chem H Phys H Math H Comp H Comp P | |
| 3 rd Bio Sc | | MicroH Lab Zoo H Lab PhyH LabTT Bot H Th2 Nut H Lab Zoo P B3 | MicroH Lab Zoo H B3 Phy H LabNY Bot H Th1 Nut H Lab | Micro H Lab Zoo H Lab Phy H LabMP Bot H Lab Nut H Lab Bot P B2 | | Micro H Zoo H Phy HGD Bot H Nut H | |

| Friday | 1 10.15-11.15 | 2 11.15-12.15 | 3 12.15-1.15 | 4 1.15-2.15 | 2.15- 2.45 | 5 2.45-3.45 | 6 3.45-4.45 |
|---------------------------------|--|---|--|--|---------------|--|---|
| 1 st Yr. Arts | GeoH-Lab | EngH-A/17 EngH-A/1 BengH-A/11 BengH-A/13 HistH-A/7 SansH-A/18 PolH-A/19 EcoH-A/14E PhilH-A/8 GeoH-Lab MusicH- | EngH-A/1 EngH-A/17 BengH-A/11 BengH-A/13 HistH-A/18 SansH-A/14 PolH-A/8 EcoH-A/2 PhilH-A/20 GeoH-Lab MusicH-19 | GeoH- Hindi-14E GeoP-Lab EngP—A/2 BengP-A/13 BengP-A/14 | NSS | GeoH-Lab GeoP-Lab | |
| 1 st Year Pure Sc | Chem H P3 Phys H P5 Math H A8 PhysP(Comp + G) | Chem H P3 Phys H P5 Math H A7 | Phys H P3 Phys P P4 | Chem H P5 Chem P A10 Comp HLab Comp P Lab | | Chem H P4 Phys H P5 Comp H Lab Phys P (Math) Chem P(Bio) Comp P(Bio) | Chem H P4 Phys H P5 Comp HLab |
| 1 st Year Bio Sc | Bot H Th1 Bot P B1 Nut H Lab Micro H B2 | Bot P Zoo P GF Phy P GA Zoo H B1 Bot H Th1 Nut H Lab Phy H B2MC | Zoo H B1 Bot H Th1 Nut H Lab Phy H B2TT | Chem P A10 Comp P Lab | | Chem P (Bio) Comp P(Bio) | |
| 2 nd Yr. Arts | EngH-A/15 BengH-A/11 HistH-A/16 SansH-A/8 PolH-A/2 EcoH-A/3 PhilH-A/7 GeoH-Lab MusicH- | GeoH-Lab GeoP-Lab EngP—A/2 BengP-A/9 | SansP-A/10 PolP-A/15 MusicP- Phy.Ed.A/2 H.R.-A/12 | EngH-A/15 BengH-A/11 HistH-A/16 SansH-A/8 PolH-A/6 EcoH-A/3 PhilH-A/7 GeoH-Lab MusicH- | | SansP-A/9 PolP-A/8 MusicP- Phy.Ed.A/2 H.R.-A/12 | EngH-A/8 BengH-A/11 HistH-A/16 SansH-A/13 PolH-A/2 EcoH-A/3 PhilH-A/27 GeoH-Lab MusicH- |
| 2 nd Year Pure Sc | Comp P(all) Chem H P4 Comp H Lab | Chem H P2 Comp H Lab | Math H P4 Math P A7 | Chem H P3 Phys H P2 Math H A4 Comp H Lab | | Math H A7 Math P A10 | Phys H P2 Phys P P3 |
| 2 nd Year Bio Sc | Phy H B3DN Phy P A13 | Bot P GE Zoo P Phy P GF Bot H Th2 Nut H Lab Phy H B3TT | Phy H B3MP Bot H Th2 Nut H Lab | Bot H Th1 Bot P A13 Nut H Lab MicroH Lab | | Micro H Zoo H Phy HDN+TT Bot H Nut H | |
| 3 rd Yr. Arts | HistP-A/1 EcoP-A/3 PhilP-A/4 | EngH-A/15 BengH-A/14 HistH-A/16 SansH-A/5 PolH-A/6 EcoH-A/3 PhilH-A/4 GeoH-Lab MusicH- | GeoH-Lab GeoP-Lab EngP-A/LL HindiP-14E BengP-14D | SansP-A/5 PolP-A/14D MusicP- Phy.Ed.A/1 H.R.-A/12 | | EngH-A/15 BengH-A/11 HistH-H/16 SansH-A/13 PolH-A/6 EcoH-A/3 PhilH-A/14 GeoH-Lab MusicH- | EngH-A/15 BengH-A/14 HistH-A/16 SansH-A/1 PolH-A/6 EcoH-A/14D PhilH-A/4 GeoH-Lab MusicH |
| 3 rd Yr. Pure Sc. | Chem H A1 Phys H A13 Math H Lab | Chem H P5 Phys H P4 Math H P3 | Comp Envs A/9 | Chem H A14 Phys H P1 Math H Lab | | Chem H Phys H Math H | |

| | | | | | | | |
|---------------------------|--|---|------------------|---|--|---------|---|
| | Comp H Lab | Comp H Lab Math P P2 | | Comp H Lab Chem P P1 | | Comp H | → |
| 3 rd Bio Sc | Micro H Lab Zoo H A14 Phy H A15TT Bot H Th2 Nut H Lab | Micro H Lab Zoo H Lab Phy H LabDN Bot H Lab Nut H Lab | Comp Envs A/9 | Micro H Lab Zoo H B2 Phy H B3SP Bot H Th2 Nut H Lab | | Micro H | → |
| | | | | | | Zoo H | → |
| | | | | | | Phy H | → |
| | | | | | | Bot H | → |
| | | | | | | Nut H | → |
| | | | | | | Bot P | → |

Routine for the session 2015-2016

| Saturday | 1 10.15-11.15 | 2 11.15-12.15 | 3 12.15-1.15 | 4 1.15-2.15 |
|---------------------------------|---|---|--|--|
| 1 st Yr. Arts | Tutorials and Problem Solving Class | EngH-A/1 EngH-A/17 BengH-A/7 BengH-A/2 HistH-A/15 SansH-A/18 PolH-A/13 EcoH-A/3 PhilH-A/10 MusicH-A/19 | EngH-A/17 EngH-A/1 BengH-A/11 BengH-A/2 HistH-A/18 SansH-A/14 PolH-A/13 EcoH-A/20 PhilH-A/8 MusicH-A/19 | Tutorials and Problem Solving Class |
| 1 st Year Pure Sc | Tutorials and Problem Solving Classes | | Chem H P3 Phys H P5 Math H P4 CompH Lab | Chem H P3 Phys H P5 Math H P4 Comp H Lab |
| 1 st Year Bio Sc | | | Bot P GF → Zoo P → GA Phy → P Bot H Th2 Zoo H B2 Nut H Lab | Bot H Th2 Zoo H B2 Nut H Lab Phy H B3 |
| A2 nd Yr. Arts | GeoH-Lab EngH-A/8 BengH-A/11 GeoP-Lab EngP-A/2 BengP-A/7 | EngH-A/8 BengH-A/11 HistH-A/16 SansH-A/9 PolH-A/6 EcoH-A/20 PhilH-A/14 GeoH-Lab MusicH- | HistH-A/16 EcoH-A/3 PhilH-A/15 HistP-A/7 EcoP-A/14D PhilP-A/9 | SansH-A/13 PolH-A/14 MusicH- Phy.Ed- A/15 H.R. A/2 SansP- A/8 PolP- A/7 MusicP |
| 2 nd Year Pure Sc | Chem H P3 Chem P P4 CompH Lab Comp P Lab | Math H P4 Phys H P5 Chem H → Comp H Lab | Phys H P5 CompH Lab Math H A8 | Math H A10 Math P A9 |
| 2 nd Year Bio Sc | Chem P P4 CompP Lab | Bot P GC → Zoo P → GD Phy → | | Bot P B1 Bot H Th1 Micro H Lab |

| | | Bot H Th1 Zoo H B1 Micro H Lab | MicroHLab Zoo H B1 Bot H Th1 | Nut H Lab |
|---------------------------------|--------------|--------------------------------------|------------------------------------|-----------|
| 3 rd Yr. Arts | PROJECT WORK | | | |
| 3 rd Yr. Pure Sc. | PROJECT WORK | | | |
| 3 rd Yr. Bio Sc | PROJECT WORK | | | |

A= All Pass

B= Bot (H)

C= Phy (H)

D= Nut(H)

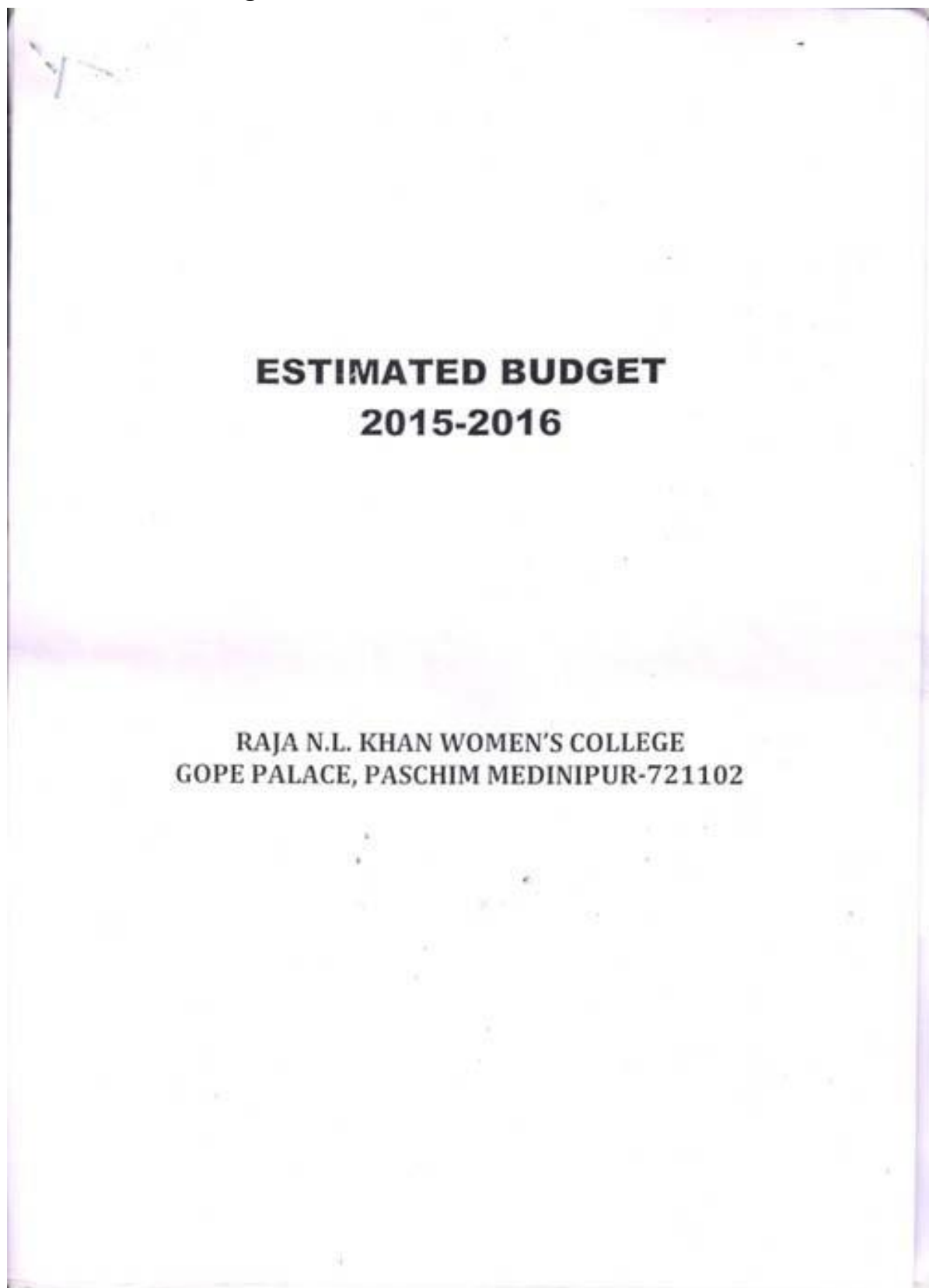
E= Zoo (H)

F= Micro (H)

ANNEXURE-7 MASTER PLAN OF THE COLLEGE



ANNEXURE – 8: Budget– 2015-16



RAJA N.L. KHAN WOMEN'S COLLEGE
Gope Palace, Paschim Medinipur - 721102
Estimated Budget for 2015-2016

The actual unaudited account for the financial year 2014-2015 and the estimated budget for the year 2015-2016 are presented

- Some observations are given here
 - a. No. of Guest teachers has gradually increased.
 - b. Telephone bill is increasing gradually.
 - c. Shortage of Class rooms according to against increased no. of students.
- Suggestions
 - a. As per the direction of the Auditor, one Cash book and Ledger book should be prepared for each financial year.
 - b. Renovation of electrification in Chemistry, Bioscience, Arts and Pure Science block.
 - c. Renovation of Building including Rabindra Neer.
 - d. Arrangement of a large Class room for Bio-Science general.
 - e. Class rooms of all sections should be well constructed and well equipped for the future vision of the college.
 - f. Due to online admission if the income of the college decreases then the expenditures of all funds should be minimized.
 - g. Special attention to be given to forth coming NAAC re-visit for the session 2016-2017.
 - h. Website modification with Wi Fi connectivity
 - i. Expenditure for maintenance of solar lighting and CC TV installations.
 - j. Arrangement of separate three class rooms for each Arts(Hons.) departments in same block.
 - k. Arrangement of auto lift in library building.
 - l. Arrangement of General Teacher's Common Room (Arts, Bio science, Pure science).
 - m. Arrangement of separate student's common room with attached toilet.
 - n. Arrangement of separate Examination Office.
 - o. Hostel messing expenditure not exceed the collected money, so suggested full amount will be utilized in the same head in the said financial year.

Cashier 14/5

Accountant 14/5

Bursar 14.5.2015

Teacher-in-Charge 14/5

Raja N.L. Khan Women's College
Gope Palace, Paschim Medinipur- 721102

Departmental Income Expenditure 2014-2015 and Tentative Allotment 2015-2016

| Sl. No. | Name of the Department | Income (Rs) 2014-15 | Allocation for 2014-15 | Expenditure for 2014-15 | | | | Tentative Allotment (Rs.) for 2015-16 | Electrification |
|---------|------------------------|---------------------|------------------------|-------------------------|-------------------|------------------|-------------------------|---------------------------------------|-------------------|
| | | | | Departmental | Guest Teacher | Senior Librarian | Total Expenditure (Rs.) | | |
| 1 | BA (P) | 1537514.00 | 100000.00 | 169541.00 | 84000.00 | | 253541.00 | 200000.00 | |
| 2 | BCA | 1592910.00 | 40000.00 | 34419.00 | | 9540.00 | 43959.00 | 40000.00 | |
| 3 | BENG (H) | 1588683.00 | | | | | | | |
| 4 | BIO (P) | 284765.00 | | | | | | | |
| 5 | BOTA (H) | 792368.00 | 100000.00 | 31305.00 | 93930.00 | | 125235.00 | 100000.00 | |
| 6 | CHEM (H) | 1156541.00 | 125000.00 | 155779.00 | 133150.00 | 5040.00 | 293969.00 | 125000.00 | 200000.00 |
| 7 | COMP (H) | 1000580.00 | 100000.00 | 100000.00 | 42450.00 | | 142450.00 | 100000.00 | |
| 8 | ECO (H) | 271957.00 | 40000.00 | 38264.00 | 70200.00 | 2800.00 | 111264.00 | 40000.00 | |
| 9 | ENG (H) | 1442011.00 | 40000.00 | 22799.00 | 78600.00 | | 101399.00 | 40000.00 | |
| 10 | GEO (H) | 1620960.00 | 100000.00 | 9225.00 | 205100.00 | 7430.00 | 221755.00 | 100000.00 | |
| 11 | HIS (H) | 1189005.00 | 40000.00 | 32042.00 | | 9290.00 | 41332.00 | 40000.00 | |
| 12 | MATH (H) | 1200652.00 | 100000.00 | 8500.00 | 165150.00 | | 173650.00 | 100000.00 | |
| 13 | MICRO (H) | 1739273.00 | 100000.00 | 270981.00 | 35700.00 | | 306681.00 | 200000.00 | |
| 14 | MUSIC (H) | 425178.00 | 40000.00 | 13551.00 | | | 13551.00 | 40000.00 | |
| 15 | NUTRI (H) | 2084579.00 | 100000.00 | 219000.00 | 209000.00 | | 428000.00 | 200000.00 | |
| 16 | ZOO (PG) | 694880.00 | 100000.00 | 122318.00 | | | 122318.00 | 100000.00 | |
| 17 | PHILO (H) | 824362.00 | 40000.00 | 39868.00 | | | 44308.00 | 40000.00 | |
| 18 | PHYS (H) | 472839.00 | 100000.00 | 65859.00 | 174100.00 | 4160.00 | 244119.00 | 100000.00 | |
| 19 | PHYSIOL (H) | 946922.00 | 100000.00 | 38893.00 | | 5300.00 | 44193.00 | 100000.00 | |
| 20 | POLS (H) | 255706.00 | 40000.00 | 39910.00 | | 1000.00 | 40930.00 | 40000.00 | |
| 21 | PURE SC (P) | 154981.00 | | | | | | | |
| 22 | SANS (H) | 1385657.00 | 40000.00 | 40270.00 | | 7010.00 | 47280.00 | 40000.00 | |
| 23 | ZOO (H) | 1205287.00 | 100000.00 | 71449.00 | | | 71449.00 | 100000.00 | |
| 24 | PHYS. EDU | | | 6400.00 | | | 6400.00 | 5000.00 | |
| | GRAND TOTAL | 23861610.00 | 1545000.00 | 1530393.00 | 1291380.00 | 56010.00 | 2877783.00 | 1850000.00 | 2050000.00 |

* Due to online admission if the income of the college decreases then the allocation of the Departmental expenditures should be minimised.

* Expenditure excluding electricity charges

Expenditure from college fund for newly constructed building for the depts. Phy + Zoo, Micro + Bot, Chem + Geo, Math + Phys = 809337.00

Cashier

Accountant

Bursar

Teacher-in-Charge

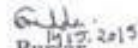
Raja N.L. Khan Women's College
Gope Palace, Paschim Medinipur- 721102
Tentative cost of expenditure for the year 2015-2016

| Sl No | Items | Tentative cost (Rupees) 2015-2016 | 2014-2015 | |
|-------|---|--------------------------------------|------------|-------------|
| | | | Income | Expenditure |
| 1 | Renovation, Repair of Building including RABINDRANEER | 2500000.00 | | |
| 2 | Electrification of PURE, BIO, ARTS | 600000.00 | | |
| 3 | NAAC Visit | 1000000.00 | | |
| 4 | Publication of Journals | 30000.00 | | |
| 5 | Website with Wi Fi | 150000.00 | | 43000.00 |
| 6 | Invertor for CC TV and maintenance | 60000.00 | | |
| 7 | Planing and Veting Cost | 30000.00 | | |
| 8 | Remove weeds | 60000.00 | | |
| 9 | Installation of Solar Lighting | 200000.00 | | |
| 10 | Clearing of drainage system | 50000.00 | | |
| 11 | Excavation of water body | 100000.00 | | |
| 12 | Library Furniture | 100000.00 | | |
| 13 | Sanitary and Plumbing work | 200000.00 | | |
| 14 | Foundation Day | 150000.00 | | 126298.00 |
| 15 | Swarawati Puja | 150000.00 | 275000.00 | 97244.00 |
| 16 | Garden Maintenance and other | 150000.00 | | 146074.00 |
| 17 | Prospectus Printing | 50000.00 | *619400 | 96840.00 |
| 18 | Advertisement | 30000.00 | | 23080.00 |
| 19 | Payment of Guest Teacher | 1500000.00 | | 1291390.00 |
| 20 | Payment of Casual NTS | 1000000.00 | | 948100.00 |
| 21 | Contingency | 100000.00 | | 97445.00 |
| 22 | Ex -gretia | 40500.00 | | 40300.00 |
| 23 | BUS | 2900000.00 | 2682190.00 | 2890878.00 |
| 24 | Tuition fee 50% Remetence to Govt. of WB | 1400000.00 | 2177487.00 | 1386492.00 |
| 25 | Departmental allocation | 2050000.00 | | |
| 26 | Hostel Fund | 2000000.00 | 2015600.00 | 1512246.00 |
| 27 | Hostel Messing | 4500000.00 | 4347950.00 | 4132839.00 |
| 28 | Annual Sports | 100000.00 | 142700.00 | 99972.00 |
| 29 | Fresher Welcome | 150000.00 | | 133650.00 |
| 30 | Security | 250000.00 | | 227500.00 |
| 31 | Sweeping (also at noon) | 150000.00 | | 108000.00 |
| 32 | Electric Bill (college) | 800000.00 | 1141600.00 | 788125.00 |
| 33 | Telephone Bill | 50000.00 | | 43900.00 |
| 34 | Generator Oil Cost | 60000.00 | 375190.00 | 49572.00 |
| 35 | Magazine | 75000.00 | 142700.00 | 55953.00 |
| 36 | Purchase of electric goods | 400000.00 | | 377619.00 |
| 37 | T.A. | 80000.00 | | 73836.00 |
| 38 | Others | 750500.00 | | |
| | Grand Total | 23966000.00 | | |

*Rs. 500000.00 FD


 Cashier/6/5


 Accountant


 Bursar


 Teacher-in-charge

ANNEXURE – 9 : Audit Report for 2010-11**SENAPATI AND ASSOCIATES**
Chartered Accountants

Tolly Twin-Pabitra Garden
Block-F, 4th floor
Kobar Danga More
M G Road , Kolkata-700104
Mail: mail.senapati@yahoo.co.in
Phone: 9831179071

14 December 2012

To
The Director of Public Instruction
Govt of West Bengal
Education directorate
Bikash Bhawan, Salt lake city
Kolkata-700091

Dear Sir

Re: Audit of accounts of "Raja Narendra Lal Khan Women's College, Gope Place, Paschim Medinipur, for the year ended 31.03.2011.

This is with reference to your memo number: 3(400)/1(200)/CA/2010 dated 6th April, 2010 . We have conducted the audit of annexed Balance sheet as at 31.03.2011 and income and expenditure account and receipt and payment account for the year ended 31.03.2011 of M/S Raja Narendra Lal Khan Women's College. The financial statements are prepared by the school management and are produced before us for our observation and comment. Based on the financial statements produced before us and the books of accounts we have gone through, we express hereunder our opinion on these financial statements based on our audit.

We conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatements. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

We report that :

1. We have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of our audit.
2. Proper books of account as required under normal accounting practice have been kept by the collage so far as it appears from our examination of those books except that
 - The collage does not maintained any fixed asset register in absence of which it is not at all possible to verify the actual location and current status of the same. In absence of any actual physical verification status of the fixed assets we couldn't comment on the true and correctness in the existence and value of the fixed assets as reflected in the balance sheet.
 - The collage does not maintain any separate register for advance given to different persons. We understand that advance is paid when any requisition is made and accounted as advance and on the refund of the amount the same is credited to advance. How ever there is no register to show person wise advance. On our scrutiny of the accounts we come across certain situation wherein the advance are appearing to be outstanding since

SENAPATI AND ASSOCIATES

Chartered Accountants

Tolly Twin-Pabitra Garden
Block-F, 4th floor
Kobar Danga More
M G Road, Kolkata-700104
Mail: mail.senapati@yahoo.co.in
Phone: 9831179071

previous years and lying to be received back. How ever in absence of person wise advance register, it will be hard to understand from whom the same amount is receivable; and further, there is no scope to determine if any of the advances has been outstanding from any person who has already ceased his/her association with the collage. Considering the above, in our opinion the amount of advance as appearing under different funds do not give a true and correct position of the value as it is appearing in the financial statements.

The college maintains various fund for its proper running and accounts the receipt and expenditure under respective funds. We have examined the transaction made through those funds and it was found to be in order

The Balance Sheet and receipt payment account and income and expenses account along with annexure referred to in this report are in agreement with the books of account.

In the course of our audit we have visited the Department and we came across the followings:

- (i) The list of the students which had left the college during the period was not available with the respective department as well as at office level.
- (ii) There are certain Department which does not maintains the daily issue register for the valuable instruments which are given to the students for their use.

In our opinion and to the best of our information and according to the explanations given to us, the said Balance Sheet, receipt and payment account along with the income and expenditure account and its annexure read together with comments as above given give a true and correct information

- (i) in so far as it relates to Balance Sheet of the state of affairs of the Collage as at 31st March, 2011
- (ii) in so far as it relates to the receipt and payment account of the collage for the year ended on that date.
- (iii) in so far as it relates to the income and expenditure account of the collage for the year ended on that date.

For Senapati & Associates
Chartered Accountants

(S. Senapati)
Proprietor
Membership no: 58084

Kolkata
Dated: 14 December 2012

Raja Narendralal Khan Women's College, Midnapore,
Balance sheet as at 31.03.2011

| Liabilities | | Amount | Assets | | Amount |
|--------------------------------|--------------|---------------|---|---------------|---------------|
| General Fund: | | | Fixed assets- as per Schedule-C | | 25,248,861.42 |
| Surplus | 5,935,388.97 | | Investment- As per Schedule D | | 1,527,855.81 |
| Less: Deficit | | | Recoverable advances- as per Schedule-E | | 1,308,970.00 |
| General fund-1 | 4,294,177.71 | | Subsidiary fund advances-Schedule-E | | 762,754.08 |
| General fund-2 | 453,723.00 | 4,187,488.26 | Provident fund: | | |
| Subsidiary fund- Schedule-A | | | Treasury Balance | 12,983,535.65 | |
| General CM Fund- Schedule-A | | 17,548,551.68 | PF Diploma in advance | 5,200.00 | 12,988,735.65 |
| General Fund- Schedule-A | | 237,805.90 | Cash at Bank: | | |
| General CM Fund- Schedule-A | | 4,530,453.00 | General fund-1 | 2,538,567.75 | |
| General CM Fund- Schedule-A | | 44,892.00 | General fund-2 | 100,685.00 | |
| General Fund- Schedule-A | | 1,009,400.73 | Subsidiary funds(Schedule-F) | 2,118,999.94 | |
| General Fund- Schedule-A | | 128,369.89 | Other funds(Schedule-F) | 794,833.73 | 5,553,086.42 |
| Development fund- Schedule A | | 123,404.00 | Cash in hand | | |
| General CM Fund- Schedule A | | 1,450,897.00 | General fund-1 | 7,199.60 | |
| General grant fund- schedule-A | | 842,016.95 | General fund-2 | 8,602.00 | |
| General fund- as per last a/c | | 2,330,416.00 | Subsidiary funds(Schedule-F) | 189,280.38 | |
| General fund- as per last a/c | | 693,132.83 | Other funds(Schedule-F) | 64,776.20 | 259,858.18 |
| General grant- as per last a/c | | 51,196.00 | Mac Balance | | 2,213.95 |
| General grant- Schedule E | | 1,575,274.05 | | | |
| General grant- Schedule-B | | 12,983,397.99 | | | |
| General grant- Schedule-E | | 110,849.23 | | | |
| General deposit from Cashier | | 5,000.00 | | | |
| | | 47,652,335.51 | | | 47,652,335.51 |

See Out report of even date attached

Benapati & Associates
Chartered Accountants

Midnapore

1. 18054

17th day of November 2012

Principal

Principal & Secretary
Raja Narendralal Khan Women's College
Midnapore - 721102, W.B.

Audit Report for 2011-12

26.11.14
S. SEWAK & CO.
Chartered Accountants

5, CLIVE ROW
8TH FLOOR, ROOM NO:- 8M,
KOLKATA:-700 001

AUDITORS REPORT

To
The Directorate of Public Instruction
Govt. of West Bengal
Education Directorate
Bikash Bhawan, Salt Lake
Kolkata:-700091

We have audited the attached Balance Sheet of RAJA NARENDRALAL KHAN WOMEN'S COLLEGE, DIST:- Midnapore:- 721102, WEST BENGAL as at 31.03.2012 and also the Income & Expenditure A/c on that date annexed thereto. These financial statements are the responsibility of the college's management. Our responsibility is to express an opinion on these financial statements based on our audit.

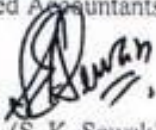
We conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurances about whether the financial statement are free of material misstatement. An audit includes examining on a test basis, evidence supporting the amount and disclosures in the financial statements. An audit includes assessing the accounting principles used and significant estimate made by the management, as well as evaluating the overall financial statement presentation. We believe that our audit provides reasonable base for our opinion. Further to our estimate in the annexure referred to the above, we report that:-

- 1) We have obtained all information and explanation which to the best of our Knowledge and believe where necessary for the purpose of our audit.
- 2) The Balance Sheet and the Income & Expenditure Account and the Receipt & Payment Account dealt by the report are in agreement with Books of Accounts.
- 3) In our opinion and to the best of our information and according to the explanations given to us, the statement together with the schedule attached and read with the according policies and notes forming part of account, give a true & fair view:-
 - (a.) In case of Balance Sheet, of the state of affairs as at 31st March 2012.
 - (b) In case of Income & Expenditure Account, of the Surplus for the year ended on that date.

Date: -15/09/2014



For S. Sewak & Co.
Chartered Accountants


(S. K. Sewak)
Proprietor
M.No.:-54725

Raja Narendralal Khan Women's College
Year Ended 31.03.2012

1. Books of Accounts:-

The college follows Hybrid system of accounting i.e. both Cash & Mercantile Books of Accounts and various registers are being maintained properly.

2. Fixed Asset register:-

Fixed Asset register does not represent every necessary description of assets as required. Further Fixed Assets were physically verified at the year-end by the appropriate authority. Hence, material discrepancies, if any, could not be commented upon.

3. Grants received from the Directorate of Public Instruction, Education Department, West Bengal have been properly utilized for the purpose for which the same was sanctioned. Details of Government grants received during the year under review have been furnished in annexure.

4. There is no arrear short deposit against assumed income as defined by section 2 (b) Of the West Bengal Colleges (payment of salaries) Act, 1978.

5. Fixed Assets Schedule Enclosed

6. No irregularity of financial nature was noticed during the period under report. But lot of loan from one fund to other fund.

7. Statistical information as required are enclosed as per separate annexure.

- i) Roll strength of students (boy's girls) of the college (class-wise).
- ii) Courses and subjects taught in the college
- iii) No. of teaching and non-teaching staff (both full time and part time) of the college.
- iv) Rates of tuition fees and other fees and charges.
- v) Amount collected from the students on account of tuition fees, fines and other charges.

8. Provident Fund Accounts:-

During the course of our verification. We have verified Provident Fund Ledgers, Individual Provident Fund Ledger A/C and other necessary documents relating to the Provident Fund account as on 31.03.2012 as prepared by the college is annexed herewith and self explanatory.

9. Subsidiary Fund:-

The separate account for subsidiary fund is being maintained separately.

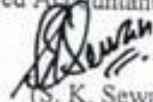
10. Therefore, Present valuation of land and building from competent Authority could not be submitted by the college.

11. During the course of audit it was observed that there was no transfer of movable & immovable properties.

12. We have verified the bank balances with the respective passbook and found the same in order.

The 15th Day of September, 2014

For S. Sewak & Co.
Chartered Accountants


(S. K. Sewak)
Proprietor
M.No.: 54725



RAJA NARENDRALAL KHAN WOMEN'S COLLEGE
Midnapore- 721102

BALANCE SHEET AS ON 31/03/2012

| Liabilities | Amount Rs. | Amount Rs. | Assets | Amount Rs. |
|---------------------------|---------------|---------------|---------------------------------|---------------|
| General Fund | | | Fixed Assets | |
| As per last year | 4,187,488.26 | | As per Schedule | 26,776,848.94 |
| Grant Utilised | | | | |
| From WB Govt | 1,240,640.00 | | Loan Given to Sub Fund | |
| Repairing & Maintenance | 1,431,133.00 | | As per Schedule:-B | 2,530,560.00 |
| Less: Deficit (Gen-2) | 1,271,663.00 | | | |
| Less: Deficit (Gen-1) | 386,439.48 | 5,201,158.78 | Investment | |
| | | | As per last year | 1,527,855.81 |
| Subsidiary Fund | | | | |
| As per Schedule-A | | 31,399,487.82 | Receivable advances | |
| | | | As per Schedule:-B | 1,257,970.00 |
| Other Fund | | 17,894,624.92 | | |
| | | | Subsidiary Fund | |
| Reserve Fund | | | As per Schedule:-B | 811,554.08 |
| As per last year | | 123,404.00 | | |
| | | | Pay & Allowance | |
| Loan Received | | | Excess Paid As per Schedule:- B | 102713.95 |
| As per Schedule:- B | | 523,860.00 | | |
| | | | Provident Fund | 15,393,887.59 |
| Recurring Grant | | | | |
| As per last year | | 51,196.00 | Misc Balance:- | |
| | | | As per last year | 2,213.95 |
| Provident Fund | | 15,393,887.59 | | |
| | | | Cash & Bank Balance | |
| Sundry Liabilities | | | As per Schedule:-C | |
| As per Schedule:-B | | 66,898.00 | Cash at Bank | 21,987,833.61 |
| | | | Cash in Hand | 268,079.18 |
| Security Deposits | | | | |
| From Cashier | | | | |
| As per last year | | 5,000.00 | | |

TOTAL 70,659,517.11

TOTAL 70,659,517.11

Krishna Maiti
Teacher
Raja N. L. Khan Women's College
Midnapore - 721102
PC



Audit Report for 2012-13

S. SEWAK & CO.
Chartered Accountants

5, CLIVE ROW
8TH FLOOR, ROOM NO:- 8M,
KOLKATA:-700 001

AUDITORS REPORT

To
The Directorate of Public Instruction
Govt. of West Bengal
Education Directorate
Bikash Bhawan, Salt Lake
Kolkata:-700091

We have audited the attached Balance Sheet of RAJA NARENDRALAL KHAN WOMEN'S COLLEGE, GOPE PALACE, DIST.:- Midnapore:- 721102, WEST BENGAL as at 31.03.2013 and also the Income & Expenditure A/c on that date annexed thereto. These financial statements are the responsibility of the college's management. Our responsibility is to express an opinion on these financial statements based on our audit.


We conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurances about whether the financial statement are free of material misstatement. An audit includes examining on a test basis, evidence supporting the amount and disclosures in the financial statements. An audit includes assessing the accounting principles used and significant estimate made by the management, as well as evaluating the overall financial statement presentation. We believe that our audit provides reasonable base for our opinion. Further to our estimate in the annexure referred to the above, we report that:-

- 1) We have obtained all information and explanation which to the best of our Knowledge and believe where necessary for the purpose of our audit.
- 2) The Balance Sheet and the Income & Expenditure Account and the Receipt & Payment Account dealt by the report are in agreement with Books of Accounts.
- 3) In our opinion and to the best of our information and according to the explanations given to us, the statement together with the schedule attached and read with the according policies and notes forming part of account, give a true & fair view:-
 - (a) In case of Balance Sheet, of the state of affairs as at 31st March 2013.
 - (b) In case of Income & Expenditure Account, of the Surplus for the year ended on that date.

Date: -07/05/2015



For S. Sewak & Co.
Chartered Accountants


(S. K. Sewak)
Proprietor
M.No.:-54725

Raja Narendralal Khan Women's College
Year Ended 31.03.2013

1. Books of Accounts:-

The college follows Hybrid system of accounting i.e. both Cash & Mercantile Books of Accounts and various registers are being maintained properly.

2. Fixed Asset register:-

Fixed Asset register does not represent every necessary description of assets as required. Further Fixed Assets were physically verified at the year-end by the appropriate authority. Hence, material discrepancies, if any, could not be commented upon.

3. Grants received from the Directorate of Public Instruction, Education Department, West Bengal have been properly utilized for the purpose for which the same was sanctioned. Details of Government grants received during the year under review have been furnished in annexure.

4. There is no arrear short deposit against assumed income as defined by section 2 (b) Of the West Bengal Colleges (payment of salaries) Act, 1978.

5. Fixed Assets Schedule Enclosed

6. No irregularity of financial nature was noticed during the period under report. But lot of loan from one fund to other fund.

7. Statistical information as required are enclosed as per separate annexure.

- i) Roll strength of students (girls) of the college (class-wise).
- ii) Courses and subjects taught in the college
- iii) No. of teaching and non-teaching staff (both full time and part time) of the college.
- iv) Rates of tuition fees and other fees and charges.
- v) Amount collected from the students on account of tuition fees, fines and other charges.

8. Provident Fund Accounts:-

During the course of our verification. We have verified Provident Fund Ledgers, Individual Provident Fund Ledger A/C and other necessary documents relating to the Provident Fund account as on 31.03.2013 as prepared by the college is annexed herewith and self explanatory.

9. Subsidiary Fund:-

The separate account for subsidiary fund is being maintained separately.

10. Therefore, Present valuation of land and building from competent Authority could not be submitted by the college.


11. During the course of audit it was observed that there was no transfer of movable & immovable properties.

12. We have verified the bank balances with the respective passbook and found the same in order.

The 07th Day of May, 2015



For S. Sewak & Co.
Chartered Accountants


(S. K. Sewak)
Proprietor
M.No.: -54725

RAJA NARENDRA LAL KHAN WOMEN'S COLLEGE, MIDNAPOREBALANCE SHEET AS AT 31ST MARCH 2013

| LIABILITIES | AMOUNT | AMOUNT | ASSETS | AMOUNT | AMOUNT |
|-------------------------------|-------------------|--------------------|--------------------------|--------|--------------------|
| GENERAL FUND | | | FIXED ASSETS | | |
| As per Last A/c | 5201158.78 | | As per Schedule - C | | 31536222.55 |
| Less: Deficit | | | | | |
| General Fund (1) | 184232.39 | | Loan Given to Sub. Fund | | |
| Add: Surplus | | | As per Last A/c | | 2530560.00 |
| General Fund (2) | <u>3901324.00</u> | 8918250.39 | INVESTMENT | | |
| SUBSIDIARY FUND | | | As per Schedule - D | | 1533326.81 |
| As per Schedule - A | | 17430538.82 | RECOVERABLE ADVANCE | | |
| OTHER FUND | | 17894624.92 | As per Schedule - E | | 1248370.00 |
| As per Last A/c | | | SUBSIDIARY FUND ADVANCES | | |
| HOSTEL FUND | | | As per Schedule - E | | 831483.08 |
| As per Last A/c | | 123404.00 | PROVIDENT FUND | | 16171967.59 |
| LOAN RECEIVED | | | Misc. Balance | | |
| As per Last A/c | | 523860.00 | As per Last A/c | | 2213.95 |
| RECURRING GRANT | | | CASH & BANK BALANCES | | |
| As per Last A/c | | 51196.00 | As per Schedule - F | | |
| PAY & ALLOW. GRANT | | | Cash at Bank | | 8168471.61 |
| As per Schedule - E | | 1002358.05 | Cash in Hand | | 165482.18 |
| PROVIDENT FUND | | | | | |
| As per Schedule - B | | 16171967.59 | | | |
| SUNDRY LIABILITIES | | | | | |
| As per Schedule - E | | 66898.00 | | | |
| SECURITY DEPOSIT FROM CASHIER | | 5000.00 | | | |
| | | <u>62188097.77</u> | | | <u>62188097.77</u> |



Juku
Principal
Raja N. L. Khan Women's College
Paschim Medinipur

RAJA NARENDRA LAL KHAN WOMEN'S COLLEGE, MIDNAPORE

Teacher
Principal
Raja N. L. Khan V. Men's College
Paschim Medinipur

H.

DECLARATION BY THE HEAD

OF THE INSTITUTION

AND

CERTIFICATE OF

COMPLIANCE



OFFICE OF THE PRINCIPAL

Phone : (03222) : 275426 / Fax : (03222) : 297865
Website :- mlkwc.org / email - mlkcollege@gmail.com**Raja Narendralal Khan Women's College**

(GOVT. SPONSORED) ★ ESTD.- 1957

NAAC RE-ACCREDITED 'A' GRADE COLLEGE ★ DST (FIST) GOVT. OF INDIA APPROVED COLLEGE

COLLEGE WITH POTENTIAL FOR EXCELLENCE (CPE) BY UGC, UGC APPROVED FOR BASIC SCIENCE & RESEARCH (BSR) DBT Star College

GOPE PALACE ❖ MIDNAPORE ❖ DIST.- PASCHIM MEDINIPUR ❖ PIN - 721102 (W.B.)

Ref. No.

Date 5.2.16

DECLARATION BY THE HEAD OF THE INSTITUTION

I certify that the data included in the Self Study Report (SSR) are true to the best of my knowledge.

The SSR has been prepared after internal discussions and no part thereof has been outsourced.

I am aware that the peer team will validate the information provided in the report during the peer team visit.

Place: Midnapore
Date : 05-02-2016

PRINCIPAL
(DR. JAYASREE LAHA)

Principal,
Raja N. L. Khan Women's College
Midnapore



OFFICE OF THE PRINCIPAL

Phone : (03222) : 275426 / Fax : (03222) : 297865
Website :- mlkwc.org / email - mlkcollege@gmail.com

Raja Narendralal Khan Women's College

(GOVT. SPONSORED) ★ ESTD.- 1957

NAAC RE-ACCREDITED 'A' GRADE COLLEGE ★ DST (FIST) GOVT. OF INDIA APPROVED COLLEGE

COLLEGE WITH POTENTIAL FOR EXCELLENCE (CPE) BY UGC, UGC APPROVED FOR BASIC SCIENCE & RESEARCH (BSR) DBT Star College

GOPE PALACE ❖ MIDNAPORE ❖ DIST.- PASCHIM MEDINIPUR ❖ PIN - 721102 (W.B.)

Ref. No.

Date 5-2-2016

CERTIFICATE OF COMPLIANCE

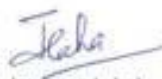
This is to certify that, Raja Narendralal Khan Women's College, Gope Palace, Midnapore, West Bengal fulfills all norms

1. Stipulated by the affiliating university and/or
2. Regulatory Council- University Grants Commission and
3. The affiliation and recognition is valid as on date.

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

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

Date : 5-2-2016
Place: Midnapore


(Dr. Jayasree Laha)
PRINCIPAL
Principal,
Raja N. L. Khan Women's College
Midnapore