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P R E F A C E

Foundation and History

Jagannath Kishore College (popularly known as J. K. College), the knowledge hub of Purulia, with a hinterland being one of the most economically backward regions of India, producing University topper as well as catering first generation learners, is analogous to a banyan tree, sapling of which was planted through the spiritual advice to the inconsolable heart of Gokul Kumari Devi, the then queen of Kashipur Royal family from one of the great medical practitioners India has ever produced and a visionary, Dr. Bidhan Chandra Roy, the former Chief Minister of West Bengal, at the demise of her husband Jagannath Kishore Lal Singh Deo, after a prolonged illness. Having said that he could not save her husband but advised her that her husband would be survived forever if she goes ahead with a noble project. Subsequently she went ahead with a donation of ₹ 1,00,000/- and along with some other generous contributors, by donating lands, the establishment of this college at the onset of India's independence has become a reality.

The college started its journey on the 22nd July, 1948, as a small private college in the then district of Manbhum, Bihar, affiliated to Patna University, Bihar. The College started with Intermediate in Arts (I.A.) course with 109 students in the rooms provided by Haripada Sahitya Mandir and Union Club, Purulia. Later on, the classes were shifted to Purulia Zilla School for a certain period. In the meantime, the own building of the College was started at donated land of Ketika, Purulia. The college was later on recognized by the Govt. of Bihar as a Govt. aided Institution in 1951. The then honourable Chief Minister of Bihar Sri Krishna Singh laid the foundation stone of the present Arts Building on 9th September, 1953. Sri Anugraha Narayan Singh, the then Finance Minister of Bihar, officially inaugurated the Arts building, the first own academic building of the College, on 10th October, 1953.



With the annexation of the geographical locality Manbhum as Purulia within West Bengal in 1st November, 1956, J. K. College was affiliated to the University of Calcutta. In 1961, the affiliation of the College was changed to the University of Burdwan. The present status of the college as Government-sponsored College was started at 1963. In recent past, the affiliation of the college again shifted to Sidho-Kanho-Birsha University, Purulia, a newly formed university which was launched by the Govt. of West Bengal in 2010. It is no less significant that the initial camp office of the university was at JK College, and the administrative building of the university is being built at the heart of the town at a lucrative site of over 12 acres land donated by JK College for this noble project. It is also a fact worth mention that three of the PG departments, Mathematics, Physics and Commerce, commenced within our college campus and ran effectively for three semesters with the infrastructural and academic expertise of this college. J. K. College passed its Golden Jubilee, and stands with head high as a premier Institution of higher education not only in Purulia district, but also recognized as one of the best Institutions in West Bengal .The college has been recognized by the UGC in 1972 under section 2f of the UGC Act, and ours is now a NAAC accredited College with B⁺ grade awarded by the UGC in 2005. Moreover, the college received the status of College with Potential for Excellence (CPE) from UGC in 2010.

Presently, the college operates in two shifts – Morning and Day. The college offers undergraduate Honours courses in 19 subjects of Languages, Humanities, Science and Commerce streams, producing University toppers since its UGC recognition in almost all the subjects. Besides, the new Post-Graduate course in Mathematics is running successfully with University toppers in 2011. Apart from these the college also offers general courses in Humanities, Science and Commerce streams to promote the requirement of mass education to the first generation learners in backward areas like Purulia.

The IGNOU study center of the College provides opportunities for

higher education in non-formal mode. The college runs the IGNOU study Centre in the evening; the learners may enjoy horizontal mobility pursuing simultaneously usual/regular University curriculum as well as some courses in the distant mode.

Goals

“SHRADDHABAN LAVATE GAYANAM”, the speech within the logo of J. K. College bears the rhetorical concept of achieving wisdom through respectfulness. In other word true human can only achieve such wisdom. J. K. College, since its beginning, always tries to blossom the personality of the learners with an aim for cultivation of such purist knowledge. We always emphasize the importance of value-based education, to make JKC students not only worldly competitive, but also a responsible citizen. The primary challenge to this goal is that we have a significant portion of first generation learners. Being the only premier Institute of higher Education of the backward district like Purulia, the motto of the college spreading the light of education among a major section of tribals as well as socially and financially marginalized inhabitants, is a reality. In this scenario, however, the institution, its teaching and non-teaching peers, its past and present students unfailingly prove our institutional mission, following the ethos of Swami Vivekananda - “Education is the manifestation of the perfection already in man”.

The other mission of our Institution is to create sensible citizens of the future for adapting and acclimatizing themselves to the constantly changing social realities, keeping in mind the concept of Darwin - “Survival of the fittest”.

Administration

The highest level administrative body of the College is the Governing Body (GB). Presently the GB is constituted of 11 members, following the norms and guidelines of the affiliating Sidho-Kanho-Birsha University. Several high-power committees such as Admission Committee, Finance Committee, Purchase Committee,

UGC development Committee, Building Committee, Library committee, Canteen committee etc. are constituted for smooth running of the College. The nomenclature of the committee speaks for their function. Each committee is convened by a teacher member and is assisted with several other responsible teacher and staff members, as per the requirements. The Principal is the chairman of all these committees. These committees meet regularly as per the requirement of the College.

Teachers' Council is an academic body, comprising all the teacher members, is framed according to the University regulations. The Council is functionally operated by the elected teacher Secretary, who is assisted with the elected teacher Assistant Secretary. The Principal is the president of the Council. The primary activity of the council is to help the Principal in academic matters for smooth and successful running of the College.

Apart from these, every academic department has academic subcommittees headed by the senior-most teacher of the department along with active participations of all the other teacher members. The Primary responsibility of these subcommittees is to execute the academic autonomy vested on them, by preparing a realistic academic programme to complete the syllabus according to the students' need.

Curriculum Provision

The Institution offers U.G. courses (both General and Honours) in Arts, Science and Commerce streams and P.G. course in Mathematics. (1+1+1) system of the U.G.C. is followed in the U.G. courses. The P.G. course runs in semester system. Along with traditional subjects in the streams, College has managed successful running of the Honours courses in modern applied subjects like Geology, Microbiology, Education and Computer Science; the courses in such applied subjects are relatively new. The College offers Honours courses in 19 such traditional and applied subjects. Depending on societal / regional needs Hindi is being taught as an Honours and elective subject catering to the needs of the large Hindi-speaking

population of the district and its neighboring areas of Jharkhand and Bihar. Since substantial portions of the population of the town are Muslim, Urdu is offered as an elective combination.

The curriculum design being the University prerogative, the college is intent on initiating several learner-friendly schedules for successful execution of such design. Identified as a prospective Lead College in the district with CPE status, it aspires to grow and motivate the curriculum design of the University, through participation in UGBOS meeting of the University.

However, the delineated areas of weakness include (a) the college should have more courses in P.G. level, (b) relatively limited elective subject options at the Undergraduate level, in other words, no interdisciplinary elective combination choice amongst three streams and (c) little choice in vocational / job-oriented courses.

The physical challenges in curricular aspects have persisted largely due to (1) shortage of class-rooms, (2) inadequate number of teaching and non-teaching posts, (3) belated realization to adapt to the changing needs, (4) a large no. of students opted for elective combination in specific subjects, such as Bengali, History, Chemistry, (5) lack of sufficient computers & Internet access to the learners and (6) severe financial constraints of the Govt. concerned, of the institution, and especially, of the majority of the learner class.

Student Strength

The present student strength of the college is around 2900 (approximately) in the undergraduate (both Honours and General Category), distributed in three years and 70 in the postgraduate Mathematics Department. A large section, almost 30% of the total students belongs to the general category students. Yearly Honours category students of the three streams are approximately 500, 225 and 75 in Arts, Science and Commerce streams respectively. Out of the 500 students approximately 200 students

are Language students and the rest belong to the social science category. It is really challenging to address such a huge quantity of students in proper manner. J. K. College, with all of its human resources accepted the challenges and handled it carefully in the best possible manner.

The college runs in two sessions to handle such huge students' intake, namely, morning and day session. Entire commerce streams (both Honours and General category) are dealt with in the morning session. The Arts general category students are also entertained in the morning session. These two branches have their own administrative supports, including library and laboratory facilities, headed by two separate Teaches-in-Charges. The other Honours category students are treated in the day session of the college.

Staff Strength

Successful and smooth running of the college is very much dependent on the human resources. Both teaching and non-teaching staff members are the most important part of the human resources. There is very healthy teaching post: non-teaching post ratio in the sanctioned post of approximately 3: 2. The sanctioned teaching post of the College is 64, while the sanctioned non-teaching post is 41.

The present teaching strength of the college is 92; out of which 42 are full time teachers, 14 are part time teachers, 5 are contractual teachers and 31 are guest lecturers. In most of the Departments there exists a very healthy teacher: students ratio, well below 1: 40. However, some Departments have the ratio as high as 1: 60 or more. The discrepancies in these Departments are addressed by arranging more tutorial classes. The important part of the full time teaching resources of the college is that almost 55% the full time teachers are Associate Professors and the rest are Assistant Professors; thus the college has a nice balance of experience and youth. The other categories of teaching staff, namely part time teachers and guest lecturers are appointed against the vacant posts. The requirement of 3 part time teachers against

each vacant post is not strictly maintained. The discrepancy arises is addressed with quality teaching, by the experienced part time teaches or guest lecturers, and it is ensured by the authority in discussion with the other full time teachers of the Departments, keeping in mind the financial situation of the college. Such a teaching staff strength is an asset of the college, and very important for the future growth.

The present non-teaching post of the college is filled up with 19 full time staff as against the 42 sanctioned posts. There are 20 casual staff to pursue the jobs. Presently, the college has one contractual librarian and one casual assistant librarian against the two sanctioned class II librarian and assistant librarian posts. There are 4 class III full time staff as against 8 sanctioned posts and 9 class IV administrative staff as against the sanctioned 18 posts. This is really a challenging job to provide administrative and academic services through office and library respectively to such a huge capacity of students. However, the college tries its best to provide the services in the best possible manner with the help of casual staff. There is also an acute shortage of laboratory class IV full time staff of 6 as against the sanctioned 15 posts. Although 5 casual class IV staff are appointed in the laboratories, but the shortage still exists. The financial situation of the college compelled us to bear with the situation.

Teaching-Learning

The primary strength of the college lies in their healthy teacher-taught ratio of 1:35, more than 200 teaching days per year. The fact helped the faculties to cover more or less the whole assigned curriculum. Modern methodology of delivering lectures using LCD projectors along with traditional method of chalk-and-talk was adopted as a primary teaching-learning procedure. The lecture notes are provided well in advance before addressing the lectures. Practical methodologies such as visit to different historical places, museums, model villages are generally adopted for better learning process. Curricular and extra-curricular developments also involve seminars, workshops, interdisciplinary lectures and special sessions between the departments,

exhibitions, field-work and festivals. Extra emphasis on value-based education is laid by organizing talks on Human Rights, Communal Harmony, National Integration, Social Abuses, Superstitions, Drug & Alcoholic Addiction, and Environmental Awareness etc.

The session begins with distribution of academic calendar and stipulated syllabus to the learners. The syllabus content is systematically divided and assigned amongst the teachers as per the number of classes available. This is regularly revised and rescheduled for better output by the departmental teachers, as and when required. Additional lectures, tutorials, and individual counseling are regularly held, apart from usual classes, as special measures for the educationally disadvantaged as well as for the inquisitive learners. The teachers, especially the youth batch, are regularly attending Refresher Courses and Orientation Programmes, for their academic up gradation. A significant number of teachers are attending regularly in National & International level seminars and workshops, both as delegates and as resource persons presenting papers.

Learners are to undertake two terminals and Sent-up Test Examination. Questions are set strictly in accordance with the University Examination model, and answer-scripts are shown to the students with a view to improve upon their performance in the university level examinations. In practice, some effective mode of evaluation was also complemented the traditional examination mode. This includes performance in classes through surprise class-tests, performance in the departmentally organized extempore talks on selected topics. This assessment system is harmoniously integrated with the performance in various extra-curricular activities, extension programmes and service-oriented schemes such as the NCC and the NSS. The performance of the teachers is also assessed by the yearly feedbacks received from the outgoing students.

The primary weaknesses along with such strength are mainly because of

- 1) Shortage of full-time teachers, which leads to depend heavily on part-time teachers and guest lecturers in some departments,
- 2) Shortage of class-rooms for which adequate number of tutorials / counseling sessions are held beyond routine hours,
- 3) Paucity of space, manpower and financial *forte* affecting library / laboratory service, insufficiency of modern teaching aids, and the virtual absence of the concept of Departmental / Seminar library in Arts and Commerce.

Things, however, are moving towards a better tomorrow. The advancement of the e-learning facilities through computer library as well as through student's terminal in the Departments is modern step of opportunities available to the students. The primary challenges of such system are the organization and management of the computer library for such a huge number of students, availability of inadequate number of student's terminal in the Department.

Infrastructure

The College campus with a total area of 21.28 acre of pollution-free spacious land with ever-increasing natural greenery, totally encircled with boundary wall, is fully equipped with several physical and infrastructural facilities. Modern class-rooms, seminar halls, technology-enabled learning spaces, well equipped laboratories are easily accessible to the stake-holders. Specialized facilities such as e-learning, Inlibnet etc. guiding towards modern research are also easily available.

The College is housed with separate Administrative wing in close proximity to five Academic buildings, and of course, separate Central Library building. All the Laboratory Departments, primarily Science Departments have blocks of their own in four academic wings and the entire non-Laboratory Departments, primarily Arts Departments, has a block of its own, which the Commerce stream uses in the morning

shift.

Adequate modern classrooms, easily accessible technology enabled learning spaces, seminar halls, well equipped modern laboratories, garden of medicinal plants are the most important curricular facilities. Besides, there exist a lot of co-curricular facilities. Some important ones are namely, playground with eight lane 400 m track & field with an enclave of football ground, space for indoor games, auditorium, mini gymnasium, medical facility cell etc.

The college ensures sufficient common facilities such as canteen with safe drinking water, health center, several vehicle stand, grievance redressal cell, anti-ragging cell, career counseling cell, entry level coaching cell, remedial coaching cell etc. to the students.

The college provides sufficient residential facilities for the students. Accommodations are available in three present hostels, namely Chittaranjan Mahato Memorial Hostel, Thakkar Bappa Adibasi Hostel and Central Scheduled Caste Boys' Hostel. Additionally a girls' hostel is on the verge of completion. Notably, there are adequate recreation facilities with common-rooms and library facilities exist in the hostels.

J. K. College possesses an enriched library in the district named as Vivekananda Kendriya Granthagar. Perhaps it is the biggest and richest college library in the University also. The library has almost 50000 books to its credit, and it remains open from 7:00 AM to 7:00 PM. The library is fully computerized with assistance in searching database for reference books. The college also possesses adequate desktop computers with latest configuration running with Licensed WINDOWS 7 and MS Office software connected with LAN and central server system having internet facilities; some of the terminals are exclusively used by the students. The feature is unique amongst the educational institutions in the district.

Research and Faculty Development

The scope of research for the students is restricted because the college is basically an undergraduate college. However, ample good quality research work is regularly published by the faculty members of the college in several national and international reputed journals. The college provides facilities like internet, computer, reprography, well-equipped central library, and partially equipped research mode laboratories to promote research amongst the research-minded teachers. A sizeable proportion of the faculty members have submitted their Ph.D. thesis after being a faculty member of the College. Some of them are still engaged in research activities, investigating Major and Minor research projects funded by external agencies, and contributing research articles to different journals of national & international repute.

A large number of full-time teachers regularly participate in Seminars, Conferences & Workshops, both at the national and international levels. Special mention may here be made of various seminars & workshops regularly organized by different Departments (often funded by the U.G.C.) in which distinguished resource persons from various universities, from India and abroad, present papers targeting mainly the students of this college as well as other colleges of the district, expanding the horizon of their knowledge and inspiring them for higher analytical studies & research.

Linkage

An well-organized and well-managed administration can only successfully drive the aims and objectives of the college. The entire process of quality-check, advancement, upliftment and expansion is overseen by the management with a democratic and participative spirit through several committees. The committees operate on three levels: Monitoring, Advice, and Modification; and the process covers four major components of the institution: Administration, Teaching, Non-Teaching and the Students.

Class Management and Academic Calendar is annually reviewed and restructured by the Academic Committee. Finance committee reviews the fee-structures according to Govt. directives and stipulations. Welfare programmes are organized by various Departments. Organizing Seminars, Workshops and in-house and outfield educational projects like field trips, excursions, educational tours etc. are regularly undertaken.

Alumni

J.K. College, Purulia has every reason to boast of the alumni. It comprises renowned entrepreneurs, social workers, cultural activists, politicians, academicians and service-holders in India and abroad. Wherever an ex-student of this college may be settled, she or he is in touch with this institute.

The Alumni association of the College celebrates actively the college foundation day annually on 22nd July. Four full time faculty members are the alumni of the college, and they bear the responsibility of smooth running of the association. The institution receives counsels and advices regarding the all-round development of the college from the members. The members also actively help to raise funds for the development of the college. The Alumni Association also encourages the meritorious students by rewarding them.

Self-Analyses

The NAAC peer team, visited in cycle 1, suggested few recommendations for the future development of the College. The College, keeping in mind a large number of constraints, tries its best to follow the recommendations. These can be tabulated as follows:

Serial no.	Recommendation	Action taken
1	Strengthening of the Library with more number of titles and references	The Titles and references increased from 31,922 no. of books to 47,997.
2	Strategy to reduce dropout rate for other courses	More modern infrastructural facilities are given to the students
3	Raise source of income from Alumnae and others	Preliminary steps have been taken to raise the sources by consultancy. Space for ATM to be provided to bank on rental basis.
4	Remedial courses in English	Remedial classes are taken for the SC/ST/OBC and minority students
5	Coaching of various public service Examinations	Entry Level coaching courses have been successfully organized
6	Vacant post for teachers, librarian to be filled up	College filed the requisition for filling up the posts in time, but the post filling up is dependent on Government policies.
7	Strengthening of Central computer facility	Data Base server with Internet facility was installed and the terminals at different departments are connected with LAN facility.
8	Auditorium	Construction of Indoor Spots Training Hall which can be used as auditorium is in progress.
9	Introduction of more course option, more subjects of social needs, Music as a subject	Introduction of courses in University prerogative; Geography, Education and Hindi Honours courses were introduced to meet up the social needs; Music and Urdu as subjects are introduced.

Serial no.	Recommendation	Action taken
10	Establishment of Central Instrumentation service center for science department	Although, there is no formal center established; the college arranges to train its human resources of Computer Science Department to support the Computers and LAN connectivity systems at various departments.
11	Self-appraisal from Non-teaching staff	No such measures could be taken.
12	Introduction of PG courses in Commerce, English, Industrial Chemistry, Geology and Computer Application.	College has run 3 semesters of PG courses in Commerce and Physics of newly formed SKBU; proposal for introduction of PG courses has been submitted for Physics.
13	Introduction of short term job-oriented certificate courses	Proposal has sent to Kalyan for the same.
14	Augmentations of Lab infrastructures in science Departments	The Science departmental infrastructure was enhanced both with the introduction of new instruments and also by increasing the number of the traditional instruments.
15	Establishment of Women's Hostel	Construction is in progress.
16	Attention of hostel to the tribal students	A new Govt. hostel was constructed and is in operation for SC students and the old accommodation for ST students was renovated.
17	Establishment of modern multi-Gym	Proposal sent for establishment

Executive Summary

Jagannath Kishore College, Purulia, was established in 1948, just after independence, with primary mission of catering the largely first generation learners in a backward district like Purulia. Since its inception, J.K.College enjoys the pride, justifiably of being the premier institution in the district of Purulia in the field of higher education. Simultaneously J. K. College shoulders the responsibility of efficient and active leadership in this field. Intellectual as well as academic growth of our students is our moral duty and J. K. College is well quipped to cope with the challenges throughout its history. So our attempt is for Human Resource Development through the process of enlightenment of our students not only to face the challenges of Post-graduate studies, but also to place themselves as conscious and committed citizens of the society.

With such an ideal keeping in mind, the college always faces the compatibility contest between academic excellence and available resources since its historical development. However, sometimes the progress of the college is temporarily hindered by multiple constraints; but our sincere effort along with our friends and well-wishers in the Society together succeeded in overcoming such obstacles. The academic pursuit was undoubtedly never affected by financial constraints. The honest effort of our teachers alongwith sincerity of the students are clearly reflected in our result, although we need more buildings, more teaching and non-teaching personnel, more teaching aids, more laboratory equipments, advanced library mechanism, more academic and administrative space etc.

The college was accredited by NAAC in the first cycle as B⁺ in 2005. Presently the college is affiliated to the newly formed Sidho-Kanho-Birsha University, since 2010. The initial camp office of the university was at J. K. College, and we helped the university in all possible ways in its initial development. It is worthwhile to mention in this respect that our college has donated 13 acre of land in the town for construction of the University campus.

It is praiseworthy to mention in this respect that the recommendations noted by the first cycle peer team were addressed in the subsequent years with great sincerity. Most of issues were addressed barring a few held up due to government policies. The major achievements were the construction of girls' hostel and auditorium cum indoor sports hall, installation of central computer facility, enhancement in library books and laboratory equipment.

The criteria-wise efforts can be summarised as follows:

- **Curricular Aspects:-** The requirement for more job-oriented curriculum is addressed carefully and was placed in the meeting of the parent University through affiliated members in both UG and PG courses.
- **Teaching-Learning and Evaluation:-** Teaching and learning in our college is an example of well-orchestrated effort of the teaching faculty, non-teaching members and the students. Admission of student in the College is strictly on merit basis following the admissible rules and regulations as laid down by the parent University and by the Government. Traditional chalk-and-talk method is mixed up judiciously with latest developments in science and technology for effective teaching.
- **Research Consultancy and Extension:-** a number of teachers of our college are engaged in active research pursuing minor and major project under external funded agencies. NSS and NCC wings are actively involved in extension activities that help the college to reach out to the greater community. Some extension activities are in conjunction with eminent institutions like Rama Krishna Mission, Purulia and NGOs like Kalyan, Purulia.
- **Infrastructure and Learning Resources:-** Our college has a well-equipped Central Library with adequate modern facilities. Almost 48000 books on various subjects are there in the library along with

journals and on-line reading facilities through INFLIBNET. Class rooms are airy and well-lit, with non-ceramic green and white boards. The laboratories are all up to the mark.

- **Student Support and Progression:-** The college provide the hostel facilities for boys' and girls' hostel is being built. We have every reason to take pride in our students. We produce university toppers on a regular basis. Our students find placements not only in great institutions in India and abroad, but also hold responsible positions in several government and private sectors, in industries, financial institutions etc.
- **Governance and Leadership:-** We believe in mutual co-existence. Governance is decentralized through formation of different committees and sub-committees as far as practicable. We impart value-based education to the students and generate leadership through extension activities and community services.
- **Innovative Practices:-** J. K. College, Purulia has introduced on line admission, fully equipped e-class room, centralized generator facilities, and free internet access to the staff and students. The library is fully computerized and central server-system has been installed for unimpaired internet access.



Profile of the Affiliated /Constituent College

Profile of the Affiliated /Constituent College

1. Name and address of the college:

Name:	Jagannath Kishore College, Purulia		
Address:	P.O.& Dist. Purulia		
City:	Purulia	Pin: 723101	State: West Bengal
Website:	www.jkcpri.ac.in		

2. For communication:

Designation :	Principal
Name :	Dr. Santanu Chattopadhyay
Telephone with STD Code :	03252 – 222416 / 228744
Mobile Number :	9434111565
Fax :	03252 – 228744
Email :	jkcp.1948@ gmail.com & principal@jkcpri.ac.in

Designation :	Steering Committee Co-ordinator
Name :	Dr. Rajib Kar
Telephone with STD Code :	03252 – 222416 / 228744
Mobile Number :	9474509798
Fax :	03252 – 228744
Email :	rajib_kar@ yahoo.com

3. Status of the of Institution :

Affiliated College

Constituent College

Any other (specify)

√

4. Type of Institution:

a. By Gender

i. For Men

ii. For Women

iii. Co-education

√

b. By Shift

i. Regular

ii. Day

iii. Evening

iv. Morning

√
√

5. Is it a recognized minority institution?

Yes

No

√

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

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6. Source of funding:

Government

Grant-in-aid

Self-financing

Any other

√

7. a. Date of establishment of the college: 22/07/1948 (dd/mm/yyyy)

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

Sidho-Kanho-Birsha University

c. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks (If any)
i. 2 (f)	01-07-1972	
ii. 12 (B)	01-07-1972	

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.				
ii.				
iii.				
iv.				

(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: 22/07/2010 (dd/mm/yyyy)

b. for its performance by any other governmental agency?

Yes No

If yes, Name of the agency and

Date of recognition: (dd/mm/yyyy)

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

Location *	Urban
Campus area in sq. mts.	89030.92 sq. mt
Built up area in sq. mts.	6745.40 sq. mt

(* 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 03
 - ii. Number of inmates 184 (General Hostel – 56, Govt. Central SC Hostel – 80, Thakkar Bappa Adivasi Hostel for ST – 48)
 - iii. Facilities (mention available facilities)
 - * Girls' hostel
 - i. Number of hostels – 01 (under construction)
 - ii. Number of inmates
 - iii. Facilities (mention available facilities)
 - * Working women's hostel
 - i. Number of inmates
 - ii. Facilities (mention available facilities)
- Residential facilities for teaching and non-teaching staff (give numbers available -- cadre wise)
- Cafeteria --
- Health centre – Yes
 First aid, Inpatient, Outpatient, Emergency care facility, Ambulance.....
 Health centre staff –

Qualified doctor	Full time	<input type="checkbox"/>	<u>Part-time</u>	<input checked="" type="checkbox"/>
Qualified Nurse	Full time	<input type="checkbox"/>	Part-time	<input type="checkbox"/>

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

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
	Under-Graduate	B.A. B.Sc. B.Com	3 years	10+2	English, Bengali & Hindi	1460	1287
	Post-Graduate	Mathematics	2 years	B.Sc Mathematics Honours	English	35	35
	Integrated Programmes P G						
	Ph.D.						
	M.Phil.						
	Ph. D.						
	Certificate courses						
	UG Diploma						
	PG Diploma						
	Any Other (specify and provide details)						

13. Does the college offer self-financed Programmes?

Yes

No

If yes, how many?

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

Yes	√	No		Number	5
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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.)

Particulars	UG	PG	Research
Science	08	01	
Arts	10		
Commerce	01		
Any Other not covered above			

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

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

17. Number of Programmes with

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

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

Yes No

If yes,

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

b. NCTE recognition details (if applicable)

Notification No.:

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

and number of batches that completed the programme

b. NCTE recognition details (if applicable)

Notification No.:

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	*M	*F	*M	*F
Sanctioned by the UGC / University / State Government			22	2	13	5	16	2	1	0
<i>Recruited</i>										
<i>Yet to recruit</i>					22		22			
Sanctioned by the Management/society or other authorized bodies										
<i>Recruited</i>										
<i>Yet to recruit</i>										

*M-Male *F-Female

21. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.							
Ph.D.			13	1	7	4	25
M.Phil.			1	0			1
PG			8	1	6	1	16
Temporary teachers							
Ph.D.							
M.Phil.							
PG							
Part-time teachers							
Ph.D.					1	0	1
M.Phil.							
PG					8	5	13

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

17

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

Categories	Year 1 2010		Year 2 2011		Year 3 2012		Year 4 2013	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	283	54	434	65	458	63	575	57
ST	81	21	129	16	147	21	168	30
OBC	169	76	211	59	240	68	273	61
General	1622	363	1312	556	1241	581	1272	616
others	60	41	112	7	61	31	66	39

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

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same state where the college is located	1254	35			1289
Students from other states of India	33	NIL			33
NRI students	NIL				
Foreign students	NIL				
Total	1287				

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

UG

PG

26. Unit Cost of Education

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

(a) including the salary component

(b) excluding the salary component

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.

c) Number of programmes offered

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

Yes

No

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

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: 20.02.2005 (dd/mm/yyyy) Accreditation Outcome/Result **B+**
Cycle 2: (dd/mm/yyyy) Accreditation Outcome/Result.....
Cycle 3: (dd/mm/yyyy) Accreditation Outcome/Result.....
*** Kindly enclose copy of accreditation certificate(s) and peer team report(s) as an annexure.**
31. Number of working days during the last academic year.
32. Number of teaching days during the last academic year
(Teaching days means days on which lectures were engaged excluding the examination days)
33. Date of establishment of Internal Quality Assurance Cell (IQAC)
IQAC 04.06.2005 (dd/mm/yyyy)
34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.
AQAR (i) 25.08.2007 for 2005-2006 (dd/mm/yyyy)
AQAR (ii) 03.05.2008 for 2006-2007 (dd/mm/yyyy)
AQAR (iii) 22.02.2009 for 2007-2008 (dd/mm/yyyy)
AQAR (iv) 23.05.2011 for 2008-2009 (dd/mm/yyyy)
35. Any other relevant data (not covered above) the college would like to include.
(Do not include explanatory/descriptive information)



C. Criteria-Wise Inputs

CRITERION I:

CURRICULAR ASPECTS



1.1 Curriculum Planning and Implementation

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

J K College, Purulia is the premier educational institute in a district which verges on the western border of West Bengal. The district being perpetually under-developed, this college has the additional responsibility of holding the torch of enlightenment to enable Purulia stride boldly to the new millennium. Our college has firm faith in the upanisadic ethos: “Shraddhaban Lavate Gyanam” meaning “Those who are full of respect and humility can alone achieve true wisdom”. We believe in the great maxim of Swami Vivekananda that education is the manifestation of perfection already in man.

Our mission is to make our college a shrine in the temple of higher education. We cherish a dream to open up new avenues to help our students disciplined, self-confident and self-reliant. Our special focus is on cultivating scientific spirit among our students, to mobilise them towards national duties through social service, corporate activities and all round development of personality. We believe in value-based education with flexibility of vision to cope up with the newer challenges of globalized world with the best of spirit. We strive with never-satiated spirit of Ulysses for avenues not yet explored and domains of wisdom still untouched.

Teachers, the taught and our staff in non-teaching section complement in imparting best of education and values with utmost sincerity, devotion and dedication. The academic and administrative matters are handled amidst most cordial environment on the basis of merit, priority and humane consideration. Discerning teachers and students are supported with best of academic ambience most conducive to the complete efflorescence of their quest and

commitment. Equally friendly ambience is prevalent for students interested in co-curricular activities. Staff of our college do sincerely believe in ‘work is worship’, and in work we make no difference or distinction. Spirit of liberty, equality and fraternity prevails in all corporate activities of the college involving teachers, students and non-teaching staff.

Our college is keenly aware of the role it must necessarily play in rendering services to the greater community. Naturally the college has to interact with all types of stake-holders. In officiating such interactions the college is committed to extend friendly gesture. Naturally we leave very little space for disagreement or dissatisfaction. Sympathy and sincerity are the key-note of our success.

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

At the beginning of every academic session the Principal convenes a meeting of the Teachers’ Council to lay down the general principles for pursuing academic calendar. Then the broad principles are determined in the meeting of the academic sub-committee. The HODs of all departments are members of the academic sub-committee by default, and the Principal superintends the process of development of the curriculum as laid down by the university to deploy the same to each department with a close eye on feasibility and convenience. Each department sets up its routine in such a way that the curriculum is distributed automatically without impairing the academic interest of anybody concerned.

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

JK College, Purulia is presently affiliated to the newly set up Sidho-Kanho-Birsha University, Purulia. The university already framed syllabi for under-graduate courses and duly dispatched the same to the affiliated colleges. Our college already implemented this curriculum in both UG and PG level. Teachers are departmentally at liberty to frame their curriculum without impairing the general principles laid down by the institution. Improvisation in teaching is a space that the college is always trying to encourage through the improvement of the library and laboratories and the installment of most updated teaching aids for the classrooms. Teachers can take advantage of audio-visual aids and the e-classroom. Educational excursions and field-works are encouraged. Teachers are encouraged to organize and participate in seminars, symposia and conferences. They take active part in orientation programs and refreshers courses under UGC sponsorship to update them.

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

As a Govt-aided college, JK College, Purulia is directly under the DPI, Govt of West Bengal. Presently the college is under Sidho-Kanho-Birsha University, Purulia. The apex body of the college that governs all internal matters is the Governing Body. The UGC is the statutory authority to regulate all our norms.

The college takes all initiatives to effectively implement the curriculum. The college runs with the basic ethos of providing best education to the students within the available infrastructure. The college always complies with the best of intentions to all formulations from various statutory bodies.

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

J.K.College, Purulia as the leading educational institute in the district, has to undertake

various programs involving local self-government, NGOs and research bodies. The college is always ready to help other organisations, and to get help from them. District Science Centre is at regular interaction with the college. Manbhum Sports Association helps us a lot in conducting games and sports and training our students for better performance at university and state level. The college maintains a healthy relation with the authorities of Deben Mahato Sadar Hospital, Purulia Municipality and Zilla Parishad, Purulia. Local NCC office helps our cadets regularly to inculcate a spirit of national solidarity and discipline. Adopted villages under NSS are immensely benefited by our volunteers. Vivekananda Path-Chakra, a library wing with the intention of value-based education, has been launched by our college in collaboration with Ram Krishna Mission Vidyapith, Purulia. Our efficient teachers help in examining answer scripts and in taking viva-voce in School Service Commission, Western Region under the Govt of West Bengal. Our teachers attend seminars and orientation programs and, when required, help in viva in esteemed institutions like Sainik School, Purulia and Ramakrishna Mission Vidyapith, Purulia, not to talk of other academic institutions in the town.

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

The college earned its reputation as one of the best affiliated colleges under the University of Burdwan. Teachers of our college served the university under various capacities like paper-setters, moderators, examiners, chairmanship of UG papers, being members of the Board of Studies and complying with all initiatives of the university with the best of spirit. When the Govt. of West Bengal launched the new university, Sidho-Kanho-Birsha University, Purulia, J.K.College was chosen as the campus-office. Our college donated a lucrative site at the heart of the town for the noble project. The administrative campus of the new university is being built there. Our college offered all possible help to the university in its initial attempts at framing syllabi, forming Board of Studies, and complying with all requirements of a university in its early stage.

Our college displays the spirit of democracy and equality in inviting feedback from all corners. We give utmost importance to students' feedback. The teachers are asked to submit self-appraisal mandatorily. We have a Grievance Cell to enable all concerned with the platform for registering their grievances, if any, and help us in making our college better. Our Alumni Association gives us feedback time to time. We maintain record of the visitors and invite their comments. We are eager to extend our helping hands to the poor, the marginalized and the first-generation learners. We look forward to the hopeful future when people of all sections will be part of this big family – eminent entrepreneurs, pioneers in the field of academics, culture and games and sports, and other institutions and organizations.

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

All the courses offered in our college are directly under the affiliation of Sidho- Kanho- Birsha University.

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

Our college has been maintaining high quality of academic performance for a long time. The increasing number of university toppers in various departments and the placement thereof clearly underline the fecundity of the academic environment within the campus. It is maintained mainly through the dedication of the teachers, commitment of the supporting staff and the effective vigilance of the Governing Body. Ours is a relatively less-disturbed campus within which the basic mantra is quality from within quantity. We cannot put a deaf heed to the ever-increasing demand for higher education for more. At the same time we maintain discipline and impart our best to the students. When passed out, all of them do not reflect the same academic proficiency, but most of them learn to face the challenges of the new age with greater grit and determination.

1.2 Academic Flexibility

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

J.K.College, Purulia is committed to ensure all round development of the academics. This holistic effort requires newer avenues and fresher fields. The college already launched modern disciplines like Geology, Microbiology and Computer Science. Honours in Education and Hindi is part of that goal. We look forward to other options like PGBT, Honours in Environmental Science, Anthropology and Bio-Technology, and skill-development courses like Basic Computer, Gemology, Environment Studies, Pathology and Soil-Testing.

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

N.A.

1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability

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

Our college offers courses of traditional values as well as of newer approaches. Potential for employability is a key factor that attracts students to opt for different Honours courses. We also make sure of other factors like skill development, academic mobility, and progression to higher studies.

- Choice Based Credit System and range of subject options

As the frontier college of a backward district, JK College is compelled to make compromises in regards to the subject options. Increasing pressure for admission makes it difficult to create the desired ambience of micro-teaching. Students are offered subject options as per their merit and feasibility of the class-room realities.

- Courses offered in modular form

The university frames syllabi, and the offered courses are set to modules keeping a keen eye on flexibility and feasibility.

- Credit transfer and accumulation facility
- Lateral and vertical mobility within and across programmes and courses
- Enrichment courses

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

N.A.

1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If 'yes' provide details of such programme and the beneficiaries.

The College regularly organize UGC sponsored Entry Level coaching course to enlighten the students about the global employment scenario. The course is also helpful for them to compete in the entrance examinations.

1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice” If ‘yes’, how does the institution take advantage of such provision for the benefit of students?

N.A.

1.3 Curriculum Enrichment

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

J.K.College, Purulia ensures high academic standard through commitment of teachers. Most of our teachers hold important position under the university and their valuable counseling helps students to grasp the basics of the curriculum framed by the university. The teachers encourage the students to understand the rationale of the curriculum and to face the challenges more effectively. Ultimately the give-and-take of the teachers and students leads to the effective implementation of the curriculum.

1.3.2 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 curriculum, framed by the university, is modified, enriched and organized by the collective efforts of the teachers and the taught. First priority is the institutional reality. Teachers are free to adapt themselves to the feasibility of the institution. They help students to approach the syllabus from practical realities, develop the habit of attending library regularly, update them through exposure to the web, and they encourage them to best adapt

themselves to the given realities and make themselves ready to face the challenges of employment market. This integrated effort ensures the most effective implementation of the curriculum.

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

Our college runs through well-orchestrated efforts from all concerned to ensure healthy balance of gender, climatic and environmental realities, human rights and ICT. The college gives priority to merit, with a keen eye on the economically challenged and socially down-trodden groups. Environmental studies has been mandatorily included into the curriculum. NSS volunteers help in general environmental awareness through regular cleaning and plantation not only within the campus but in the adopted villages and crowded places like the bus-stand. Programmes on human rights are regularly held for mass awareness. We believe in the basic principle that charity begins at home. So clean campus and healthy human relationship within it are our prime concern.

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

- moral and ethical values
 - employable and life skills
 - better career options
 - community orientation
- J.K.College, Purulia sincerely believes that only the pious and men of humility can attain true wisdom. So our effort is holistic. We are the last group to submit that bookish knowledge alone is everything. The students

must read, but they should also look beyond books to the practical world. They must develop values that will give them a sense of unity with the world outside. We are in regular contact with Rama Krishna Mission, Purulia as we give highest regard to the principle of Swami Vivekananda that education is the manifestation of perfection already in man. Our staff and students are full of regard for multi-religious and multi-lingual realities of our country. Our college is in tune with communal harmony and national integrity. Our NSS and NCC units are always alert in regard to community services and national solidarity.

- We are equally aware of the changing realities of India and the world. To make our students ready to face such challenges, we set up Career-Counselling Cell, invite experts for counseling, and help our students under various capacities to go for better career opportunities.
- No less significant is the sense of fraternity and harmony among the staff and students. Whenever any incumbent is challenged in any way, everybody within the college is ready to jump into the occasion. Poor Boys' Fund, personal collection and help extended by people outside have helped us much to get successfully through insurgencies. Such moments make us fully aware of the importance of maintaining relationship with the greater community. We believe in reciprocity and harmonious co-existence.

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

The feedback on the curriculum is entertained from the stakeholders, especially from the past and present students. Also, the constructive criticism on the curriculum is regularly entertained from the visiting faculties. The feedback, thus received, is circulated to the parent body, the SKBU, through the member of UGBOS to enrich the curriculum provision.

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

The college monitors all enrichment programmes through top-up and bottom-down system. Major policy-decisions are taken by the Governing Body, the apex authority of the college. This body evaluates every programme at the end, apart from taking final decision on all administrative matters of the college. The Staff-council monitors and evaluates academic matters. The Sub-committees framed by the Governing Body also help in monitoring and evaluation of library, canteen, infrastructure, hostel, discipline and UGC-related matters.

1.4 Feedback System

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

The College, not being an autonomous college, is not empowered for organizing and enriching the curriculum. However, the J.K.College, Purulia ensures high academic standard through commitment of teachers, for successful implementation of the curriculum. Moreover, most of our teachers hold important position under the university and their valuable counseling helps students to grasp the basics of the curriculum framed by the university. The teachers encourage the students to understand the rationale of the curriculum and to face the challenges more effectively. Teachers help students to approach the syllabus from practical realities, develop the habit of attending library regularly, update them through exposure to the web, and they encourage them to best adapt themselves to the given realities and make themselves ready to face the challenges of employment market. This integrated effort ensures the most effective implementation of the curriculum.

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

Yes, feedback is taken from each honours students regarding the curriculum coverage, quality of teaching, infrastructural facilities etc. The overall impression in these regard is quite satisfactory. However, a major criticism appears in certain cases, which can directly be related to the temporal administrative lacuna, such as paucity of teachers in few departments due to lien, required infrastructural enrichment for syllabus completion is time taking due to administrative procedures.

The curriculum feedback is communicated to the parent University SKBU in the formal respective UGBOS meeting by the teachers. The necessary modifications are incorporated by maintaining the official procedures.

1.4.3 How many new programmes/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes?)

Three Honours subjects, Hindi, Geography and Education are introduced and two combinations Urdu and Music are introduced. The introduction of these subjects are directly related to the demand of the local society, such as, the place Purulia, being closet to the Jharkhand border, having large hindi speaking people and presence of large Muslim population in the area. Education and Geography was introduced, because being premier subjects in humanities stream.



C. Criteria-Wise Inputs

CRITERION II:

TEACHING-LEARNING AND EVALUATION



2.1 Student Enrolment and Profile

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

A public notice is displayed to the College website as well as in the college notice board soon after the publication of the result of the H. S. examinations of West Bengal Council, displaying the admission rules, eligibility criteria, intake capacity, reservation policy according to government rules, dates of submission of application forms and other relevant information about the admission process. Quite often admission related information is available from print media also.

The admission process is totally computerized and it is done through counselling. **J. K. College happens to be the first college under the University of Burdwan to introduce counselling admission process in 1998.**

Admission is done strictly on the basis of merit. There is no management quota.

The admission committee of the college comprising the Principal, Teachers' Council Secretary and the heads of the departments plays an important role in framing out the admission criteria based on the guidelines of Sidho-Kanho-Birsha University (S. K. B. U) and recommendations of the departments of the college. The student intake capacity for each course and the norms for preparing the merit lists are displayed in the college website, college Prospectus and in the college notice board.

Application forms for admission can be downloaded or it can be collected from the college office, and the same can only be submitted

physically to the college office. The merit serial list of all Applicants is also published in the College website as well as in the college notice board along with their ranks.

After the first phase admission, if there is any vacancy, the next phase of admission is done from the waiting list. The candidates eligible for the next phase of admission are also duly notified. The aforementioned system of admission ensures total transparency.

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

The college runs UG Honours and General (B.A., B.Com. and B.Sc.) and PG (M.Sc. in Mathematics) courses only. Students of UG are selected strictly on the basis of merit i.e. marks obtained in the last qualifying examination, and the selection is done by the college. Students of PG are selected strictly on the basis of merit i.e. marks obtained in the last qualifying examination and the selection is done by the University.

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

- Minimum and Maximum Percentage of Marks for Admission at entry level in various Programmes offered by the College

Admission Year- 2013

Sl No.	Subject in B.A./B.Sc./B.Com.	General category		SC/ST category	
		Max (%)	Min (%)	Max (%)	Min (%)
1	Accountancy Honours	83.4	59.6	69.2	69.2
2	Bengali Honours	80.2	71.8	78.4	64.4
3	Botany Honours	72.8	65.2	63.6	61.4
4	Chemistry Honours	86.2	75.6	78.8	58.0
5	Computer Sc. Honours	76.2	60.8	Nil	Nil
6	Economics Honours	73.8	52.8	67.0	46.6
7	Education Honours	82.4	66.0	72.8	57.0
8	English Honours	89.8	74.6	80.8	66.8
9	Geography Honours	81.8	64.0	79.0	65.2
10	Geology Honours	86.2	73.2	73.8	73.8
11	Hindi Honours	73.6	45.2	Nil	Nil
12	History Honours	75.8	62.0	68.4	50.0
13	Mathematics Honours	90.6	77.6	83.2	66.4
14	Microbiology Honours	79.2	60.4	67.0	47.4
15	Philosophy Honours	70.4	52.4	65.6	45.2
16	Physics Honours	93.8	74.4	68.6	67.2
17	Political Sc. Honours	81.2	51.6	69.4	45.2
18	Sanskrit Honours	73.6	54.8	60.0	45.2
19	Zoology Honours	81.6	73.6	73.0	68.2
20	B.A. General	77.0	40.0	61.8	32.0
21	B.Sc. General	82.2	54.6	69.2	46.0
22	B.Com. General	79.4	35.0	43.4	31.0

2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If 'yes' what is the outcome of such an effort and how has it contributed to the improvement of the process?

Yes.

Every year at the beginning of the admission process each department submits the criteria for admission to the admission committee. The criteria for admission are based on the marks obtained in the last qualifying examination. The heads of the departments, in consultation with the other members of the departments, review the existing criteria and depending upon the progress of the students modifies the formula, if necessary. The members of the committee discuss the admission process of the previous year and modify the system to make it error free as far as possible. In this way the admission process is reviewed annually and the overall admission process is run smoothly every year.

2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion

- **SC/ST**
- **OBC**
- **Women**
- **Differently abled**
- **Economically weaker sections**
- **Minority community**
- **Any other**

The college admits SC /ST candidates with relaxed norms as per

government rules. The college does not provide any privilege to the girl students as there is a girls' college in this town. Students having 50% (approx.) disability as per the medical certificate given by District Medical Board of Government Health Department are admitted, subject to fulfillment of minimum marks and as per the norms specified by the Government.

There is no relaxation of marks in case of students coming from economically weaker section. However, certain concessions in fees in the form of granting full free studentship or half-free studentship are awarded to meritorious students, who may be in indigent circumstances. There are some scholarships like merit-cum-means scholarships, minority scholarships for SC/ST, Minority students and other financially weaker students. The college always encourages the sports personnel in the categories of State-level, National-level or University-level to study in this institution.

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.

Number of applicants, Number of students admitted and demand ratio in various courses in the last four years

The admission procedure in our college follows the method of stream-wise admission. So the applications are invited with basic personal and academic informations about the candidate seeking admission. They are admitted as per their rank in merit-serial list and according to their choice of Honours subject and pass-course combinations. No provision is there in our admission system for a candidate to apply for a particular course. Therefore, the ratio of demand in regards to various courses does not arise.

Courses		Year	Number of Students		Intake Capacity	Demand Ratio
			Applicant	Admitted as registered students		
B.A. Honours in	Bengali	2010	Common Merit List based on counselling system of admission	60	60	
		2011		66	66	
		2012		66	73	
		2013		70	73	
	Economics	2010		23	30	
		2011		24	33	
		2012		33	36	
		2013		25	36	
	English	2010		60	60	
		2011		66	66	
		2012		66	73	
		2013		73	73	
	Geography	2010		22	25	
		2011		28	28	
		2012		28	31	
		2013		31	31	
	Hindi	2010		21	25	
		2011		15	28	
		2012		20	31	
		2013		20	31	
	History	2010		56	60	
		2011		65	66	
		2012		66	73	
		2013		71	73	
	Philosophy	2010		41	45	
		2011		50	50	
		2012		48	55	
		2013		55	55	
	Pol. Science	2010		44	50	
		2011		43	55	
		2012		51	61	
		2013		51	61	
Sanskrit	2010	49	50			
	2011	55	55			
	2012	55	61			
	2013	52	61			

Courses		Year	Number of Students		Intake Capacity	Demand Ratio
			Applicant	Admitted as registered students		
B.Sc. Honours in	Botany	2010	Common Merit List based on counselling system of admission	16	18	
		2011		20	20	
		2012		22	22	
		2013		21	22	
	Chemistry	2010		16	22	
		2011		19	22	
		2012		19	26	
		2013		18	26	
	Computer Sc.	2010		21	25	
		2011		27	28	
		2012		28	31	
		2013		14	31	
	Geology	2010		16	22	
		2011		20	24	
		2012		23	26	
		2013		16	26	
	Mathematics	2010		39	45	
		2011		49	50	
		2012		50	55	
		2013		47	55	
	Micro-Biology	2010		9	30	
		2011		15	33	
		2012		26	36	
		2013		30	36	
	Physics	2010		22	22	
		2011		22	24	
		2012		19	26	
		2013		12	26	
	Zoology	2010		18	18	
		2011		20	20	
		2012		20	22	
		2013		23	22	
B.Com. Honours in	Accountancy	2010	70	70		
		2011	77	77		
		2012	77	85		
		2013	85	85		
M.Sc. in	Mathematics	2010	35	35		
		2011	35	35		
		2012	35	35		
		2013	35	35		

2.2 Catering to Diverse Needs of Students

2.2.1 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 differently-abled students. These students are provided all sorts of help as and when it becomes necessary. However, more steps need to be taken regarding this matter. The counselling Cell of the College helps such students in many ways.

2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.

Yes. There is no provision for direct admission to any department. The index number for preparing the merit list for counselling and admission for all subjects is based not only on the relevant subject but also on other related subject(s), so that merit of a student is judged by giving importance to other subjects also. However the minimum eligibility criteria for each subject are strictly maintained at the time of counseling.

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

Slow and advanced learners are identified on the basis of classroom participation, class tests, results of mid-term examination and test exam. The teachers of different departments adopt strategies like academic counseling, remedial classes, special classes, tutorials for the slow learners so that they can cope with other students. After the results of terminal examinations conducted

by the College, parent-teacher meetings are organized by the departments through which parents are intimated about the academic progress of their wards.

2.2.4 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:

(i) The institution has two students' hostels of which, one is to accommodate general category students from rural area and the other is for SC & ST students. A large number of tribal students, stay in that hostel.

(ii) The college admits SC /ST candidates with relaxed norms as per government rules.

(iii) Certain concessions in fees in the form of granting full free studentship and/or half-free studentship are awarded to meritorious students, who may be in indigent circumstances. There are some UGC scholarships for SC/ST students.

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

(i) Environmental Studies is included as a compulsory subject carrying 100 marks in University B.A. / B.Sc./B.Com syllabus. Students are required to prepare a project on any environment related topic under the guidance of the teachers.

(ii) Besides this, students and teachers actively participate in the various activities performed by the NSS unit of the college like cleaning of the college campus, the hostels, bus stand, main market and neighboring adopted villages, especially nearby slums for the maintenance of hygiene, awareness

programme against malaria etc. and Blood Donation camp regularly. There is a law cell to help the students and the staff about law related problems.

2.2.5 How does the institution identify and respond to special educational/learning 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 and pursue higher studies and are motivated to participate actively in seminars in the college and in other academic institutions. The College believes in the maxim that students deserve the best possible exposure to knowledge. With this end in view experts/scholars of eminence are invited through the Extension Lecture programmes.

2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc.)?

All relevant informations of an applicant are collected through the admission form at the time of submission of forms. These data of the admitted students are preserved in the principal's office. Besides this, at the time of admission to the college other important information of the students is preserved in the principal's 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. However, more steps are needed to be done in this matter, as academic progress of all students are evaluated, but that study for categorical evaluation of the students has not yet been done thoroughly.

2.3 Teaching-Learning Process

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

- At the beginning of each academic session the college prepares the academic calendar based on the S. K. B. University calendar to which the College is affiliated. This calendar is distributed to the students at the time of admission every year. Since the college is affiliated to S. K. B. University the syllabus is primarily framed by the university. Many of the teachers contribute in syllabus revision of the University being members of relevant Boards of Study. Teachers act as the experts in the syllabus revision process and participate in the workshops conducted by the University for Syllabus Revision. Depending on the syllabus stipulated by the university and college academic calendar, each department frames the teaching plan, distributing the classes per paper / topic for every teacher at the beginning of the academic session. Some teachers individually maintain a lesson plan to complete the syllabus within a reasonable time. Some departments distribute study materials to the students. Libraries are effectively used as ready reference of study materials. Intra-departmental meetings are held from time to time to review the progress of study in the department in order to complete the syllabus, and for proper understanding of the subject by the students.
- Organization of evaluation schedule:
- The College holds three centralized examinations each year, viz., the two terminal E examinations and the final test. These examinations are held for first-year, second-year and third-year students. Results of these examinations are published. Answer scripts are shown to the students and the scheme of evaluation is explained. Model answers are discussed for the benefit of the students. Class tests and tutorial classes are held regularly by the

departments in order to impart more knowledge and skills. Besides these tests, students' presentation in seminars, projects in the relevant subjects etc. also help in monitoring students' performance before the university examinations.

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

Functions carried out by the IQAC to improve the teaching-learning process with administrative, academic extension activities, research and Knowledge resource extension.

- The College has been publishing multidisciplinary international journal '*JK Times*' for the last eight years with contribution from the college teachers and other academicians.
- The Department of Education has also been publishing international Journal in Education '*EDUQUEST*' for the two years with contribution from the college teachers and other academicians.
- *The JK College Magazine 'Palash'* is published annually.
- Departmental seminars are arranged regularly where external resource persons also participate.
- Several research papers of the teachers have been published in different national and international journals.
- Several Minor Research Projects have been sanctioned by UGC, and are carried out successfully.
- One major DST projects in Geology was completed operational in 2013.
- Computerization of Library facilities has been completed. Internet facility is provided to all the departments and in the Library for the students.
- There are broadband connections in the College. The College has a campus-wide WI-FI network.
- Enhancement of on-campus security
- CCTV cameras have been installed at some vantage points in the campus for centralized surveillance.

- The College Office is fully computerized
- New schemes are put forward by the departments and administrative committees to the Principal and the IQAC core committee. These are then sent to full board of the IQAC which studies, refines and approves them and then obtains the approval of the Governing Body for the same. The plans are then left to the departments and committees to implement. The core committee monitors the implementation and reports back to the full IQAC board.

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

- The teachers of science departments arrange for student-centric learning strategies by focussing on application-based experiments.
- Teachers of other departments along with lecture method use group discussions; film shows on relevant topics, students' seminar etc. in order to motivate them beyond the scope of theoretical knowledge only.
- Although the traditional chalk and talk lecture method is predominantly used, different other methods are adopted to make teaching an exciting and interactive exercise.
- The various other methods used by the departments are the following:
 - Students' seminars
 - Invited lectures by external speakers
 - Use of audio-visual aids
 - Interactive sessions
 - Group discussions among the students
 - Film shows
 - Case studies and projects

- Excursions
- Use of maps
- Use of overhead projector
- Power-point presentation
- Field trips

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

- The college has a vibrant culture and scientific temperament among the students through a number of activities which include:
- Presenting creative models/experiments for scientific exhibitions in the college annually.
- Laboratory visits to distinguished academic institutions.
- Annual publication of the college magazine named Palash.
- Annual publication of the college wall- magazine.
- Publication of Departmental Wall -Magazine at least once every year.
- Each Hostel publishes its own wall- magazine at least once every year.
- Students of each Hostel organize debates and discussions on various issues.
- Youth Parliament [Students of our college regularly participate in the Youth Parliament organized by the West Bengal Government.
- Visits to academic institutions and museums.
- Students are encouraged to participate actively in the College NSS unit to inculcate a sense of civic responsibility and community orientation.

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

Teachers effectively make use of equipment like audio-visual aids and overhead projectors etc. to make learning a satisfying experience for the students. The Seminar Room is used by the departments for teaching with power-point presentation. Internet resources are used by the faculty for effective teaching. Some of the science departments for example, Physics and Chemistry use virtual laboratories. Internet resources are used by the faculty for effective teaching.

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

The students and faculty are exposed to advanced level of knowledge and Skills through the following activities:

- Students are encouraged, motivated and guided by the teachers adequately so as to participate successfully in various National and State level research-oriented promotional programmes.
- Teachers attend the UGC sponsored Orientation Programmes and Refresher Courses organized by the Academic Staff Colleges of different universities.
- They attend seminars / conferences / workshops organized by our college and other academic institutions.
- They are engaged in research work going through books and journals in the general and departmental libraries, working with equipment and

software purchased by the college utilizing UGC-CPE, UGC-BSR and other grants.

- The College provides internet facilities to the teachers and students during the College hours, free of cost. Students and teachers have the opportunity to acquire knowledge through internet surfing.
- The College deputed teachers to attend various seminars / workshops /conferences etc. organized by the academic institutions of other states of the country so that they get acquainted with the best practices of those institutions.
- Utilizing the research support available from different organizations like the UGC (minor and major research projects) and DST-India.
- The College is a subscriber of INFLIBNET. Teachers can utilize this resource also.

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

Academic and personal counselling of the students is done by the teachers of the departments, if necessary. In the practical classes of the science departments there is scope of mentoring through intimate interaction of the students with the teachers at the personal level. Sometimes the Principal and other senior teachers also indirectly mentor the students and provide mental support and guidance to them.

2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

As mentioned under 2.3.3 above, various methods are adopted by the teachers to make learning effective as well as interesting. The college authority always encourages teachers to practice innovative method provided the fund permits the same. Whenever any new grant is available the authority asks for proposals from the departments for utilization of the funds. The departments are given full liberty to choose the equipments / softwares / materials to be purchased.

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

The college has a well-equipped fully computerized library having more than 1,00,000 books including text books, reference books, advanced books, journals and periodicals on various subjects, which remains open from 8 am to 5 pm on every working day. There are many old and rare books and journals also. Teachers and students visit the library regularly. There are other support services available in the library, for example,

- Computer facility is available in the library.
- Both teachers and students have access to internet service within the college hour free of any cost.
- There is broad band connection in the library.
- Reprographic facility is available for the students and staff on payment of charge.
- Online access to Journals is provided by the library through INFLIBNET. The Library catalogue is computerized.
- Free Internet facility is provided in the Library during College hours.

In these ways the library contributes a lot in the teaching-learning process of the college. Besides these the question papers of college and university examinations of previous years are preserved and are available in

the library for helping the students in preparation for examinations. Books are used by the teachers not only for classroom teaching, but for advanced level of learning.

2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If ‘yes’, elaborate on the challenges encountered and the institutional approaches to overcome these.

At present the University, to which the college is affiliated, follows 1+1+1 system in B.A./B.Sc./B.Com. Courses. Semester system has been introduced in the PG courses in Mathematics also. Naturally, teachers have the responsibility to complete the syllabi within the stipulated time. Teachers therefore plan and organize classes according to the requirement. Some teachers maintain lesson plans in order to finish the syllabi within reasonable time. Departments arrange for special classes as and when necessary to overcome the challenges in completing the curriculum within the time frame of the academic calendar.

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

There is a well-established mechanism by which the institution continuously monitors and evaluates the quality of teaching:

- Classroom attendance of the students is closely monitored.
- Regular interaction between students and monastic members.
- Continuous Assessment holding class tests, terminal examinations.
- Students feedback.
- Regular Parent-Teacher meetings.
- Participation of students in seminars.

- Principal and the faculty members of the concerned department individually meet the parents of students with unsatisfactory academic performance.

2.4 Teacher Quality

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

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.							
Ph.D.			13	1	7	4	25
M.Phil.			1	0			1
PG			8	1	6	1	16
Temporary teachers							
Ph.D.							
M.Phil.							
PG							
Part-time teachers							
Ph.D.					1	0	1
M.Phil.							
PG					8	5	13

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

The college has appointed 03 fulltime faculties (Contractual Whole Time Teachers, CWTT) to teach in the Post-Graduate departments of Mathematics. These teachers are paid their salaries by the College. Besides these, the college appoints guest faculties in different departments for specific periods of time as and when the situation demands. Such teachers are paid from college fund. The college has also appointed 15 part time to teach different departments. These teachers are paid their salaries by the State Government.

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

a) Nomination to staff development programmes

Academic Staff Development Programmes	Number of faculty Nominated
Refresher courses	29
HRD programmes	
Orientation programmes	12
Staff training conducted by the university	
Staff training conducted by other institutions	
Summer / winter schools, workshops, etc.	2

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 – Chalk & Board, LCD Projection etc.
- Handling new curriculum – Interactive discussion within department
- Content/knowledge management – Eventually distributed amongst the faculty members; they operate as a team.
- Selection, development and use of enrichment materials – online and offline by purchasing new books.
- Assessment – monitoring of University result and success rate in all India post-graduate entrance examination
- Cross cutting issues
- Audio Visual Aids/multimedia – often used in lectures.
- OER's
- Teaching learning material development, selection and use – information obtained from website and also from new published books and journals are regularly incorporated in teaching materials.

c) Percentage of faculty

- invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies is approximately 2%
- participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies is approximately 10%
- presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies is approximately 15%

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

The college tries its level-best to encourage all those activities required to academically ‘recharge’ teachers. Some of the measures taken in this direction are as follows:

- Providing leave under FIP for doctoral work.
- Providing study leave (for completing specific research work)
- The college also allows teachers to attend Orientation and Refresher Courses as per UGC norms and schedules.
- The college brings to the notice of teachers each and every research grant, particularly those offered by the UGC. It plays a proactive role in preparing and submitting such proposals.
- The college, as a matter of policy, tries to avail of all opportunities for organizing State/National/International Seminars, Conferences and Workshops. This alacrity of the college in this regard is reflected in the number of successful seminars that has been organized, particularly those sponsored by the UGC.
- The college is positively responsive to teachers’ proposals to pursue higher studies/research work. Such proposals are placed before the Governing Body by the Principal after consultations with the Department concerned. In the recent past all such research proposals have been sanctioned.
- The college encourages teachers to attend National and International level seminars. The college not only allows the necessary leave to the teachers for attending these seminars but also, at times, offers monetary support for the same under the UGC-CPE scheme.

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

None. There is no provision for institutional encouragement.

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

The College has introduced evaluation of the teachers by the students, on a regular basis and submitted report to the Principal. The students' feedback is carefully analyzed and the strengths and weaknesses in their teaching method are analysed. Evaluation of teachers by the external peers is done at the time of promotion.

2.5 Evaluation Process and Reforms

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

After each examination answer scripts are shown to the students and the scheme of evaluation is explained in detail. The teachers of a department analyse the results of the examinations in departmental meetings. In the parent-teacher meetings also parents are informed about the performance of their wards. In this way the evaluative methods are communicated to the students and other members of the institution.

The method of creating awareness in the stakeholders about the evaluation process is as follows:

Students:

- i) Classroom briefing by teachers.

- ii) Notice display on Notice Boards.
- iii) Briefing to students by the Principal, the Controller of Examinations

Teachers:

- i) Academic Council meeting
- ii) Departmental Heads Meeting
- iii) Departmental faculty meeting
- iv) Teachers' Council Meeting

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

The S. K. B. University of Purulia to which the college is affiliated has introduced new Syllabus of all subjects of B.A./B.Sc./B. Com. examination 1+1+1 system since 2011. The new pattern of questions has been introduced. Accordingly, the College also sets question papers in the College examinations in the same format. Apart from this, the answer scripts for College examinations are evaluated following the general pattern of instructions given for evaluating university examination answer scripts. The students can thus prepare themselves in an effective manner for the university examinations. The University recently introduced the benefit of Post-Publication Scrutiny and Right to Information in the Examination System. Semester system has been introduced in the College in the PG courses in Mathematics (2-Year, 4-Semester). A Project Work has to be completed in the fourth semester.

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

A variety of measures are adopted and implemented to ensure rigor of the internal assessment process which are held on a regular and time-bound basis:

- Class test
- Viva-voce
- Assignments
- Projects
- Presentations

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

Among the formative evaluation approaches adopted by the college we can mention holding of the terminal examinations, tutorials, class tests, interactive sessions, group discussions, students' seminars etc. Among the summative evaluation approaches we can mention holding of final test before the university exams, parent-teacher meetings etc. All these methods of evaluation have a positive impact on the system. Students' academic progress is monitored regularly through the formative methods. Depending upon the evaluation slow and advanced learners are identified by the departments. Remedial classes are often arranged for the students who could not perform satisfactorily. Advanced learners are encouraged to be engaged in higher studies and in more challenging jobs. Summative methods are helpful to know the overall performance of the students and thus help students to evaluate themselves for effective preparation for the university examinations.

2.5.5 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.

The College holds two terminal examinations and the Final Test each year. These examinations are taken for first-year, second-year and third-year students. Results of these examinations are published centrally. The evaluated answer scripts are shown to each of the students by the departmental teachers, pointing out the mistakes and shortcomings of their answers. The teachers also suggest the points to be covered to address the questions. Some teachers provide the model answers in written format with relevant comments. Class tests and tutorial classes are held regularly by the departments in order to assess students' knowledge and skills. Besides these tests, students' presentation in seminars, group discussions, projects in the relevant subjects etc. also help in monitoring students' performance before the university examinations. Each department holds parent-teacher meeting. In the meetings parents are intimated about the results of the college examination, class attendance and other information relating to academic performance of their wards.

• University results for the last four years

Courses		Year of Examination	Number of Students		Success rate in Hons. course (%)	Ranks in Univ. Top 20 List*
			appeared	Secured first class		
B.A. Honours in	Bengali	2010	44	1	84.09	
		2011	48	12	95.80	8
		2012	43	3	83.72	20
		2013	45	6	84.44	
	Education	2010	17	1	70.58	9, 13
		2011	22	3	86.3	8, 12, 17
		2012	11	6	90.9	1, 2, 9, 11, 13, 18
		2013	20	5	80	
	Hindi	2010	6	3	83.33	3, 6, 9
		2011	11	0	45.45	
		2012	13	2	38.46	12
		2013	20	1	50	
	English	2010	40	1	77.5	
		2011	36	1	75	
		2012	21	1	76.19	
		2013	33	2	78.78	
	Geography	2010	18	0	44.44	
		2011	19	0	57.84	
		2012	8	0	62.5	
		2013	15	1	73.33	
	History	2010	30	0	80	
		2011	30	3	73.33	10
		2012	22	0	81.81	
		2013	22	0	81.81	
	Pol. Sc.	2010	20	1	85	
		2011	17	1	76.47	2, 15
		2012	17	0	82.35	
		2013	15	1	60	
	Philosophy	2010	24	1	25	10
		2011	12	2	75	4
		2012	11	0	36.36	
		2013	9	0	55.55	
	Sanskrit	2010	29	5	62.06	
		2011	25	0	76	
		2012	28	1	82.14	
		2013	6	0	33.33	
Economics	2010	00				
	2011	03	1	33.33		
	2012	07	2	57.14		
	2013	11	2	54.54		

Courses		Year of Examination	Number of Students		Success rate in Hons. course (%)	Ranks in Univ. Top 20 List*
			appeared	Secured first class		
B.Sc. Honours in	Geology	2010	12	10	83.33	3, 6, 11, 13, 16, 17, 18, 19, 20
		2011	14	6	85.71	6, 9, 14, 19
		2012	11	7	81.8	2, 3, 5, 8, 12, 18
		2013	15	7	53.33	
	Botany	2010	00			
		2011	2		100	
		2012	6	2	83.33	
		2013	10	2	70	
	Mathematics	2010	18	9	77.77	6, 13
		2011	19	11	78.94	5, 6, 7
		2012	32	18	90.6	3, 10, 11, 14, 15, 17
		2013	28	16	71.42	
	Computer Sc.	2010	17	7	47	1, 2, 4, 8, 9
		2011	12	10	83.33	2, 3, 4, 7, 15, 17
		2012	16	12	87.5	
		2013	22	6	36.36	
	Chemistry	2010	10	3	30	
		2011	10	1	30	
		2012	5	1	40	
		2013	12	3	50	
	Physics	2010	11	2	27.27	
		2011	17	6	64.70	
		2012	22	3	50	
		2013	12	3	75	
	Microbiology	2010	2		00	
		2011	4	0	25	
		2012	9	4	77.77	
		2013	6	0	33.33	
	Zoology	2010	9	1	55.55	
		2011	1	0	00	
		2012	04	1	50	
		2013	7	0	14.28	

Courses		Year of Examination	Number of Students		Success rate in Hons. course (%)	Ranks in Univ. Top 20 List*
			appeared	Secured first class		
B.Com. Honours in	Accountancy	2010	50	7	70	10
		2011	51	13	82.35	6, 13
		2012	60	15	83.33	9, 10
		2013	64	10	68.75	
M.Sc. in	Mathematics	2010	26	19	100	2, 5, 6, 8, 10
		2011	17	16	100	1, 7, 8
		2012	22	19	100	5, 6
		2013	34	29	88.23	
B.Com.	General	2010	49	-	44.89	
		2011	22	-	45.45	
		2012	34	-	55.88	
		2013	38	-	50.32	
B.A.	General	2010	120	-	26.66	
		2011	132	-	34.23	
		2012	148	-	39.19	
		2013	101	-	40.59	

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

As the institution is an affiliated college there is little scope for these. However in order to ensure transparency answer scripts of all examinations organized by the college / departments are shown to the students. Although formally the college cannot assign any weightage for behavioral aspects, independent learning etc. students are encouraged to participate in various extra-curricular activities within and outside the college for their overall development.

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

Yes. The College holds two terminal examinations and the Final Test for each year. These examinations are taken for first-year, second-year and third-year students. Results of these examinations are published centrally. Answer scripts are shown to the students and the scheme of evaluation is explained. Model answers are discussed for the benefit of the students. Class tests and tutorial classes are held regularly by the departments in order to assess students’ knowledge and skills.

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

Usually there is no such incidence. However, teachers clarify any point raised by any student regarding evaluation. The students can inform the authorities about their grievances in writing immediately after the examinations are over. The authorities take note of these grievances, if genuine, and take necessary steps.

2.6 Student performance and Learning Outcomes

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

Yes. The learning outcomes are stated in the college prospectus and college website. It is also reflected in the college logo. All the stakeholders are made aware of this through classroom teaching, interaction sessions, parent-teacher meetings and through programmes like the College Day function, freshers welcome function, College Social festival, alumni get-together.

- UG students are prepared and counselled for admissions into PG programmes in other academic institutions.
- PG students are prepared for NET, SET, GATE and WBSSC examinations. Students and teachers are aware of these goals.

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

Our institutional mission and goal is to impart liberal education to produce intellectually developed, morally upright, socially conscious and spiritually oriented young people who will serve society and the nation; finally to equip our students to meet the challenges of a changing world through pragmatic, professionally oriented teaching. The college provides special coaching facilities for the UG student. The college makes use of the UGC scheme for NET/SET and Entry in Service and organizes classes with external faculty for this purpose. The college provides the students with books and special study materials for NET/SET. Apart from optimizing the syllabi and updating the teaching methodology the students are motivated towards achieving the best outcomes of the teaching-learning process. The college closely monitors all these programmes.

2.6.3 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (quality Jobs, entrepreneurship, innovation and research aptitude) of the courses offered?

In the introductory classes of any course teachers make the newcomer students aware of the social and economic relevance of the courses. Teachers focus on how the study of the courses can be economically and socially significant by explaining the job opportunities and scope in further studies and research work in the subjects. During the courses departments organize seminars / invited lectures to discuss the issues relating to impact of studying the subjects on the society. The college also organizes seminars and talks by

experts to emphasize on the prospects of studying different subjects.

2.6.4 How does the institution collect and analyse data on student learning outcomes and use it for planning and overcoming barriers of learning?

As mentioned under 2.2.6 the college preserves all relevant information of students. The academic progresses of the students are analyzed in the head of the departments' meetings and in the departmental meetings. Departments arrange for remedial classes for the students whose progresses are not satisfactory.

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

The departmental output regarding the students' performance is regularly discussed in Teachers' Council meeting. The problems are noted and possible outcomes are suggested in the meeting. The concerned department is implemented the suggestions and reported the feedback to the next council meeting.

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

The logo of the College conveys the goals of the College, which are

- Mutual respect amongst the Teacher-Taught.
- Education for All-round Development.
- Pursuit of Knowledge.

Since the college follows the rules and regulations of the Sidho Kanho Birsha University Purulia to which it is affiliated, it is ensured that the college attempts to attain the goal of the university also.



C. Criteria-Wise Inputs

Criteria III:

Research, Consultancy and Extension



3.1 Promotion of Research

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

No

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

In the recent past a Research Committee has been constituted to monitor and approve the research project. The project report is evaluated by the Committee before sending it to the funding agency.

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

- autonomy to the principal investigator
- timely availability or release of resources
- adequate infrastructure and human resources
- time-off and special leave to teachers
- support in terms of technology and information needs
- facilitate timely auditing and submission of utilization certificate to the funding authorities
- adjustment in teaching schedule

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

The Institution, has its primary motto of undergraduate teaching, has very little scope to developing scientific research. However, a few enthusiastic teachers are involved in developing research aptitude, by preparing report of educational tour, visit to active professional fields such as mines, industries etc.

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

The guidance to the students in research is beyond the scope of the Institution. Still a lot of faculty members are involved in investigating different types of research project individually. A list of such investigated projects in last 5 years is provided in the following Table

Sl. No.	Name of the investigator	Title of the Project	Period	Funding agency	Status	Sanctioned money
1.	Dr. Santanu Chattopadhyay	Chaos and Phase Error Dynamics Study of Digital Phase Locked Loop and Application	20.11.2009 to 21.11.2011	UGC-Minor Research Project	Completed and final reprot submitted	₹ 71,000/-
2.	Dr. Rajib Kar	Geochemistry of Khondalite in the Eastern Ghats belt: a possible tectonic indicator	21.12.2009 to 20.12.2012	DST – Major Research Project	Completed and final reprot submitted	₹ 18,70,000/-
3.	Dr. Atin Kumar Mitra	Development of deformational structures in mobile belts: a numerical and experimental study	13.03.2012 to 12.03.2014	UGC-Minor Research Project	Ongoing	₹ 1,98,500/- sanctioned money received ₹ 1,84,250/-
4.	Tushar Kanti Das	Studies on stabilization of vibrating flexible structure	10.2.09 to 09.02.11	UGC-Minor Research Project	Completed and final reprot submitted	₹ 92,000/-

Sl. No.	Name of the investigator	Title of the Project	Period	Funding agency	Status	Sanctioned money
5.	Dr. Sanjukta Mukhopadhyay	Detection of some specific ions avoiding interference of other ions and water analysis of some areas in Purulia District	24.07-24.09	UGC-Minor Research Project	Completed and final reprot submitted	₹ 90,000/-
6.	Dr. Dilip Bandhopadhyay	The Problems of acquiring standard language for the Learners from dialectal background	15.09.2009 to 14.09.2011	UGC-Minor Research Project	Completed and final reprot submitted	₹ 1,42,000/-
7.	Mahadeb Das	Sabar: life and culture-a survey	11.11.11 to 10.05.2013	UGC-Minor Research Project	Completed and final reprot submitted	₹ 1,43,000/-
8.	Dr. Promod Kr. Prasad	“Nagarjun Ke Kabya Me YugaChetana	02.08.2011	UGC-Minor Research Project	Ongoing	Received ₹ 1,01,500/- from sanctioned ₹ 1,33,000/-
9.	Dr.B. K. Dutta	Coherence effects in quantum systems and simulation of quantum optical effects in macroscopic domain	13.03.2012	UGC-Minor Research Project	Ongoing	₹ 1,75,000/-
10.	Dr. Sudip K. Mukhopadhyay		19.04.2006–18.04.2008	UGC-Minor Research Project	Completed and final reprot submitted	₹ 1,00,000/-
11.	Dr. G. C. Gorain	Mathematical Stabilizatin of a Vibrating Elastic Structure	04.05.2004–03.05.2006	UGC-Minor Research Project	Completed and final reprot submitted	₹ 70,000/-

Dr. G. C. Gorain of Department of Mathematics guided a Ph.D. scholar National Institute of Technology, Durgapur, West Bengal, India on February 04, 2013.

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

Sl. No.	Date of Seminar	Department	Title	Amount	Funding Agency
1	09.03.2009	Hindi		₹ 5,900/-	College Fund
2	09.09.2009	Physics		₹ 3,844/-	College Fund
3	09.03.2012	NSS		₹ 1,01,500/-	UGC Fund
4	22.12.2012	Mathematics		₹ 19,141/-	College Fund
5	08.12.2011 & 09.12.2011	Economics	Economic Development and Livelihood Options	₹ 1,71,000/-	UGC fund
6	18.11.2011 & 19.11.2011	Chemistry	Recent advances in chemical science	₹ 1,84,275/-	UGC fund
7	03.02.2012 & 04.02.2012	Physics	Development of modern physics and electronics	₹ 1,86,750/-	UGC fund
8	28.09.2011 & 29.09.2011	Bengali	Bangla Pratibadi Natak	₹ 2,00,444/-	UGC fund
9	09.09.2011 & 10.09.2011	History	Human Rights and human development	₹ 1,01,900/-	UGC Fund
10	21.11.2011 & 22.11.2011	NSS	Chowdance	₹ 98,847/-	UGC Fund

IUCCA sponsored workshop on Astronomy was organized along with joint collaboration of Physics Department.

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

N.A.

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

Teachers and scientist from eminent Institutions of India regularly visited the College and interact with the students to imbibe them for future research. A complete list of visitors is given in section 3. 7. 4.

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

Approximately 15% of the full-time teachers are involved in active personal research and utilize sabbatical leave for research activities. The research project investigated by them also brings a lot of useful and costly instruments to the Institution. The instruments are regularly used by other faculty members for their academic development, and thus a research culture is slowly developing in the campus.

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

The Institution regularly publishes an Interdisciplinary ISSN Journal, J. K. Times, specialized subject journals as Eduquest, Malatiputhi. The Journals are subscribed by the libraries of the other Institutions and also by faculties of the nearby Institutions. The faculty members and researchers are given the scope to publish their preliminary ideas in the Journals, in a way, thus creating awareness and both intra / inter transfer the relative finding of research of the Institution.

3.2 Resource Mobilization for Research

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

N.A.

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

No

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

N.A.

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

N.A.

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

The research equipments of various departments are used regularly by the staffs and students of respective department. For optimum use log book is maintained and the time slot for the instruments is booked.

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

No

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

The college, primarily being an undergraduate teaching Institution, in general has limited resource for supporting high quality research in all the subjects. However, the external funded projects in various departments enrich the department to facilitate research. The details of the received project are provided in section 3.1.5.

3.3 Research Facilities

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

- Advanced research equipment such as microscope, high precision weighing machine, Spectrum analyzer, microvoltmeter, digital storage CRO with computer interface etc. at various departments are easily accessible to the students.
- Advance software like Gaussian, Spice etc.
- Facilities of INFLIBNET accessible to the students.
- Internet facilities through Computer Laboratories and use of data-base server are accessible to the students.

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

N.A.

3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities?? If 'yes', what are the instruments/ facilities created during the last four years.

No

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

N.A.

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

INFLIBNET, DATA BASE SERVER

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

N.A.

3.4 Research Publications and Awards

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

The college has obtained no patents. Active fundamental research gives input to basic science and society. Medicinal plants also cultivated in the campus.

Faculty of our College in collaboration with the faculties of Burdwan University was involved in Preparation of District Human Development Report, Purulia (2013) of West Bengal State Planning Cell.

3.4.2 Does the Institute publish or partner in publication of research journal(s)? If 'yes', indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

Inter disciplinary ISSN Journal J. K. Times, Eduquest, Malathiputhi.

3.4.3 Give details of publications by the faculty and students (in last 4 years) :

Department of Physics:

- i) Santanu Chattopadhyay, 2008, "Burst Synchronization Using First-Order Digital Phase Locked Loop", Proceedings of The 2008 International Conference on Advanced Technologies for Communications (ATC'08) and REV'08, Oct. 6-9, Hanoi, Vietnam, PP 341-344 (Available in IEEEXPLORE)
- ii) Santanu Chattopadhyay, 2009, "Range Extension of Second Order Digital Phase Locked Loop", International Conference on Advances

in Computing, Communication and Control (ICAC3'09), Janu. 23-24, PP 227-231, Mumbai, India

iii) Santanu Chattopadhyay, 2009, "Extended Range Second Order Digital Phase Locked Loop", International Journal of Recent Trends in Engineering and Technology (ISSN 2158-5555) , Vol 2, No. 6, November 2009, PP 169- 173

iv) Santanu Chattopadhyay, 2010, "Range Extended Second Order Digital Phase Locked Loop", International Conference on Control, Communication and Power Engineering 2010, CCPE 2010 , July 28, 2010, Chennai, India

*Published in ACEEE International Journal on Communication [IJCom] (ISSN 2158-7558) , Vol. 1, No. 2, PP 1-5

v) Santanu Chattopadhyay, 2010, "Modified Second Order Digital Phase Locked Loop with Large Lock-in Range", International Conference on Advanced Technologies for Communications – ATC 2010, Ho Chi Minh City, Vietnam, 20 -22 Oct. PP 237-240. Available in IEEEEXPLORE

vi) Santanu Chattopadhyay, 2010, "Second Order Quick Response Digital Phase Locked Loop - Revisited", International Conference on Communication, Computers and Devices ICCCD 2010, IIT Kharagpur, India, December 10-12,

vii) Santanu Chattopadhyay, 2011, "Noise performances of Quick Response Second Order Digital Phase Locked Loop", International Journal of Recent Trends in Engineering and Technology (ISSN 2158-5555) , Vol 6, No.-Nov. 2, PP 28- 33

viii) Santanu Chattopadhyay and Rajesh dey, "Simulated Noise performances of Modified digital Phase Locked Loops", 2012, UGC

Sponsored National Seminar on : Mathematical Modelling and Numerical Simulation of Physical Phenomena, A M college, Jhalda, Purulia, March 01-02.

- ix) Chattopadhyay, M., Das, N., Dan, P. K., & Mazumdar, S., 2012, Growing hierarchical self-organizing map computation approach for clustering in cellular manufacturing. Journal of the Chinese Institute of Industrial Engineers, 29(3), 181-192. (IF:0.191)
- x) Chattopadhyay Manojit, Chattopadhyay Surajit, Dan PK, Das N, 2010, SOM Clustering in Cellular Manufacturing, National Conference of Computing and Systems at Burdwan University, Dept of Computer Science, Burdwan held on 29th Jan, 10
- xi) Chattopadhyay Manojit, Dan Pranab K, Das Nityananda, 2009, Multivariate Analysis of Complete Linkage Clustering Method for Cell Formation in Group Technology, JIS Management Vista, Vol III (1), pages 70-78.
- xii) Bibhas Kumar Dutta, 2013, 'Coherent control of narrow structures in absorption, transparency and dispersion by interference induced among Rabi-split resonances', Phys. Lett. A, 377, 1890
- xiii) Indranil Bayal, Bibhas Kumar Dutta, Pradipta Panchadhyayee, Prasanta Kumar Mahapatra, 2013, Modulation of spatial propagation dynamics in a three-core linear directional coupler, Opt. Engineering, 52, 054003
- xiv) Bibhas Kumar Dutta, Pradipta Panchadhyayee, Prasanta Kumar Mahapatra, 2013, Coherent control of localization of a three-level atom by symmetric and asymmetric superpositions of two standing-wave fields, Laser Phys., 23, 045201

- xv) Bibhas Kumar Dutta, Pradipta Panchadhyayee, Prasanta Kumar Mahapatra, 2012, Precise localization of a two-level atom by the superpositions of two standing wave-fields, J. Opt. Soc. Am. B, 29, 3209
- xvi) Pradipta Panchadhyayee, Bibhas Kumar Dutta, Prasanta Kumar Mahapatra, 2012, Decay Interference induced high precision localization in a multilevel atom via controlled spontaneous emission, J. Mod. Opt., 59, 1705
- xvii) Bibhas Kumar Dutta, Pradipta Panchadhyayee, Prasanta Kumar Mahapatra, 2012, Phase coherence and Rabi frequency induced ultranarrow spectral line, Phys. Lett. A, 376, 3439
- xviii) Indranil Bayal, Bibhas Kr Dutta, Pradipta Panchadhyayee, Prasanta Kr Mahapatra, 2012, Phase control of absorption, dispersion and gain of weak signal field in erbium doped optical fiber, J. Opt., 41, 235
- xix) Indranil Bayal, Pradipta Panchadhyayee, Bibhas Kr Dutta, Prasanta Kr Mahapatra, 2012, Optical trapping with modified exponential decay in optical waveguides via dressed continuum, J. Mod. Opt, 59, 226
- xx) Bibhas Kumar Dutta , Prasanta kumar Mahapatra, 2010, Coherent Control of spontaneous emission spectrum in a doubly driven Y-type atom, FIZIKA A, 19, 191
- xxi) Bibhas Kumar Dutta , Prasanta kumar Mahapatra, 2010, Role of cavity induced decay-interference effect on vacuum-Rabi splitted spectrum, J. Mod. Opt, 57, 1331
- xxii) Bibhas Kumar Dutta , Prasanta kumar Mahapatra, 2009, Controlling spontaneous emission in a driven M-type atom by low frequency coherence, Opt. Commun., 282, 3292

- xxiii) Bibhas Kumar Dutta , Prasanta kumar Mahapatra, 2009, Controlling spontaneous emission in a driven M-type atom by low frequency coherence, Opt. Commun., 282, 594
- xxiv) Bibhas Kumar Dutta , Prasanta kumar Mahapatra, 2009, Control of spontaneous emission spectrum in a driven N-type atom by dynamically induced quantum interference, Phys. Scr., 79, 065402
- xxv) Bibhas Kumar Dutta , Prasanta kumar Mahapatra, 2008, Vacuum induced interference effect in probe absorption in a driven Y-type atom, J. Phys. B: At. Mol. Opt. Phys., 41, 055501
- xxvi) Bibhas Kumar Dutta , Prasanta kumar Mahapatra, 2008, Role of incoherent pumping scheme on gain without population inversion in four-level systems, Phys. Scr., 77, 023403
- xxvii) Bibhas Kumar Dutta , Prasanta kumar Mahapatra, 2007, Nonlinear optical effects in a doubly driven four-level atom, Phys. Scr., 75, 345
- xxviii) Bibhas Kumar Dutta , Prasanta kumar Mahapatra, 2006, Electromagnetically induced grating in a three-level Ξ -type system driven by a strong standing wave pump field, J. Phys. B: At. Mol. Opt. Phys., 39, 1145
- xxix) Bibhas Kumar Dutta , Prasanta kumar Mahapatra, 2006, Study of velocity dependent collision effect on Lamb dip and crossover resonances in three-level system, FIZIKA A, 15, 927
- xxx) Dipankar Bhattacharyya, Bibhas K. Dutta, Biswajit Ray, Pradip N. Ghosh, 2004, Line shape simulation and saturated absorption spectroscopic measurement of Rb-D2 transition, Chem. Phys. Lett., 389, 113
- xxxi) Sarkar P., 2006, In Search of a Healthy Life: J.K.Times-A Multidisciplinary International Journal, Volume-II, pages 10 -23

- xxxii) Sarkar P.,2010, The Philosophy of Science and Spirituality: A Brief Introduction ; J.K.Times-A Multidisciplinary International Journal,,Volume-III, pages 60-72
- xxxiii) Sarkar P., 2012, 'Dark Matter',J.K.Times-A Multidisciplinary International Journal,Volume-V,pages 84 -97

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2. Lokesh Chandra Pati. 2013. Consumption of fluoride through drinking water and others: a Real threat to human beings, J.K. Times, 6, 1-8.
3. Bhattacharjee, U.; Panda, A.; Latif, I. A.; Datta, S. N. 2010. Unusually Large Coupling Constants in Diradicals Obtained from Excitation of Mixed Radical Centers: A Theoretical Study on Potential Photomagnets, J. Phys. Chem. A, 114, 6701.
4. Latif, I. A.; Singh, V. P.; Bhattacharjee, U.; Panda, A.; Datta, S. N. 2010. Very Strongly Ferromagnetically Coupled Diradicals from Mixed Radical Centers. II. Nitronyl Nitroxide Coupled to Tetrathiafulvalene via Spacers, J. Phys. Chem. A,114, 6648.
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6. Misra, A.; Panda, A. 2011. On the Variation of Ortho-hydrogen and Para-hydrogen Ratio with Magnetic Field Strength at Low Temperature,J. Low Temp. Phys. 163, 311.

7. Bhattacharya, D.; Panda, A.; Shil, S.; Goswami, T.; Misra, 2012. A theoretical study on photomagnetic fluorescent protein chromophore coupled diradicals and their possible applications. *Phys. Chem. Chem. Phys.*, 14, 6905.
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9. K. Ghosh, T. Sen, R. Fröhlich, 2010. Naphthalene appended 2,5-diketopiperazine towards fluorometric response of dihydrogenphosphate, *J Incl Phenom Macrocycl Chem.*68, 3-4, 447-452.
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11. K. Ghosh, T. Sen, A. Patra, 2010. Binding induced destruction of excimer in anthracene linked benzimidazole diamide: A case toward selective detection of organic sulphonic acids and metal ions, *New J. Chem.* 34, 1387-1393.
12. K. Ghosh, T. Sen, R. Fröhlich. 2010. Hydrogen bonded assemblies of 1, 8-naphthyridine derivatives: Simple to polymeric structures in the solid state, *J Incl Phenom Macrocycl Chem.*68, 1-2, 193-199.
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14. K. Ghosh, T. Sen, R. Frohlich, I. D. Petsalakis and G. Theodorakopoulos, 2010, trans-Pyridyl and Naphthyridyl Cinnamides as Alternatives for Urea in Complexation of Carboxylic Acid and

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2. G. C. Gorain, (2006) “Exponential Energy Decay Estimate for the Solutions of n-Dimensional Kirchhoff type Wave Equation”, Applied Mathematics and Computation, Vol. 177, pp. 235-242, (ISSN : 0096-3003).
3. G. C. Gorain, (2006) “Constructions with Unmarked Ruler and Collapsible Compass”, JK Times, Vol. 2, pp. 38- 42.
4. G. C. Gorain, (2007) “Stabilization of Quasi-Linear Vibrations of an Inhomogeneous Beam”, IEEE Transactions on Automatic Control, Vol. 52 (9), pp. 1690—1695, (ISSN : 0018-9286).
5. G. C. Gorain, (2008) “Nobel Prize Not in Mathematics : An Explanation”, JK Times, Vol. 3, pp. 28- 31.
6. P. K. Nandi and G. C. Gorain, (2009) “Effect of Traffic Pollution on Eye and Nose Irritations of the People at Durgapur City”, Indian Journal of Environmental Protection, Vol. 29 (7), pp. 597—604, (ISSN : 0253-7141).

7. G. C. Gorain, (2009) “Uniform Stabilization of n-Dimensional Vibrating Equation Modeling ‘Standard Linear Model’ of Viscoelasticity”, Applications and Applied Mathematics, Vol. 4 (2), pp. 314—328, (ISSN: 1932-9466).
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3.4.4 Provide details (if any) of

- research awards received by the faculty - Nil
- recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally – Nil
- incentives given to faculty for receiving state, national and international recognitions for research contributions - Nil

3.5 Consultancy

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

Approach for establishing consultancy services with the Industry at very preliminary level has been taken up personally by some faculty members. Work with Jindal Oil has been successfully completed by the faculty members

of the Geology Department. Dr. Atin Kumar Mitra took active part in the programme of 'Geological and Structural Mapping In Block VII-A, REPUBLIC OF GEORGIA, in LESSER CAUCASUS, for JINDAL PETROLIUM in collaboration with JADAVPUR UNIVERSITY.

Dr. Rajib Kar and Mr. Sayantan Datta took part in rock slide analysis for the aforesaid project.

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

Institute always favors consultancy services personally, but at this stage, Institute does not have the infrastructure to take up a consultancy project. But on the other hand the institution have expert faculty member to take part in consultancy project regarding geology as they have experience in industry.

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

Institutes encourages immensely. As for example when the faculty members of Geology department get an opportunity to carry out the consultancy work in Georgia, our college administration immediately conform this by taking necessary resolutions in General Body meeting.

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

With Jindal Oil – Project at Georgia. Revenue earned is Rs. 11500/-

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

The earned money is utilized for the infrastructural development of the Department concerned to promote such further services.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

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

The department of Botany maintains a medicinal plant garden within the college premises under the supervision of Dr. Samir Karmakar, the students of the department play an active role in its maintenance. Dr. Lokesh Pati and Mr. Pankaj Sarkar organize an anti-drug and anti-smoke campaign as the coordinator of the NSS.

The department of Political Science organizes “Mock Parliament” every year and students from various departments took active part in it under the supervision of Mr. Rabilochan Karmakar. It helps a socio-political awareness among the students.

Some students of various department involved free coaching for poor students.

Every year on 24th September NSS wing of our college organize blood donation camp.

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

NSS unit regularly organise the Personality and Leadership Development Training Programme amongst the students through organisation of First Aid Training Programme, organisation of Awareness Programme on Thalassaemia, HIV/AIDS, Blood donation camp etc. Besides the NSS Units also organizes Free Thalassaemia Testing Camp with the help of Thalassaemia Unit, Purulia Sadar Hospital . Moreover, NSS units organise ASER Survey (a national level educational survey) in Purulia district every year.

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

The college solicits stakeholder perception on the overall performance and quality through the following

- a. Internal assessment on a regular basis and letting the guardian to be apprised of.
- b. Parent – Teacher meeting if necessary.
- c. Students feedback

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

The plan and organization for extension activities through NSS and its budgetary details for last 4 years can be provided in the following Table:

Programme			2009-10	2010-11	2011-12	2012-13
NSS Activity (Unit-I,II,III)	For Special Camp	Grant Received	₹ 45,000.00	₹ 1,12,500.00	0	₹ 67,500.00
		Previous Balance	0	0	₹ 67,500.00	0
		Total amount	₹ 45,000.00	₹ 1,12,500.00	₹ 67,500.00	₹ 67,500.00
		Expenditure	₹ 54,510.00*	₹ 45,000.00	₹ 67,500.00	₹ 67,500.00
	For Normal NSS Activity	Grant Received	₹ 40,500.00	₹ 67,500.00	0	₹ 66,000.00
		Previous Balance	₹ 66,296.00	₹ 19,122.00	₹ 20,211.00	₹ 10,396.00
		Total amount	₹ 1,06,796.00	₹ 86,622.00	₹ 70,211.00**	₹ 76,396.00
		Expenditure	₹ 89,880.00	₹ 68,760.00	₹ 63,075.00	₹ 64,764.00
HIV/AIDS Prog (Red Ribbon Club)	Grant Received					₹ 4,900.00
	Expenditure					₹ 4,900.00

* ₹ 9,510.00 has been taken from normal grant.

**₹ 50,000.00 has been taken as loan from the college.

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

NSS Programme Officers discuss about NSS- its aim, motto etc-the role of students in nation building and their immediate scope to serve the society through NSS in the class rooms to provide information/motivate the students to join NSS.

3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?

There are provisions for fee exemption on the basis of merit-cum-

means. Apart from that various awards sponsored by patronisers, are convocated.

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

Students belonging SC, ST, Minority and who are lagging behind are specially taken care of by allotting Remedial classes beyond stipulated classes.

Would be sent off students are catered with career counseling and guidance.

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

- NSS volunteers regularly perform free education programme at the adopted villages and they motivate, also train the children of the villages to learn dance, music. NSS volunteers provide footballs to the childrens to play football.
- NSS volunteers give supports to the villagers having good cultural abilities and arrange cultural programmes frequently to give them a platform to perform.
- The Kishore Chhou Dance Team, a chhou dance team formed by the NSS volunteers perform chhou dance at the villages.
- To encourage the local artists of the villages, cultural programmes are arranged in collaboration with the 'Manbhum Baul Sampraday'.
- Health Awareness Programmes and Health Check up Camps are arranged in the adopted villages.

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

- NSS units run ‘Swami Vivekananda Study Circle’, Value based Education Programme, in collaboration with *The Ramakrishna Mission Vidyapith, Purulia*.
- NSS units run Health Awareness Programme in collaboration with-
 - Liver Foundation, Purulia
 - Deben Mahato (Sadar) Hospital, Purulia
 - Swami Lokeshwarananda Eye Hospital, Para, Purulia
- NSS units run ‘*Personality and Leadership Development Training Programme*’ in the college in collaboration with the *ASEL-Association for Self Empowerment & Leadership, Purulia*.
- NSS units run ‘*First Aid Training Programme*’ every year in collaboration with the ‘*Arambag Health Guide and Red Cross Society*’, *Arambag, Hooghly*.
- NSS units organising a national-level educational survey programme ASER-Annual Status of Education Report in Purulia district since 2008 in collaboration with *PRATHAM*.

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

Our college was selected among the best 5 institutes participated in the ASER Survey in the West Bengal in 2009 and was given the opportunity to send one person at Delhi in the National Survey Report Publication Ceremony by the Hon’ble Education Minister Mr. Kapil Sibbal on January 15,2010.

3.7 Collaboration

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

N.A.

3.7.2 Provide details on the MoUs/collaborative arrangements (if any) with institutions of national importance/other universities/industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

N.A.

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

Income generated from the consultancy work with Jindal in Georgia is utilized for the up gradation of infrastructural facility in college.

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

Department of Geology:

- a. Prof. Anish Roy, Presidency College.
- b. Prof. Nibir Mandal, Jadavpur University.
- c. Prof. Chittaranjan Bhattacharya, Calcutta University.
- d. Prof. Debasish Shome, Jadavpur University.
- e. Dr. Chandan Chakraborty, Indian Sttistical Institute, Kolkata.
- f. Dr. Subrata Karmakar, Jadavpur University.
- g. Dr. Subir Sarkar, Jadavpur University.
- h. Dr. Bapi Goswami, Calcutta University.
- i. Dr. Gopal Chakraborty, JDPI, Higher Education Department.
- j. Dr. Aniket Chakraborty, Durgapur Govt. College, W.B.
- k. Dr. Soumik Mukhopadhyay, Durgapur Govt. College, W.B.
- l. Dr. Pradip Samanta, Durgapur Govt. College, W.B.
- m. Dr. Subhajit Sinha, Durgapur Govt. College, W.B.
- n. Dr. Amit Dasgupta, Ranigunj TDB College, Ranigunj, W.B.

Department of Physics:

- a. Dr. Tapati Mukherjee, V.C., SKBU, 2011
- b. Prof Avijit Mookerjee, Ex-Director SNBNSC, 2011
- c. Dr. Shibaji Raha, Director, Bose Institute, Kolkata; Feb 23-25, 2006
- d. Prof. A.K.Kembhavi, Deputy Director, IUCAA, Pune, Feb 23-25, 2006
- e. Prof B C Sarkar, Dean Science, BU, 2011
- f. Prof S Mukherjee, NBU & Scientific Adviser, IUCAA
- g. Prof S K Ghoshal, NBU, Dec. 2005
- h. Dr. Ranjan Gupta, IUCAA, Pune, Feb 23-25, 2006
- i. Prof. Sayan Kar, IIT Kharagpur, Feb 23-25, 2006, & 2011
- j. Prof Anushree Roy, IIT Kharagpur, 2011
- k. Prof Soumitra Banerjee, IISER, Kolkata
- l. Prof. G.C. Bhar, Ex-prof , BU, 2010
- m. Dr. Pathik Kumbhakar, NIIT, Durgapur, 2010

- n. Dr. C.K.Ghosh, Director, IGNOU,2011, 2012
- o. Dr. J S Roy, KIITS, Bhubaneswar
- p. Dr. Subhasis Chattopadhyay, VECC, Kolkata
- q. Dr. Malay Kanti Dey, VECC, Kolkata
- r. Dr. Tanusshyam Bhattacharjee,VECC, Kolkata

Department of Mathematics

- a. Prof. Rabiul Islam, St. Xaviers College, Kolkata, December 22, 2012.
- b. Prof. Octavio Paulo Vera Villagran, Universidad del Bio-Bio, Concepcion, Chile, January 16, 2013.
- c. Prof. Samarjit Kar, NIT, Durgapur, January 16, 2013

Department of Chemistry

- a. Prof. Sambhu N. Datta, IIT, Bombay
- b. Prof. Kumares Ghosh, Univ. of Kalyani, W.B.
- c. Prof. Debasish Das, Calcutta University, Kolkata
- d. Prof. Adinath Majee, Visva Bharati University, W.B.
- e. Prof. Tapan Kr. Pine, IACS, Kolkata
- f. Prof. Tarasankar Pal, IIT, Kharagpur, W.B.
- g. Prof. Srikanta Patra, IIT, Bhubaneswar, Orissa
- h. Prof. Amitava Sarkar, IACS, Kolkata
- i. Prof. Anirban Misra, NBU, W.B.
- j. Prof. Bidyut Saha, The Univ. of Burdwan, W.B.
- k. Prof. Dipakranjan Mal, IIT, Kharagpur, W.B.

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

- a) Curriculum development/enrichment - NA
- b) Internship/ On-the-job training - NA
- c) Summer placement - Nil
- d) Faculty exchange and professional development – FIP program with UGC, Prof. Sujit Ghosh of Department of Botany is presently studies for higher research in BIT, Ranchi.
- e) Research - Nil
- f) Consultancy – With JU
- g) Extension – with Ramkrishna Mission Purulia.
- h) Publication - Nil
- i) Student Placement - Nil
- j) Twinning programmes - Nil
- k) Introduction of new courses - NA
- l) Student exchange - Nil
- m) Any other
Consultancy work in collaboration with Jadavpur University for Jindal oil project in Georgia

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

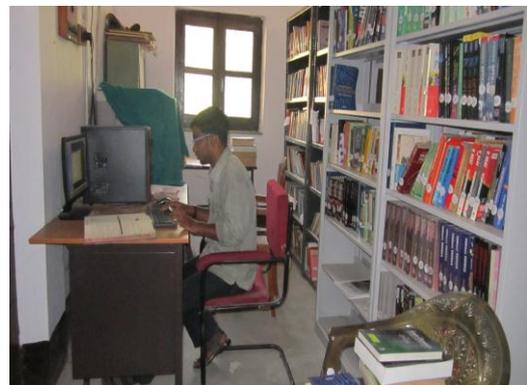
The College, although not having research and consultancy, throughout its history promote active research. Two of its faculty are employed in active research in India and abroad. Prof. Sujit Ghosh is presently doing his doctoral research work in BIT, Ranchi. Dr. Anirban Panda is presently doing his post doctoral research work with Prof. Douglas J. Klein, in Texas A & M University – Galveston, Texas, USA.



C. Criteria-Wise Inputs

CRITERION IV:

INFRASTRUCTURE AND LEARNING RESOURCES



4.1 Physical Facilities

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

Creation and enhancement of infrastructural facilities for improving the teaching-learning process, and extending maximum possible educational amenities to its growing strength of learners is the primary objective of the Institution. Any major infrastructural change is discussed both in the Teachers' Council and the UGC Planning Board, and finally in the Governing Body, after considering the views and opinions of the concerned departments. For this purpose, a master scheme has been set up with the following targets:

- Creation of new space for laboratories and the Central Library
- Organization and upgradation of the existing spaces, especially unused classrooms and/or other buildings for newly needed infrastructure towards both horizontal and vertical expansion
- Renovation, upgradation and Modernization of the existing Laboratory spaces, classrooms and lecture halls with a view to facilitating improved teaching-learning process
- Rearrangement and further modernization of the administrative block for enhanced convenience and better performance
- Generating upgraded and advanced sports facilities by creating modernized field tracks, well-fostered playgrounds, and building up infrastructure for Indoor games and trainings – most of which are on the progress
- Creating ICT enabled classrooms and more digitized Seminar Rooms/Halls

The policy of the College is to provide its students and teachers rich infrastructural facilities which will lead to furtherance of the cause of higher

education as well as making the learners better suited to their professional world. The college, therefore, seeks to expand its infrastructure to cope up with the horizontal and vertical academic growth by mobilizing funds from different agencies like:

- University Grants Commission
- State Govt. of West Bengal
- M. P. Local Area Development Fund
- M.L.A. Fund (BidhayakElakaUnnayanPrakalpa)

4.1.2 Detail the facilities available for

a) Curricular and co-curricular activities

- Classrooms- 17 common classrooms of different sizes for humanities and commerce plus 3 common classrooms of different sizes for science streams; besides there are adequate private classrooms for the Science Departments
- Technology enabled learning spaces – A large centrally air-conditioned 120 seated seminar hall is available equipped with audio-visual system and fixed projection system with internet facility, available for arrangement of highly specialized seminars
- Seminar halls – 4 seminar halls for general seminars.
- Tutorial spaces – No space as such is made for tutorials, however tutorials are regularly held in the general classrooms, in the off time.
- Laboratories – 9 Laboratory departments have their own adequate laboratory spaces equipped with advanced instruments, needed for successful completion of the curriculum.

- Botanical garden – No botanical garden as such is present in the campus, however there present two gardens of medicinal plants and also there are some rare trees in the campus, maintained by Botany Departments
- Animal house – No
- Specialized facilities and equipment for teaching, learning and research –White and Green boards and markers in class rooms, Audio facility at bigger class rooms, Availability of LCD Projector, Internet facility at the Lecture Desk for online projection of study materials

b) Extra –curricular activities

- Sports – Institution organizes annual sports regularly; College also has a sports committee headed by a teacher to monitor the sports related matters.
- Outdoor and indoor games – Football and Cricket team of the college regularly participate in the inter college tournaments and also in the University tournaments. College also has the places for indoor games like carom board, chess etc.
- Gymnasium – College has a mini Gym, used regularly by staffs and students
- Auditorium – An auditorium of 500 seats is under construction.
- NSS – 3 Units
- NCC - 1 unit
- Cultural activities – Intra College cultural competition is regular phenomenon; Inter college competition and participation of the college team in quiz, debate etc. Annual cultural program such as fresher's welcome, cultural festivals are regularly organizes by students union.
- Public speaking – NSS unit
- Communication skills development

- Yoga, health and hygiene – Health unit in the college. Weekly visit by renowned doctors.

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

Master Plan: Enclosed in Annexure - I

Existing facilities:

The institution caters to the growing number of students within limited infrastructure facilities. The college utilizes to the maximum the space, building, time as well as financial and human resources for the furthering of higher education in general and the curricular management in particular. The following are some of the major instances:

- The Central Library
- Utilizing the open space : the Playground
- Time-Management: Shift-wise Break-up
 - *Morning : Commerce & Arts General*
 - *Day : Humanities & Science*
 - *Evening : IGNOU Study Centre*
- The Laboratories : Optimum Utilization
 - *Internal utilisation of Space & Instruments*
 - *Inter-Departmental utilisation of Infrastructure and Faculty Resource*

- The Hostels: Accommodation Management
 - *ChittaranjanMahato Memorial Hostel (for General students)*
 - *ThakkarBappaAdibasi Hostel (for SC / ST students)*
 - *KendriyaAdibasiChhatrabas*

Some of the infrastructural growth, expansion and augmentation in the last 4 years in maximum possible compatibility with a sizeable growth in roll strength, as much as 2500 in 2009-10 to 3600 in 2013-14.

The new Central Library has been completed and brought to use in 2012-13. The project that had started as early as 2007 has now been translated into implementation for the benefit of the students and the staff.

The Playground is now under thorough augmentation : the process of making an upgraded 8-lane track is on, and is expected to be completed before the commencement of 2014-15 session.

The *KendriyaAdibasiChhatrabas* had been completed in 2007, and opened for the boarders in 2009. Presently, it accommodates nearly 70 students.

The ICT enabled Lecture-cum-Seminar hall / e-classroom was completed 2011-12 and began to be utilized since then. It accommodates nearly 120people.

The Arts block was in the process of vertical expansion since 2008, and was finally completed in 2011-12, and could be used for teaching-learning since 2012-13, housing two big classrooms of 150 student capacity each, and one of 60 student capacity, which would be used for the purpose of examinations too. This expanded building houses the Lecture-cum-Seminar hall / e-classroom also.

The rooms/spaces left vacant out of the shifting of the Central Library to the new building has been turned into the Dept. of Geography and a Computer Centre from the current session.

Future Extension:

The college proposes its extension through development of Science Block, from largely external sources. The plan can be tabulated as follows:

Sl.No.	Plan Submitted	Ref.No.	Estimated cost	Funding Agency
01.	Construction of Canteen Hall(Ground Floor)	JKC/72 Dt.13.02.2013	₹ 24,15,813/-	PaschimanchalUnnayanParishad, Govt. of West Bengal.
02.	Construction of Boys Common & Gymnasium.)	JKC/73 Dt.13.02.2013	₹ 30,22,834/-	-Do-
03.	Construction of Science Block	JKC/74 Dt.13.02.2013	₹ 30,22,834/-	-Do-
04.	Extension of Class Room & Laboratory Building	JKC/184 dt.28.10.2013	₹ 87,86,612/-	Higher Education Department, Govt. of West Bengal
05.	Construction of Library Information Centre & Reading Room	JKC/191A Dt.08.11.2013	₹ 24,52,000/-	BidhayakElakaUnnayanPrakalpa, Govt .of West Bengal.
Plan yet to be submitted to the different funding Agency				
01.	Extension of Canteen Building			
02.	Extension of Administrative Building.			
03.	Bachelor Staff Mess and Extension of Guest Room.			
04.	Constructions of Vehicle stand for the Staff.			

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

The infrastructural facilities of the college is largely not meet up the students with physical disabilities.

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

- Hostel Facility – Accommodation available in 3 hostels for boys and 1 girls hostel in under construction
- Recreational facilities, gymnasium, yoga center – Common rooms for boys and girls both in the college and in the hostels.
- Computer facility including access to internet in hostel – Not now, but planned the same in near future.
- Facilities for medical emergencies – Not as such.
- Library facility in the hostels – Mini library operated by the students in the hostel
- Internet and Wi-Fi facility – Available in the campus, can be utilized by the staffs and students.
- Recreational facility-common room with audio-visual equipments – Indoor games at the common rooms for teachers and staffs.
- Available residential facility for the staff – Not as such.
- Constant supply of safe drinking water – Available at the campus and in the hostel
- Security – 24 hours gateman, night guards.

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

In the campus a health unit is present. Eminent doctors regularly visit the unit. Students and staffs can access the unit without any fees.

4.1.7 Give details of the Common Facilities available on the campus –spaces for special units like IQAC, Grievance Redressal unit, Women’s Cell, Counseling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

Special Units	Space available	Functioning
IQAC	No	Regularly, report has been send on regular basis
Grievance Redressal Unit	No	Yes
Women’s Cell	No	Yes
Counseling and career guidance cell	Yes	Counseling regularly held
Placement Unit	No	No
Health Centre	Yes	Yes
Canteen	Yes	Separate for the staffs and students
Recreational space for staffs and students	Yes	Yes
Safe drinking water facility	Yes	Yes
Auditorium	Yes	Under construction

4.2 Library as a Learning Resource

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

Our college gives top priority to the library. In a remote place like Purulia with very little option for updated information, the library plays a very

important role. A committee has been set up to regularly monitor the function of the library. The library sub-committee formed by the Government Body acts.

The Library Sub Committee (LSC) is composed of:

- The Principal, Chairman of library sub-committee.
- Prof. J. C. Sau, Teacher-in-Charge, Library.
- The Librarian, Convener of library sub-committee.
- All the Senior-most teachers of the departments.
- Head Clerk.
- Accountant.
- Non-Teaching Representatives.
- G.S., Students' Union

The LSC meets regularly, deliberates on the budget and purchasing of books, and discusses thoroughly the proposals sent in by the Dept. and the students and recommends necessary steps for maintenance and up-dating. The Librarian is responsible for day activities. The committee oversees preparation of library budget, administration, selection and purchase of books and their storing preservation, computerization etc. The LSC advised that a full automation of the library be carried out and it was duly implemented.

4.2.2 Provide details of the following:

Total area of the library (in sq. mts):- 600 sq.mts.

Total seating capacity 60 students and 20 staff.

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

Working days :-

7 a.m. to 7 p.m. on weekdays.

7 a.m. to 2 p.m. on Saturday.

On holidays: - closed

Before examination days - as on normal days

During examination days - as on normal days.

During summer recess - the library is open on the working days.

During the Durga puja and Christmas vacation - the library remains closed.

As open space for the student in front of the circulation counter with one Catalogue cabinets for Author/Title & Subjects. The library has one massive Room which is divided into two sections, one is reserved for Students as a reading room and another for the teachers.

* 2 notice boards, one to display new book jackets and the other for information regarding course and career.

One main circulation counter consisting of one rack for the books to be issued and returned subject wise.

- a) 5 lending card keeping boxes (3 for students, 1 for teaching staff and 1 for non- teaching staff.
- b) Reading space for students with four tables.
- c) Spacious study room for teachers with one table.
- d) Two tables for post- entry book processing.
- e) 1 almirah containing rare books.
- f) 1 shelf to display career-oriented information.
- g) 2 computers for using library management software (LMS) for new book entry.

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

Books & Journals are generally purchased from the enlisted vendors & publishers after approval of the Library Sub-Committee keeping in mind the budgetary allocation and other book grant received from various sources.

Text books, reference books & journals are selected by the faculty.

After acquisition of the books, accession and categorization of the books are done. Thereafter the books are available to the users.

Library holdings	Year -1 2009-2010		Year – 2 2010-2011		Year – 3 2011-2012		Year – 4 2012-2013	
	Number	Total Cost (in ₹)	Number	Total Cost (in ₹)	Number	Total Cost (in ₹)	Number	Total Cost (in ₹)
Text books	1371	281097	3112	610940	3126	1020706	331	79770
Reference Books	389	143278	17	38402	83	229426	18	54995
Journals/ Periodicals	30	24830	31	25949	28	23890	24	20680
e-resources	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
Other Books	12	2120	132	56672	52	6886	19	9390
Any other (gift and donation)	29	-	6	-	6	-	2	-

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

1. OPAC
2. Electronics resource management package for e-journals.
3. Federated searching tools to search articles in multiple databases-yes, INFLIBNET.
4. Library website- yes.

5. In house/ remote access to e-publication – No.
6. Library automation – yes.
7. Total number of computers for public access – 2 (however access able for all Dept.)
8. Total number of printers for public access – 1 (however access able for all Dept.)
9. Internet band width/ speed – 2MBPS, 10MBPS, 1GB.
10. Institutional repository – yes.
11. Content management system for e-learning – no.
12. Participation in resource sharing network / consortia (like INFLIBNET) - yes.

4.2.5 Provide details on the following items:

1. Average number working days – 248
2. Average number of books issue/returned -154
3. Ratio of library books to student enrolled -4600:3500
4. Average number of books added during last three year-2176
5. Average number of login to OPAC – No
6. Average number of login to e-resource- Nil
7. Average number of e-resource downloaded printed-5
8. Number of information literacy training organized- No
9. Details of weeding out of book and other materials- Nil

4.2.6 Give details of the specialized services provided by the library

- A) Manuscripts – No
- B) Reference – Yes 110 days
- C) Reprography – Yes 50 page print per day
- D) ILL (Inter library loan service) – Yes
- E) Information deployment and notification – Yes

- F) Download – yes 40 days
- G) Printing – 70 print / day
- H) Reading list/bibliography compilation –Yes regularly
- I) In house/remote access to e-resource – No
- J) User orientation and awareness –No
- K) Annual orientation program for fresher’s –No
- L) Assistance in searching databases –
- M) INFLIBNET / IUC facilities – Yes (teachers & staff only)

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

Library is automated. There are sufficient numbers of computers in the library which are used by the students and staff (2 for searching). The library has been provided with open access system.

- a) Both teachers and student have access to Internet services during the college- hours free of any cost.
- b) There is Internet connection in the library.
- c) Reprographic facility is available to the students and staff free of any cost.
- d) Online access to select journals is provided by the library through INFLIBNET.
- e) Access to the library is available during (7a.m. - 7p.m.) from Monday to Friday, 7a.m. - 2p.m. on Saturday, approximately 270 days per year (exception Sunday, public holidays and vacation etc).

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

Books are provided to the students visually/physically challenged for a longer time than the usual.

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

The library takes regular feedback from its users (verbally & informally). The matter is discussed in LSC (Library subcommittee) meeting regularly and strategies for improvement are worked out accordingly.

4.3 IT Infrastructure

Give detail on the computing facility available (hard ware & soft ware) at the institution.

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

- Number of computers with Configuration (provide actual number with exact configuration of each available system) –

Departments	No. of computers	Configuration
Geology	4 Desktops, 3 Laptops	2 desktops are Intel core 2 duo, 1 desktop is dual core, 1 desktop is P4, 2 Laptops are Intel core 2 duo, 1 Laptop is AMD Athlon.
Physics	4 Desktops, 2 Laptop	1 desktop is P4, 3 desktops are core 2 duo, 2 laptops are core 2 duo
Mathematics	2 Desktops, 3 Laptops	1 desktop is I5, 1 desktop is core 2 duo, 2 laptops are core I3, 1 laptop is P4
Chemistry	1 Desktop	Core 2 duo
Geography	1 Desktop	Core 2 duo
Microbiology	1 Desktop	Core 2 duo
Botany	1 Desktop	Core 2 duo
Zoology	1 Desktop	Core 2 duo

Departments	No. of computers	Configuration
Computer Science	1 Desktop	Dual core
Computer Lab	45 Desktops	12 dual core, 33 P4
Principal	1 Desktop, 1 Laptop	Both are Core 2 duo
Teacher's common room	1 Desktop	Core 2 duo
Administrative blocks	7 Desktops, 1 Laptop	4 desktops are I3, 3 Desktops are P4, 1 laptop is core I3
Library	2 Desktops	1 destop is core 2 duo, 1 desktop is core I3
Career Counselling	1 Laptop	Core 2 duo

- Computer-student ratio 1 : 29
- Standalone facility - Nil
- LAN facility – Available to all
- Licensed software – Used in all
- Number of nodes/ computers with Internet facility – Available to all
- Wi – Fi connections, Extra switches for Laptop connections

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

Internet facility is available to the faculty and students within the campus during college hours.

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

- Desktop and printers to all the faculty members with internet facility.
- Laptop to all the faculty members
- Wi-Fi connections to all the laptops

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

Year	Procurement (₹ in Lakh)	Deployment (₹ in Lakh)	Upgradation (₹ in Lakh)	Maintenance (₹ in Lakh)
2012-2013	2.00	1.17	0.42	0.22
2011-2012	2.00	0.63	1.0	0.16
2010-2011	2.00	0.52	1.18	0.27
2009-2010	1.75	1.05	0.33	0.15

4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students?

- Teachers prepare their own study materials using IT resources and supplied it to the students before delivering the same lecture in the class rooms.
- On-line study-materials of some eminent teachers are shown to the students by projection.
- The data of the students, his/her marks, result of terminal examination are preserved in the data-base server.

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching - learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

- In some of the classrooms there present on-line projection facility to use as a teaching-learning resources
- Some of the Desktop computers are used solely by the students with internet facility – this will help them for independent learning.
- Computer library with terminals and internet facility are technology enabled learning spaces

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

No

4.4 Maintenance of Campus Facilities

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

		2012-2013 (` in Lakh)	2011-2012 (` in Lakh)	2010-2011 (` in Lakh)	2009-2010 (` in Lakh)
a.	Building	10.0	10.0	5.0	5.0
b.	Furniture	1.5	1.0	1.0	0.5
c.	Equipment	1.5	1.0	1.5	1.0
d.	Computers				
e.	Vehicles	NIL	NIL	NIL	NIL
f.	Any Other	0.5	1.0	1.0	0.5

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

- Most of the equipment is maintained annually during the period, when classes are suspended due to university examination.
- Annual maintenance contract for some of the instruments are there; the party constantly visited the instruments and upkeep it.

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

The Department of Geology has a high quality research Microscope, Leica, German Made, with image analyzing system, procured from the DST Project by Dr. RajibKar. AMC is given to the company service provider. They regularly visited the Institute to upkeep the Instrument, by cleaning and calibrating.

AMC for the Data base server and associated software and nodal switches are provided to the service provider to maintain the system.

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

The sensitive Instruments, such as Data Base server are located in a dust-free AC room, adjacent to the Administrative Block, with separate Electrical connection, having auto cut facility for high voltage fluctuation and maintained with lightening arrester. The short circuit situation is managed by using MCB switches.

The Leica microscope is also kept in a dust-free AC room, with MCB switches to avoid short circuit situation.

The digital weighing balance with six decimal significant figures (MICROGRAM) balance is installed in the chemistry department for central use with a MCB switch protection.

Spectrometer with computer interface, Michelson Interferometer, Feby perrol Interferometer installed in the Physics Department in a dark room with MCB switch protection.

Electro Magnet with 2 tesla intensity installed in the electrical lab in the Physics Department with MCB switch protection

Spectrum Analyzer, Digital storage CRO, Nano ammeter with computer interface installed in the Electronics Lab of the Physics Department with auto voltage regulation and MCB switch protection.

Annexure - I

Master Plan

BACKGROUND

Every College Campus should have the very functional purpose of providing an environment that facilitates learning, research and scholarship as well as fostering the social, cultural and sporting experiences that are integral to the full 'college life'.

However it is fast becoming a challenge to achieve this, keeping the space with the educational, social, cultural and political environment, which are changing



more rapidly than ever. It

has been observed that in the process of addressing the various impending needs which emerge out of this change, short-term, adhoc measures are often adopted, which not only fails to satisfy any long term needs but often

cause irreparable damage to the physical environment of the campus. Hence, to accommodate additional academic, research, administrative and recreational space needs over the coming years, academic institutions worldwide have been preparing Master Plans for the development of their campus.

Jagannath Kishore College(JKC), Purulia, has not been an exception. The college authority has decided to prepare a Master Plan for the campus with an aim to

guide the development of the institution campus for the future, with a vision in the horizon.

JKC anticipates many changes over the next coming years to accommodate campus growth in the growth in the numbers of students, faculty and staff, and to achieve a higher quality-of-life campus environment.

KEY ISSUES

- Inadequate space to address future demands

With growing activities in all fields the college will be in definite need of more space in the coming years. The existing arrangement will be insufficient to meet this need, and hence there is a need of generating more usable space with in the college campus.

- Improper disposition of uses/facilities

For academic facilities a campus, the concept of maintaining and achieving school or departmental adjacencies is an important criterion. Geographically scattered activities existing and future programs should be brought together based on their interdependency and compatibility. Today there has been a need for a more elaborate and proper library facility. Hence the possibility of adding a separate library block should be examined. As a concept, the library, other than functioning as a repository of information, should function as an interactive “learning center”, for enhancement of the educational environment. The existing teachers room, is far from performing it’s role as center for interaction among faculty members, or the faculty members and the students. Hence the JKC authority strongly feels the need of developing a teacher’s room for carrying out such activities.

- Ambiguous circulation systems

Today, there does not exist a definite vehicular or pedestrian circulation system in the campus. . If not addressed, this could potentially be a problem area in the future, when the population in the campus would increase.

- Ineffective contribution of the buildings architectural style towards a appropriate ‘ Campus Environment’

The campus should be culturally instructive, introducing the individual to the reach set of information, values, principles and experiences which art, landscape, and architecture are capable of embodying in the built environment.

VISION STATEMENT

The campus environment will

- Provide an attractive, friendly, safe, accessible, efficient, and distinctive setting to attract and nature students, faculty, faculty and staff.
- Be source of pride for the College community, alumni, friend of the College, and the citizens of Purulia;
- Be place of innovation, activity, stimulation and beauty in the 21st century and beyond;
- Respect and celebrate the History, Physical Heritage, intimate scale, sense of community and place in the town of Purulia
- Accommodated the needs for growth and future development.

AIM

Guide the Development of the College Campus towards fulfilling the vision

The aim of the Master Plan is to guide the development of the campus for the future, by adopting a holistic, integrated approach based on real, long- term need towards an organized, planned and appropriate development of the campus.

However, the intent of the Master Plan is not to lay down some rigid guideline for future development, but to provide the College a flexible planning tool as expansion of the campus is considered. The Master Plan is flexible and will be updated when appropriate.

OBJECTIVES

1. Accommodating Growth and Physical Needs for the future and Optimizing Use of Building and Land Space

Accommodating additional academic, research, administrative, and recreational space needs over the coming years may require, rearrangement of existing facilities, or removal and replacement of building, i.e. improving existing activities and facilities by co-location of compatible units; renewal and completion of deferred maintenance, facility renovations and additions that improve interactive learning and that connect and infill between building that have a compatible educational mission; recognizing the physical accessibility needs of diverse user groups.

Optimize the utilization of our facilities : Develop, administer, and maintain space allocation policies and procedures that help to ensure the most appropriate occupancy and optimal usage of all campus space

2. Establish a High Standard of excellence in Design and Construction

Strive to achieve high-class stature in technological and educational innovation, architectural appearance, construction durability and long term flexibility, low energy use and environmental impact.

3. Improve the Campus Environment

Improve campus safety and amenity by improvements in traffic, parking, landscaping, pedestrian access and lighting ; create more coherence and “Sense of

place” by improving circulation and outdoor and indoor spaces for socialization and informal learning; and adopting an architectural materials plates complementary to the environment.

Develop the campus with a distinctive identity that is vibrant environment for social and academic interaction. Enhancement of campus open spaces and pedestrian environment, and removal of automobiles from portions campus, are key concepts for achieving this vision

SCOPE OF THE PLAN

The plan will broadly deal with the provision, composition, and character of the buildings, vegetation, paying, and utilities of the college ground, and with how people and vehicles occupy and move about them. It will take a broad overview, and is primarily concerned with where things are put and how they interrelate. The Master Plan will not describe future building and landscapes in detail. It is a set of planning principles that define intent, but not final form. The planning principles guide physical change to ensure that general objectives are met but are flexible enough to accommodate specific needs that may arise in the future.

The Master Plan identifies the parts of the campus that are successful and make the campus a special place. Likewise, the plan identifies areas that detract from the campus and can benefit from improvement. The plan seeks to preserve and enhance the positive aspects and repair or replace the negative parts of the campus.

The campus will be:

- Predominantly Pedestrian
- Academically Compact
- Perceptually Comprehensive
- Organizationally Logical
- Culturally Meaningful
- Humance in Scale

There has been a need for a more a more elaborate and bigger library building, with all state-of-the art facilities and resources. The library, other than functioning as a repository of information, should function as an interactive “learning center”, for enhancement of the educational environment of the campus. The new building is ideally be the most prominent and noticeable structure in the campus. Now vertical expansion of the new library building should be taken up.

Today, the Principal’s office is a part of the general administration/ office block, which might not be big enough to accommodate both these functions in the future. Hence, the provision of bigger Principal’s Office and bigger general office should be looked into. The available space in the existing teachers’ room is inadequate to meet even the present day requirement. Hence a bigger, healthy, and more suitable teachers’ room is one of the most impending needs of JKC. Vertical expansion of the existing building should be considered.



In terms of students facilities (Common room, games gymnasium, etc.) the existing infrastructure at JKC is inadequate. This is an area, which warrants some positive intervention.

Since long JKC has felt the need of developing an auditorium to stage various cultural, social, community and academic activities. Now Indoor Sports Training Hall is under Construction. This building can also be used as auditorium. The possibilities of developing an open-air theatre (OAT), should also be explored.

MOVEMENT / CIRCULATION SYSTEMS

It is intended that the campus should be primarily a pedestrian campus and that there should be a hierarchy of movement/circulation systems. All academic buildings shall be within a convenient walking distance of each other within the campus edges.

Today, there does not exist any definite segregation of pedestrian and vehicular routes. But as the volume and intensity of any motor vehicle playing inside the campus is very minimal, the problems are not yet felt to any serious extent. However, any possible increase of intra-campus vehicular traffic in the future could create problems having serious implications on the safety and convenience of pedestrian movement and the overall campus environment.

The pedestrian malls must be designed to accommodate emergency access, but this requirement should not erode the commitment to make the malls shaded and experimentally rich environments appropriately scaled for the pedestrian.

Vehicular traffic other than emergency vehicles should be limited to designated routes. Service access should be separate from pedestrian walkways. When it is unavoidable for such routes to cross a pedestrian route. The pedestrian route will retain its character and the vehicle will be required yield to pedestrian traffic.

Parking structure should have an equal priority, just as pedestrian entrances, in becoming the arrival gateways and point of one's first impression of the campus.

Peripheral surface parking should be landscaped, reducing the scale by planting trees and using low screen wall, hedges and shrubbery at the perimeter and further planning between rows where possible.

All areas of campus should be handicapped accessible.

LANDSCAPE AND OPEN SPACES

The campus should have attractive and appropriately scaled entrances, which will be both functional and symbolic. Each will have its own identify derived from landscape and/or architectural amenities.



Landscaping is a primary source of climate modification and should be consciously and intelligently used to provide shade and not heat effective surfaces where they are most needed. The landscape should reflect and take full advantage of the year round growing session, which in turn provides the opportunity for uniquely pleasant campus setting.

Within the campus there will be three different kinds of landscape : the low



water usage landscape, the green lawns and trees that grow in the region, and a landscape of paved surfaces, structured planters and shade trees. Plant materials should be low maintenances, diseases resistant, and low pollen releasing types. The use of native plant materials on the campus on the campus should be

promoted.

Heavily trafficked areas and areas where many people will gather regularly are locations where the more intensive and costly urban landscaping is appropriate. These areas should incorporate annuals, succulents and other than specimen plant material.

Landscape should be used to reinforce the comprehensibility of the campus by providing a consistent and recognizable character to routes, places, edges and districts. The landscaping around new building needs to be designed to support this principle.

LIGHTING/SIGNAGE/ AND STREET FURNITURE

Illumination should be matched to need. It should be adequate for the task but not excessive in level or duration.

Lighting should enhance security and safety for use on the campus at night. Lighting placement should be coordinated with the landscape to optimize each fixture.

Lighting should be designed to avoid glare and provide good color rendering. It is intended that light should be used in creative manner to enhance the visual and spatial qualities of the campus at night.

Light fixtures and poles should be integrated into the family of street furniture and signage, which articulate the landscape of the campus. Every effort should be made to reduce the numbers and diversity of sizes and shapes of lights and sign.

Street furniture should be fully integrated into the design of the landscape and hardscape. Movable furniture may be considered if security concerns can be met.

Building and campus signage, street furniture, sidewalks with exposed aggregate borders and approved mall amenities should match university standard, Variations should incorporate the fundamental designs of approved standards.

VIVEKANANDA KENDRIYA GRANTHAGAR: THE CENTRAL LIBRARY

The new central library building was built in accordance with the master plan. Areas of the library building is approximately about 850 Sq.Mt.



It consists of area where media and materials are checked in and out , General Reading and Browsing room of the library for student and faculty use, Circulating core collection, Reference, Periodic Area.

In future it should be augmented with

- a. Electronic Information Retrieval
- b. Cyber Zone-area for internet browsing
- c. Audiovisual software
- d. Vertical file
- e. Storage area for back issues of periodicals, media and seldom used materials



f. Group Instruction Room areas for direct instruction, reading aloud, storytelling, book talks, puppet shows, video conferencing etc.

g. Electronic Multimedia Production area for school community to utilize technology to design, develop, and produce media products; may include sound controlled spaces

for audio-video recording. Desktop publishing. CD production and additional capabilities as they become available.

BUILDING

Academic Institution buildings differ from buildings in the private sector in



many ways. One of the most significant is that they must be constructed to last for considerably longer periods of time. Often in the private sector building are designed for a twenty –year life cycle, or even less, with intent to

amortize the investment, demolish the facilities, and redevelop the property. Academic facilities, on the other hand, are typically built to be a permanent part of the campus with long term usage over an extended period of time. With this long term usage in mind, it is prudent that academic buildings be designed and constructed to last a minimum of fifty years with building component and maximum durability and flexibility for interior space.

Building exterior finishes should be of permanent long-lasting materials that do not require extensive maintenance.

Internal finishes of buildings should be compatible with intended usage of the building and should accommodate cleaning and maintenance at minimal levels of service. High wear areas should offer finishes that are more durable than paint.

Any buildings in the campus should be built, or modified keeping in consideration existing character, and the context. They should have integral connection to the surrounding landscape.

Building design should incorporate are latest technology in energy efficiency to minimize energy usage for heating, cooling and lighting.



All buildings on campus should not more than three stories in height. This will preserve the existing intimate scale and as well as guarantee an adequate intensity of site use to retain a compact campus and conserve a limited land

resource.

Building should be sited and designed so that they establish a relationship to each other and create useful and meaningful spaces between them. A premium of importance is to be placed on creating spaces to simulate informal interaction between students and faculty. A residential scale and suburban character of the campus should



be honored; as opposed to developing the campus based on urban or corporate models.

Building should create shelter and shade both inside and outside, but also should maximize the potential for desirable outdoor space.

Building should be designed to use daylight for interior spaces to achieve economics in energy use, and to retain contact with the exterior environment for occupants.

Buildings should use planning, massing, and external shading devices, and landscaping to reduce solar gain.

Publicly accessible classrooms and lecture rooms, and spaces used by large numbers of people, should be at ground level or within one level of ground level.

The Area immediately adjacent to buildings should be designed to integrate with the surrounding landscape and pedestrian walkways. Shaded courtyards, cloisters (Pergila) and sculptures are encouraged for consideration into the design, Generally, campus standard lighting and street furniture should also be incorporated into designs to provide integrating elements to the campus. Where provide integrating elements to the campus. Where standard mall amenities cannot be aesthetically integrated into area immediately adjacent to new buildings, alternatives may be considered provided that they are functionally compatible



environment.

Service areas, including waste disposal containers and loading dock bays, should be integrated with the design of buildings. Service areas shall be designed to discourage pedestrian access and to avoid negative visual impacts on the surrounding

All buildings on campus should be designed within harmonious palette of earth-toned materials generated by the existing brick and concrete buildings. Contrasting colors may be used for trims or accents.

Building should be designed to reveal or express their primary patterns of use and entry. This will not only be assist comprehensibility but also achieve a desirable variety.

Buildings should be designed as cultural artifacts in their own right, rich in allusion and metaphor, symbol and ordering; they should stimulate engagement and reward contemplation.

Significant historical structures and places should be retained, restored and reused whenever possible to sustain and extend the sense of historic continuity of the university. This clause is not intended to provoke a loss of functionality or logic in the use of the campus, but rather constitutes a challenge for flexibility and ingenuity in the pursuit of the functionality and logic

The clarity of the north/south east/west orientation of the campus should be reinforced in the predominant volumetric massing of buildings.

Buildings, as well as landscaping, should be designed to sustain the ordering of the campus with building s forming coherent sets.



The spaces adjacent to buildings should be least as strong and clear in character as the buildings themselves. Building forms should be so organized as to contribute to the definition

and containment of those external spaces.



Building interior signage should incorporate campus standards to integrate the building function into the campus and to provide recognition and uniformity from building to building.

All buildings should have handicapped access with special attention to safety.



C. Criteria-Wise Inputs

CRITERION V:

STUDENT SUPPORT AND PROGRESSION



5.1 Student Mentoring and Support

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

Yes, the institution publishes its updated prospectus annually. The information about the Governing Body, Teachers' Council, Academic Council, Faculty of post-graduate studies, U. G. studies, Honours and General Subject combinations, Total Intake Capacity, Central Library, Fee Concession, Academic Results, Prizes, Awards and Trust Funds, College Hostels etc are disseminated to students through this prospectus.

J. K. College with its holistic approach is trying to be instrumental in catering to the needs of the poor students having rich latent potentialities and coming from far- flung areas of this so- called backward district in West Bengal. The college tries to ensure its commitment by the production of students who are academically strong and sound, morally upright, socially connected, spiritually oriented and devoted to the service of the nation.

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

Yes, financial aid is available in the following forms:

- Scholarship for Sanskrit students from Central Govt. through college.
- Scholarship to SC/ST/OBC and meritorious students from State Govt. through college.
- Full Free studentship / Half Free studentship from the college fund.
- Assistance to poor but meritorious students from the poor boys' fund /

Students' aid fund of the college.

- Financial assistance to selected students from the Teachers' Council.
- Books, Financial assistance and Awards from different trust funds and other agencies.

Yes, all financial aid is available and disbursed in time and as per requirement.

Serial no	Academic year	Full-free studentship (in no.)	Half-free studentship (in no.)	Students' aid fund (Amount in ₹ & no. of students benefited)
1	2009-2010	208	239	₹19,870/- and 105
2	2010-2011	199	278	₹26,585/- and 140
3	2011-2012	175	302	₹32,385/- and 174
4	2012-2013	149	318	₹22,660/- and 125

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

- Most of the SC/ST and minority but meritorious students from State Govt. through college. The data can be given in a tabular form

Serial no	Academic year	SC	ST	OBC	Govt.-aid	Minority
1	2009-2010	305	88	5	23	10
2	2010-2011	472	140	7	32	39
3	2011-2012	502	152	9	25	216
4	2012-2013	597	188	12	27	190

5.1.4 What are the specific support services/facilities available for

- a) Students from SC/ST, OBC and economically weaker sections

College has reservations for them as per University and

Government norms and financial aid, if needed, is provided by the college. Certain concession in tuition fees in the form of granting full or half-tuition fees waiver are awarded to them.

b) Students with physical disabilities

College has reservation for physically handicapped students as per University and government norms and financial aid is given to the Students with physical disabilities.

c) Overseas students

Not Applicable.

d) Students to participate in various competitions/National and International

College organizes special camping programme and all necessary financial aids are given.

e) Medical assistance to students: health centre, health insurance etc.

Dr. Nirbanananda Maharaj associated with Tapananda Ashram, Ketika, Purulia, and Dr. K. B. Sinha, Ex-CMOH of Deben Mahato Sadar Hospital, Purulia attend our Health Centre in college campus on two different days a week.

f) Organizing coaching classes for competitive exams

Entry level coaching funded by UGC is organized by the college for competitive exams

g) Skill development (spoken English, computer literacy, etc..)

Department of English and Department of Computer Science have been entrusted with the task of imparting such skills only to those students who have their own interest and those who require these skills.

h) Support for “slow learners”

For slow learners special classes, Tutorial classes and Remedial Coaching are arranged by the department concerned.

i) Exposures of students to other institution of higher learning/ corporate/business house etc.

N. A.

j) Publication of student magazines

College Magazine ‘PALASH’ is published with substantial contribution from Students’ Union Fund and Wall Magazine is published by the students of various departments.

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

N. A.

5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.

- additional academic support, flexibility in examinations
- special dietary requirements, sports uniform and materials
- any other

Students are encouraged to participate in extracurricular activities as volunteers of NSS and cadets of NCC. They are engaged in various social welfare activities throughout the year i.e. participation in the competition of youth mock- parliament, cleanliness activity (Road, Bus stand, adopted villages), environmental awareness programme, Human Rights awareness programme, Blood donation camp, literacy programme, tree plantation programme etc.

The college makes arrangement for coaching camp during the practice session of different games and sports, when the students participate in different competitions. Students are encouraged to participate in sports and games organized by college and university and by Govt. of W.B. Sports uniforms, equipment and materials (like Dress materials, javelin, shut-put, football, Cricket kits, batons etc.) are supplied by the college. Students are given healthy refreshments during practice sessions.

Apart from this, the college also bears the conveyance to players for participation to different venues.

5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR- NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defense, Civil Services, etc.

Although systematic and detailed data are not available, many students have appeared and qualified in various competitive exams and most of them are successfully and efficiently working in India and abroad.

Some information:

- a) Entry Level Coaching funded by UGC provides guidance to a large number of students to ensure teaching jobs through the WB Central School Service Commission and WB Central Primary School Service Commission.
- b) Many students have qualified in WBCS Exam.
- c) Students qualified in NET/SLET are successfully working/teaching in various higher educational institution and research organizations.

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

Teachers arrange academic, personal, career-oriented and psycho-social counseling departmentally both before and after admission. Tutorial classes held are meant primarily for academic and personal counseling. Teachers also organize interdepartmental dialogues and interactions towards the goal of counseling. In addition to this, periodical career-counseling is held at our career counseling center where trained and qualified counselors are invited from other colleges and institutions also.

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

No placement cell.

5.1.10 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 institution has a grievance redressal cell. The following cases was redressed:

1. Students expressed their grievances regarding insufficient spaces their cycle stand – Two other cycle stands were augmented in the year 2010-11.
2. In 2010 there was insufficient rainfall in W.B. especially in Purulia district. Students were facing water crisis and they expressed their grievances regarding insufficient drinking water in the college and Hostels – Two deep tube wells were bored in the year 2010, one in the college premises and the other in CRMM Hostel. At the same time arrangements were made for augmenting the water supply from the Municipality in the year 2010-11.
3. Two Water cooler and sufficient number of water filter provided in college as well as in the Hostel.
4. Fans in the rooms of the CRMM Hostel provided. BCW Dept authority were requested for providing Fans in the Hostel rooms.
5. Bathrooms and sanitation of the CRMM Hostel renovated.
6. Modernization of Boys common room, Student union room and Canteen etc. are in consideration.

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

We do not have any such committee constituted for prevention or action against sexual harassment of women students mainly because no such untoward incident of sexual harassment has been reported to the college authority during last four years.

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

Yes. We have an anti-ragging committee for prevention against any type of harassment of the students particularly the newcomers both at the college and in the hostels.

In last 4 years one such case was addressed. A student, Durgapada Datta (Roll no. 111216) left the CRMM Hostel suddenly on 15.10.2012 evening after quarreling with a group of boarders in the Hostel. The case was addressed in the anti-ragging committee and the report to the local police station was made on 16.10.2012. The police rescued the student from railway station. The case was peacefully resolved in the anti-ragging committee on 17.10.2012.

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

Subsidized canteen facilities, Xerox at cheap rate and free medical check-up at health centre within the campus are available to the students.

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

Yes. The college has a registered Alumni Association (Govt. regd. No. – 5/1L/26826). It is a matter of great pride for the college that four of our existing faculty are members of the Alumni Association, besides one retired faculty and some non-teaching members of the college.

Our Alumni Association acts as a bridge between the glorious past and promising present. Our alumni are invited annually on the college foundation

day on 22nd July. The college receives counsels and advices regularly regarding the all-round development of the college. The members of the association also actively help to the raise funds for the infrastructural development of the college. The association also extends helping hand to encourage our poor meritorious students coming from far- flung areas of this district by rewarding them.

Some important alumni of the J. K. College are as follows -

1. Sri Nakul Chandra Mahato, a student of the first batch and a social activist;
2. Sri Bir Sing Mahato, ex MP, and a social activist;
3. Dr. Angsuman Kar, Dr. Subham Chatterjee, Prof. Arnab Sinha, Dr. Prosenjit Panda and Prof. Manasi Mandal are the members of PG departments in various universities;
4. Kirity Mahanty, Gargee Pan, Auritri Basu, Suprabha Mishra, Moumita Dubey and Shyam Singh are well-placed in various government and non-Government institutions;
5. Bishnu Kumar, Ushnish Sarkar, Debopam Raha, Subrata Duari, Sanat Kr Mahato, Abhijit Sarkar, Som Shankar Sen are teaching with reputation and distinction in various colleges;
6. Dr. Bidyapati Kumar, an ex-student of Department of Mathematics and a gold medalist, is now the Principal of Arsha College, Arsha, Purulia;
7. Prof M. Bhattacharya and Ajit Mahanty retired as faculty of this college;
8. Dr. K. L. Dutta, Dr. Phalguni Mukherjee, Dr. G. C. Garai and Dr. A. Mitra are members of the present faculty of the college.
9. Subrata Dutta, a student of the Department of Chemistry, is now pursuing Ph D. in Germany;
10. Our students are presently engaged and completed Ph D. and Post-Doc in various renowned institutions like BARC, IITs, IISc-Bangalore, Eflu-

Hyderabad, ISM-Dhanbad, IACS-Kolkata, IISER – Kolkata, ISI-Kolkata, Wadia Institute of Himalayan Geology, Delhi University and other Universities. Some of them are also absorbed as faculties in these Institutes.

5.2 Student Progression

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

Student progression	%
UG to PG	Approx 60% students from all streams
PG to M.Phil.	5%
PG to Ph.D.	2%
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	32%

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

Examination results of UG (programme wise) and PG in tabular form is Provided in section 2.5.5.

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

There is no employment cell in the college.

But regular departmental and inter-departmental seminars and numerous academic programmes organized by the college encourage the students to pursue higher studies.

Advanced learners are encouraged to participate in various academic programmes held in other institutions.

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

Drop- out rate of our college has been approx. 15.31% in UG and approx. 8.57% in PG during last four years. Departmentally parent-teacher or guardian-teacher meeting/interaction, value education and numerous academic extension activities by our teachers contributed to minimize the drop out to a great extent. In addition to this guardians' call by college authority/department occasionally has become instrumental in reducing the possibilities of drop-out.

Risk of failure students are regularly counseled by the departmental teachers and helped by giving extra books, notes etc.

5.3 Student Participation and Activities

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

The aim of modern education is all-round development i.e. intellectual, mental, physical, emotional, cultural etc. of the students. Along with intellectual development, numerous extension activities are promoted for physical development and to inoculate a sense of civic responsibilities, community orientation among the students through their participation in

games and sports, cultural activities, arranging science fair and other extracurricular activities through NSS and NCC throughout the session.

Our students participate in Track and Field, Indoor games (like table tennis, badminton etc.), gymnastics, and outdoor games like football, cricket, volleyball, Kho-Kho etc.

Details of program calendar of sports:

- Students of the college (both boys and girls) participate in the Annual college sports and games.
- Our students participate with much enthusiasm in the Inter-Non-Govt. College Athletic Meet and Football Tournament in both district and state level every year.
- Our students actively participate in the Inter-college competition of games and sports conducted by the affiliated University every year.

Cultural and Other extracurricular activities: Mock parliament, cultural competition etc. , participation in NSS/NCC

- NSS and NCC volunteers organize cultural programs and blood donation camp on various occasions throughout the year e.g. Independence Day, Republic Day, Human Rights Day on 10th December, College Foundation Day on 22nd July, World Environment Day and Birth Day Celebration of Celebrities etc. Cultural competitions (like quiz, debate, songs, recitation, extempore etc.) are also organized by the Students' Union every year.
- NSS volunteers intermittently organize different awareness programs on various occasions in order to make the students aware of multifarious burning issues e.g. AIDS, Environment pollution and protection, Global warming, Consumers' protection, Humanism of

Swami Vivekananda, Global terrorism- A Menace to civilization, Thalassaemia etc.

- Our college teams participate in Youth Parliament and Quiz Competition both at the district and state level organized the Ministry of Parliamentary Affairs, Govt. of West Bengal.

5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. for the previous four years.

Details of major students' achievements:

Games and Sports:

Year	Major achievements
2009-2010	<p>Participated and won (1st, 2nd, 3rd) in different events in XI INTER NON-GOVT. COLLEGE DISTRICT ATHLETIC MEET-2010, Education Directorate, Govt. of W.B. and 03 students participated (1st, 2nd) in the corresponding state meet.</p> <p>Runners-up in the INTER COLLEGE KHO-KHO TOURNAMENT (men)-2010, organized by the Sports Board, The University of Burdwan, Burdwan, W.B.</p> <p>Winner (Singles) in the INTER COLLEGE TABLE TENNIS TOURNAMENT (men)-2009-2010 (27/8/2009), organized by the Sports Board, The University of Burdwan, Burdwan, W.B.</p>

Year	Major achievements
2010-2011	<p>Participated and won (1st, 2nd, 3rd) in different events in XII INTER NON-GOVT. COLLEGE DISTRICT ATHLETIC MEET-2011, Education Directorate, Govt. of W.B. and 05 students participated (1st, 2nd) in the corresponding state meet.</p> <p>Our college secured highest grade point and was awarded the trophy of Best College in the said Athletic Meet.</p> <p>Semifinalist in the XII INTER NON-GOVT. COLLEGE DISTRICT FOOTBALL CHAMPIONSHIP-2011, Education Directorate, Govt. of W.B.</p> <p>Semifinalist in the INTER COLLEGE CRICKET TOURNAMENT (men)-2011, organized by the Sports Board, The University of Burdwan, Burdwan, W.B.</p>
2011-2012	<p>Participated and won (1st, 2nd, 3rd) in different events in XI INTER NON-GOVT. COLLEGE DISTRICT ATHLETIC MEET-2012, Education Directorate, Govt. of W.B. and 05 students participated (1st, 2nd) in the corresponding state meet.</p> <p>Our college was awarded the trophy of Best Girl athlete in the said Athletic Meet.</p> <p>Champion in the XII INTER NON-GOVT. COLLEGE DISTRICT FOOTBALL CHAMPIONSHIP-2012, Education Directorate, Govt. of W.B.</p>

Year	Major achievements
2012-2013	<p>Participated and won (1st, 2nd, 3rd) in different events in XI INTER NON-GOVT. COLLEGE DISTRICT ATHLETIC MEET-2013, Education Directorate, Govt. of W.B. and 05 students participated (1st, 2nd) in the corresponding state meet.</p> <p>Our college was awarded the trophy of Best Girl athlete in the said Athletic Meet.</p> <p>Runners up in the XII INTER NON-GOVT. COLLEGE DISTRICT FOOTBALL CHAMPIONSHIP-2013, Education Directorate, Govt. of W.B.</p> <p>Champion in the INTER COLLEGE FOOTBALL TOURNAMENT (men)-2013, organised by the TheSidhoKanhoBirsha University, Purulia, W.B.</p> <p>Champion in the INTER COLLEGE VOLLEYBALL TOURNAMENT (men)-2013, organised by the TheSidhoKanhoBirsha University, Purulia, W.B.</p> <p>Winner (Singles and Doubles) in the INTER COLLEGE TABLE TENNIS TOURNAMENT (men)-2013, organized by SidhoKanhoBirsha University, Purulia, W.B.</p> <p>Seven students of our college were selected in the Football Team of SidhoKanhoBirsha University, Purulia, W.B.</p> <p>Students of our college have been selected in the table tennis team of SidhoKanhoBirsha University, Purulia, W.B.</p> <p>Two students of our college were selected in the Cricket Team of SidhoKanhoBirsha University, Purulia, W.B.</p>

- 1st prize winner (district level) in Quiz Competition and participant in the state level, 2010, organized by the Ministry of Parliamentary Affairs, Govt. of W.B.
- 2nd prize winner (district level) in Youth Parliament and 1st prize winner (district level) in Quiz Competition and participant in the state level, 2011, organized by the Ministry of Parliamentary Affairs, Govt. of W.B.
- 2nd prize winner (district level) in Youth Parliament, 2012, organized by the Ministry of Parliamentary Affairs, Govt. of W.B.
- 14 volunteers participated in the Purulia District NSS Seminar at M.G.College, Lalpur on 10.01.10 on Conservation of Historical / Cultural Heritage.
- 2 volunteers of our college represented SKBU at PRD selection camp at Calcutta University on 17-09-2011.
- 4 Volunteers completed Master Trainer Training for ASER-, 2010,2011,2012 and 2013 at Santiniketan.
- NSS Volunteers Debasis Das, Jiban Ch. Mudi and Bholanath Kumar of our college were selected for the 10 day PRD camp Eastern Zone in 2010(atSikim), 2011(at Orissa), 2012(at Guwahati) .
- NSS volunteers Ranjit Das and KanchanBauri of our college represented SKBU at the *National Integration Programme (A Youth Exchange Programme)* at *Karnataka Open University, Mysor, Karnataka* during February 19-28, 2013.
- NSS Volunteer Debasish Das of our college represented SKBU at the *National Integration Camp* at Sambalpur, Orissa during March 03-13, 2013.
- Sri AnirbanChatterjee, a NSS volunteer stood first in the college level speech competition in Purulia District on “Swami Vivekananda - his

relevance today” organized by Ramkrishana Mission Vidyapith, Purulia on 10.09.2012.

- Sri Prasenjit Karmakar, a NSS volunteer represented the college in the publication Ceremony of ASER report 2009 at New Delhi on 15.01.2010. He also selected in the University of Burdwan as well as state team in 10 day long PRD camp – zonal level – in Orissa, in October, 2008.
- 2nd prize awarded to NCC by the District Administration, Purulia, on the 62nd Republic Day, 2012 in Parade (unarmed uniform).
- 2nd prize awarded to NCC by the District Administration, Purulia, on the 63rd Republic Day, 2012 in cultural programme.
- 2nd prize awarded to NCC by the District Administration, Purulia, on the 63rd Republic Day, 2012 in Parade (unarmed uniform).
- Special prize awarded to NCC by the District Administration, Purulia, on the 64th Republic Day, 2013

5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

The college has a mechanism (Institutional and Departmental) to seek and use data and feedback from its graduates and employers, to improve the growth and development of the college. On the basis of the students’ feedback we identify the problems of the students (academic, infrastructural etc.) and give rapt attention to overcome these problems.

5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.

The College magazine “PALASH” is published once during the each session. Students and staff are expected to contribute articles/poem/story etc. to it. The wall magazines are also published by the different departments Like Mathematics (SANKET), Chemistry (CLUSTER), Geology (Basudha) and NSS (PRAYAS) occasionally to give expression to the thoughts and aspirations of the students. In addition to this exhibitions are also organized to prove the way for explicit manifestation of creativity, contemplation, imagination and artistic potentialities of the students.

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

Yes. The college has its Students’ Union which is the representative body of the students of all streams (Arts, Science and Commerce). The students’ representatives are directly elected every year by the bonafide students of the college in accordance with the provisions of Statutes of University by means of secret ballot. The total number of members of the body is 36. The office bearers are elected by the newly elected students’ representatives.

The Students’ Union organizes cultural programs and carries out many recreational activities throughout the session/year for the students.

The expenses are defrayed by the college from fees collected from each and every student at the time of admission under the head of “Union Fees”.

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

The General Secretary of the Students' Union represents the Governing Body which is the main decision making as well as administrative body of the college. Sometimes representatives of students' Union prefigure in other Committees.

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

The J. K. College Alumni Association is a registered body of the former students, and it makes a bridge between the past and present, and foresees the future course of development of the college. The Alumni Association has become instrumental in transmitting the rich heritage, values, valuable informations, experience etc. from generation to generation and thereby it reduces the inter-generational gap. In addition to this, some departments organize 're-union' meet every year.

The former faculties of the college share their knowledge, experience with the existing faculties and give valuable suggestions regarding the further development of the college. Many of them help the present students through counseling. Some awards are given to the students, to encourage them, by the former faculty members.



C. Criteria-Wise Inputs

CRITERION VI:

GOVERNANCE, LEADERSHIP AND MANAGEMENT



6.1 Institutional Vision and Leadership

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

The college was established in 1948, just one year after our long cherished independence in erstwhile Bihar. Since then it has been trying its level best to cater the needs of the society to establish itself as a premier institution in the remote district of West Bengal.

Our aims purpose, vision, mission and values are:

- Impart value-based education keeping in mind the cultural heritage of our motherland.
- Educate and equip young generation to meet the challenges in the midst of rapid societal change.
- Provide efficient and effective, and of course result-oriented teaching to the learners so that they can test the time by their own achieved skills.

Our students are motivated to participate in NSS and NCC programs to inculcate a sense of social responsibility, obligation, service to the nation and good citizenship in their world of mind.

The students who are deprived socially and economically are provided academic, financial and above all mental support just to cater their socio-economic stature. The college has been continuously supporting students in

the form of free studentship, scholarships, remedial classes, counseling. Teachers are also motivated to donate the books to the needy students.

Our vision for the future is to make this institution partly a centre for job-oriented education to that extent to what it is possible in the ground reality in West Bengal.

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

The top management i.e. the Governing Body, Principal and faculties take a pioneering role in order to frame policies, programs, guidelines and to execute these effectively. The implementation of those policies and plans are usually done through setting up different committees.

- The committees work in coordination with aforementioned apex body of the institution.
- The Governing Body determines policies, programs and ultimately controls the overall administration.
- Different committee alongwith the Principal, Secretary of the Teachers' Council, departmental heads, Bursar, Coordinator of IQAC, G.S. of the students' union work as a cohesive group to attain the desired target of good academic atmosphere.

6.1.3 What is the involvement of the leadership in ensuring:

- the policy statements and action plans for fulfillment of the stated mission
- formulation of action plans for all operations and incorporation of the same into the institutional strategic plan
- Interaction with stakeholders

- Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders
- Reinforcing the culture of excellence
- Champion organizational change

The leadership is exercised through consultation in the institution. This is exercised in such a manner that the followers in different forms give their commitments spontaneously.

- The highest body of the college alongwith the Principal lead from the front in order to monitor and control administration.
- The heads of the department play the crucial role in framing out the academic matters.
- Library committee consisting of Principal, teachers from various departments, non – teaching staff meet occasionally to frame the policy and programs regarding cataloging, proper maintenance of books and journals, reading facilities both for the teachers and the taught.
- The Teachers’ Council acts as the academic advisory body in the college.
- The IQAC use to maintain and also assures the quality of the management in academic atmosphere.
- The Finance Committee is entrusted with the formulation of the policies for proper and timely utilization of the allocated fund received from the Govt. and UGC to the departments as per their requirements

The various departments frame the policies to complete the recommended syllabus by the respective Board of Studies of the University in proper time.

- The non- teaching staff supposed to be the life blood of the college help in administration relating to admission of the students, examination, documentation and last but not the least day to day office work and departmental supporting work.
- The College Authority gives away Prizes, Awards and incentives to the students securing highest marks at the Final University Examination on various occasions to reinforce the culture of excellence.

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 Principal implements the policies and plans adopted by the highest body of the college in the following manner:

- To hold meeting with departmental heads, different sub-committee, non-teaching staff regarding curricula, master routine, monitoring the proper allocation of routine to different faculties, college & university examination etc.
- To prepare academic calendar and prospectus with the help of Admission and Prospectus sub-committee.
- To review the university results for different subjects and receive the effective feedback from the departments.
- To monitor the proper functioning of library and to find out finds ways & means of improving its facilities.
- To arrange motivational classes of the students with active cooperation of the NSS to achieve academic excellence & build up morale of the students.

Off late this motivational classes get momentum with the introduction of BibekPathak Chakra with the active cooperation of Ramkrishna Mission Vidyapith, Purulia.

- To disseminate information about job prospect through the placement cell.
- To look after the problems faced by the students through the counselling and grievances redressal cell.
- To allocate budget to the department as per their requirement and necessity.
- To take care of proper and effective utilization of its resources specially human resources and material resources, for the attainment of its desired target of academic excellence.

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

Representative of the faculties take part in the management.

- Different committees have been formed with specific assignment with the inclusion of teaching and non-teaching staff in it.
- These committees execute the assigned job for the academic, administrative and student welfare activities.

6.1.6 How does the college groom leadership at various levels?

The college adopts various practices for effective execution of leadership at various levels.

- Prospective students have the option for online submission of forms. But, as the college is situated in the remote district of West Bengal, the option of submitting form is yet to be fully fledged.
- Continuous evaluation of the academic routine of the teachers.
- Departmental autonomy is given for the need based purchase and issue the purchase order to the respective companies or vendors after being forwarded by the principal.
- College office is fully computerized.
- All departments are computerized & connected through LAN with the College Data base server.
- Central Library of the college is computerized and coding system is in operation. CC TV has been installed in the library to monitor and control the students in the library.
- The college observes Independence Day, Republic Day, Teachers' Day, every year. This year the 150th birth anniversary of Swami Vivekananda was observed and in this respect NSS conducts various programmes to impart high morale to the students.
- Students' Union use to celebrate the Freshers' Welcome for the newly admitted students and also arrange social function.
- College prospectus & calendar are circulated to the students. Students can know all the events that will occur in the coming days and prepare themselves for those events.

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 college delegates authority and provide operational autonomy to the departments and ensures decentralized governance system in the following way:

- Terminal and test examination
- Cultural activities
- Setting up the departmental library
- Feedback from the students
- Operational autonomy regarding departmental infrastructure.
- Purchase of departmental books, journal funded by the UGC.
- Allotment of special classes for the academically poor students, if necessary.

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

The college promotes the culture of participative management. This participation management is ensured through:-

- Teaching, Non-teaching & student representative in the Governing Body.
- Teaching, non-teaching members are also included in different sub-committees like Finance Committee, Purchase Committee, Library Committee, Prospectus & Academic Sub-Committee.
- The Governing Body President meets regularly with the teaching & non-teaching staff to get the feedback and make policy and programmes accordingly.

6.2 Strategy Development and Deployment

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

The institution has a formally stated quality policy in the form of academic and other related matters and is displayed in the prospectus and

college website. This includes the university examination, the university toppers' list, inter-collegiate sports meet, attendance percentage, year-wise comparative examination result.

The aforementioned policies are developed, driven, deployed and reviewed in each and every year by the respective committees.

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

The institute has a perspective plan for development in the field of academic and socio-cultural spectrum by

- Setting up e-class room for the benefits of teachers and the taught.
- Providing departments for humanity subjects also.
- Expanding social service schemes.
- Inculcating the sense of research work at the grass root level among the students of commerce after introduction of project in its curricula.
- Introducing career counselling, remedial courses to mitigate the demands of the meritorious but needy students.
- Organizing blood donation camp by the NSS
- Introducing various types of cultural programmes.

6.2.3 Describe the internal organizational structure and decision making processes.

The college adopts the internal organizational structure of decision making process in the following way:

- The Governing Body of the college is the apex body which acts as the supreme authority of the college and it makes plans and policies and

takes decisions and finally evaluates those after its proper implementation and execution by the various committees.

- Teachers' Council being the academic advisory body of the college administration takes decision and recommends to the Governing Body for its approval.
- There are other matters relating to admission, examination, finance, purchase which require the decision to be taken by the respective committees and to get its final approval from the Governing Body.

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

- Teaching & Learning
- Research & Development
- Community engagement
- Human resource management
- Industry interaction

Teaching & Learning

- Thrust area should not be confined to mere physical presence of the students but it should be sheer mental involvement of the students in the class room.
- Issue of academic calendar amongst students at the beginning of the new session which includes among many the schedule of college examination, etc.
- Teachers' Council off & on reviews the overall academic scenario of the college and suggests ways to improve it qualitatively.
- Introducing scientific innovation in the existing programmes.

- Need- based coaching facilities for competitive and entrance examination for the students under UGC schemes.

Research & Development

- Modernization of laboratories
- Smooth running of minor and major research project under the UGC scheme.
- Inculcating the very necessity of research work among the students by introducing projects and assignment.
- Publication of college journal, arrangement of seminar lecture.
- Community Engagement
- The college holds through its NSS wings a number of community development programmes. This programmes are initiated for the adopted villages which are economically and socially downtrodden.

Human Resource Management

Human resource is the most precious resources in any organization. Our institute has been trying since long years back the effective and efficient use of this resource for creating good academic atmosphere. This is followed through-

- Performance evaluation of the staff members
- Providing staff welfare schemes
- Providing infrastructural facility both for the teachers and the taught.
- Educate the staff in computer to develop operational skill.
- Encouragement to the faculties to pursue academic courses.

Industry Interaction

- In view of the change in the course curricula, specially in commerce the college has been keeping contact with neighbouring industries to facilitate students exposure to the latest industrial and technological developments.
- The students of field based subjects like Geology, Zoology, Botany get exposures when they visit various region for their field work.
- Few departments have been keeping contact with its associated industry and try to give exposures to their student for further development and practical knowledge.

6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

The head of the institution ensure that adequate information is available for the top management in the following way:-

- Gathering information after interaction with the students
- Student feedback
- Recommendation from the various committees.
- Occasionally guardians' meet (Institutionally and Departmentally).

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

The teachers are constantly encouraged to participate in the seminar, present the paper in the seminar, write for the college journal, national and international journal.

- Infrastructure is provided to the teachers for their ongoing research activities and carrying out their projects.
- As staff are the part and parcel of this college, each and every efforts is initiated for their involvement not only in class room or in the office room but to help administration in every form.
- Management encouragement in this respect is possible because there exist a cordial relationship among students, teaching and non-teaching staff. Neighbouring people also extend help to improve the effectiveness of the academic atmosphere of the college.

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

The college administrative body has made a number of resolution on academic, administrative, financial and other important matters and adopted resolutions have been properly implemented.

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If 'yes', what are the efforts made by the institution in obtaining autonomy?

No, the college has yet to apply or make an attempt for autonomy.

6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholder relationship?

A congenial atmosphere is prevailing in the institute for good academic atmosphere and also there exist cordial relationship among student and staff. As a matter of fact, if there is any grievances or complaints, that is properly communicated to the authority without any hesitation.

- If the quantum of grievances or complaints is more, than it will have to be redressed by the concerned committee for it amicable solution.

6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

Such instances is tabulated below:

Court Case filed by	Against whom the case was filed	Subject in brief	Court	Case No.	Verdict
Dr Anil Chakraborty	Principal Secretary, Higher Edn. Dept, Govt of WB in which college was a party.	Pension and other benefits	Division Bench of Calcutta High Court	RVW – 3 with FMA 1192 of 2009	The review application has no merit and the same is hereby dismissed. However this will not prevent the petitioner to approach authority for release of service benefits.
Dr Anil Chakraborty	Principal Secretary, Higher Edn. Dept, Govt of WB in which college was a party.	Contempt of court case in connection with Pension and other benefits	Calcutta High Court	CPAN – 1136 of 2013	Date of hearing will be announced soon.

Court Case filed by	Against whom the case was filed	Subject in brief	Court	Case No.	Verdict
Prof Abu Sufian	State of West Bengal, in which college was a party.	Removal from the post of Teacher –in – Charge , J K College, Purulia	Calcutta High Court	7429 (W) of 2012	Without going into the merit of the case and in view of the compromise arrived between the parties the petition of compromise (CRR No. – 665 Of 2013 and CRAN No. 1023 of 2013) accepted.
College	Prof Abu Sufian	Not handing over the keys of almira's containing college documents.	Purulia Town PS	Fir No. – 104, Dated 1.8.2012	The impugned FIR along with all subsequent proceedings is quashed.
College	State of West Bengal	Not handing over the seized articles in connection with Fir No. – 104, Dated 1.8.2012 though the cases have been quashed.	Calcutta High Court	WP. No. 27901 (W) of 2013	Court ordered for handing over the seized items within 2 days. Case disposed after complying the order by the state.

6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If ‘yes’, what was the outcome and response of the institution to such an effort?

Yes. The student feedback is properly analyzed and reviewed, the shortcomings are identified and corrective measures are taken to prevent the recurrence of the same in future.

6.3 Faculty Empowerment Strategies

6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?

The teachers are encouraged to attend different seminars, conferences, symposium as mere participant to gather knowledge or even as resource persons. Faculties are also encouraged to attend orientation courses, refreshers courses conducted by the UGC for academic upliftment. The college has been providing good Lab facility for the setting up good infrastructure and this will make room for positive motivation of the teachers. The teachers are also encouraged to conduct minor and major research programme. In few cases teachers have been granted leave for ongoing Post Doctoral Research. One of the teachers of our college was granted leave under FIP to carry out his Ph. D degree.

- The departments are also encouraged to organise seminar. The teachers of various departments use to participate in the seminar. Non-teaching staff also take part to educate themselves about the latest development in the society.
- Non-teaching staff upgrade themselves through regular interaction with the Head Clerk, accountant and the Principal. They also get in

touch with their Governing Body representative about the decision taken in the Governing Body.

6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

The faculties are encouraged to attend the seminars and conferences, they are also encouraged to attend orientation programme and refresher courses conducted by the UGC for their academic up-gradation.

- Infrastructure is provided to the teachers for carrying out research work, minor and major projects.
- Programme Officers of NSS are encouraged to attend the orientation programme conducted by the affiliated universities.
- Motivational classes are also arranged by the NSS with the joint collaboration of Ramkrishna Mission Vidyapith, Purulia to build up character and morale both for the stake holders and teachers.
- Seminars are organized by the departments for the interaction among teachers of various institutions and this will pave the way for knowledge gaining.

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

Performance appraisal system of the staff specially for the teachers is in vogue. It is initiated through student feedback at the time of test examination of the outgoing students.

- Few faculties also try to get feedback from their student in the classroom.
- The evaluation is properly assessed and measures are taken, if need be, to improve teaching -learning process, in order to build up ideal academic atmosphere.

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

The grass root level information is periodically received. Different committees discuss and make some recommendation for the vertical improvement of academic atmosphere.

- Teachers' Council, the academic advisory body often meet together to discuss academic matters of the students and the outcome is conveyed either by the departmental teachers or by giving notice to the students.

6.3.5 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

Various forms of welfare schemes are available both for the teaching and non-teaching staff.

- General provident fund for the permanent staff.
- Co-operative credit society for the permanent staff.
- Advances for Pujas are given not only to the permanent staff but also to the contractual and part-time staff.

- Medical unit has been running successfully in the college. Two doctors visit twice a week for medical check-up.

Our staff are very eager to run the aforementioned schemes which ultimately make them loyal to the institute.

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

Good academic atmosphere supposed to be the key to attract and retain eminent faculties. The college has been trying its level best to maintain and develop its academic atmosphere. There is a number of factors for which the college is attracted by the eminent faculties.

- Good relationships between teachers and the taught.
- Good academic atmosphere.
- Democratic leadership
- Departmental autonomy
- Availability of all sorts of modern facilities.
- Both teaching and non-teaching staff work together as a cohesive group just to attain academic supremacy.

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?

The college adopts different mechanism to monitor the effective and efficient use of financial resources. The utilization of financial resources is being monitored by the Accountant, the Bursar and above all prior authentication and authorization of the Finance Committee.

Each purchase is allowed after inviting proper quotation. In some cases, departmental autonomy is given for purchase of items of meager amount.

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

The college accounts are audited regularly. So far as internal audit is concerned a team consisting of Accountant, Bursar, member of Finance Committee, Principal evaluate the preparation of accounts. This system of maintaining accounts paves the way for error free accounts and it will be easier for the external auditor to conduct college audit very smoothly.

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

The major sources of institutional fund is obtained from the State Govt. under Grant-in-aid schemes, as well as grant received from the UGC. Another important sources of institutional fund is students' fee. But, as per the new order of the state government 50% of this fee will have to be deposited to the Govt. exchequer.

The detailed audited income and expenditure statement is provided in the following Tables:

STATEMENT OF INCOME & EXPENDITURE ACCOUNT FOR THE YEAR 2009-10

EXPENDITURE	Amount	INCOME	Amount
To Salary & Allowances	26,219,612.00	By Tuition fee,adm.fee,annualchgs etc.	4,731,660.00
To Contingent Expenses	1,092,239.00	By Miscellaneous receipts	341,205.00
To Trust Fund Expenses	500.00	By Maintenance Grant(Pay Packet)	26,325,076.00
To Science Lab. Charges	232,645.00	By Interest on S/B Accounts & FDR	663,539.00
To Repair & Maintenance	384,143.20		
To Audit Fee	3,860.00		
To Rates & Taxes	12,000.00		
To Depreciation	1,116,598.00		
To Excess of Income over Expenditure Transferred to General Fund	2,999,882.80		
Total	32,061,480.00	Total	32,061,480.00

STATEMENT OF INCOME & EXPENDITURE ACCOUNT FOR THE YEAR 2010-11

EXPENDITURE	Amount	INCOME	Amount
To Salary & Allowances	38,500,661.00	By Tuition fee,adm.fee,annualchgs etc.	5,223,015.00
To Contingent Expenses	1,813,850.30	By Miscellaneous receipts	446,284.00
To TA/DA	4,200.00	By Maintenance Grant(Pay Packet)	34,127,864.00
To Science Lab. Charges	253,041.00	By Interest on S/B Accounts & FDR	919,722.90
To Repair & Maintenance	450,518.00		
To Audit Fee	3,933.00	By Excess of Expenditure over Income Adjusted from General Fund	1,739,286.40
To Depreciation	1,429,969.00		
Total	42,456,172.30	Total	42,456,172.30

STATEMENT OF INCOME & EXPENDITURE ACCOUNT FOR THE YEAR 2011-12

EXPENDITURE	Amount	INCOME	Amount
To Salary & Allowances	38,779,500.00	By Tuition fee,adm.fee,annualchgs etc.	4,869,705.00
To Contingent Expenses	2,207,040.00	By Miscellaneous receipts	548,875.00
To Trust Fund Expenses	2,000.00	By Maintenance Grant(Pay Packet)	37,133,128.00
To Repair & Maintenance	1,284,191.00	By Interest on S/B Accounts & FDR	1,567,084.00
To Audit Fee	3,933.00		
To Rent & Taxes	108,340.00	By Excess of Expenditure over Income	
To Depreciation	2,422,541.00	Adjusted from General Fund	688,753.00
Total	44,807,545.00	Total	44,807,545.00

STATEMENT OF INCOME & EXPENDITURE ACCOUNT FOR THE YEAR 2012-13

EXPENDITURE	Amount	INCOME	Amount
To Salary & Allowances	39,465,717.00	By Tuition fee,adm.fee,annualchgs etc.	3,237,793.00
To Contingent Expenses	2,851,202.18	By Miscellaneous receipts	1,113,919.00
To Science Lab Charges	260,974.00	By Maintenance Grant(Pay Packet)	38,765,241.00
To Repair & Maintenance	445,764.00	By Interest on S/B Accounts & FDR	1,133,509.00
To Audit Fee	3,933.00	By Excess of Expenditure over Income	
To Depreciation	2,719,650.00	Adjusted from General Fund	1,496,778.18
Total	45,747,240.18	Total	45,747,240.18

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

The college has been trying its level best to secure additional funds by approaching to the local MLA, MP, NRI (who are supposed to be the alumni) or even approaches to the well wishers for the expansion and development of this college to establish itself as a premier institute in this region.

6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

- a. Has the institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?**

The institution has established an Internal Quality Assurance Cell (IQAC) for academic excellence. This cell is activity engaged for smooth running of academic atmosphere including suggestion for infrastructural improvement, resource mobilization, giving emphasis on quality rather than quantity.

IQAC sits and monitors the overall performances and also review the entire scenario of the institution. Setting up the IQAC made every staff of the college cautious and conscious. It stands as self- control of the staff. Each and every staff is aware of his or her responsibility and work accordingly.

- b. How many decisions of the IQAC have been approved by the management/ authorities for implementation and how many of them were actually implemented?**

The Governing Body approves the most of the recommendations of IQAC.

- 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 its committee. They often recommend some good suggestions.

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

The ultimate effect of setting up the IQAC is the promotion of good academic atmosphere and to make an impact in the society.

As per the recommendation of the IQAC, every effort is initiated to improve class teaching, interaction with the students, getting feedback, terminal examination, reviewing the result, organizing seminar, group discussion, debates and thereby enriching the quality education. Students often send their suggestion to IQAC through their feedback.

e. How does the IQAC communicate and engage staff from different constituents of the institution?

IQAC makes a positive communication to make an impact of qualitative improvement of academic atmosphere. This is ensured because all the departments make a wholehearted effort to make it a successful IQAC.

6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If 'yes', give details on its operationalisation.

Yes, the institution has an intergraded frame work for quality assurance of academic and administrative activities.

Departments often make some new recommendations to be put forwarded to the Principal or the IQAC core committee. IQAC then analyses, reviews and approves those recommendations and awaits the approval of the governing body.

6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If ‘yes’, give details enumerating its impact.

Yes, the institute made several programme for largely informal training to its staff for effective implementation of the quality assurance procedure.

- Informal training is regularly provided to the administrative staffs for successful running of the College Administrative Software.
- The college installed its LAN and server system in the recent past. For maintenance and smooth running of the system formal training is provided to the staffs and teachers of Computer Science Department. The training has been provided by the Service Provider.
- Informal training is provided to the laboratory attendants of various departments for maintenance and smooth running. The training is given by the teachers.
- Informal training is given by the Librarians to the support staffs for library functioning.
- Informal training has been given to the staff for Generator maintenance.

6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If ‘yes’, how are the outcomes used to improve the institutional activities?

The academic audit is yet to be sought. Discussion is going on regarding this audit.

But, the institution is always reviewing the academic results and constructive suggestion to improve the academic result is highly appreciated.

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

The suggestion and recommendation of IQAC, have been sent to the Governing Body for its approval. The College Authority is trying to make a balance between the recommendation of IQAC and relevant EQAA keeping in mind the available resources, infrastructural and stark reality.

6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

Academic atmosphere is always monitored and updated. It is monitored through different institutional mechanisms like class test, terminal examination, debate, group discussion etc.

The results are discussed in the IQAC, and suggestion and recommendation are sent to the concerned departments for its follow up action. Often intra-departmental meeting is convened to review and make an action plan for future qualitative improvement of teaching-learning process.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders? Any other relevant information regarding Governance Leadership and Management which the college would like to include.

The institute communicates its quality assurance policies to the stakeholders through;

- Holding meeting
- College prospectus
- Wall up the notice
- Last but not the least the college website www.jkcprl.ac.in.



C. Criteria-Wise Inputs

CRITERION VII:

Innovations and Best Practices



7.1 Environment Consciousness

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

The college has not conducted any official Green Audit by any external agency as yet. However, constant efforts are being made to maintain the greeneries of the campus and to preserve the old trees of considerable value that generate fresh air – a thing which is highly recommendable for maintaining healthy atmosphere and ecology of an institute of repute, shaping the minds of the youths with great potentials.

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

Energy conservation

- Initiative is taken by the college to install a solar panel to generate hot water which can be used in the Physics and Chemistry laboratories.
- Solar energy can be stored as electrical energy thereby reducing the electricity consumption.

Use of renewable energy

- A part of the college campus may be lit by solar street-lights.

Water harvesting

- Rain water is collected from the roof of the college buildings and channelised towards the pond which may be used for watering the gardens maintained by the college during summer – a time of intense water scarcity in Purulia.

Check dam construction

- Not applicable.

Efforts for Carbon Neutrality

- Cutting down standing trees on the college ground has been strictly prohibited so as to prevent carbon emission which can be regarded as a first step towards the achievement of carbon neutrality.
- The college has installed two high-grade generators which supplements the electricity supply during power-cuts keeping the carbon emission at a bare minimum.

Plantation

- The NSS volunteers plant trees within the campus from time to time that maintains biodiversity and facilitates carbon sequestration as well.
- The gardens of the campus are maintained by paid staff under the supervision of the college authority.

Hazardous Waste Management

- Solid wastes are disposed in closed containers stationed at various points within the college premises which are regularly cleaned away by paid staff.
- Hazardous effluents from the Chemistry laboratory are disposed in the pits dug in the ground and covered safely so as to prevent the environment from any harm.
- Initiatives are being taken to make fresh purchases of equipments that are bio-degradable.

e-waste management

- E-wastes are stored in a separate area within the college which are to be disposed with the municipality at regular intervals.

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.

- Eco-friendly approach for using of server database for record keeping, enable us for less use of papers.
- The college has taken the initiative to generate organic manure by natural processes which is likely to be devoid of the harmful chemicals found in marketed inorganic fertilizers.
- The College authority is mulling over to install CC TV in the library and at the main entry point for proper surveillance of its valuable resources.
- Automation of the Central Library is on the verge of completion.
- The college has subscribed to the INFLIBNET facility so as to promote an easier access to the national and international journals for furthering the research interests of the faculty.
- The college has built an e-class room where various state-level and national-level seminars are conducted to the advantage of the students and teachers alike.
- New methods are on the anvil to produce distilled water within the college premises itself.
- Keeping up of Teachers' class record and Students Attendance in the same register, on line in the data base server.
- Approach is taken for keeping the all-round information of a registered student, having unique roll no., especially, his/her entry level academic record, class record, College examination performance and university examination performance will be stored in the data base server, through the terminal given in the department.

- Introduction of Grievance Redressal Cell, Career Guidance Cell, sexual harassment cell and anti-ragging cell.

7.3 Best Practices

7.3.1 Elaborate on any two best practices which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

Best Practice

1. Title of Practice

Bacteriological Examination of College Drinking Water by Multiple Tube Fermentation Test and detection of coliforms to determine the water purity.

2. Goal /Aim

- To become familiar with the types of microorganisms present in the drinking water of the college.
- To determine the potability of water using both standard qualitative and quantitative procedures.
- To supply pure drinking water to the students and teaching and non-teaching staff of J.K COLLEGE and to make them aware whether the drinking water is potable or not.

3. The Context:

The importance of Potable (drinking) water supply should be overemphasized because water has become a formidable factor in disease transmission such as intestinal tract infection ,typhoid fever, bacillary dysentery, cholera, jaundice e.t.c. In 2003, the department of

Microbiology decided not to restrict the water testing process to a one-time affair as required by their Honours syllabus, but to make it a regular practice so as to examine the various microorganisms that germinate and proliferate in the drinking water provided by the college with the change of seasons and passage of time. In 2003 , after M.P.N test of college drinking water it was found that bacterial load was high and it was not potable without tertiary treatment. But now after taking necessary treatment and installation of water purifier bacterial load has been reduced in drinking water.

4. The Practice:

- Different Water Samples from different places (like canteen, office, common room) are collected in sterile container.
- Different strength of Lactose broth (double strength 2X) and (Single Strength 1X) are prepared in test tube and labeled properly as 10ml 2X , 1ml 1X, & 0.1ml 1X.
- After sterilization of the entire required media water sample is mixed properly by shaking.
- Aseptically 10 ml of water sample is inoculated in 2X LB(10ml) using sterile 10 ml pipette in 5 test tube.
- Aseptically 1 ml of water sample is inoculated in 1X LB(10ml) using sterile 1 ml pipette in 5 test tube.
- Aseptically 0.1 ml of water sample is inoculated in 1X LB(10ml) using sterile 0.1 ml pipette in 5 test tube.
- All the 15 inoculated tubes are incubated aerobically at 37.5⁰ c for 24 hours.
- All the LB tubes are observed after incubation for acid & gas production & MPN is detected from standard MPN table

5. Evidence of success

Since 2003 regular verification of the MPN INDEX of the college drinking water have been made and high bacterial loads (whenever found) have been treated by tertiary processes such as chlorination of the reservoir tank, addition of lime, etc. In the year 2005 the college authority installed an advanced water purification system in the Teachers' Common Room. In recent past, we installed many water purifier machines (aqua spring R.O) in various places in college premises for the sake of good health for all.

6. Title of Practice

Production of Organic Manure

7. Goal /Aim

- To make the campus eco-friendly
- To spread the message of organic cultivation.
- To substitute the hazardous chemical and synthetic manures.
- To help villagers to use organic manure.

8. The Context:

The on-growing use of chemical and synthetic manure in cultivation causes hazardous diseases and environment pollution. Most of the students in the college are from villages. To make them concerned about the utility of the use of organic manure in cultivation the NSS units of the college have taken this initiative to teach them how to produce organic manure at home. The waste bio-materials such as green leaves, grass etc are used for this. The manure thus produced are used in nurturing the

gardens, plants in the campus and then supplied to the villagers to some extent.

9. **The Practice:**

- Waste bio-materials are collected from different place (like canteen, office, common room).
- The weeds, grass, leaves from the gardens, trees are collected.
- They are piled up in a thickness of 10 inches in the ditche made for this purpose. Then 500g of uria are spread over this.
- Over this two more such layer are stack.
- Finally a layer of cow dung are given .
- Then the whole arrangement is left covering with plastic for 45 days.
- After 45 days the whole arrangement is shifted to another ditch but in the reverse order and again a cow dung layer are given and left for another 45 days with a plastic cover.
- In the mean time the former ditch is filled up following the same technique.
- After 90 days fresh organic manure is produced and are ready to be used.

10. **Evidence of success**

So far we have trained more than 200 students by hand and they are now capable of producing organic manure by themselves. Thus more and more students as well as villagers will be trained year after year and we will be able to get healthy vegetables in our kitchen one day.

Evaluative Report of the Department : Bengali

1. Name of the department : Bengali
2. Year of Establishment : B.A. Pass Course – 1953-1954
B.A. Hons. - 1995-1996
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG
4. Names of Interdisciplinary courses and the departments/units involved : N.A.
5. Annual/ semester/choice based credit system (programme wise) : Annually
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 : N.A.
9. Number of Teaching posts

	sanctioned	Filled
Professors		
Associate Professors		2
Asst. Professors	03	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 years
Dr. Dilip Kumar Banerjee	M.A., Ph.D.	Associate Professor	Modern Literature	17 yrs	3
Dr. Ashok Chattopadhyay	M.A., Ph.D.	Associate Professor	Rabindranath	30 yrs	5
Prof. Mahadeb Das	M.A., M. Phil	Assistant Professor	Katha Sahitya	12 yrs	Nil
Mr. Paltu Deogharia	M.A.	Part-time	Katha Sahitya	4 yrs	Nil

11. List of senior visiting faculty : N.A.
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : 15%
13. Student -Teacher Ratio (programme wise) : 70: 1 (Hons.) & 250: 1 (General)
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. – 2
M.Phil - 1
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: All nil.
17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received : 2 (UGC) and submitted Rs. 286000/-
18. Research Centre /facility recognized by the University: Nil
19. Publications:
* a) Publication per faculty

PUBLICATIONS:

Dr. Ashok Chattopadhyay

BOOKS:

1. Chaitannyo Bhagabat (Edited)
2. Chaitannyo Charitammrita (Edited)
3. Yogayog ((Edited)
4. Kachhe ele Bhalobasle Ki (Poetry)

Dr. Dilip Kumar Banerjee

1. Gnayer nam parab,1985, a collection of poetry in the regional language of Purulia, shabdo, kol.
2. Basok lipika, 1988, a collection of poetry in Bengali, Beej, kolkata.
3. Eto baro lodi, 1989, a collection of poetry in the regional language of Purulia, Beej, kolkata.

4. Tatostha, 1992, a collection of poetry y in the a collection of poetry in Bengali, Beej, kolkata.
5. Uttor adhunik kabyochtoenar bhumika,(edited) 1993, a collection of articles on poetry, Beej,kolkata.
6. kamranga ranger pasha,1997, a collection of poetry in Bengali, Chatimtala, Purulia.
- 7.Chand o udbhid, 2004, a collection of poetry in Bengali, Natmandir, Purulia.
- 8.Mayakabita,2005, a collection of articles on poetry, Anapekkho, Ranigunge.
- 9.Bhor rattirer debi, 2010, a collection of poetry in Bengali, Astrik, kolkata.
10. Bangla chando shiksha, 2010, a text book of prosody, Books En Books, kolkata.
11. Kak pakhider akash, 2011, a collection of poetry in Bengali, Astrik, kolkata.
12. Bangla alankar shiksha, 2011, a text book of rhetoric, Books En Books, Kolkata.
13. Bisadsindhu, 2011, a verse-novel in Bengali, Parampara, Kolkata
14. Adhunik bangle kobita : soiligato nana matra,2012, a book of criyicism on Bengali Poetry, Parampara, Kolkata.
15. Ekta molin khoi,,2012 a collection of poetry in Bengali, Parampara, Protivas, Kolkata.

PAPERS :

1. Debdas Acharyor kokita, 1987, , Critical appreciation of Debdas Acharya's poetry, Beej.
2. Jibaner, chirajibaner gan,1987, , Critical appreciation of Amitava Gupto's poetry, Beej.
3. Shunya bhara lal alo,1988, Critical appreciation of Manindra Gupto's poetry, Do.
- 4 Charyapad o kabitar ami, 1988, An article on Charyapada, Samprato, Siliguri.
5. Sudhin Dutter kabita : nastir rupabayab, 1989, Critical appreciation of Sudhindranath Dutta's poetry, Beej.
6. Bhashao andhakar hoye elo, Critical appreciation of Kalikrishna Guha's Poetry, Beej.
- 7.Jibanananda Dasher kabyobhasha : punarukti, 1991, Departmental Journal, Deptte of Bengali, Jadavpur University.

8. Uttar adhunik kabita: Shabdo o sangathan, 1992, an article on Uttar adhunik Bengali Poetry, Beej.
 9. Panguta o amader mayakabitara, 1992, an article on modern poetry, Beej.
 10. Panguta o ekti juddhachaya anchal, 1993, an article on modern poetry, Beej.
 11. kabita para kabita parano, 1997, an article on modern poetry, Anubhab.
 12. Khudhito ajasro hatchani, 1997, Critical appreciation of Sukanta Bhattacharya's Poetry. Gangeyapatra.
 13. Shakti Chattopadhyayer kabita : Bhashar janala, 2002, Critical appreciation of Shakti Chattopadhy's poetry, Coddosho sal.
 14. Se kothay dirgho ikerer, 2002, an article on Bengali spelling, Anubhab.
 15. Asantosh o kabir Shabdobhandar, 2004, an article on the language of poetry, Tirpurni.
 16. Sandipan Chattopadhyayer godyo : Kathashorir kabitashorir, 2005, an article on Sandipan Chattopadhyay's prose, Prakritojan.
 17. Sutapa Senguptor kobita, 2006, Critical appreciation of Sutapa Sengupto's poetry, Amritalok.
 18. Bebh. Anjan Sener kabita ander dola, 2007, Critical appreciation of Anjan sen's poetry, Astrik.
 19. Puruliar anchalik bhashar kabita, 2010, an article on the poetry in the Regional dialect of Purulia, J. K. Times.
 20. Shater kabita : Bichitrer bishad, 2011, an article on the Bengali poetry of sixties, Madhyaborty.
- And many more papers.

Prof. Mahadeb Das:

BOOKS

- 1) "Maloti punthi" Rabindra-smaran –sankalan 2010
- 2) "Maloti punthi" Rabindra-smaran –sankalan 2011

PAPERS:

- 1) "Naksha sahityer dharai hutom pancher naksha": J.K. Times vol-I, 2005

- 2) “Tarasankarer chhotogalpo : Lokayata banglir manas darpan”: :Papaer submitted R.B.U.(RC.on Kathasahitye bangle, nov.2005)
 - 3) “Puruliar jhumurgan:Samaj o sahitya”: J.K.Times vol-II Jul, 2008
 - 4) “Madhyabartini:Niteer katha”:Bangla chhoto galpa: Rabidranath o Uttarkal Dept. of Bengali Nistarini College,2009
 - 5) “Bango koutuk: Rabidra – Ranger Sandhane”:Maloti punthi ,Dept. of Bengali, J.K. College , 2010
 - 6) “ Naksha o anyanna banga chitra”: J.K.Times , vol-IV ,2010
 - 7) “Sharat chndrer Abhagir swarga o Munshi Premchandrer Sadgati ak nisthur basbatar pratichhabi”:Papaer submitted ASC B.U.(R.C.on comparative Literature 2010)
 - 8) “Sahityer Sabar : Bastaber Sabar” – Ekti Anuchita .Pathsala 2011 Vol – I Pathsala Production, Sekhar para Lane,Howrah -7111104
- * 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 : 11
 - * Books Edited : 7
 - * 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: All 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 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 - 1 (UGC)

- b)International- Nil

26. Student profile Programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected / Admitted	Enrolled		Pass percentage
			*M	*F	
2010 - 2013	Central Counselling System	52	40	12	84.44%
2011- 2014		62	42	20	-
2012-2015		66	48	18	-
2013 - 2016		70	53	17	-

*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. (H)	100%		
B. A. (General)	100%		

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

No systematic record has yet been kept, but many students qualified in different Administrative Services examinations and other competitive examinations, including NET, SLET, GATE & School Service Commission Examinations.

29. Student progression

Student progression	Against % enrolled
UG to PG	90%
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 	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- a) Library : Nil
- b) Internet facilities for Staff & Students : Available for Staff & Students.
- c) Class rooms with ICT facility : Nil
- d) Laboratories : N.A.

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

Among existing students of the department, 45 students are availed Full / Half free-ship from college and 37 students from SC/ST/OBC categories are availed financial assistance from, government or other agencies.

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

33. Teaching methods adopted to improve student learning : Interaction Method

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

Many students participated in NSS, NCC and Games and sports, Essay competition, Mock parliament etc.

35. SWOC analysis of the department and Future plans

Strength-

- The entry level in the department with quite satisfactory scores.
- The motivation to the students is ensured by the dedicated faculty members with modern teaching methodologies.
- Rich library
- Good infrastructure of the college including clean and quiet environment
- Extra class and student communication
- Informal teacher-student relationship.
- Good interpersonal relationship among faculty members.
- Every year we get a good number of sincere students who perform well in University examinations.

Weakness-

- Department are overburdened so far as student-teacher ratio.
- Shortage of fulltime faculties.
- Lack of access to libraries outside the campus.
- Unavailability of classrooms dedicated to use by the department.
- Lack of microphone in classroom.
- Lack of visual aids in classrooms.

Opportunity-

- To use the scope provided by academic autonomy to develop
- Excessive texts or exams, in interactive and interesting ways.
- Collaboration efforts
- A good number of students are placed through School Service Commission, W.B. and College Service Commission, W.B.
- A good number of students are placed in different kind of Govt. and non Govt. jobs.

Challenge-

- To evolve as a centre of excellence with academic flexibility so that faculty members can recharge themselves and students gain recognition and reward.
- To use the low student-teacher ratio to full effect so that infrastructure is completely and effectively utilised.
- To obtain the allotment of an ISBN/ISSN so that the department may issue its own journal to which contributions by eminent academicians, researchers, and teachers, may be sought.

Evaluative Report of the Departments: BOTANY

1. Name of the department-BOTANY
2. Year of Establishment-Inter science course:1955-56
B.sc General course-1969-70
Hons in Botany-1998-99
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):- UG: B.Sc Honours & General in Botany
4. Names of Interdisciplinary courses and the departments/units involved-None
5. Annual/ semester/choice based credit system (programme wise)-Annual
6. Participation of the department in the courses offered by other departments- Environmental studies
7. Courses in collaboration with other universities, industries, foreign institutions, etc.-None
8. Details of courses/programmes discontinued (if any) with reasons -None
9. Number of Teaching posts

	sanctioned	Filled
Professors	NIL	
Associate Professors		2 (CAS)
Asst. Professors	3	

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

Name	Qualification	Designation	Specilization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Sujit Ghosh	M.sc, M. Tech Persuing PhD	Associate Professor	Cytology and Gemetics and plant Breeding	15 yrs	NIL
Samir kumar Karmakar	M.,sc,Ph.D	Associate Professor	Palaeobotany and Palynology	13 yrs	NIL
Snehasis Gorain	M.sc	Guest Lecturer	Cytology and Crop improvement	1 yr	NIL
Debdas Mukhuti	M.sc	Guest Lecturer	Mycology and Plant pathology	1 yr	NIL
Rini Gorai	M.sc	Guest Lecturer	Molecular pathology and Virology	1 yr	NIL

11. List of senior visiting faculty: Manoranjan Bhattacharya-M.Sc

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

Course of-UG	Temporary Faculty (%)
1 ST Year	68%
2 nd Year	67%
3 rd Year	69%

13. Student -Teacher Ratio (programme wise):- 32 : 1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:-
- | | | |
|---------------------------|--------------|----------|
| i) Technical staff- | Sanctioned-1 | Filled-1 |
| ii) Administrative staff- | N.A. | |
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.
Ph.D-1, P.G-1
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:- None
17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:- None
18. Research Centre /facility recognized by the University:- None
19. Publications:
- * a) Publication per faculty
 - 1) Prof.Sujit Ghosh-Articles published in international/National journals:
 8. Unravelling the microbial interactions in Coal Organics fermentation for generation of methane- A classical to metagenomic approach.
SUJIT GHOSH, P. JHA, A. S. Vidyaiithi Int. J. of Coal Geology.
Commnicated
 9. Assessment of microbial community involved in Biomethenation from formation water- A case stady in Jharia Coal bed basin through metagenomic approach.
P. Jha, Sujit Ghosh, A. S. Vidyarthi Biodegradation.
Commnicated
 10. Diversity and role of sulfate reducing prokaryotes communities in coal mines using metagenomics P. Jha. Sujit Ghosh, K. Mukherjee, Asish

Sachan, A. S. Vidyarthi.

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11. Question Answer on Environmental studies for Arts, Science & Commerce branches.

First Print, 2002

Maity Publication Keranitola, West Midnapur

- 2) Dr.Samir kumar Karmakar: Articles published in international/National journals:

Number of research papers published-04

i)S.K Karmakar and S.K Roy(1984) “Megaf flora from carbonaceous shade of Lower Gondwana sediments of Bankura District,West Bengal,India”-Proc.v Indian Geophytol.cont.Lucknow(1983).Spl.Publ.1984:116-118

ii)Swapna Das,Samir Karmakar and S.K Roy “Spore dispersae from carbonaceous shale in Barjora,Bankura district,India” Geophylogosy-18(2):169-172-1988

3. Pankaj K.Pal and S. K. Karmakar-“A new species of Pterophyllum from the upper Gendwana of Indian East Coast” Burdwan University Science Journal, Vol-4-5, 1987-88.

4. S. K. Karmakar and S. K. Roy- *Clavemonosnlcites Gondwanensis*, Gen.Et. sp. Nov.

From the Lower Gondwana Deposits of India.”Burdwan university science journal.Vol.4-5,1987-1988,Pages-3-6

* 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 : None

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards: Nil

b) Dr. S.K. Karmakar is a member of editorial Board of J.K.Times, published by
J.K. College

22. Student projects

Percentage of students who have done in-house projects including inter
departmental/departmental programme

i) UG Botany Honours-2nd year-100% in department

-3rd year-100% in department

b) Percentage of students placed for projects in organizations outside the
institution i.e. in Research laboratories/Industry/other agencies-None

23. Awards/ Recognitions received by faculty and students-None

24. List of eminent academicians and scientists/ visitors to the department-None
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 /Admitted	Enrolled		Pass percentage
			*M	*F	
Botany(Hons) 2010-13	Central	12	9	3	70%
Botany(Hons) 2011-14	Couselling System	18	11	7	-
Botany(Hons) 2012-15		14	11	3	-
Botany(Hons) 2013-16		21	16	5	-

*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
Botany(Hons) 2011-14	100%	0%	0%
Botany(Hons) 2012-15	98%	2%	0%
Botany(Hons) 2013-16	98%	2%	0%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

No systematic record has yet been kept, but many students qualified in different Administrative Services examinations and other competitive examinations, including NET, SLET, GATE & School Service Commission Examinations. Student progression

Student progression	Against % enrolled
UG to PG	80%
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 	
Entrepreneurship/Self-employment	

29. Details of Infrastructural facilities

a) Library:

Central Library

b) Internet facilities for Staff & Students : Available for staff and students.

c) Class rooms with ICT facility: Nil

d) Laboratories- Well equipped Laboratories.

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

Among existing students of the department, 12 students are availed Full / Half free-ship from college and 9 students from SC/ST/OBC categories are availed financial assistance from government or other agencies.

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

Seminar classes are held for all Botany students.

32. Teaching methods adopted to improve student learning:

Chalk and Black Board, Marker Pen and white Board, Overhead projector.

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

10% students (approx) participate participated in NSS, NCC and Games and sports, Essay competition, mock parliament etc.

34. SWOC analysis of the department and Future plans:

Strength:

- i. consistently good academic results with a number of 1st classes.

- ii. Ex-students of the department are working as faculty members and research scholars at different national and international institutes.
- iii. Overall good performance in the NET,SET etc. examinations by our students.
- iv. Excellent performances of our Ex- students in different competitive examinations for jobs(CSC,SSC)
- v. A large number of research papers published in various international journals by the teachers of the department.

Weakness:

- i. Shortage of regular fulltime teachers for a long time at our department.
- ii. No permanent non teaching post/staff at our department.
- iii. No permanent technical assistant post/staff for computer laboratory at our department.
- iv. Shortage of space in the class room to accommodate adequate students and facility.

Opportunity :

Interaction with people attached to higher studies and research work in Botany and different Botany related subjects (Agriculture, Forensic sciences, horticulture, etc.) including ex-students engaged in different Botany originated fields are very much helpful especially for students for their future morning. Establishment a research lab for Bioconversion of waste into fuel, up gradated of computer facility for metagenomic bioinformatics analysis, making of microbial constrain for commercial purpose form cod.

Challenges:

The challenge ahead of this department to perform with foresaid strength of department

- i) Preparation of modified laboratories
- ii) New methods for improvement of learning
- iii) Modern application of Botany to inform teach students

Future Plan:-

- i) Establishment a research lab for Bioconversion of waste into fuel.
- ii) Upgradation of computer facility for metagenomic bioinformatic analysis.
- iii) Making of microbial consortium for commercial purpose from coal.

Evaluation Report : Department of Chemistry

1. Name of the department: Chemistry
2. Year of Establishment: Inter Science course : 1955-56
B. Sc. Pass Course :1961-62
Honours in Chemistry : 1985-86
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG
4. Names of Interdisciplinary the departments involved: 05 (Mathematics, Physics, Zoology, Botany, Microbiology).
5. Annual/ semester/choice based credit system (programme wise): Terminal Examinations and sent-up tests for both B.Sc. Honours and B.Sc. General (Pass).
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		
Associate Professors	00	00
Asst. Professors	05	04

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

Name	Qualification	Designation	Specilization	No. of Years of Experience till March 2013	No. of Ph.D. Students guided for the last 4 years
Sanjukta Mukhopadhyay	MSc, PhD	Assistant Professor	Physical Chemistry	12 years	Nil
Lokesh Chandra Pati	MSc., PhD	Assistant Professor	Organic Chemistry	10 years	Nil
Anirban Panda	MSc., PhD	Assistant Professor	Organic Chemistry	3 years	Nil
Tanushree Sen	MSc., PhD	Assistant Professor	Physical Chemistry	3 years	Nil
Rinku Ganguly	MSc	Guest Lecturer	Organic Chemistry	2 years	Nil
Sovan Modak	MSc	Guest Lecturer	Physical Chemistry	2 years	Nil

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 33% of lectures delivered and 20% of practical classes.
13. Student -Teacher Ratio (2013) (programme wise):

Name of Programme	No of teachers	No of students
B.Sc. Honours (Chemistry)	06	49
B.Sc. General (Pass)	06	344

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: sanctioned 03 and filled 02.
15. Qualifications of teaching faculty with D.Sc / D.Litt/ Ph.D. / MPhil/PG.

With Ph.D. – 04 and With P.G. – 02 (guest lecturer)

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: one (2007-2009) of Rs. 90000/- granted by UGC NIL (After 2010)

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

Name	Publications
Sanjukta Mukhopadhyay	07
Lokesh Chandra Pati	05
Anirban Panda	15
Tanushree Sen	13
Rinku Ganguly	Nil
Sovan Modak	Nil

b) List of publication:

1. Semiclassical quantization via the uncertainty principle, K. Bhattachriya, Sanjukta Mukhopadhyay, Indian J. Phys. 2000, 74B, 55.
2. The uncertainty principle and a semiclassical nonlinear differential equation formulation for bound states, K. Bhattachriya, Sanjukta Mukhopadhyay, Chemical Physics Letters, 2000, 329, 289- 294.
3. Wilson-Sommerfeld Quantization Rule Revisited, K. Bhattachriya, Sanjukta Mukhopadhyay, R. Pathak, International Journal of Quantum Chemistry, 2001, 82, 113-125.
4. Comment on ‘Quantum-mechanical Carnot engine, K. Bhattachriya, Sanjukta Mukhopadhyay, J. Phys. A: Math. Gen. 2001, 34, 1529.
5. Bound states of Oscillators in Infinite and Finite domains: A Semiclassical Study, K. Bhattachriya, Sanjukta Mukhopadhyay, International Journal of Quantum Chemistry, 2002, 86, 330-341.

6. Error in an Approximate Wave Function and an Error Minimization Scheme, K. Bhattachriya, Sanjukta Mukhopadhyay, International Journal of Quantum Chemistry, 2004, 96, 492-500.
7. Confined Systems and the Modified Virial Theorem From Semiclassical Considerations, K. Bhattachriya, Sanjukta Mukhopadhyay, International Journal of Quantum Chemistry, 2005, 101, 27-32.
8. 'Stereocontrolled total synthesis of (\pm)- pisiferol and (\pm)-pisiferal', Lokesh Chandra Pati and Debabrata Mukherjee, Tetrahedron Letters, (45), 2004, 9451-9453.
9. 'A stereoselective total synthesis of (\pm)-pseudoclovene-B', Manuka Ghosal, Lokesh Chandra Pati, Arnab Roy and Debabrata Mukherjee, Tetrahedron, (58), 2002, 6179-6184.
10. 'A stereocontrolled total synthesis of (\pm)-zizaene', Lokesh Chandra Pati, Arnab Roy and Debabrata Mukherjee, Tetrahedron, (58), 2002, 1773-1778.
11. 'A stereocontrolled total synthesis of (\pm)-norzizanone', Lokesh Chandra Pati, Arnab Roy and Debabrata Mukherjee, Tetrahedron Letters, (41), 2000, 10353-10356.
12. Consumption of fluoride through drinking water and others: a Real threat to human beings – Lokesh Chandra Pati, J.K. Times, vol.6, 2013, page 1-8.
13. Transport of Excitation Energy in a Molecular Aggregate. VIII. Numerical imulation of Exciton Processes in Thylakoid Membrane, Panda, A.; Datta, S. N. Int. J. Quantum Chemistry, 2005, 105, 84.
14. Integrated Kinetics for the Production of Glucose in Plant Cells and the Effect of Temperature, Mehta, N.; Panda, A.; Sengupta, S.; Datta, S. N. J. Phys. Chem. B, 2006, 110, 10951; 2006, 110, 14524(ADDITIONS AND CORRECTIONS).
15. Unique Rate Expression for Glucose Production in C4 Plants, Mehta, N.; Panda, A.; Roy, A. S.; Datta, S. N. J. Phys. Chem. B, 2007, 111, 919.

16. Integrated rate expression for the production of glucose equivalent in C4 green plant and the effect of temperature Panda, A.; Datta, S. N. J. Chem. Sci. 2007, 119, 449.
17. Variation of H₂ bond length with magnetic field, Misra, A.; Panda, A. J. Mol. Spectroscopy, 2008, 252, 98.
18. Proceedings of the 4th Asia Oceania Conference on Photobiology, Datta, S. N.; Panda, A. 2008.
19. Pressure effect on rate of production of glucose-equivalent in plant cells, Panda, A.; Bhattacharyya, S.; Datta, S. N. J. Chem. Sci, 2009, 121, 535.
20. Very Strongly Ferromagnetically Coupled Diradicals from Mixed Radical Centers: Nitronyl Nitroxide Coupled to Oxoverdazyl via Polyene Spacers, Iqbal, L.; Panda, A.; Datta, S. N. J. Phys. Chem., 2009, 113, 1595.
21. All-temperature magnon theory of ferromagnetism, Datta, S. N.; Panda, A. J. Phys. Condensed Mat. 2009, 21, 336003.
22. Unusually Large Coupling Constants in Diradicals Obtained from Excitation of Mixed Radical Centers: A Theoretical Study on Potential Photomagnets, Bhattacharjee, U.; Panda, A.; Latif, I. A.; Datta, S. N. J. Phys. Chem. A 2010, 114, 6701.
23. Very Strongly Ferromagnetically Coupled Diradicals from Mixed Radical Centers. II. Nitronyl Nitroxide Coupled to Tetrathiafulvalene via Spacers, Latif, I. A.; Singh, V. P.; Bhattacharjee, U.; Panda, A.; Datta, S. N. J. Phys. Chem. A, 2010, 114, 6648.
24. A DFT Study on the Magnetostructural Property of Ferromagnetic Heteroverdazyl Diradicals with Phenylene Coupler, Bhattacharya, D.; Shil, S.; Panda, A.; Misra, A. J. Phys. Chem. A, 2010, 114, 11833.

25. On the Variation of Ortho-hydrogen and Para-hydrogen Ratio with Magnetic Field Strength at Low Temperature, Misra, A.; Panda, A. J. Low Temp. Phys. 2011, 163, 311.
26. A theoretical study on photomagnetic fluorescent protein chromophore coupled diradicals and their possible applications Bhattacharya, D.; Panda, A.; Shil, S.; Goswami, T.; Misra, A. Phys. Chem. Chem. Phys., 2012, 14, 6905.
27. Panda, A.; Vijayakumar, S.; Klein, D. J.; Ryzhov, A., J. Phys. Org. Chem. 2013, (Accepted).
28. (rac)-1,10-Binaphthyl-Based Simple Receptors Designed for Fluorometric Discrimination of Maleic and Fumaric Acids, K. Ghosh, T. Sen, A. Patra, J. S. Mancini, J. M. Cook, C. A. Parish, J. Phys. Chem. B. 2011 (In press).
29. Naphthalene appended 2,5-diketopiperazine towards fluorometric response of dihydrogenphosphate, K. Ghosh, T. Sen, R. Fröhlich, J Incl Phenom Macrocycl Chem. 2010, 68, 3-4, 447-452.
30. Anthracene coupled adenine for selective recognition of copper ion, K. Ghosh, T. Sen, Beilstein J. Org. Chem. 2010, 6, 44.
31. Binding induced destruction of excimer in anthracene linked benzimidazole diamide: A case toward selective detection of organic sulphonic acids and metal ions, K. Ghosh, T. Sen, A. Patra, New J. Chem. 2010, 34, 1387-1393.
32. Hydrogen bonded assemblies of 1, 8-naphthyridine derivatives: Simple to polymeric structures in the solid state, K. Ghosh, T. Sen, R. Fröhlich, J Incl Phenom Macrocycl Chem. 2010, 68, 1-2, 193-199.
33. Naphthyridine-based receptors for fluometric detection of urea and biotin, K. Ghosh, T. Sen, R. Frohlich, J Incl Phenom Macrocycl Chem. 2010, 67, 3-4, 271-280.
34. trans-Pyridyl and Naphthyridyl Cinnamides as Alternatives for Urea in Complexation of Carboxylic Acid and Formation of Water-Templated

- Assemblies in the Solid State, K. Ghosh, T. Sen, R. Frohlich, I. D. Petsalakis and G. Theodorakopoulos, J. Phys. Chem. B. 2010, 114, 321-329.
35. Naphthyridine-based symmetrical and unsymmetrical pyridinium amides in sensing of biotin salt, K. Ghosh, A. R. Sarkar, T. Sen, Supramol. Chem. 2010, 22, 81-94.
36. A benzthiazole-based simple receptor in fluorescence sensing of biotin ester and urea, K. Ghosh, T. Sen, Tetrahedron Lett. 2009, 50, 4096-4100.
37. Adenine-based urea receptors in fluorescent recognition of iodide, K. Ghosh, T. Sen, Tetrahedron Lett. 2008, 49, 7204-7208.
38. Adenine-based receptor for dicarboxylic acids, K. Ghosh, T. Sen, R. Fröhlich, Tetrahedron Lett. 2007, 48, 7022-7026.
39. N-(6-Methyl-2-pyridyl)acrylamide: a case of amide hydrolysis without the assistance of acid or base in the synthesis of water-driven H-bonded polymeric chains, K. Ghosh, T. Sen, R. Fröhlich, Tetrahedron Lett. 2007, 48, 6308-6311.
40. A naphthyridine-based receptor for sensing citric acid, K. Ghosh, T. Sen, R. Fröhlich, Tetrahedron Lett. 2007, 48, 2935-2938.
- * Number of papers published in peer reviewed journals (national / international) by faculty and students:
 - * Number of publications listed in International Database (For Example: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):
 - * Monographs
 - * Chapter in Books: 01 (by Anirban Panda)
 - * 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....

Sanjukta Mukhopadhyay: Member of Physical Chemistry teachers' Association.

Anirban Panda: Member of ACS, Association of Chemistry Teachers (Eastern Zone).

Tanushree Sen: Member of Association of Chemistry Teachers (Eastern Zone).

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:

Tanushree Sen (RSC recommended one paper in best 10).

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

Prof. Sambhu N. Datta, IIT, Bombay

Prof. Kumaresh Ghosh, Univ. of Kalyani, W.B.

Prof. Debasish Das, Calcutta University, Kolkata

Prof. Adinath Majee, Visva Bharati University, W.B.

Prof. Tapan Kr. Pine, IACS, Kolkata

Prof. Tarasankar Pal, IIT, Kharagpur, W.B.

Prof. Srikanta Patra, IIT, Bhubaneswar, Orrisa

Prof. Amitava Sarkar, IACS, Kolkata

Prof. Anirban Misra, NBU, W.B.

Prof. Bidyut Saha, The Univ. of Burdwan, W.B.

Prof. Dipakranjan Mal, IIT, Kharagpur, W.B.

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

a) National: “National Conference on Recent Advancement in Chemical Sciences: 2011” held on 18-19 November, 2011. Funded by UGC.

b) International: Nil

26. Student profile programme/course wise:

Name of the Course / programme (refer question no. 4)	Applications received	Selected/ Admitted	Enrolled		Pass percentage
			*M	*F	
B.Sc. Honours (2010-2013)	Central counseling system	13	8	5	50%
B.Sc. Honours (2011-2014)		17	8	9	-
B.Sc. Honours (2012-2015)		14	10	4	-
B.Sc. Honours (2013-2016)		18	11	7	-

*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 (Honours)	100	Nil	Nil
UG (General)	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.:

No systematic record has yet been kept, but many students qualified in different Administrative Services examinations and other competitive examinations, including NET, SLET, GATE & School Service Commission Examinations.

29. Student progression

Student progression	Against % enrolled
UG to PG	80(average) in last 5 years

30. Details of Infrastructural facilities

- a) Library : 2200 (approx.) Books available.
- b) Internet facilities for Staff & Students: Available for Staff & Students of 3rd Yr
- c) Class rooms with ICT facility: Nil
- d) Laboratories: 03, (for UG and PG level Practical Classes)

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

07 (FF/HF), for SC/ST/OBC/minority: 10, from Govt. (INSPIRE and State Govt.) agencies: 04

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

Dr. Prasenjit Mahato (our ex. Student) delivered a special lecture on 29.09.2011

33. Teaching methods adopted to improve student learning

Step 1 - Making an idea about weakness and required learning capacity of incumbents of department by proper interaction.

Step 2 – Planning topics of the Syllabus as per requirement.

Step 3 – Preparing acceptable study materials.

Step 4 – Delivering lectures with interaction.

Step 5 – Evaluating regularly by class tests.

Step 6 – Power point presentations for some special topics.

Step 7 – Special care taken for SC/ST/PH and backward students.

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

Students participated in preparing informative Posters on Chemistry related social hazards for public awareness, NCC, NSS, Games and Sports etc.

35. SWOC analysis of the department and Future plans:

Strength:

Department has two separate well-equipped laboratories with sufficient facilities one for honours and one for general practical classes. Internet connection is available for teachers and 3rd year students. Text books and Reference books as listed by SKBU are available in college library. Some books (including specimen copies) for students and teachers (preferable for various chapters) are stored in department for study in 'free times' during college hours. Most important fact is that maximum students are intelligent and laborious and very much interested in learning.

Weakness:

There is an urgent necessity for more full-time teachers. At least three class rooms are required for better teaching. One more laboratory and some instruments for Physical Chemistry practical classes may improve efficiency.

Opportunity:

Interactions with people attached to higher studies and research works in Chemistry and different chemistry related subjects (for eg food technology, forensic sciences etc.) including Ex-students engaged in different chemistry originated fields are very much helpful especially for students for their future planning. Publishers of books and journals are always in contact for up to date editions. Suppliers of various modern and effective instruments and chemicals are always active.

Challenges:

The challenge ahead of this department to perform best with foresaid strength of department.

- a. Preparation of modified laboratories.
- b. New method adopting for improvement of learning.
- c. Involvement in Minor Research Project with the collaboration of other Institute/University.
- d. Invitation of some effective lectures of experts outside our college.
- e. To inform and teach students about modern applications of Chemistry.

Evaluative Report of the Department : Commerce

1. Name of the department : Commerce
2. Year of Establishment : Inter Commerce Course – 1959-60
B.Com. Pass Course - 1969-70
Hons. in Accountancy- 1981-82
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG
4. Names of Interdisciplinary courses and the departments/units involved :
Graduation in Honours and General
5. Annual/ semester/choice based credit system (programme wise) : Annual
6. Participation of the department in the courses offered by other departments :
Sometimes
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	0	0
Associate Professors	0	04
Asst. Professors	05	0

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.K. Das	M.Com., Ph.D.	Associate Professor	Accounting	UG – 32 yrs PG – 01 yr	Nil
Mr. M.C. Chandra	M.A.	Associate Professor	Money and Banking	UG – 28 yrs PG – 01 yr	Nil
Mr. R. Goswami	M.Com.	Associate Professor	Accounting	UG – 16 yrs PG – 01 yr	Nil
Mr. J. C. Sau	M.Com., B.Ed., M.Lib.Sc.	Associate Professor	Accounting	UG – 16 yrs PG – 01 yr	Nil

11. List of senior visiting faculty : Nil

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : Hons. – 3.8% (approx); General – 38.8% (approx)

13. Student -Teacher Ratio (programme wise) : Honours. – 17:1 ; General – 14:1

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. : one with Ph.D.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : Nil

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received : Nil

18. Research Centre /facility recognized by the University: Nil

19. Publications:

* a) Publication per faculty : 5

* Number of papers published in peer reviewed journals (national/ international) by faculty and students : Nil

- * 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.) : Nil
- * 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

Dr. Pradip Kumar Das

- * 1. Dividend practices in selected companies – An Empirical Analysis, The Management Accountant (Vol-41, No. 4, April-2006, ICWAI)
- * 2. A Review of Tax Planning for Educational Expenses on children (The Journal of Accounting and Finance, Vol- 20, No- 2, April-September, 2006, RDA (India).
- * 3. Tax Planning Through Residential Status (The Journal of Accounting and Finance, Vol- 20, No. 1, October, 2005- March, 2006 RDA(India)
- * 4. An Empirical Study on the Financing Pattern of Working Capital Needs (The Journal of Accounting and Finance, Vol-21, No 1, October-2006- March-2007 (RDA) India)
- * 5. A Study on Liquidity Management in Ranbaxy Laboratories Ltd (The Journal of Accounting and Finance (Vol-22, No 1, October-March 2008 (RDA) India)

20. Areas of consultancy and income generated : Nil

21. Faculty as members in
 - a) National committees : Nil
 - b) International Committees : Nil
 - c) Editorial Boards : 01
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 : 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	
2010-2013	312 (H-240 & G-2)	M-34 (H) & 91 (G) F-36 (H) & 30 (G)	M-34(H) & 73 (G) M-35(H) & 20 (G)		68.75%
2011-2014	249 (H-197 & G-52)	M-42 (H) & 83 (G) F-35 (H) & 27 (G)	M-42(H) & 70 (G) M-35(H) & 26 (G)		-
2012-2015	292 (H-204 & G-88)	M-50 (H) & 80 (G) F-36 (H) & 21 (G)	M-50(H) & 71 (G) M-36(H) & 20 (G)		-
2013-2016	Central Counselling System	M-50 (H) & 92 (G) F-35 (H) & 19 (G)	M-50(H) & 81 (G) M-35(H) & 18 (G)		-

*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.Com.(Hons)	99	1	Nil

No systematic records are kept separately in the department. However approximately on an average 1% of the students come from other state. The remaining come from the same state.

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

SLET-01. No systematic records are not available.

29. Student progression

Student progression	Against % enrolled
UG to PG	A good number of students
PG to M.Phil.	Nil
PG to Ph.D.	Few
Ph.D. to Post-Doctoral	Nil
Employed	Monthly
• Campus selection	Nil
• Other than campus recruitment	Nil
Entrepreneurship/Self-employment	Monthly self employed

30. Details of Infrastructural facilities

- a) Library : No Departmental Library
- b) Internet facilities for Staff & Students : Facilities available
- c) Class rooms with ICT facility : Nil
- d) Laboratories : Computer Lab.

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

Among existing students of the department, 62 students are availed Full / Half free-ship from college and 16 students from SC/ST/OBC/MINORITY categories are availed financial assistance from government or other agencies.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts : Nil
33. Teaching methods adopted to improve student learning :
- i) Counselling for advanced learners to help them with better performance.

ii) Separate counselling for weaker students to sustain obtained performances.

iii) Meeting and discussion with the guardians to ensure monitoring at home.

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

Many students participated in NSS, NCC and Games and sports, Essay competition Mock parliament etc.,

35. SWOC analysis of the department and Future plans

Strength:

i) Continuous good academic record as compared to other colleges in the District;

ii) Mental and physical involvement of faculty members towards achievement of desired result;

iii) Good academic discipline and monitoring systems.

Weakness:

i) Lack of faculty members;

ii) Shortage of office staff;

iii) Graduate computer faculty;

iv) Inadequate transport facility for attending classes of faraway students in the early morning;

Opportunity:

i) Of late attempt for industrialization in Jangal Mahal e.g. Balaji in Raghunathpur and others will leave the way for employment opportunity especially commerce students;

ii) Local higher education faculty;

iii) Good training facility.

Challenges:

There is a decline trend of Commerce education in West Bengal in view of the lack of employment opportunity especially in School Service Commission, West Bengal. Our department has been trying its level best to convince the students to pursue professional courses like CA, CS, ICWA, MBA etc.

Evaluative Report of the Department : Computer Science

1. Name of the department : COMPUTER SCIENCE
2. Year of Establishment : SESSION 2004 – 05 (Hons. in Computer Science)
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG
4. Names of Interdisciplinary courses and the departments/units involved : Physics and Mathematics
5. Annual/ semester/choice based credit system (programme wise) : Terminal and Test Examinations.
6. Participation of the department in the courses offered by other departments :
DEPARTMENT OF COMMERCE
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

Post	Sanctioned	Filled
Professors	--	--
Associate Professors	--	--
Asst. Professors	02	--

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

Name	Qualification	Designation	Specializations	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Sandip Kumar Kedia	M.C.A.	Part-time Lecturer	–	9(Nine)	–
Debashree Nandi	M.S. in Software Engineering	CWTT	Software Engineering	4(Four)	–
Sandip Kumar Sao	M.C.A.	CWTT	Compiler Design, Theory of Automata	4(Four)	–
Moumita Mukherjee	M.Sc. in Computer Science	Guest Lecturer	–	1(One)	–

11. List of senior visiting faculty : NIL
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : 100%
13. Student -Teacher Ratio (programme wise) : 16 : 1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : 1
 - Lab. Attendant : Sanctioned – 1, Filled up – Nil
 - Administrative Staff : Sanctioned – Nil, Filled up – Nil
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG. : PG- 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 : NIL
18. Research Centre /facility recognized by the University : NIL
19. Publications:

- * a) Publication per faculty :

Name	Publication
Sandip Kumar Sao	01 (One)

- b) List of Publication:

- i. Madhu Sudan Chakraborty and Sandip Kumar Sao, A Duly Synchronized, Straightforward Approach for Realizing the General Characteristics of JK Flip-Flop and Master-Slave JK Flip-Flop in terms of Characteristic Equation of Clocked SR Latch, IJECSE (ISSN 2277/V2N2-0817-822), 2013

- * 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.) : NIL
- * 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 : 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 : 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 : NIL
- b) International : NIL
26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected/ Admitted	Enrolled		Pass percentage
			*M	*F	
B.Sc.Honours (2010-2013)	Central Counselling System	21	17	4	36.36%
B.Sc. Honours (2011-2014)		25	20	5	-
B.Sc. Honours (2012-2015)		28	23	5	-
B.Sc. Honours (2013-16)		14	12	2	-

*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 (Honours)	99%	1%	--

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

No systematic record has yet been kept, but many students qualified in different Administrative Services examinations and other competitive examinations, including NET, SLET, GATE & School Service Commission Examinations.

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	
<ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurship/Self-employment	--

30. Details of Infrastructural facilities

- a) Library : SATISFACTORY
- b) Internet facilities for Staff & Students : Available for staff and students.
- c) Class rooms with ICT facility : NIL
- d) Laboratories : Central Software Lab. (Shared with Physics, Mathematics and Commerce Dept.) is standard. There is no Digital and Microprocessor Lab.

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

Among existing students of the department, 13 students are availed Full / Half free-ship from college and 15 students from SC/ST/OBC categories are availed financial assistance from government or other agencies.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts : NIL
33. Teaching methods adopted to improve student learning : Special and Remedial classes are taken time to time, use Power point etc.
34. Participation in Institutional Social Responsibility (ISR) and Extension activities : Many students participated in NSS, NCC and Games and sports, Essay competition, Mock parliament etc.
35. SWOC analysis of the department and Future plans :

Strength:

- i. Well profiled faculties.
- ii. Satisfactory software lab.
- iii. Well adequate books in library.
- iv. Internet facility accessible all the time.
- v. Excellent communication among teachers, students and other staffs.

Weakness:

- i. Department and Class Rooms are not well furnished.
- ii. No projector available for presentation.
- iii. There is an urgent necessity for more Full-Time &/or Part-Time teachers.
- iv. Digital and Microprocessor Lab. Required.
- v. More laboratory instruments are also required.
- vi. Software Lab. Assistant, Software Lab Attendant and Departmental Attendant are vacant.

Opportunity:

Computer Science students do have great opportunities in every spares, like, Banking Industries, Software Industries, Bio-technology, Teaching Profession etc. Besides having prospect in Higher Studies and Research Work for a better and bright carrier.

Challenges:

The foremost challenge ahead of this department to perform best with the poor teacher strength and average quality of students.

Evaluative Report : Department of Economics

1. Name of the department : Economics
2. Year of Establishment : 1983-1984
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG
4. Names of Interdisciplinary courses and the departments/units involved : 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		
Associate Professors		02
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 guided for the last 4 years
Jayanta Hajra	M.Phil, Ph.D	Associate Professor	International Trade	14	NIL
Phalguni Mukhopadhyay	M.Phil, Ph.D	Associate Professor	Econometrics & Statistics	20	NIL
Chandrani Sengupta	M.Phil	Assistant Professor	Econometrics & Statistics	10	NIL

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) : 1:10 (For Honours), 1 : 20 (For General)
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : N.A.
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG. : M.Phil (03); Ph.D (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 : NIL
18. Research Centre /facility recognized by the University : NIL
19. Publications:
 - * a) Publication per faculty :

Dr. Jayanta Hajra :

1. Hajra, J. and Hajra, C. (September 2012), “Rural Employment Issues, Migration and Scopes of Poverty Eradication through Rural Tourism in India”, Arthabikhan, Vol. 21, No. 2.
3. Hajra, J. and Hajra, C. (2013), “Sustainability of Service Sector Led Growth and Scope of Domestic Tourism – A Case Study of India” in : Inflation and Monetary Policy in India : Theory and Reality, Sarat Book House, Calcutta.
4. Hajra, J. (2013), “Industrialisation in Purulia Under the Environment of Globalisation : Problems and Prospects” in : Two Decades of Economic Reforms in India, Regal Publications, New Delhi.

5. Hajra, J., Sengupta C and others (September, 2012), District Human Development Report, Purulia, , UNDP, Planning Commission, Government of India – Published by HRDCC, Department of Planning, Government of West Bengal.
6. Hajra, J. (2007), “Puruliar Gramin Arthaniti” Pashchim Banga Patrika, Purulia Jela Sankhya, Government of West Bengal.
7. Hajra, J. and Hajra, C. (2012), “Situation of Food Deprivation in Backward Regions of India During Liberalisation”, Panchakot Essays, Vol. 3, No. 2.

* Number of papers published in peer reviewed journals (national / international) by faculty and students : 07

* 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.) :NIL

* Monographs : NIL

* Chapter in Books : 05

* Books Edited : NIL

* Books with ISBN/ISSN numbers with details of publishers : 05

1. Hajra, J. (March, 2012), “Globalization and Agriculture – A Case Study of India” in : Experiencing Globalisation, Ashabari, Purulia.
2. Hajra, J. (2011), Women’s SHG in Purulia – A Critical Analysis” in : Comprehensive Area Development Programme, Amode Book House, Purulia.
3. Hajra, J. (1998), “Problem of Financing SSIs in India” in : Money, Interest and Finance, Bangiya Arthaniti Parishad, Kolkata.
4. Hajra, J. (2013), “Industrialisation in Purulia Under the Environment of Globalisation – Problem and Prospects” in : Two Decades of Economic

Reforms in India, Regal Publication, New Delhi.

5. Hajra, J. “Sustainability of Service Sector Led Growth and Scope of Domestic Tourism – A Case Study of India” in : Inflation and Monetary Policy in India : Theory and Reality, Sarat Book House, Calcutta, 2013.

* Citation Index : NIL

* SNIP : NIL

* SJR : NIL

* Impact factor : NIL

* h-index : NIL

Dr. Phalguni Mukhopadhyay :

1. Dutta, S.K. and Mukhopadhyay, P., (June-September, 1997), “Is IRDP an Asset Creating and Self Generating Programme – A Case Study”, Socialist Perspective Vol. 25, No. 1-2.
2. Mukhopadhyay, P. and Dutta, S.K., (1999), “Regional Disparity in Industrial Development – A Test of Convergence”, Indian Journal of Regional Science, Vol. 31, No. 1.
3. Mukhopadhyay, P., (2001), “A Tale of Disparity in Industrial Situation in India”, Bharat Vidya, Vol. 1.
4. Mukhopadhyay, P. and Dutta, S.K. (April, 2003), “Testing the Convergence of Infrastructural Disparity and Uneven Industrial Development in India – An Analysis”, Asian Economic Review, Vol. 45, No. 1.
5. Mukhopadhyay, P. (2004), “Poverty and Environmental Degradation – Cause and Effect Relationship”, J. K. Times, Vol. 1.
6. Mukhopadhyay, P. (2008), “Infrastructure and Regional Disparity – A Case Study”, J. K. Times, Vol. 3.

7. Mukhopadhyay, P. (2010), “Industry and Agriculture – Cause and effect Relationship”, J. K. Times, Vol. 4.
8. Mukhopadhyay, P. (2012), “Uneven Development in Infrastructure in India”, Dhanavigyan, Vol. 3, No. 1.
9. Mukhopadhyay, P. (2012), “Economic Development and Human Rights : An Issue of Interdependence” in : Human Rights and Human Development : Some Issues, Amendo Publishing House, Balarampur.
10. Mukhopadhyay, P. (2012), “Backwash and Trickle Down Effect – The Issue of Strength”, J. K. Times – A Multidisciplinary International Journal, Vol. 5.
11. Basu, A.K. and Mukhopadhyay, P. (September, 2013), “Value Added and Profitability : Role of Human Resource”, The Great Lakes Herald, Vol. 7, Issue 2.
12. Mukhopadhyay, P. (2013), “Infrastructural Development Beyond Critical Level is Important for Industrial Development”, J. K. Times – A Multidisciplinary International Journal, Vol. 6, pp. 44 – 50.

* Number of papers published in peer reviewed journals (national / international) by faculty and students : 12

* 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.) : NIL

* 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

Smt. Chandrani Sengupta :

1. Sengupta, C., (March, 2008), “Ecology and the Prey-Predator Exempler”, The Bulletin of Engineering and Science, Volume 3, No. 1, pp 37 – 43.
2. Sengupta, C., (February, 2013), “Rural Household Preferences for Cooking Fuels in Developing Countries : A Microeconomic Analysis”, Paripex – Indian Journal of Research, Vol. 2, Issue 2, pp 78 – 80.
3. Hajra J, Sengupta, C., and others (September, 2012), District Human Development Report, Purulia, UNDP, Planning Commission, Government of India – Published by HRDCC, Department of Planning, Government of West Bengal.

* Number of papers published in peer reviewed journals (national / international) by faculty and students : 02

* 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.) : NIL

* 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 : NIL
21. Faculty as members in
- a) National committees b) International Committees c) Editorial Boards.... : 03
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 : NIL
25. Seminars/ Conferences/Workshops organized & the source of funding
- a) National : 02, (MHRD, UGC)
- b) International : NIL
26. Student profile programme/course wise :

Name of the Course/programme (refer question no. 4)	Applications received	Selected/Admitted	Enrolled		Pass percentage
			*M	*F	
2010-2013	Central Counselling System	15	09	06	54.54%
2011-2014		16	12	04	
2012-2015		22	18	04	
2013-2016		25	16	09	

*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
Honours	100 %	NIL	NIL
General	100 %	NIL	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? :

No systematic record has yet been kept, but many students qualified in different Administrative Services examinations and other competitive examinations, including NET, SLET, & School Service Commission Examinations.

29. Student progression

Student progression	Against % enrolled
UG to PG	80 %
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 	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- a) Library : No
- b) Internet facilities for Staff & Students : Yes
- c) Class rooms with ICT facility : No
- d) Laboratories : N.A.

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

Among existing students of the department, 6 students are availed Full / Half free-ship from college and 5 students from SC/ST/OBC categories are availed financial assistance from government or other agencies.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts : Remedial Coaching
33. Teaching methods adopted to improve student learning : Direct Interaction
34. Participation in Institutional Social Responsibility (ISR) and Extension activities : NSS
35. SWOC analysis of the department and Future plans :

Strength -

The Department participates in the preparation of social study reports of the Government.

Weakness –

The Department has been observing many drop-outs of students.

Opportunity –

The students of the Department get great opportunities to appear for and qualify in the highly challenging competitive examinations conducted all over India which otherwise would have been difficult to achieve.

Challenge –

The students are generally reluctant to take up the subject at the UG level as they find little scope in School Service Commission, West Bengal. However, the Department has taken a challenge to convince the students about the potential of the subject in generating high employment opportunities in other areas.

Future Plans -

We are looking forward to get PG Status and college autonomy.

Evaluative Report of the Department : Education

1. Name of the department : Education
2. Year of Establishment : Hons. in Education - 2008-2009
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG
4. Names of Interdisciplinary courses and the departments/units involved :
Only Graduation in Honours
5. Annual/ semester/choice based credit system (programme wise) : Annual
6. Participation of the department in the courses offered by other departments :
Sometimes
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		
Associate Professors		
Asst. Professors	1	1

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

Name	Qualification	Designation	Specilization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. S.K. Behera (on lien)	M.A., Ph.D.	Assistant Professor	Educational Technology, Measurement and Evaluation in Education	UG – 2 yrs PG – 01 yr	Nil
Smt. Santana Banerjee	M.A.	Part time Lecturer	Mental Hygiene	UG–06 yrs	Nil
Smt. Anindita Adhikary	M.A.	Part time Lecturer	Creativity and intelligence	UG–04 yrs	Nil

11. List of senior visiting faculty : Nil
 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : Hons – 70%
 13. Student -Teacher Ratio (programme wise) : Hons. – 17:1.
 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: N.A.
 15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG. : One with Ph.D.
 16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : Nil
 17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received : Nil
 18. Research Centre /facility recognized by the University: Nil
 19. Publications:
 - * a) Publication per faculty :

Dr. Santosh Kumar Behera	(25)
Smt. Santana Banerjee	(01)
Smt. Anindita Adhikary	(01)
Laxmirarayan Gope	(Nil)
Mousumi Chatteraj	(Nil)
- Number of papers published in peer reviewed journals (national / international) by faculty and students : Dr. Santosh Kumar Behera (05, National), (10, International)
Smt. Anindita Adhikary (01, International)
- * 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.) : 05
 - * Monographs : Nil
 - * Chapter in Books : 04
 - * Books Edited : Nil

- * Books with ISBN/ISSN numbers with details of publishers : Behera, S. K.,
The Rainbow Bridge: A Comparative Study of R. N. Tagore and M.K.
Gandhi, Book Centre, Santiniketan, W.B. ISBN:13-978-81-921612-2-8
- * Citation Index : Nil
- * SNIP : Nil
- * SJR : Nil
- * Impact factor : Nil
- * h-index : Nil

Name of the Faculty: Dr. Santosh Kumar Behera

PUBLICATION

Chapters Published in Books:

20. Swadhinotor Kalahandi Zilate (Odisha) Kondh Adibasider Shikhyar Prati
Drustibhangi: Ekti Samikhya, In Anirudha Roy (Ed.), Itihas anusandhan-23,
Kolkata: Paschim Banga Itihas Samsad, Jan.2009, pp.558-563.
21. Poverty and Health in Orissa: An Overview, In S. K. Paul (Ed.), Poverty
Health and Development, New Delhi: Commonwealth Publishers Pvt. Ltd.,
2009, pp.140-154.
22. Radio as a Component of Educational Technology, Proceedings Book UGC
Seminar, Dept. of Education, B.N.M.A. College, Bhadrak, 28-29 Jan.2009,
pp.27-31.
23. Interdisciplinary Approaches in Geography, In Interdisciplinary Theory and
Practice An Overview, Edited by Board of Editors, UGC-Sponsored National
Seminar, Birbhum Mahavidyalaya, Suri, Kolkata: Readers Service, 2009,
pp.93-101.
24. Oupanibeshik O Tatparabarti Samaye Adivasi Santhal janagosthir Samajik-
Rajanaitik Pratistan Samuha: Atmaparichayer Ayk Nutan Dik. In Manju
Chatopadhyay(Ed.), Itihas anusandhan-24, Kolkata: Paschim Banga Itihas
Samsad, Edited Vol.24, Jan.2010, pp.432-436.

25. Kabi Guru Rabindranather Shikshya Chinta, In Mahadeb Das(Ed.) Maloti Punthi, Department of Bengali, Jagannath Kishore College, Purulia, Edited Vol. 08th Aug.2010,pp.94-103.
26. Gandhi Jibane Gita: Ekti Aitihasic Adhayan, In Manju Chatopadhyay(Ed.), Itihas anusandhan-25, Kolkata: Paschim Banga Itihas Samsad, Edited Vol.25, 2011,pp.612-616.
27. Teacher Education: Role, Problems and Remedies, In R.L.Nikose(Ed.) Teacher Education Issues and Challenges, New Delhi: APH Publishing Corporation, 2012,pp.47-56.

JOURNALS: NATIONAL:

1. Communique, Environmental Awareness through Education, Vol.2, No.1, March 2008, pp.83-88.
2. Yearly Shakespeare, Shakespeare's Influence on Oriya Literature, Vol. vi, 2008
3. Communique, Leadership and Community Administrative Structure of the Santals, Vol.2, No.3, Nov.2008, pp.57-62.
4. Journal of Educational Research and Extension, Attitude of Scheduled Caste and Scheduled Tribe Children towards Education in Kalahandi District of Orissa: A Comparative study, Vol. 46(1) January-March2009, pp.1-10.
5. Journal of Educational Research and Extension, Educational Ideas of Rabindranath Tagore: Perception of the Essential Nature of a Teacher , The Taught and The Discipline, Vol.47(3) July-Sept. 2010,pp.28-37.
6. J.K. Times, Inculcation of Values among the Students through Academic Avenues, Vol-IV, December, 2010, pp.31-40.
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15. Global Peace, Sri Aurobindo's Integral Education, Vol. 6, No. 4, June, 2007, pp.13-15.
16. Indian Streams Research Journal, An Investigation into the Attitude of Secondary School Students towards Environmental Education in Birbhum District of West Bengal, Vol-I, Issue-VI, July 2011, pp.33-36.
17. Golden Research Thoughts, EDUCATIONAL PHILOSOPHY OF MAHATMA GANDHI AND RABINDRANATH TAGORE: A COMPARATIVE STUDY, Vol.-I, Issue-III, September 2011, pp.17-20.
18. Research Analysis & Evaluation, Attitude of Secondary School students towards Yoga Education in Keonjhar District of Orissa: A Study, Issue 32, Sept.2011, pp.3-5.

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Santosh Kumar Behera	EDUCATIONAL IDEAS OF SWAMI VIVEKANANDA: PERCEPTION OF THE ESSENTIAL NATURE OF A TEACHER, THE TAUGHT, METHODS OF TEACHING AND THE DISCIPLINE	Samwaad: E-Journal	Bhopal, M.P.	Vol.1 (1) 2012
Santosh Kumar Behera	Global Warming and Climate Change: Natural and Human Interference	Communique: An Academic journal of Durgapur Govt. College	Durgapur Govt. College	Volume-6, No.1, March 2012
Santosh Kumar Behera	The Srimad Bhagavad Gita: A Philosophical, Psychological and Educational Analysis	The Light of Education	Haldia College of Education	Vol.-1, Issue-2, September 2012
Santosh Kumar Behera	An Investigation into the attitude of College teachers towards E-Learning In Purulia District of West Bengal	Turkish Online Journal of Distance Education (TOJDE)	Anadolu University, Turkey	July 2012 Vol.13, No. 3, Article -9

Santosh Kumar Behera	Relevance of Religion in the New Millennium	SHODH SHREE	Jaipur	April-June 2012, Vol.-III
Santosh Kumar Behera	Human Rights Education: An Introduction	Edited Vol. Human Rights and Human Development: Some Issues	J.K.College, & Amode Book Publishing House, Purulia, W.B.	December 2012
Santosh Kumar Behera	E-Learning in Teacher Education	Edited Book		Accepted
Santosh Kumar Behera	HUMAN RIGHTS EDUCATION: TEACHER'S ROLE AND RESPONSIBILITIES	PRANGNYA Journal of Social Sciences	AMARISATYA, Khordha, Odisha	Vol.3 Issue-2 December 2012
Santosh Kumar Behera	INDIGENOUS KNOWLEDGE IN THE EDUCATIONAL PHILOSOPHY OF RABINDRANATH TAGORE: SOME REFLECTIONS	J.K.TIMES		Accepted
Santosh Kumar Behera	ENCOURAGING HIGHER EDUCATION THROUGH OPEN AND DISTANCE LEARNING (ODL): SOME ASPECTS	Turkish Online Journal of Distance Education (TOJDE)	Anadolu University, Turkey	Oct. 2012 Vol.13, No. 4, Article -25
Santosh Kumar Behera	Value Education: Duties and Responsibilities of Teachers			Awaiting
Santosh Kumar Behera	Role of Teacher in Peace Education	Samwaad: E-Journal	Bhopal, M.P.	Vol.2 (1) March,13
Santosh Kumar Behera	M-LEARNING: A NEW LEARNING PARADIGM	International Journal on New Trends in Education & Their Implications (IJONTE)	Turkey	Vol.4, No.2, 2013, Article No.- 03

Santosh Kumar Behera	Peace education in India: A Proposal	International Journal on New Trends in Education & Their Implications (IJONTE)	Turkey	Vol.4, No.2, 2013 Article No.-09
Santosh Kumar Behera	E-AND M-LEARNING: A COMPARATIVE STUDY	International Journal on New Trends in Education & Their Implications (IJONTE)	Turkey	Vol.4, No.3, 2013, Article No.-08

20. Areas of consultancy and income generated : Nil
21. Faculty as members in
 - a) National committees: Nil
 - b) International Committees: Nil
 - c) Editorial Boards: 1
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 : 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 /Admitted	Enrolled *M	*F	Pass percentage
B.A. Hons. (Education) (2010-2013)	Central Counselling system	29	18	11	70.58
B.A. Hons. (Education) (2011-2014)		27	21	6	-
B.A. Hons. (Education) (2012-2015)		28	18	10	-
B.A. Hons. (Education) (2013-2016)		36	30	6	-

*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. (H)	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?.

No systematic record has yet been kept, but many students qualified in different Administrative Services examinations and other competitive examinations, including NET, SLET, GATE & School Service Commission Examinations.

29. Student progression

Student progression	Against % enrolled
UG to PG	70%
PG to M.Phil.	Nil
PG to Ph.D.	1%
Ph.D. to Post-Doctoral	Nil
Employed	
• Campus selection	Nil
• Other than campus recruitment	Nil
Entrepreneurship/Self-employment	Monthly self employed

30. Details of Infrastructural facilities
- a) Library : N.A.
 - b) Internet facilities for Staff & Students : Available for Staff & Students.
 - c) Class rooms with ICT facility : Nil
 - d) Laboratories : Nil
31. Number of students receiving financial assistance from college, university, government or other agencies :
- Among existing students of the department, 26 students are availed Full / Half free-ship from college and 22 students from SC/ST/OBC categories are availed financial assistance from, government or other agencies.
32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts : Nil
33. Teaching methods adopted to improve student learning :
- iv) Counselling for advanced learners to help them with better performance.
 - v) Separate counselling for weaker students to sustain obtained performances.
 - vi) Meeting and discussion with the guardians to ensure monitoring at home.
34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Many students participated in NSS, NCC and Games and sports, Essay competition Mock parliament etc.,
35. SWOC analysis of the department and Future plans

Strength-

- The entry level in the department with quite satisfactory scores.
- The motivation to the students is ensured by the dedicated faculty members with modern teaching methodologies.
- Rich library
- Good infrastructure of the college including clean and quiet environment
- Extra class and student communication
- Informal teacher-student relationship.

- Good interpersonal relationship among faculty members.
- Every year we get a good number of sincere students who perform well in University examinations.

Weakness-

- Shortage of fulltime faculties.
- Lack of access to libraries outside the campus.
- Unavailability of classrooms dedicated to use by the department.
- Lack of visual aids in classrooms.

Opportunity-

- To use the scope provided by academic autonomy to develop
- Excessive texts or exams, in interactive and interesting ways.
- Collaboration efforts
- A good number of students are placed through School Service Commission, W.B. and College Service Commission, W.B.
- A good number of students are placed in different kind of Govt. and non Govt. jobs.

Challenge-

- To evolve as a centre of excellence with academic flexibility so that faculty members can recharge themselves and students gain recognition and reward.
- To use the low student-teacher ratio to full effect so that infrastructure is completely and effectively utilised.
- To obtain the allotment of an ISBN/ISSN so that the department may issue its own journal to which contributions by eminent academicians, researchers, and teachers, may be sought.

Evaluative Report of the Department : English

1. Name of the department : English
2. Year of Establishment : 1983-1984
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG
4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise) : Annual
6. Participation of the department in the courses offered by other departments : Regularly
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		
Associate Professors	0	04
Asst. Professors	04	0

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

Name	Qualification	Designation	Specilization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. S.S. Senapati	M.A., Ph.D.	Associate Professor	Fiction	35 yrs	
Mr. C. Deb	M.A., Ph.D.	Associate Professor	Ancient Europ. Classics	25yrs	
Dr. A.K. Agarwal	M.A., LLB, Ph.D.	Associate Professor	Drama	28 yrs	01
Mr. A.K. Gangyopadhyay	M.A.	Associate Professor	Comparative Literature	17yrs	

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.- 1: 45 & General 1 : 50
 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.-2; PG-2
 16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil
 17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil
 18. Research Centre /facility recognized by the University: Nil
 19. Publications:
 - * a) Publication per faculty
 - * Number of papers published in peer reviewed journals (national / international) by faculty and students: 10
 - * 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: 02
 - * 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: All 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 organizations outside the institution i.e.in Research laboratories/Industry/other agencies: N.A.

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: Nil
- b)International: Nil
26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected/ Admitted	Enrolled		Pass percentage
			*M	*F	
2010-2013	Central Counselling System	47	18	29	78.78%
2011-2014		47	37	10	-
2012-2015		71	42	29	-
2013-2016		73	39	34	-

*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. (H)	100%		
B. A. (Gen)	100%		

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? N.A.

No systematic record has yet been kept, but many students qualified in different Administrative Services examinations and other competitive examinations, including NET, SLET, & School Service Commission Examinations.

29. Student progression

Student progression	Against % enrolled
UG to PG	52%
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 	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities
- a) Library: No departmental library
 - b) Internet facilities for Staff & Students: Facilities available for staff and students.
 - c) Class rooms with ICT facility: Nil
 - d) Laboratories: N.A.
31. Number of students receiving financial assistance from college, university, government or other agencies:
- Among existing students of the department, 40 students are availed Full / Half free-ship from college and 35 students from SC/ST/OBC categories are availed financial assistance from, government or other agencies.
32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: Nil
33. Teaching methods adopted to improve student learning: Use OHP and Power Point presentations
34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Many students participated in NSS, NCC and Games and sports, Essay competition etc.
35. SWOC analysis of the department and Future plans

Strength-

- The entry level in the department with quite satisfactory scores.
- The motivation to the students is ensured by the dedicated faculty members with modern teaching methodologies.
- Rich library
- Good infrastructure of the college including clean and quiet environment
- Extra class and student communication
- Informal teacher-student relationship.
- Good interpersonal relationship among faculty members.
- Every year we get a good number of sincere students who perform well in University examinations.

Weakness-

- Department are overburdened so far as student-teacher ratio.
- Shortage of fulltime faculties.
- Lack of access to libraries outside the campus.
- Unavailability of classrooms dedicated to use by the department.
- Lack of microphone in classroom.
- Lack of visual aids in classrooms.

Opportunity-

- To use the scope provided by academic autonomy to develop
- Excessive texts or exams, in interactive and interesting ways.
- Collaboration efforts
- A good number of students are placed through School Service Commission, W.B. and College Service Commission, W.B.
- A good number of students are placed in different kind of Govt. and non Govt. jobs.

Challenge-

- To evolve as a centre of excellence with academic flexibility so that faculty members can recharge themselves and students gain recognition and reward.
- To use the low student-teacher ratio to full effect so that infrastructure is completely and effectively utilised.
- To obtain the allotment of an ISBN/ISSN so that the department may issue its own journal to which contributions by eminent academicians, researchers, and teachers, may be sought.

Evaluative Report of the Department : Geography

1. Name of the department : THE DEPARTMENT OF GEOGRAPHY
2. Year of Establishment : 2006
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG (Honours in Geography).
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 : NA
9. Number of Teaching posts

	Sanctioned	Filled
Professors		
Associate Professors		
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
Prof. Rajesh Kerketta	M.Phil.	Assistant Professor	Agricultural Geography	3 yrs	Nil
Prof. Uttam Kr. Patra	M.A.	Part Teacher	Agricultural Geography	6 yrs	Nil
Prof. Rama Kundu	M.A.	Part Teacher	Agricultural Geography	5 yrs	Nil
Prof. Arpita Banerjee	M.A.	Guest Teacher	Population Geography	1 yr	Nil
Prof. Sk. Jakir Hossain	M.A.	Guest Teacher	Urban Studies	1 yr	Nil

11. List of senior visiting faculty : NIL
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : UG –
Theory - Part Time Lcturers - 40% Guest Faculty - 32 %.
Practical - Part Time Lcturers - 33% Guest Faculty - 25%
13. Student -Teacher Ratio (programme wise) : UG – 1:18
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : Sanctioned - 02, Filled - 01
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil - 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 : NIL
18. Research Centre /facility recognized by the University : NIL
19. Publications:
 - * a) Publication per faculty – Rajesh Kr. Kerkatata-01
Uttam Kr. Patra- 03
 - * Number of papers published in peer reviewed journals (national / international) by faculty and students : 03
 - * Number of publications listed in International Database (For e.g.: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : NIL
 - * 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 : 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 : 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 : NIL
 b)International : NIL
26. Student profile programme/course wise :

Name of the Course/program me (refer question no. 4)	Applications received	Selected/ Admitted	Enrolled *M *F	Pass percentage
B.A. Hons. (Geography) (2010-2013)	Centrally Counselling System	15	11 4	73.33%
B.A. Hons. (Geography) (2011-2014)		27	20 7	-
B.A. Hons. (Geography) (2012-2015)		29	22 7	-
B.A. Hons. (Geography) (2013-2016)		31	21 10	-

*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 %	00%	00%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.

No systematic record has yet been kept, but many students qualified in different Administrative Services examinations and other competitive examinations, including NET, SLET, GATE & School Service Commission Examinations.

29. Student progression

Student progression	Against % enrolled
UG to PG	45 % (approx.)
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 	
Entrepreneurship/Self-employment	NIL

30. Details of Infrastructural facilities

a) Library : NIL

b) Internet facilities for Staff & Students : Available for Staff & Students.

c) Class rooms with ICT facility : NIL

d) Laboratories : Well equipped laboratories

31. Number of students receiving financial assistance from college, university, government or other agencies : 17 (Only 2nd and 3rd Year students have been taken into consideration as 1st Year students have only applied for financial assistance.)

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

33. Teaching methods adopted to improve student learning : Use of Power Point

34. Participation in Institutional Social Responsibility (ISR) and Extension activities : Many students participated in NSS, NCC and Games and sports, Essay competition, Mock parliament etc.

35. SWOC analysis of the department and Future plans:

Strength

Highly motivated and dedicated faculty

Weakness

Dearth of Faculty, Non availability of Departmental Library & ICT based Classroom.

Opportunity

With adoption of latest developments in the field of RS & GIS and giving adequate emphasis on environment related topics in the syllabus, employability of students can be enhanced

Challenges

The main challenge is to provide the adequate laboratory with ICT facilities & keep abreast with latest developments in the domain of the discipline.



Department of Geology

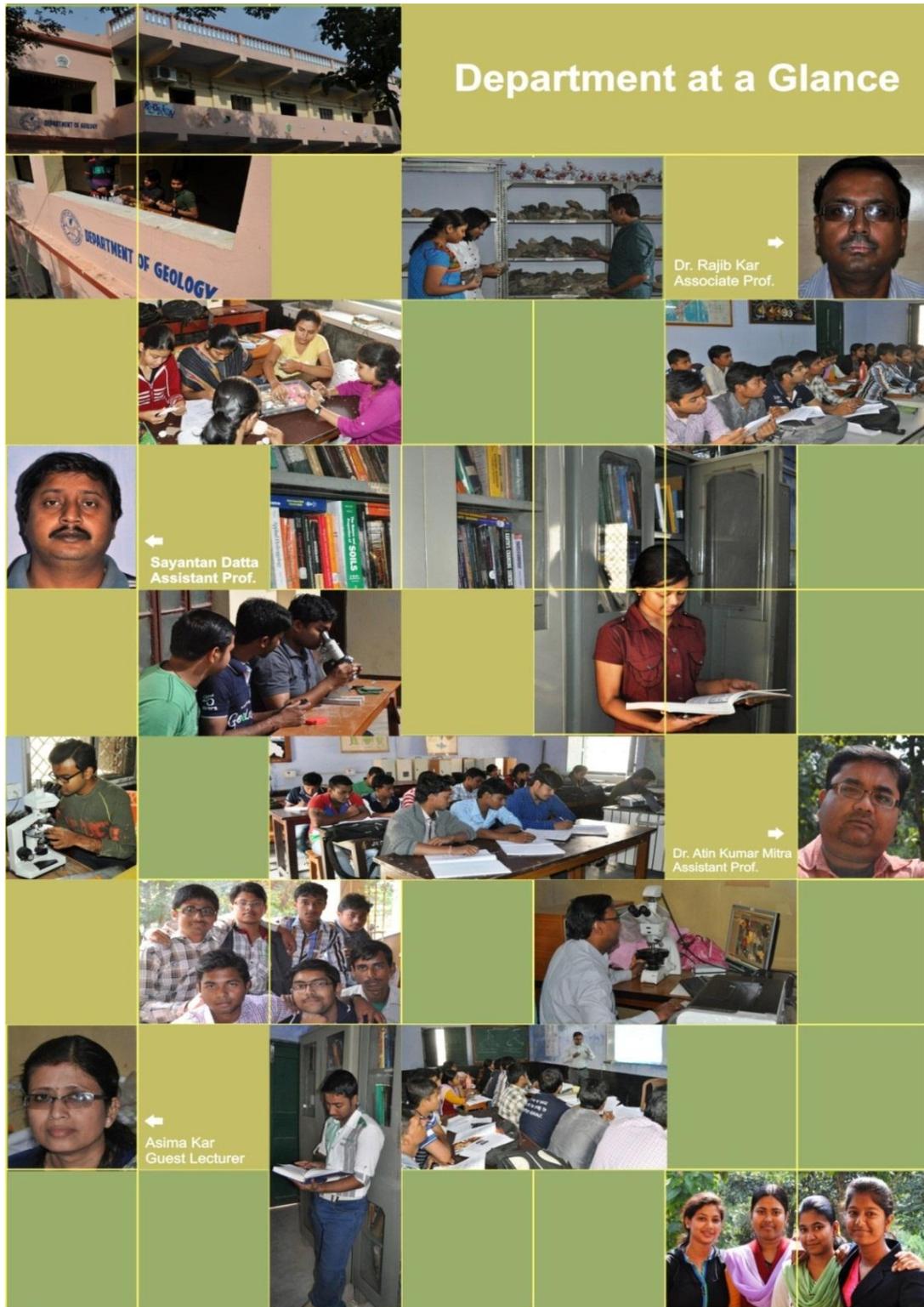


J. K. College, Purulia

Evaluative Report of the Department : Geology

1. Name of the department: Department of Geology
Website: www.geojkc.in
2. Year of Establishment: Geology General :1986-87
Geology Hons. : 1994-95
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): B. Sc. (Hons.) in Geology and B. Sc. (General) as combination
4. Names of Interdisciplinary courses and the departments/units involved: NA
5. Annual/ semester/choice based credit system (programme wise) : Annual(1+1+1)
6. Participation of the department in the courses offered by other departments: NA
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: NA
8. Details of courses/programmes discontinued (if any) with reasons: NA
9. Number of Teaching posts

	Sanctioned	Filled
Professors		
Associate Professors		1
Asst. Professors	4	2



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

Name	Qualification	Designation	Specilization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Rajib Kar	Ph. D. (Sc.) in Geology	Associate Professor	Petrology & Geochemistry	13	NIL
Sayantana Datta	M. Sc. in Geology	Assistant Professor	Petrology	6	NIL
Atin Kumar Mitra	Ph. D. (Sc.) in Geology	Assistant Professor	Structural Geology, Tectonics	5	NIL
Asima Kar	M. Sc. in Geology	Guest Lecturer	Sedimentology Structural Geology	5	NIL

11. List of senior visiting faculty : Nil

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty: Lectures delivered 20%, Practical classes handled 5%

13. Student -Teacher Ratio (programme wise): 14:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Sanctioned 2, Filled 2(1temporary)

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.

With Ph. D. – 02, With PG – 02 (1 temporary)

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received.

Serial no	Name of the investigator	Title of the Project	Period	Funding agency	Status	Sanctioned money
1.	Dr. Rajib Kar	Geochemistry of Khondalite in the Eastern Ghats belt: a possible tectonic indicator	21.12.2009 to 20.12.2012	DST – Major Research Project	Completed and final report submitted	Rs. 18,70,000/-
2.	Dr. Atin Kumar Mitra	Development of deformational structures in mobile belts: a numerical and experimental study	13.03.2012 - 12.03.2014	UGC- Minor Research Project	Ongoing	Rs. 1,98,500/- sanctioned money received Rs. 1,84,250/-

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:

Dr. Rajib Kar – 19

Dr. Atin Kumar Mitra – 6

Publication List

1. Kar R. 2012. Generation of granitic plutons during crustal orogenesis: an example from the Eastern Ghats Granulite Belt, India. Journal of the Geological Society of India, 80, 653-666. (Journal Impact factor: 0.596)
2. Bhattacharya S, Kar R., Saw A K and Das P. 2011. Relative chronology of high-grade crystalline terrain of the Eastern Ghats, India: new insights. International Journal of Geosciences, 2, 398-405. (Journal Impact factor: 0.744)

3. Kar R. and Bhattacharya S. 2010. New experimental constraints: implications for petrogenesis of charnockite of dioritic composition. *Natural Science*, 2, 1085-1089. (Journal Impact factor: 0.792)
4. Kar R. 2010. Melting experiments in the NCFMASH system at 8 kbar: implication to the origin of mafic granulites. *Indian Journal of Geology*, 80, 71-80.
5. Kar R. 2008. Superposed folding, transposed fabric growth in granulite facies condition: implications for possible hiatus in a granulite complex of the Eastern Ghats belt, India. *Journal of the Geological Society of India*, 71, 569-581. (Journal Impact factor: 0.596)
6. Kar R. 2007. Domainal fabric development, associated microstructures and P-T records attesting to polymetamorphism in a granulite complex of the Eastern Ghats Granulite belt, India. *Journal of Earth System Science*, 117, 21-37. (Journal Impact factor: 0.820)
7. Bhattacharya S. and Kar R. 2005. Petrological and Geochemical constraints on the evolution of the alkaline complex of Koraput in the Eastern Ghats granulite belt, India. *Gondwana Research*, 8(4), 596-602. (Journal Impact factor: 4.578)
8. Bhattacharya S. and Kar R. 2004. Alkaline intrusion in a granulite ensemble in the Eastern Ghats belt, India: Shear zone pathway and a pull-apart structure. *Proceedings of the Indian Academy of Science (Earth and Planetary Sciences)*, 113, 37-48. (Journal Impact factor: 0.820)
9. Bhattacharya S., Kar R. and Moitra S. 2004. Petrogenesis of granitoid rocks at the northern margin of the Eastern Ghats Mobile Belt and evidence of syn-collisional magmatism. *Proceedings of the Indian Academy of Science (Earth and Planetary Sciences)*, 113 (4), 543-563. (Journal Impact factor: 0.820)
10. Bhattacharya S., Kar R., Teixeira W. and Basei M. 2003. High- Temperature crustal anatexis in a clockwise P-T-t path: isotopic evidence from a granulite-

- granitoid suite in the Eastern Ghats belt, India. *Journal of the Geological Society of London*, 160, 39-46. (Journal Impact factor: 3.300)
11. Kar R. and Bhattacharya S. 2003. Imprints of early deformation structures in the Mg-Al sapphirine granulites, Eastern Ghats granulite belt, India. *Journal of the Geological Society of India*, 61, 711-716. (Journal Impact factor: 0.596)
 12. Kar R., Bhattacharya S. and Sheraton J. W. 2003. Hornblende dehydration melting in mafic rocks and the link between massif-type charnockite and associated granulites: Eastern Ghats granulite belt, India. *Contributions to Mineralogy and Petrology*, 145, 707-729. (Journal Impact factor: 3.441)
 13. Bhattacharya S. and Kar R. 2002. High-Temperature dehydration melting and decompressive P-T path in a granulite complex from the Eastern Ghats, India. *Contributions to Mineralogy and Petrology*, 143, 175-191. (Journal Impact factor: 3.441)
 14. Bhattacharya S., Kar R., Mishra S. and Teixeira W. 2001. Early Archaean Continental crust in the Eastern Ghats granulite belt, India: Isotopic evidence from a charnockite suite. *Geological Magazine*, 138, 609-618. (Journal Impact factor: 1.764)
 15. Kar R. 2001. Patchy charnockites from Jenapore, Eastern Ghats granulite belt, India: structural and petrochemical evidences suggesting to their relict nature. *Proceedings of the Indian Academy of Sciences (Earth and Planetary Sciences)*, 110, 337-350. (Journal Impact factor: 0.820)
 16. Kar R., Bhattacharya S. and Swain A. K. 2001. Nature of Craton-mobile belt boundary: an example from Bastar craton- Eastern Ghats mobile belt contact around Jeypore, Orissa, India. *Indian Journal of Geology*, 73 (2), 107-118.
 17. Bhattacharya S. and Kar R. 1998. Structural constraints on reworking in the Western Ghats granulite belt, India and the Antarctic analogue. *Gondwana Research*, 1(2), 285-290. (Journal Impact factor: 4.578)

18. Kar R. and Sarkar S. S. 1996. Regional variation of Structural Geometry in three dimension at Rakha mines, Singhbhum Shear zone: a statistical approach. *Indian Journal of Earth science*, 239 (1, 2), 56-60.
19. Kar R. 1995. Structural setting and post-granulite modification in an area in the north-eastern corner of Eastern Ghats, *Indian Journal of Geology*, 67(4), 273-281.
20. Nibir Mandal, Atin Kumar Mitra, Santanu Misra and Chandan Chakraborty 2006. Is the outcrop topology of dolerite dikes of the Precambrian Singhbhum Craton fractal. *Journal of Earth System Science*, Vol 115, No. 6, 643-660.
21. M. Y. Mahmoud, A. K. Mitra, R. Dhar, S. Sarkar and N. Mandal. 2008. Repeated Emplacement of Syntectonic Pegmatites in Precambrian Granite Gneisses: Indication of Pulsating Brittle-Ductile Rheological Transition. In: *INDIAN DYKES: Geochemistry, Geophysics and Geochronology*. (Ed) Rajesh K. Srivastava, Ch. Sivaji and N. V. Chalapathi Rao. Narosa Publishing House Pvt. Ltd., New Delhi, India. 495-510.
22. Nibir Mandal, Atin Kumar Mitra and Santanu Bose. 2009. Orogenic Processes in Collisional Tectonics with Special Reference to the Himalayan Mountain Chain: A Review of Theoretical and Experimental Models. In: *Physics and Chemistry of the Earth's Interior Crust, Mantle and Core*, Indian National Science Academy A Platinum Jubilee Special Issue, (Ed) Alok K. Gupta and Somnath Dasgupta. Springer. 41-65.
23. Nibir Mandal, Atin Kumar Mitra, Shamik Sarkar, Chandan Chakraborty. 2009. Numerical estimation of the initial hinge-line irregularity required for the development of sheath folds: A pure shear model: *Journal of Structural Geology*, 31, 1161-1173.
24. Atin Kumar Mitra, Manhal Mahmoud, Shamik Sarkar, Nibir Mandal. 2011. Spatial and Temporal Variations of the Strain Fields in Orogenic Belts: An Analysis Based on Kinematic Models. In: *Numerical Methods and Models in*

Earth Science, (Ed) Parthasarathi Ghosh. NEW INDIA PUBLISHING AGENCY, New Delhi. 43-68.

25. Biswajit Nath, Shukla Acharjee and Atin Kumar Mitra. 2012. Lake Configuration and Change Detection Studies using Remote Sensing and GIS Techniques: A Study on Bogakine Lake, Bandarban, Bangladesh. International Journal of Lakes and Rivers.5, 75-89.

- * Publication per faculty – Avg. 8 per faculty.
- * Number of papers published in peer reviewed journals (national / international) by faculty and students - 22
- * Chapter in Books - 03
- * Books Edited - NIL
- * Citation Index – All the publications are well cited.
- * Impact factor – Few journals have very high impact factor.

22. Areas of consultancy and income generated: Dr. Atin Kumar Mitra took part in the programme of ‘Geological and Structural Mapping In Block VII-A, REPUBLIC OF GEORGIA, in LESSER CAUCASUS, for JINDAL PETROLIUM in collaboration with JADAVPUR UNIVERSITY. Income generated for college 10000/-.

Dr. Rajib Kar and Mr. Sayantan Datta took part in slide analysis for the aforesaid project. Income generated for college 3000/-.

23. Faculty as members in

a) National committees b) International Committees c) Editorial Boards: NA

24. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme: NA

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies

25. Awards/ Recognitions received by faculty and students - NIL

26. List of eminent academicians and scientists/ visitors to the department

- a. Prof. Anish Roy, Presidency College.
- b. Prof. Nibir Mandal, Jadavpur University.
- c. Prof. Chittaranjan Bhattacharya, Calcutta University.
- d. Prof. Debasish Shome, Jadavpur University.
- e. Dr. Chandan Chakraborty, Indian Sttistical Institute, Kolkata.
- f. Dr. Subrata Karmakar, Jadavpur University.
- g. Dr. Subir Sarkar, Jadavpur University.
- h. Dr. Bapi Goswami, Calcutta University.
- i. Dr. Gopal Chakraborty, JDPI, Higher Education Department.
- j. Dr. Aniket Chakraborty, Durgapur Govt. College, W.B.
- k. Dr. Soumik Mukhopadhyay, Durgapur Govt. College, W.B.
- l. Dr. Pradip Samanta, Durgapur Govt. College, W.B.
- m. Dr. Subhajit Sinha, Durgapur Govt. College, W.B.
- n. Dr. Amit Dasgupta, Ranigunj TDB College, Ranigunj, W.B.

27. Seminars/ Conferences/Workshops organized & the source of funding

- i. National: NIL ,
- ii. International: NIL

28. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected/Admitted	Enrolled		Pass percentage
			*M	*F	
B.Sc. Honours (Geology) (2010-2013)	Centrally Counselling System	15	09	06	53.33%
B.Sc. Honours (Geology) (2011-2014)		23	17	06	-
B.Sc. Honours (Geology) (2012-2015)		18	13	05	-
B.Sc. Honours (Geology) (2013-2016)		16	10	06	-

*M=Male F=Female

29. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
UG (Honours)	100	Nil	Nil
UG (General)	100	Nil	Nil

30. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

No systematic record has yet been kept, but many students qualified in different Administrative Services examinations and other competitive examinations, including NET, SLET, GATE & School Service Commission Examinations.

31. Student progression

Student progression	Against % enrolled
UG to PG	100%
PG to M.Phil.	
PG to Ph.D.	10%
Ph.D. to Post-Doctoral	1%
Employed	90%
<ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurship/Self-employment	10%

32. Details of Infrastructural facilities

- a) Library – Seminar Library of 800 books available to the teachers & students
- b) Internet facilities for Staff & Students -Terminals with internet facilities are regularly used by the students.
- c) Class rooms with ICT facility – 100%
- d) Laboratories – well equipped laboratory to full fill the syllabus requirement and conduct examinations.

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

Among existing students of the department, 7 students are availed Full / Half free-ship from college and 5 students from SC/ST/OBC categories are availed financial assistance from government or other agencies.

34. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: Remedial classes are taken for students belonging to SC, ST & Minority community.
35. Teaching methods adopted to improve student learning:
- One to one interaction and counseling if required.
 - Very much interactive class room session.
 - Regular class test.
 - Practical demonstration as far as possible.
 - Mock Seminar and group discussion arranged.
 - Audio visual aids
36. Participation in Institutional Social Responsibility (ISR) and Extension activities: Students participated in preparing informative Posters on Environmental pollution, hazards for public awareness in NSS.
37. SWOC analysis of the department and Future plans

Strength:

Departmental laboratories are well equipped with of rock hand specimen, fossil specimen, rock slides, microscope, clinometers, brunton, silva compass and GPS. Class rooms are equipped with projector facility and Internet connection. A vast number of recently published reference books related to this subject are present in the departmental library as well as in the college library and the books are easily accessible to the students. Teacher – Student relation is very much cordial.

Weakness :

One permanent teaching post should be filled. Additional laboratory space required. More reference books should be procured.

Opportunity :

Geology as a subject requires extensive field work in rocky terrain for understanding surface as well as sub surface processes, the location of the college immensely facilitate holistic learning.

In this era of globalization and desperate attempt to grab access to non renewable mineral resources by public & private players world wide, the department is a platform to budding students with expertise in exploration. The subject has its own job domain.

Challenges :

Since, the college is located in one of the backward districts in India,

Sometimes students from its hinterland often face financial crisis to sustain study as the subject needs some expenses during fieldwork which is mandatory in the curriculum though we try to get rid of the problem by rendering fee exemption.

Scarcity of power leads to frequent shading which is quite interrupting, but we are trying our best to negate the problem at least to some extent by installing invertor for uninterrupted practical classes, but again we face fund constraint.

38. Any other relevant information:

Geology, being a professional subject, demands the placement of the students in Industries through out the World. The Alumni from this Geology Department are working sensibly in eminent Multinational organizations like Schlumberger, British Gas, Shell, etc, National organizations like Reliance India, Tata Steel, Bedanta Group, Zindal etc. Besides a considerably large number of past students are employed in Govt. and Public sector like Oil and Natural Gas Corporation Limited, Geological Survey of India, Coal India Limited, National Mineral Development Corporation etc. A few became academicians and engaged in teaching at the College and University Levels also. Moreover, a quite number of students actively doing their research in Universities and Institutes of International repute.



Evaluative Report of the Department : HINDI

1. Name of the department : HINDI
2. Year of Establishment : B.A.General Course : 1953-54
B.A. Honours Course : 2007-2008
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): U.G : B.A.Honours and General in Hindi.
4. Names of Interdisciplinary courses and the departments/units involved : None
5. Annual/ semester/choice based credit system (programme wise) : UG : Annual
6. Participation of the department in the courses offered by other departments : None
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: None
8. Details of courses/programmes discontinued (if any) with reasons : None
9. Number of Teaching posts :

	Sanctioned	Filled
Professors		
Associate Professors		
Asst. Professors	2	2

10. Faculty profile with name, qualification, designation, specialization,

(D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,) :

Name	Qualification	Designation	Specilization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Pramode Kumar Prasad	M.A.; B.Ed.; Ph.D.	Assistant Professor	Tulsi Das	6 yrs	Nil
Sri Ramjit Prasad	M.A.; B.Ed.; Ph.D (cont.)	Assistant Professor	Katha Sahitya	3 yrs	Nil
Dr. Anil Kr Singh	M.A. ; Ph.D.	Part Time Lecturer	Surdas	5 yrs	Nil

11. List of senior visiting faculty : Nil

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

Courses of	Temporary Faculty (%)
UG 1 st Year	30 %
2 nd Year	35 %
3 rd Year	45 %

13. Student -Teacher Ratio (programme wise) : 20 : 01

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : None

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.

Ph.D.-2, PG-1

16. Number of faculty with ongoing projects from a) National b) International funding : agencies and grants received : None

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: 01 - UGC Minor Research Project

Title : “Nagarjun Ke Kabya Me YugaChetana “(cont....); Received Rs. 90,000

(Nineteen Thousand) from Rs.101500 (the Amount being sanctioned now.)

18. Research Centre /facility recognized by the University : None

19. Publications:

DR. PRAMODE KUMAR PRASAD

PUBLICATION

1. Jayashankar Prasad ke sahitya me samajik chetana , Samaj- sanskriti { vol.04, no-1 } February – 2005, Raniganj.
2. Jayashankar Prasad katha sahitya srijan aur distichon, chinta sahchinta,2006, sahyogi praksahan, Kanpur.
3. Kahanikar munshi premchand , J.K.Times {vol.03}, July 2008, J.K. College, purulia
4. Rabidas: Muslim so dosti ,Hinduan so kar prit , laljhand{diwali bisesank}, 2009, Raniganj.
5. Bhavani Prasad mishra ke kabya me wayangya{ Bhavani Prasad mishra srijan aur chintan } 2013, ISBN NO- 978-93-82432-84-5.
6. Nagajun ke kabya par gandhiwadi pravhaw- J.K.Times,International journal {vol.06}2013.

Paper Presented/ Participated in National/ International Seminar/ Workshop/ Conference By Dr. Pramode Kumar Prasad

Sl. No	Topic	Presented/ Participated	Sponsored Authority	Venue	Date/Month
1	Aacharya Hajari Prasad Diwivedi: Chinten aur srijan	Participated	UGC National Seminar	Dept. of Hindi, The University of Burdwan.W.B	04 th April 2008
2	Ramdhari singh Dinkar: Srijan aur Chinten	Participated	UGC National Seminar	Dept. of Hindi, Mankar college, Burdwan.W.B	09 th - 10 th April 2008

Sl. No	Topic	Presented/ Participated	Sponsored Authority	Venue	Date /Month
3	Chayawad: Mulayakan ke Naye Pariprachya	Presented	UGC National Seminar	Dept of Hindi B.B.College, Asansol Burdwan.W.B	19 th -20 th November 2011
4	Economics Development And Liveihood Options	Presented	UGC National Seminar	Dept. of Economics, J.K.college, Purulia, Burdwan.W.B	8 th -9 th December 2011
5	Hindi jati ki Aawdharana aur Ram vilash Sharma	Participated	National Seminar	Hindi Mala, Kolkata,W.B	31 st December 2011
6	Rabindranath Thakurer Boier Golper aakar prakar evam vinata	Presented	UGC National Seminar	Asansol Girls college Burdwan.W.B	9 th -10 th february 2012
7	DR.Rambilash Sharma: Srijan –Sambad	Participated	UGC National Seminar	Rani Birdla Girls college, Kolkata,W.B	02 nd -2 rd March 2012
8	Visva paridrishya me Hindi	Presented	UGC National Seminar	V.B.Visvavidyalaya, Hazaribagh, Jharkhand	16 th -17 th March 2012
9	Aagayae aur Prakriti	Participated	UGC National Seminar	Dept. of Hindi, The University of Burdwan.W.B	21 st March 2012
10	Nagarjun Ke Sahitya ke Waisissitya	Presented	UGC International Seminar	Sidhu- kanhu-Murmi Visvavidyalaya, Dumka,Jharkand, India	27 th -29 th March 2012
11	Samkalin katha Sahitya aur Mahila Lekhen	Presented	UGC National Seminar	Sri Arvind Mahila College, Patna,Bihar	27 th -28 th April 2012
12	Kasinath Singh ka Rachana Kendra	Participated	National Seminar	Hindi Acamic,Asansol Nagar Nigam, Burdwan.W.B	2 nd Dec 2012
13	Bhawani Prasad mishra ke kavya me prakrit chitran	Presented	National seminar	Dept of hindi, MMM college , Durgapur,W.B	23 rd February 2013
14	Rambilash Sharma ka Aalochana kam: vivid sandarv	Presented	UGC National Seminar	Dept. of Hindi, The University of Burdwan.W.B	12 th -13 th march 2013
15	Hindi sahitya samelan prayag	Participated	Hindi conference	Visva bharati shantiniketan W.B	16 th -17 th march 2013
16	Slam jivan aur hindi ka katha sahitya	Presented	UGC National Seminar	Karim city college,Jamshedpur, Jharkhand	20 th -21 st march 2013
17	Dr. Rambilash Sharma ke chintan ka punarmulayakan	Presented	UGC National Seminar	Dept. of Hindi, Mankar college, Burdwan.W.B	13 th -14 th august 2013

PROF. RAMJIT PRASAD

PUBLIATION

1. Dalit sahitya aur om praksah balmiki , J.K.Times, J.K.College, Purulia.[vol. 06,2013]

Paper Presented/ participated in National/ International seminar/ workshop/ conference By prof. Ramjet prasad

Sl. No	Topic	Presented / Participated	Sponsored Authority	Venue	Date / Month
1	Human Rights Education on an introduction	Participated	U.G.C state level seminar	Dept. of history, J.K.College, Purulia	9 th -10 th sept 2011
2	Bengala partvati natak	Participated	U.G.C national seminar	Dept. of history, J.K.College, Purulia	29 th 30 th sept. 2011
3.	Economic development and livelihood options	Participated	U.G.C national seminar	Dept. of history, J.K.College, Purulia	8 th -9 th December 2011
4	Agayan aur Prakriti	Participated	U.G.C national seminar	Dept. of hindi, University of burdwan	21 st march 2012
5	Rambilash Sharma ki alochana drishti	Presented	U.G.C national seminar	Dept. of hindi, University of burdwan	13 th & 14 th aug.2013

DR. ANIL KUMAR SINGH :

PUBLIATION

1. kavi dinkar : Atatit ke harokhe, se samara shesh hai .New Delhi-2007.
2. Ramvrish Benipuri ka Rachna Sansar, Akshra, Hindi Bhavan ; Shayamlahilsh; Bhoal, July – August – 2008.
3. Aprvansh Shatya Ke Kavi: Shambhu Aur Purhdant, Aprvansh Bharati,

- Shodh Patrika Apravnshshatya Akademi, Rajasthan, Oct 2007-2008.
4. Shrivishnuchandra Sharama Se Dr Anil Kumar Singh Sangar ki Batchit, Saryudhara, Hindi Bhavan, Santiniketen, vol-26, 2008.
 5. Shahitya Asawadan Aur Akrshan Anhinavakadam-20, Shahiyikyak-Sanskrit Sanstha, Mandhan, Maunath, Vanjan. Mau. Dec 2008-may, 2009.
 6. Rashtiya Kavya Dhara Ke Savshersth Kavi "DINKAR". Pragati Varta, Shaebgunj, Jharkand, January, 2009.
 7. Deshij Chetana Ke Kavi: Trilochansharastri. Samay Survi Anant, Shivpuri, Begusaraya, vol.IV, January – March, 2009.
 8. Vilksan Prativa Ke Shatyakar –Archrya Hajri Prasad Duvedi, Hajri Prasad Duvedi Samriti Granth, Hindi Bhavan, Santiniketen, 2009.
 9. Sambad: Khandra Thakur Se, Saryudhara, Hajri Prasad Duvedi Per Akrag, Hindi Bhavan, Santiniketen, vol-27-28, 2009.
 10. Kabir Ka Kavya , J.K.Times, Vol.IV, J.K.College , Purulia, 2010.
 11. Meragawan Banam Adhagawan. In Rahi Masum Rajha: Kritisav Avammulyankan. Vijay Prakasan Mandir, Varanasi, 2011. (In Book Chapten).
 12. Rabindranath ki Kavya Chetana. In Rabindranath Aur Hindi Sahitya. Anadna Prakasan, Kolkata, 2012. (In Book Chapten).
 13. Human Rights Education: An Introdudcation. In Human Rights And Human Development: Some Issues. Amode Book Publishing House. Balarnpur, Purulia, West Bengal, 2012. (In Book Chapten).
 14. Dr. Ajab Sing Ki Swachandatawati Samiksha- Dristhi. Golden Research Thoughts, Solapur, August, 2012 (International).
 15. Archrya Nand Dulary Vajpayee: Kritisavammulyankan, J.K.Times, J.K.College , Purulia, 2013. (International).

Paper Presented/ participated in National/ International seminar/ workshop/ conference By Dr. Anil Kumar Singh.

Sl. No	Topic	Presented / Participated	Sponsored Authority	Venue	Date / Month
1	Recent trend in herbal research	Participated	UGC National seminar	Raghunathpur College, W.B	7th-8 th Jan. 2011
2	Value based education: Necessity and Implementation	Participated	UGC National seminar	Khatra college bakura W.B	21 st -22 nd Jan. 2011
3	Science and Nature: Tagore's vision and its Relevance	Participated	UGC National seminar	Shikha bhavan visva bharati	12 th -13 th march 2011
4	Rabindranath ki sahithya chetana	Presented	UGC National seminar	Det. Of hindi & bengali, N.B.S mahavidyalaya jalpaiguri	28 th -29 th march 2011
5	Janma sardha shata barase rabindranath	Participated	UGC National seminar	Det. Of bengali, balrampur college, purulia	8 th august 2011
6	MGNREGA: Theoretical perspective and Implementation	Participated	UGC National seminar	Det. Of Economics and political science, raghunathpur college, W.B	1 st -2 nd sept. 2011
7	Human right education: An introduction	Presented	UGC state level seminar	Dept. of history, J.k. college, purulia	9 th -10 th sept. 2011
8	Bengala parativadi natak	Participated	UGC National seminar	Dept. of bengali, J.k. college, purulia	29 th -30 th sept. 2011
9	Nand dularya Vajpayee tatha chayavad	Presented	UGC National seminar	Dept of hindi, B.B. college, Asansol W.B	19 th -20 th Nov. 2011

Sl. No	Topic	Presented / Participated	Sponsored Authority	Venue	Date / Month
10	Economic development and livelihood options	Participated	UGC National seminar	Dept. of economics, J.k. college, purulia	8 th -9 th Dec, 2011
11	Ajayan and parkrit	Participated	UGC National seminar	Dept of hindi, The university of Burdwan	21 st march 2012
12	Kashinath singh ka kath sahitya	Presented	National seminar	Prayash Asansol W.B	2 nd December 2012
13	Bhawani Prasad mishra ke kavya me prakrit chitran	Presented	National seminar	Dept of hindi, MMM college, Durgapur, W.B	23 rd February 2013
14	Hindi sahitya samelan prayag	Participated	Hindi conference	Visva bharti shantiniketan W.B	16 th -17 th march 2013
15	Basanti upinayas me salam jivan	Presented	UGC National seminar	Karim city college, jamshe dpur, Jhardhand	20 th -21 st march 2013
16	Swami Vivekananda ke darsanik vichar: Aj ke sandharv me	Presented	UGC National seminar	Dept. of Sanskrit Raghunathpur college, W.B	23 rd -24 th august 2013

- * Number of paper
- * 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

Areas of consultancy and income generated: Nil

20. Faculty as members in

a) National committees b) International Committees c) Editorial Boards: 02

21. 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

22. Awards/ Recognitions received by faculty and students: Nil

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

- i) Dr. Goutam Sanyal, The University of Burdwan
- ii) Dr. Vijay Kumar Bharty, The University of Burdwan
- iii) Dr. Damodar Mishra, Vidyasagar University.

24. Seminars/ Conferences/Workshops organized & the source of funding

- a) National : NIL
- b) International: Nil

25. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
Hindi Hons: 2010-13	Central Counselling System	21	1	20	50%
Hindi Hons: 2011-14		14	0	14	-
Hindi Hons: 2012-15		17	1	16	-
Hindi Hons: 2013-16		20	0	20	-

*M=Male F=Female

26. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
Hindi Hons: 2011-14	100%	0%	0%
Hindi Hons: 2012-15	100%	0%	0%
Hindi Hons: 2013-16	100%	0%	0%

27. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

No systematic record has yet been kept, but many students qualified in different Administrative Services examinations and other competitive examinations, including NET, SLET, GATE & School Service Commission Examinations.

28. Student progression

Student progression	Against % enrolled
UG to PG	100%
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 	
Entrepreneurship/Self-employment	

29. Details of Infrastructural facilities

a) Library: Central library

Central Library – No of Books- 3375 . No of journals - 05

b) Internet facilities for Staff & Students: Available for Staff and Students.

c) Class rooms with ICT facility: No

d) Laboratories: NA

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

Among existing students of the department, 20 students are availed Full / Half free-ship from college and 17 students from SC/ST/OBC categories are availed financial assistance from government or other agencies.

31. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: Several Seminar on Different title, Special lectures are conducted for all Hindi Honours students year wise. Seminar classes are held for 3rd year honours students.

32. Teaching methods adopted to improve student learning: Chalk and Black Board, Marker pen and White Board.

33. Participation in Institutional Social Responsibility (ISR) and Extension activities:
10% students (approx) participate participated in NSS, NCC and Games and sports, Essay competition Mock parliament etc.

34. SWOC analysis of the department and Future plans

Strength-

- The motivation to the students is ensured by the dedicated faculty members with modern teaching methodologies.
- Rich library
- Good infrastructure of the college including clean and quiet environment
- Extra class and student communication.
- Informal teacher-student relationship.
- Good interpersonal relationship among faculty members.

Weakness-

- Shortage of fulltime faculties.
- Lack of access to libraries outside the campus.
- Unavailability of classrooms dedicated to use by the department.

Opportunity-

- To use the scope provided by academic autonomy to develop.
- Excessive texts or exams, in interactive and interesting ways.
- A good number of students are placed in different kind of Govt. and non Govt. jobs.

Challenge-

- To evolve as a centre of excellence with academic flexibility so that faculty members can recharge themselves and students gain recognition and reward.
- To obtain the allotment of ISBN/ISSN so that the department may issue its own journal to which contributions by eminent academicians, researchers, and teachers, may be sought.

Evaluative Report of the Department : HISTORY

1. Name of the department : History
2. Year of Establishment : Inter-Arts course : 1948-49
B.A. Pass course : 1953-54
Honours : 1965-66
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG : B.A. Honours and General in History
4. Names of Interdisciplinary courses and the departments/units involved :
None
5. Annual/ semester/choice based credit system (programme wise) :
UG: Annual
6. Participation of the department in the courses offered by other departments :
None
7. Courses in collaboration with other universities, industries, foreign institutions, etc.
: None
8. Details of courses/programmes discontinued (if any) with reasons :
None
9. Number of Teaching posts

	Sanctioned	Filled
Professors		
Associate Professors		2
Asst. Professors	04	2

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

Name	Qualification	Designation	Specilization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Abu Sufian	M.A., M.Phil	Associate Professor	Modern Europe	28+	Nil
Dr. Dipa De	M.A., Ph.D.	Associate Professor	History of U.S.A.	19+	Nil
Dr. Kakoli Tah	M.A., Ph.D.	Assistant Professor	Archaeology, Epigraphy	11+	Nil
Sri Mantu Barai	M.A., B.Ed.	Assistant Professor	Modern India	3+	Nil
Sri Sandip Mukherjee	M.A.	Part time Lecturer	Modern India	5	Nil
Smt. Mousumi Roy	M.A.	Part time Lecturer	Ancient India	5	Nil

11. List of senior visiting faculty : None
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : 28%
13. Student -Teacher Ratio (programme wise)
Honours – 35:1, Pass (Hons.) – 70:1, Pass (General) – 200:1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : None
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.
Ph.D. – 2, M.Phil.- 1, PG - 3
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : None
17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total

grants received : None

18. Research Centre /facility recognized by the University : None

19. Publications:

* a) Publication per faculty

1. Dr. Dipa De :-

Research Projects :

15. Number of Research Projects Completed : 01

UGC Minor Research Project

Dr. Dipa De (2005-2007), “The Bhumij in Bengal in the Nineteenth and Twentieth Centuries : A Socio- Cultural Transformation.”

Grant in Aid received: - UGC (F.PHW- 010/04-05(ERO) dated – 11.03.2005)

Journal

1. 2005-2006, Open eyes, Journal of S.R.L.Mahavidyalaya, Vol.- 2, No- 1&2, June-Dec.- 2005. Pub.by S.R.Lahiri Mahavidyalaya, Nadia.

Article : “Changes in the Socio- Economic Environment and the Bhumij Tribe in Purulia”,

2. 2007-2008, Open eyes, Journal of S.R.L.Mahavidyalaya, Vol. 4, 1&2, June-Dec. 2007. Pub.by S.R.Lahiri Mahavidyalaya, Nadia.

Article : “Magico – religious Approach of the Bhumij Tribe to the Treatment of Diseases and calamities”.

3. J.K.Times, Vol. IV, Pub. by – J.K.College, Purulia,2010-11,Article : Vaishnavism & the Bhumij in Manbhum.

4. Antorjatik Pathsala, Vol. I : Issue I, July – sept., 2011, A Non- Conventional Multi- Disciplinary Quarterly Journal in Bengal. ISSN- 2230-9594. Article :

‘Manbhume Arjeekaran prakriya o Bhumij Janajati.’ Pub. by Pathsala Productions, Howrah.

5. Article : “Bibartaner Dharay Puruliar ‘Chow’ nach”. Antarjatic Pathsala, 4th coming issue- Oct.- Dec. 2013, ISSN – 2230-9594.
6. Article : “Impact of feudalism on the Bhumij of Jangal Mahal”. J.K.Times : A multi disciplinary Internation Journal, Vol. VI, 2013, Pub. by – J.K.College, Purulia,(4th coming issue).

Ph.D. Thesis, 2008

Title :- The Bhumij in Bengal in the Nineteenth and Twentieth Centuries : A Socio- Cultural Transformation.

Supervisor : Dr. Achintya Kumar Dutta, Professor, dept. of History Burdwan University, West Bengal.

Workshop

1. A Five-day UGC Sponsored Workshop on capacity Building of Women Managers in higher Education(Sensitivity/Awareness/Motivation).

Dated- 15th -19th January, 2011.

Organised by : Library and Women Studies Centre, Lady Brabourne College, Kolkata

Books Edited

1. Number of Edited Books : 01

Title : Human Rights and Human Development : some issues – 2012

(Proceedings of UGC Sponsored Seminar)

Pub. by: Amode Book Publishing house.Balarampur, Purulia, W.B.

ISBN : 978-81-923363-4-3

Articles in seminar Proceedings (2012-13)

- Article : “Problems of Tribal Development & the role of MOTA”, Human Rights and Human Development : Some Issues, Edited by Dr. Dipa Chattopadhyay, ISBN : 978-81-923363-4-3, Pub. by : Amode Book Publishing House, Balarampur, Purulia, 2012.
- Article : “Swami Vivekananda : Bharatiya Jatiyatabader Prabakta.” Relevance of Vivekananda’s Philosophy in the Perspective of his 150th Birth Anniversary, Edited by : Dr. Milan Kanti Satpathi, ISBN : 978-81-923363-2-9. Pub. by : Amode Book Publishing House, Balarampur, Purulia, 2012.
- Article: “Jangal Mahal unish sataker Bhumij Bidroho : karan o samajik, Sanskritik provab.” Tribal Protest Movement in the 18th & 19th Century, Edited by : Dr. Milan Kanti Satpathi, ISBN : 978-81-923363-3-6. , Pub. by : Amode Book Publishing House, Balarampur, Purulia.

Patrika

- Article : “Itihas : Prasangikata o uttar Rachana Paddhati.” Batighar (A Half – yearly patrika for students), June- 2013, Purulia.

Workshop & Seminar attended (without paper presentation) from 2005-2013.

- National Seminar (2nd & 3rd Sept. 2005)
Organised by : Dept. of Economics J.K. College, Purulia
Title : “IPRS – its impact on Pharmaceutical, Agriculture & Rural Technology”.
- 8th Annual Conference of the Indian Economic Association.
Date : 27th-29th Dec. 2005.
Organised by : School of Economics, Andhra University, Visakhapatnam, A.P.
- 26th Annual Conference of Bangiya Arthaniti Parisad.

Date : 10th -12th Feb. 2006.

Organised by : Dept. of Economics & Politics Vidya-Bhaban, Visva- Bharati, Santiniketan.

- International Seminar on Forest Management and Sustainable Development : Economic and Environmental Issues

Date: 27th -28th Feb. 2011

Organised by : Rabindra Bharati University.

- National Seminar on “Prospects & Challenges for Rural Economic Development”,

Date : 11th – 13th March, 2011

Organised by : Dept. of Economics & Politics Vidya-Bhaban, Visva- Bharati, Santiniketan

- UGC Sponsored National Seminar On “Challenges of common Prosperity Resources”.

Date : 22nd- 23rd Sept.2011

Organised by : Kashipur M.M.Mahavidyalaya, Purulia

Workshop

- Topic : “Education, Gender & Development in West Bengal”

Date : 13th March, 2011

Organised by : Dept. of Economics & Politics Vidya-Bhaban, Visva- Bharati, Santiniketan.

Seminars conducted by the college (2011)

- Organising Secretary of the UGC Sponsored State- Level Seminar

Organised by : Dept. of History, J.K.College, Purulia.

Date : 9th & 10th Sept. 2011

Topic : “Human Rights and Human Development”.

- UGC Sponsored National - Level Seminar

Organised by : Dept. of Bengali, J.K.College, Purulia.

Date : 29th & 30th Sept. 2011

Topic : “Bangla Pratibadi Natak”.

- UGC Sponsored National - Level Seminar

Organised by : Dept. of Economics, J.K.College, Purulia.

Date : 9th & 10th Dec. 2011

Title : “Economic Development & the Livelihood Option”.

2. Dr. Kakoli Tah :-

Published Papers in Journals :

- Tamralipti – A glory of Old, (2006), J.K.Times, Vol. II, J.K. College, Purulia
- Literature used as a source for re- constructing the urban History of Bengal (600A.D.- 1200A.D.), J.K.Times, Vol. –III, J.K. College, Purulia. ISSN : 2278 – 4047, PP – 55 - 58
- Development of Caste – System in Ancient India (2010), J.K.Times, Vol. –IV, J.K. College, Purulia. ISSN : 2278 – 4047– 4047
- Port – Towns of early medieval eastern India (2012), Journal of Ancient India History, Vol. – XXVII, University of Calcutta. ISSN : 0075-4110, PP- 204-219.
- Nalanda – a great centre of learning (2013), J.K.Times, Vol. – VI, J.K.College, Purulia. ISSN : 2278-4047

Paper accepted in Journal

- Emergence of local lineages as rulers in Eastern India in the post Gupta period (C.5th Century A.D. – 7th Century A.D) in journal of History, Jadavpur University, will be published by the end of 2013.

Published paper in Seminar Proceedings:

- Manobadhikar sonkranto kichu tathya (2012), Seminar Proceedings on Human Rights & Human Development, State Level seminar held in J.K. College, Purulia, on 9th & 10th Sept. 2011. ISBN : 978 – 81-923363-4-3, PP – 89-94.

Ph.D. Awarded

- Awarded Ph.D. degree in the year March, 2011 from Visva-Bharati.
Title : Urban Centres in Eastern India – A-Study C. 6th Century A.D. – C.12th Century A.D.

Hence Submitted a Minor Research Project to UGC on Sept. 2013.

Paper Communicated in Journals :

- Trade in early medieval Eastern India (6th century A.D. – 9th century A.D.) in J.A.I.H.University of Calcutta .

Paper accepted in the edited volume of The University of Burdwan:

- Development in urban studies in History – the scenario of medieval period in India . Communicated in the ASC, BU edited volume on ‘Development Studies’, University of Burdwan 2013.

3. Prof. Mantu Barai :

Published paper in Seminar Proceedings:

- Human Rights & Human Development: Some Issues, Edited by Dr. Dipa Chattopadhyay, ISBN : 978 – 81-923363-4-3, Purulia, 2012. Article: “Manobadhikar o Bartaman Bharater Narir Adhikar”. PP - 101 – 110

- “Tribal Protest Movement in the 18th & 19th Century”, Edited by Dr. Milan Kanti Satpathi, Balarampur, Purulia, 2012, ISBN : 978-81-923363-3-6, Article : “Manbhume Chuar Bidroho (1767 -1805 A.D.)”
- ‘Relevancy of Vivekananda’s Philosophy in the Perspective of his 150th Birth Anniversary,’ Edited by Dr. Milan Kanti Satpathi, Balarampur, Purulia, 2012, ISBN : 978-81-923363-2-9, Article : “Swami Vivekanander samaj darshan”
- “Jungal – Muhal : Continuity & Change”. 2012, Kolkata. Chief edited by : Sanjoy Mukherjee, ISBN : 978-81-89846-46-6, Article : Santal Bidrohe Gujaber Bhumika,

Journal (Paper accepted)

- Article : “Uttarbange Tebhaga Andolane Nari Sangramer Bhumika”. J.K.Times : A multi disciplinary International Journal, Vol. VI, 2013, Pub. by – J.K.College, Purulia, ISSN : 2278 – 4047 (4th coming issue).

Seminar attended (with paper presentation)

- UGC Sponsored State Level Seminar on “Thoughts of Mahatma Gandhi – An Evaluation”. Organised by Netaji Subhas Ashram Mahavidyalaya, Suisa, Purulia, on 15 & 16 Sept. 2011.
- UGC Sponsored State Level Seminar on “Human Rights & Human Development”, Organised by : Dept. of History, J.K.College, Purulia, on 9th & 10th Sept. 2011.
- 27th Annual Conference of the Paschimbanga Itihas Samsad held on 24- 26 Jan., 2011 at University of Calcutta.
- UGC Sponsored National Seminar on “Partition of Bengal (1905) and Rabindra nath Tagore”. Organised by : Panchakot Mahabidyalaya, Sarbari, Nituria, Purulia, on 1st & 2nd Dec. 2011.

- UGC Sponsored State Seminar on “Heritage of Bishnupur”, Organised by : Dept. of History, Ramananda College, Bishnupur, Bankura, on 22nd & 23rd Sept. 2011.
- 28th Annual Conference of the Paschimbanga Itihas Samsad held on 24- 26 Jan., 2012 at Vivekananda College, Thakurpukur.
- UGC Sponsored National Seminar on “Oscillating Historicity of Jungal – Muhal : A query with regard to its legacy”. Organised by : Dept. of History, Saldiha College on 4th & 5th Oct. 2012.
- UGC Sponsored National Seminar on “Relevancy of Vivekananda’s Philosophy in the Perspective of his 150th Birth Anniversary”. Organised by : , Balarampur College, Purulia, on 24th & 25th Feb. 2012.
- UGC Sponsored National Seminar on “Tribal Protest Movement in the 18th & 19th Century”. Organised by: , Balarampur College, Purulia, on 2nd & 3rd March 2012.
- UGC Sponsored National Seminar on “History in Literature- Literature as History”, Organised by : Kulti College, Kulti, Burdwan, on 12th & 13th Jan. 2012.
- UGC Sponsored National Seminar on “Swami Vivekananda : The Multi – Dimensional Personality”, Organised by : Khatra Adibasi Mahabidyalaya, Khatra, Bankura, on 1-2 Feb., 2012.
- UGC Sponsored National Seminar on “Reflection of Vedantic Thoughts in Swami Vivekananda”, Organised by : Raghunathpur College, Raghunathpur, Purulia, on 23 – 24 August, 2013.
- 29th Annual Conference of the Paschimbanga Itihas Samsad held on 24- 26 Jan., 2013 at Lady Brabourne College, Kolkata.

4. Prof. Sandip Mukherjee :

Workshop

- Chou Dance, 2011.

Journals

- Article : Fasibad o Samrajyabad Biridhi Rabindranath. J.K.Times, Vol-IV, 2011.
- Article : Swami Vivekanandar Mantra Siswa Netaji Subhas Candra. J.K.Times, Vol-V, 2012,ISSN : 2278 - 4047
- Article : Drainage of wealth in the colonial times to present age. J.K.Times, Vol-VI, 2013,ISSN : 2278 - 4047

Edited Journal

- Edited literary journal “Natun Pata”(Short story, Poem, Feature and Essay – “Bharater Jatio Andoloner Diksha Guru Swami Vivekananda”)

Published paper in Seminar Proceedings:

- Human Rights & Human Development: Some Issues, Edited by Dr. Dipa Chattopadhyay, ISBN : 978 – 81-923363-4-3,Purulia,2012. Article : Child labour problem, Human Rights & Human Development.
 - * 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 : None

21. Faculty as members in

- a) National committees b) International Committees c) Editorial Boards....:
None

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme : None
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies : None

23. Awards/ Recognitions received by faculty and students

Student : 6th & 10th Position in The University of Burdwan, B.A. Part-III Exam.- 2011.

Faculty: I.C.H.R fellowship received by Dr. Kakoli Tah in 2001.

24. List of eminent academicians and scientists/ visitors to the department : None

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

- a)National: UGC Sponsored State- Level Seminar

Organised by : Dept. of History, J.K.College, Purulia.

Date : 9th & 10th Sept. 2011

Topic : “Human Rights and Human Development”.

- b)International: Nil

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected/ Admitted	Enrolled		Pass percentage
			*M	*F	
History Honours 2010-13	Central Counselling System	48	39	09	81.81%
History Honours 2011-14		53	43	10	
History Honours 2012-15		57	51	06	
History Honours 2013-16		71	59	12	

*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
History Honours 2011-14	100%	0%	0%
History Honours 2012-15	100%	0%	0%
History Honours 2013-16	100%	0%	0%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

No systematic record has yet been kept, but many students qualified in different Administrative Services examinations and other competitive examinations, including NET, SLET, & School Service Commission Examinations.

29. Student progression

Student progression	Against % enrolled
UG to PG	70%
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 	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

a) Library

Central Library – No. of Books , No. of Journals

b) Internet facilities for Staff & Students : None

c) Class rooms with ICT facility : None

d) Laboratories : None

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

Among existing students of the department, 41 students are availed Full / Half free-ship from college and 37 students from SC/ST/OBC categories are availed financial assistance from, government or other agencies.

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

A seminar on 'Deforestation in colonial India and infectious diseases in colonial India' on 29th November 2000

33. Teaching methods adopted to improve student learning

Chalk and Blackboard, Lecture Method, Remedial Courses, use of OHP and Power Point etc.

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

10% Students (Approx) participated in NSS, NCC and Games and sports, Essay competition, mock parliament etc.

35. SWOC analysis of the department and Future plans

Strength :-

The Department of History is rich in faculty members consisting of four full timers and two part timers. Therefore the department can provide full fledged education and lectures. Syllabus is completed within stipulated time.

Weakness:-

The department does not consist of very meritorious students. Faculty members have to work very hard in order to retain the standard.

Opportunities :-

Immense opportunities are there for students in ensuring a permanent job in schools, colleges, civil service and other competitive examinations.

Challenges :-

To evolve as a centre of excellence with academic flexibility so that faculty members can recharge themselves and students gain recognition and reward.

Future Plans : -

The Dept. has Planned to Conduct a UGC Sponsored National Seminar in near future.

(D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specilization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Kanai Lal Dutta	M. Sc., Ph.D.	Associate Professor	Solid Mechanics	23	Nil
Dr. Ganesh Chandra Gorain	M. Sc., Ph.D.	Associate Professor	Solid Mechanics	16	One
Sri Tushar Kanti Das	M. Sc., B.Ed.	Assistant Professor	Solid Mechanics	8	Nil
Sri Abhijit Bhattacharya	M. Sc., B.Ed.	Contractual Lecturer	Advanced Functional Analysis & Advanced Operation Research	3	Nil
Sri Sanjay Dutta	M. Sc.	Contractual Lecturer	Advanced Functional Analysis & Advanced Operation Research	3	Nil
Sri Rajib Ghosh	M. Sc., B.Ed.	Contractual Lecturer	Advanced Functional Analysis & Advanced Operation Research	3	Nil

11. List of senior visiting faculty :

1. Dr. Ajoy Kr. Choudhuri, M. Sc., Ph.D.
2. Sri Tarun Kr. Garai, M. Sc.
3. Sri Pradip Kr. Dutta, M. Sc.

12. Percentage of lectures delivered and practical classes handled (programme wise)

by temporary faculty :

Courses of		Temporary Faculty (%)
UG	1 st Year	35 %
	2 nd Year	35%
	3 rd Year	20%
PG	1 st Sem	60%
	2 nd Sem	50%
	3 rd Sem	70%
	4 th Sem	75%

13. Student -Teacher Ratio (programme wise) : 40 : 1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : None
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.

Ph. D - 2 , PG : 1

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : None
17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received :

UGC Minor Research Projects

- I. G. C. Gorain (2004-2006), “Mathematical Stabilization of a Vibrating Elastic Structure”, during 04. 05. 2004--03. 05. 2006. Grant : Rs. 70,000/-
- II. T. K. Das (2009-2011) “Studies on Vibrations on Flexible Structures”, during February 2009—February 2011. Grant : Rs. 92,000/-
18. Research Centre /facility recognized by the University : None

19. Publications:

* a) Publication per faculty

1. Dr. K. L. Dutta : □ □ Articles Published in International/National Journals:

- i. “Disturbances due to a band of torsional load moving along a cylindrical hole surface in a non-homogeneous elastic media”, B. U. Journal of science, Vol. 4-5, 99-104, Dec., 1988, K. L. Dutta and S. K. Chakraborty.
- ii. “Random Rayleigh waves in non-homogeneous elastic media”, Indian J. Pure and Appl. Math., 20(9), 646-653, June, 1989, K. L. Dutta and S. K. Chakraborty.
- iii. “Dynamic response of an elastic medium to random cylindrical sources”, Indian J. Pure and Appl. Math., 21(9), 867-877, Sept, 1990, K. L. Dutta and S. K. Chakraborty.
- iv. “Non-linear effects on longitudinal waves in a non-homogeneous elastic medium”, Proc. Nat. Acad. Sci. India 62(A), III, 1992, K. L. Dutta and S. K. Chakraborty .

2. Dr. G. C. Gorain : □ □ Articles Published in International/National Journals:

A. Research Publications:

- Number of Research Papers Published : 27
19. G. C. Gorain, (1997) “Exponential Energy Decay Estimate for the Solutions of Internally Damped Wave Equation in a Bounded Domain”. Journal of Mathematical Analysis and Applications, Vol. 216, pp. 510-520, (ISSN : 0893-1321).
 20. G. C. Gorain and S. K. Bose, (1998) “Exact Controllability of a Linear Euler-Bernoulli Panel”, Journal of Sound and Vibration, Vol. 217 (4), pp. 637-652, (ISSN : 0022-460X).

21. G. C. Gorain and S. K. Bose, (1998) "Exact Controllability and Boundary Stabilization of Torsional Vibrations of an Internally Damped Flexible Space Structure", Journal of Optimization Theory and Applications, Vol. 99 (2), pp. 423-442, (ISSN : 0022-3239).
22. S. K. Bose and G. C. Gorain, (1998) "Stability of the Boundary Stabilised Internally Damped Wave Equation $y''+\lambda y'''=c^2(\Delta y+\mu\Delta y')$ in a Bounded Domain in R^n ", Indian Journal of Mathematics, Vol. 40 (1), pp. 1-15, (ISSN : 0019-5324).
23. G. C. Gorain and S. K. Bose, (1999) "Boundary Stabilization of a Hybrid Euler-Bernoulli Beam", Proceedings Indian Academy of Sciences (Mathematical Sciences), Vol. 109 (4), pp. 411-416, (ISSN : 0253-4142).
24. G. C. Gorain and S. K. Bose, (2002) "Exact Controllability and Boundary Stabilization of Flexural Vibrations of an Internally Damped Flexible Space Structure", Applied Mathematics and Computation, Vol. 126, pp. 341-360, (ISSN : 0096-3003).
25. S. K. Bose and G. C. Gorain, (2003) " H_2 Estimate of a Boundary Controlled Vibrating Hybrid Structure Subject to Uncertain Forces", ASCE Journal of Aerospace Engineering , Vol. 16 (3), pp. 115 –120, (ISSN : 0893-1321
26. G. C. Gorain and S. K. Bose, (2003) "Uniform Stability of Damped Non-Linear Vibrations of an Elastic String", Proceedings Indian Academy of Sciences (Mathematical Sciences), Vol. 113 (4), pp. 443 – 449, (ISSN : 0253-4142) .
27. G. C. Gorain, (2004) "Definition of π : A controversy !", JK Times, Vol. 1, pp. 61- 62.
28. G. C. Gorain, (2006) "Boundary Stabilization of Nonlinear Vibrations of a Flexible Structure in a Bounded Domain in R^n ", Journal of Mathematical Analysis and Applications, Vol. 319, pp. 635-650, (ISSN : 0002-247X).

29. G. C. Gorain, (2006) “Exponential Energy Decay Estimate for the Solutions of n-Dimensional Kirchhoff type Wave Equation”, Applied Mathematics and Computation, Vol. 177, pp. 235-242, (ISSN : 0096-3003).
30. G. C. Gorain, (2006) “Constructions with Unmarked Ruler and Collapsible Compass”, JK Times, Vol. 2, pp. 38- 42.
31. G. C. Gorain, (2007) “Stabilization of Quasi-Linear Vibrations of an Inhomogeneous Beam”, IEEE Transactions on Automatic Control, Vol. 52 (9), pp. 1690—1695, (ISSN : 0018-9286).
32. G. C. Gorain, (2008) “Nobel Prize Not in Mathematics : An Explanation”, JK Times, Vol. 3, pp. 28- 31.
33. P. K. Nandi and G. C. Gorain, (2009) “Effect of Traffic Pollution on Eye and Nose Irritations of the People at Durgapur City”, Indian Journal of Environmental Protection, Vol. 29 (7), pp. 597—604, (ISSN : 0253-7141).
34. G. C. Gorain, (2009) “Uniform Stabilization of n-Dimensional Vibrating Equation Modeling ‘Standard Linear Model’ of Viscoelasticity”, Applications and Applied Mathematics, Vol. 4 (2), pp. 314—328, (ISSN: 1932-9466).
35. P. K. Nandi and G. C. Gorain, (2010) “Effect of Traffic Pollution on Health of the People at Durgapur (India)”, Journal of Environmental Science and Engineering, Vol. 52 (2), pp. 167-172. (ISSN : 0367-827X).
36. G. C. Gorain, (2010) “Stabilization for the Vibrations Modeled by the ‘Standard Linear Model’ of Viscoelasticity”, Proceedings Indian Academy of Sciences (Mathematical Sciences), Vol. 120 (4), pp. 495-506, (ISSN : 0253-4142).
37. P. K. Nandi, G. C. Gorain and S. Kar, (2011) “Uniform Exponential Stabilization for Flexural Vibrations of a Solar Panel”, Applied Mathematics, Vol. 2 (6) pp. 661-665, (ISSN : 2152-7385).

38. G. C. Gorain, (2011) “ Mathematics of Magic Squares”, JK Times, Vol. 4, pp. 48- 55.
 39. P. K. Nandi, G. C. Gorain and S. Kar, (2012) “A Note on Stability of Longitudinal Vibrations of an Inhomogeneous Beam”, Applied Mathematics, Vol. 3 (1) pp. 19-23, (ISSN : 2152-7385).
 40. P. K. Nandi, G. C. Gorain and S. Kar, (2012) “ Boundary Stabilization of Torsional Vibrations of a Solar Panel”, Applications and Applied Mathematics, Vol. 7 (1) pp. 455-463, (ISSN : 1932-9466).
 41. G. C. Gorain, (2012) “ A Story of Indian Zero”, JK Times, Vol. 5, pp. 15-21, (ISSN : 2278-4047).
 42. G. C. Gorain, (2013) “Exponential Stabilization of Longitudinal Vibrations of an Inhomogeneous Beam”, Non-linear Oscillations, Vol. 16 (2) pp. 157-164, (ISSN : 1562-3076).
 43. G. C. Gorain, (2013) “Exact Controllability of the Vibrations of Flexible Structures”, JK Times, Vol. 6, pp. 22- 28, (ISSN : 2278-4047).
 44. P. K. Nandi, G. C. Gorain and S. Kar, (2013) “Stabilization of transverse vibrations of an inhomogeneous beam”, QScience Connect, Vol. 2013:21, pp-1-7, (ISSN : 2223-506X).
 45. P. K. Nandi, G. C. Gorain and S. Kar, (2014) “Stability of vibrations for some Kirchhoff equations with a dissipation”, Applications of Mathematics, Accepted, (ISSN : 0862-7940).
- Number of Research Papers Communicated : 05
 1. S. Misra and G. C. Gorain, “Stability of the vibrations of a damped inhomogeneous string”. Applied Mathematics and Computation, (ISSN : 0096-3003).
 2. Margareth Alves, , Siddhartha Misra, Ganesh C. Gorain and Octavio Vera, “Stability of the vibrations of a damped general inhomogeneous wave

equation with thermal effect” Differential and Integral Equations, (ISSN : 0893-4983).

3. G. C. Gorain, S. Misra and Octavio Vera, “Stability of the vibrations of a damped general inhomogeneous wave equation”, Applied Mathematics and Computation, (ISSN : 0096-3003).
4. S. Misra and G. C. Gorain, (2013) “Stability of an inhomogeneous damped vibrating string” , Applications and Applied Mathematics (ISSN : 1932-9466).
5. R. Ghosh, S. Chowdhury, G. C. Gorain, S. Kar, “Stabilization of vibrations of a Damped Linear Spring using Fuzzy Transform”, Applications and Applied Mathematics (ISSN : 1932-9466).

B. Research Projects :

- Number of Research Projects Completed : 01

UGC Minor Research Project

G. C. Gorain (2004-2006), “Mathematical Stabilization of a Vibrating Elastic Structure”, during 04. 05. 2004--03. 05. 2006.

C. Book Published:

- Number of Book Published : 02

1. G. C. Gorain, (2014) “ Introductory Courses on Differential Equations” , Narosa Publishing House, New Delhi. To Appear 2014.
2. G. C. Gorain, (2014) “ Laplace Transformations” , Narosa Publishing House, New Delhi. To Appear 2014.

D. Research Guidances :

- Number of M. Phil. Scholars : 04

Successfully supervised four (one in 2008 and three in 2010) M.Phil Dissertations of the students of Vinayaka Missions University, Salem, Tamil Nadu, India.

- Number of Ph. D. Scholars : 05

Successfully supervised one Ph.D. Scholar who is awarded Ph.D. degree in mathematics (science) from National Institute of Technology, Durgapur, West Bengal, India on February 04, 2013. Currently involved in supervising four more Ph.D. Scholars.

3. Prof. T. K. Das : □ □

Research Projects :

- Number of Research Projects Completed : 01

UGC Minor Research Project

Title : “Studies on Vibrations on Flexible Structures”, during February 2009—February 2011.

- * Number of papers published in peer reviewed journals (national / international) by faculty and students
- * Number of publications listed in International Database (For e.g.: 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 : None

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards....

Dr. G.C. Gorain is a Life member of 'Indian Statistical Institute, Kolkata'

Dr. K. L. Dutta is one of the members of the Editorial Board of the interdisciplinary journal – 'J. K. Times- A Multidisciplinary Journal' (ISSN No.:2278-4047) published by the college.

Dr. K. L. Dutta is a member of Advisory Board, EDUQUEST-An International, referred journal in Education

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme

(i) PG Mathematics-4th Sem - 100% in-house project.

(ii) UG Mathematics Honours-3rd year-100% in-house project.

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

student : University Toppers in B.Sc. Mathematics Honours in the years 1977, 1985, 1987, 1990, 1994, 1996, 2001, 2003, 2013 and 1st position in University PG Mathematics Examination 2011

Dr G.C. Gorain & Dr. K.L. Dutta availed National Scholarship on M.Sc. level.

Dr G.C. Gorain ranked 1st in the B. Sc. Examination of The University of Burdwan in the Year 1990. He was awarded Junior and Senior

Research Fellowship of UGC on qualifying CSIR_UGC Eligibility Test, 1994.

Dr K.L. Dutta ranked 1st in the M. Sc. Examination of The University of Burdwan in the Year 1983.

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

1. Prof. Rabiul Islam, St. Xaviers College, Kolkata, December 22, 2012.
2. Prof. Octavio Paulo Vera Villagran, Universidad del Bio-Bio, Concepcion, Chile, January 16, 2013.
3. Prof. Samarjit Kar, NIT, Durgapur, January 16, 2013.
4. Dr. Tapati Mukherjee, V.C., SKBU, 2011
5. Prof. K.C. Chattopadhyay, Burdwan University, 2006
6. Prof. R.N. Mukherjee, Burdwan University, 2006
7. Prof. I. Lahari, Kalyani University, 2005
8. Prof. S.K. Roy Choudhury, Burdwan University, 2006
9. Prof. T.K. Pal, Vidyasagar University, 2005
10. Prof. K.S. Choudhury, Jadavpur University, 2005
11. Prof. Raj Kumar Roy Choudhury, ISI Kolkata, 2005

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

- a) National : A Seminar on Mathematics on 22nd December 2012 (Birth day of Mathematical Genius SRINIVASA RAMANUJAN)
- b) International : A Special Seminar on Mathematics to promote and popularize the study of Mathematics on 16th January 2013.

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected /Admitted	Enrolled		Pass percentage
			*M	*F	
Mathematics (Hons):2010-13	Central Counselling System	35	30	5	71.42%
Mathematics (Hons):2011-14		40	31	9	-
Mathematics (Hons):2012-15		47	33	14	-
Mathematics (Hons):2013-16		47	38	9	-

*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
Mathematics (Hons):2011-14	100%	0%	0%
Mathematics (Hons):2012-15	100%	0%	0%
Mathematics (Hons):2013-16	100%	0%	0%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

No systematic record has yet been kept, but many students qualified in different Administrative Services examinations and other competitive examinations, including NET, SLET, GATE & School Service Commission Examinations.

29. Student progression

Student progression	Against % enrolled
UG to PG	100%
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 	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- a) Library : Central Library
- b) Internet facilities for Staff & Students : Yes
- c) Class rooms with ICT facility : Yes
- d) Laboratories : Central Computer Lab

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

Among existing students of the department, 31 students are availed Full / Half free-ship from college and 22 students from SC/ST/OBC categories are availed financial assistance from government or other agencies.

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

Special lectures are conducted for all Mathematics Honours and PG students year wise. Seminar classes are held for 3rd year Mathematics Honours and PG students.

33. Teaching methods adopted to improve student learning :

Chalk and Black Board, Marker Pen and White Board, Over head projector.

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

10% students (Approx) participate NSS, NCC programme

35. SWOC analysis of the department and Future plans

Strengths and Opportunities:

- Consistently good academic results with a large number of 1st classes in U. G. & P. G..
- University Toppers in B.Sc. Mathematics Honours in the years 1977, 1985, 1987, 1990, 1994, 1996, 2001, 2003, 2013 and P G. Mathematics in the year 2011 under The University of Burdwan.
- Ex-students of the department are working as faculty members and research scholars at different National and International institutes.
- Overall good performance in the NET, GATE, SET, JAM, JOCA, JEST etc. examinations by our students.
- Excellent performances of our Ex-students in different competitive examination for jobs.
- A large number of Research Papers published in various International Journals by the teachers of the department.
- In the near future, the Department plans to start a Integrated Post Graduate course in Mathematics and M. Phil course in Mathematics
- Department of Mathematics is organising Madhava Mathematics Competition-2012 for the Mathematics Honours students – Organized by NBHM

Weaknesses and Challenges :

- Shortage of regular fulltime teachers for a long time at our department.
- Department bounds to run with several part time Teachers and Guest Teachers which sometimes causes break of teaching at middle. Sometime it is very much difficult to arrange the regular classes due to lack of skilled teachers.
- No permanent non-teaching post /staff at our department.
- No permanent technical assistant post /staff for computer Laboratory at our department.
- Department bounds to run with part time non-teaching and technical staffs.
- Shortage of space in the class rooms to accommodate adequate students.

Evaluative Report of the Department : Microbiology

1. Name of the department: MICROBIOLOGY
2. Year of Establishment: Honours 2002-2003
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): U.G
4. Names of Interdisciplinary courses and the departments/units involved: NA
5. Annual/ semester/choice based credit system (programme wise) :Annual
6. Participation of the department in the courses offered by other departments: No
7. Courses in collaboration with other universities, industries, foreign institutions, etc :No
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts

	Sanctioned	Filled
Professors		Nil
Associate Professors		Nil
Asst. Professors	01	Nil

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

Name	Qualification	Designation	Specilization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Swarup Mukherjee	M.Sc	Part time lecturer	Microbiology	10 yrs	Nil
Ratul Mukherjee	M.Sc	Part time lecturer	Microbiology	4 yrs	Nil

11. List of senior visiting faculty: No
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty: 100%
13. Student -Teacher Ratio (programme wise) 15: 1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Lab. Attendant : Sanctioned – 1, Filled up – Nil
Administrative Staff : Sanctioned – Nil, Filled up – Nil
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG. : PG - 2
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: No
18. Research Centre /facility recognized by the University : No
19. Publications:
 - * a) Publication per faculty : Research Papers Published in Peer Reviewed Journals (National/International) and Book Chapters
 - 1. Name: Ratul Mukherjee

National	International	Accepted (International Journals)
Two papers published as Book Chapters (With ISBN) in UGC sponsored National Level Seminar. One accepted for publication in book chapter (With ISBN) in UGC sponsored National Seminar.	Four Research Papers Published in Peer Reviewed International Journals.	Two research papers accepted for publication in Peer Reviewed International Journal.

- * Number of papers published in peer reviewed journals (national / international) by faculty and students:

Name of the faculty: Ratul Mukherjee

Total Publications (National/International): Six Research Papers published and Three accepted for publication.

- * 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.) - No

- * Monographs: : No

- * Chapter in Books: Two publication as book chapters(With ISBN) and one accepted for publication(With ISBN)

- * Books Edited: No

- * Books with ISBN/ISSN numbers with details of publishers: No

- * Citation Index: No

- * SNIP: No

- * SJR: No

- * Impact factor : ISRJ- 1,GRT: 1.2018, IJES-1.021

- * h-index : No

20. Areas of consultancy and income generated :NA

21. Faculty as members in

a) National committees:

- Name of the Faculty- Ratul Mukherjee

1. Life Time Member of Indian Science Congress

Association (Govt of India), (L 22554), Kolkata.

2. Life Member of Institute of Biological Sciences, Lucknow.

b) International Committees :

- Name of the Faculty: Ratul Mukherjee

1) Member of Society for Anaerobic Microbiology (SAM)

Microbiology, Pathology and Pharmacy Building,

80 Newark street, London E1 2ES, United Kingdom, Tel: +44(0)2032460295.

c) Editorial Boards....

- Name of the Faculty: Ratul Mukherjee

1) Reviewer and member of Editorial Advisory Board of Indian Stream Research Journal (ISRJ) - An International Recognition Journal.

2) As a reviewer in Octa Journal of Biosciences

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 : 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 /Admitted	Enrolled		Pass percentage
			*M	*F	
2010-2013	Central Counselling System	6	04	02	33.33%
2011-2014		12	09	03	-
2012-2013		18	11	07	-
2013-2016		30	20	10	-

*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
Microbiology Hons.	100%	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? :

No systematic record has yet been kept, but many students qualified in different Administrative Services examinations and other competitive examinations, including NET, SLET, GATE & School Service Commission Examinations.

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		
<ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 		
Entrepreneurship/Self-employment		

30. Details of Infrastructural facilities

- a) Library: central library
- b) Internet facilities for Staff & Students: For staff and students
- c) Class rooms with ICT facility: Nil
- d) Laboratories: one well equipped with instruments, Glassware.

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

Among existing students of the department, 17 students are availed Full / Half free-ship from college and 12 students from SC/ST/OBC/MINORITY categories are availed financial assistance from government or other agencies.

32. Details on student enrichment programs (special lectures / workshops / seminar) with external experts: No

By the Departmental lecturers : Special lecturers, Remedial classes for S.C and S.T candidate, students individual seminar in every month, for internal assessment conducting unit test, practicals ,and viva voce.

33. Teaching methods adopted to improve student learning: Use of overhead projector while teaching, use of audio visual studies with the help of computers, supplying study material down loaded from different web site, supplying various journals(science magazines).

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

35. SWOC analysis of the department and Future plans:

Strength:

Well-equipped lab with many necessary and valuable instrument, many glass wares for conducting practical, many text books and Reference books and C.D in microbiology, biochemistry, genetics, Molecular biology. Internet facility to search different study web site.

Weakness;

No permanent technical Lab attendant, separate sitting place for lecturers, no full time post of prof for this department

Opportunity:

Microbiologists do have great opportunities in Pharmaceutical Industries, Food and Beverage Industries, pathology lab etc. Beside having Opportunities in industries, one can go for higher studies and research work for a better and bright carrier.

Challenges:

To evolve as a centre of excellence with academic flexibility so that faculty members can recharge themselves and students gain recognition and reward.

Evaluative Report of the Department : Philosophy

1. Name of the department : Philosophy
2. Year of Establishment : 1995-96
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG (Honours & General)
4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise): Annually
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 : N.A.
9. Number of Teaching posts

	Sanctioned	Filled
Professors		
Associate Professors		2
Asst. Professors	2	

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

Name	Qualification	Designation	Spe ciliation	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Mr. Dinanath Ghatak	M.A., M.Phil	Associate Professor	Nyaya Vasesta	15 yrs – UG 2 yrs – PG	nil
Mrs. Susmita Choudhury	M.A.	Associate Professor	Nyaya Vasesta	16 yrs	nil
Mr Tapan Mahato	M.A.	Part-time	Logic	15 yrs	nil

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty: 40%

13. Student -Teacher Ratio (programme wise): 50:1 (Hons)
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: N.A.
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.: MPhil-1, PG-2
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil
17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil
18. Research Centre /facility recognized by the University: Nil
19. Publications:
 - * 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.)
 - * 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: All 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 organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil
23. Awards/ Recognitions received by faculty and students
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/Admitted	Enrolled *M *F	Pass percentage
2010-2013	Central Counselling System	24	15 9	55.55%
2011-2014		33	27 6	-
2012-2015		37	30 7	-
2013-2016		55	40 15	-

*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
Philosophy 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. ?

No systematic record has yet been kept, but many students qualified in different Administrative Services examinations and other competitive examinations, including NET, SLET & School Service Commission Examinations.

29. Student progression

Student progression	Against % enrolled
UG to PG	80%
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 	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- a) Library: No departmental library
- b) Internet facilities for Staff & Students: Available for staff and students.
- c) Class rooms with ICT facility: Nil
- d) Laboratories: N.A.

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

Among existing students of the department, 24 students are availed Full / Half free-ship from college and 19 students from SC/ST/OBC categories are availed financial assistance from, government or other agencies.

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

33. Teaching methods adopted to improve student learning: Use OHP and power point.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:
Many students participated in NSS, NCC and Games and sports, Essay competition, Mock parliament etc.

35. SWOC analysis of the department and Future plans

Strength –

- Good successful output and rich glorious heritage
- Rich library
- Good infrastructure of the college including clean and quiet environment
- Extra class and student communication
- Informal teacher-student relationship.

Weakness –

- Shortage of full time faculty members
- Lack of access to libraries outside the campus.
- Unavailability of classrooms dedicated to use by the department.
- Lack of visual aids in classrooms.

Opportunity –

- Favorable and conducive academic atmosphere in the college
- A good number of students are placed through School Service Commission, W.B. and College Service Commission, W.B.
- A good number of students are placed in different kind of Govt. and non Govt. jobs.

Challenge –

To evolve as a centre of excellence with academic flexibility so that faculty members can recharge themselves and students gain recognition and reward.

- To use the low student-teacher ratio to full effect so that infrastructure is completely and effectively utilized.
- To obtain the allotment of an ISBN/ISSN so that the department may issue its own journal to which contributions by eminent academicians, researchers, and teachers, may be sought.

Future Plan – To make the syllabus job oriented.

Evaluative Report of the Department : Physics

1. Name of the department Physics
2. Year of Establishment: Inter-Science Course : 1955-56
B.Sc. General Course :1961-62
Honours : 1979-80
3. Names of Programs /Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): UG (Honours & General)
4. Names of Interdisciplinary courses and the departments/units involved : 04
(Mathematics, Chemistry, Geology and Computer Science)
5. Annual/ semester/choice based credit system (programme wise) :
Terminal Examinations and sent-up tests for both B.Sc. Honours and B.Sc. General (Pass).
6. Participation of the department in the courses offered by other departments : NIL
7. Courses in collaboration with other universities, industries, foreign institutions, etc. : On behalf of Sidho- Kanho-Birsha University (SKBU), Purulia, PG-Physics course including Theory and Practical classes was started in the Department of Physics, J. K. College from September, 2011 and it continued up to March, 2013.
8. Details of courses/programmes discontinued (if any) with reasons :
The termination of PG-Physics course as mentioned in 7. is due to availability of own space of the Department of Physics of SKBU.
9. Number of Teaching posts

	Sanctioned	Filled
Professors	00	00
Associate Professors	00	02
Asst. Professors	05	02

For Govt. sponsored college the allocation as mentioned in column-1 regarding to the sanctioned teaching post is not valid. All sanctioned posts are filled up primarily by the designation as 'Assistant Professor' and then, on the basis of promotion, Associate Professorship is availed by the teacher joined as 'Assistant Professor'.

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. Santanu Chattopadhyay	M. Sc., Ph.D.	Associate Professor	Electronics	20	Nil
Dr. Nityananda Das	M. Sc.(Gold Medalist), M.Phil, Ph.D.	Associate Professor	Condensed Matter Physics	16	Nil
Dr. Bibhas Kumar Dutta	M. Sc., Ph.D.	Assistant Professor	Laser Spectroscopy and Quantum Optics	11	Nil
Sri Pankaj Sarkar	M. Sc., B.Ed.	Assistant Professor	Solid State Physics	8	Nil
Jayaditya Jana	M.Sc.	Guest Lecturer	Electronics	3	Nil
Arpita Singh Mahapatra	M.Sc.	Guest Lecturer	Solid State Physics	Joined Recently	Nil

11. List of senior visiting faculty : Nil

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : 23.33% of lectures delivered (given on average as shown in the table below)

Courses of		Temporary Faculty (%)
UG	1 st Year	25 %
	2 nd Year	25%
	3 rd Year	20%

13. Student -Teacher Ratio (programme wise) :

UG(General) : 50 : 1

UG(Hons.) : 10 : 1

Note: This ratio is approximately calculated for the last 5 years including guest teachers.

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : Sanctioned: 03 Filled: None

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.

Ph. D: 3, PG : 2 (Please see 10.)

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : One from UGC (National).
17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received :
- a) Completed Research Projects:
- i) Minor Research Project entitled ‘Analysis and Design of DPLL Based Receiver’ was funded by UGC within February, 2000 to May, 2002.
- The sanctioned amount was Rs. 50,000/-.
- ii) Minor Research Project entitled ‘Chaos and Phase Error Dynamics Study of Digital Phase-Locked Loop and Application’ was funded by UGC within November, 2009 to May, 2011. The sanctioned amount was Rs. 71,000/-.
- b) Ongoing Research Project:
- The ongoing Minor Research Project entitled, ‘Coherence effects in quantum systems and simulation of quantum optical effects in macroscopic domain’ is funded by UGC (Project Grant No.: PSW-164/11-12 .dt. 25/01/2012). The sanctioned amount is Rs. 1,75,000/-.
18. Research Centre /facility recognized by the University : Nil
19. Publications:
- * 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.)
 - * Monographs
 - * Chapter in Books
 - * Books Edited
 - * Books with ISBN/ISSN numbers with details of publishers
 - * Citation Index
 - * SNIP
 - * SJR
 - * Impact factor
 - * h-index

1. Dr.Santanu Chattopadhyay:

Research Achievements:

- A. Title of the Thesis: Studies on Speed-Enhanced Reduced-Distortion Digital Phase Locked Loops and Related Topics
- B. Research Publications (In the peer reviewed Journals, Seminars/Conferences at National and International Level):

(Given format of presentation => Authors, Year, Title, Name of the Journal, Volume No., No. of 'issue', and Page No.)

- i) B.C.Sarkar and S.Chattopadhyay, 1988, " Novel quick response, digital phase locked loop ", Electronics Letters (UK), vol. 24,no. 20,Sept.29, pp1263 –1264
- ii) B.C.Sarkar and S.Chattopadhyay, 1989, " Acquisition problem of class of second order digital phase locked loops ", Electronics Letters (UK), vol. 25.No. 8 Apr.13, pp552 – 553
- iii) S.Chattopadhyay and B.C.Sarkar, 1989, "A quick response digital phase locked demodulator with symmetric frequency characteristics", Proceedings of National Conference on Electronic Circuits and Systems (NACONECS – 89), University of Roorkee, Nov. 2 - 4, pp 597 – 598.
- iv) B.C.Sarkar and S.Chattopadhyay, 1989, "On the realization of a DPLL with Sine- o-triangular type error control signal", Proceedings of National Conference on Electronic Circuits and Systems (NACONECS – 89), University of Roorkee, Nov. 2 - 4, pp 599 – 600.
- v) B.C.Sarkar and S.Chattopadhyay, 1990, " Symmetric lock range multilevel quantized digital phase- locked FM demodulator ", IEEE Trans. Commun, vol.38, Dec. no.- 12, pp 2114 – 2116
- vi) S.Chattopadhyay and B.C.Sarkar, 1992, "Analytical aspects of the quick response DPLL ", Journal of IETE (India), vol. - 38,no. 1, pp1 - 6

- vii) B.C.Sarkar, M Nandi and S.Chattopadhyay, 1992 “ New wide range fast acting frequency tracking loop ”, Electronics Letters (UK),vol. 28.,no. – March 26, pp605 – 606.
- viii) B.C.Sarkar and S.Chattopadhyay, 1994, “A new look into the acquisition properties of a second - order digital phase locked loop”, IEEE Trans. Commun, vol. 42, no.-May 5, PP 2087 – 2091
- ix) B.C.Sarkar, S.Chattopadhyay and Ms S Sarkar, 1992, “ Structure and performance of tan-lock type digital phase locked loop ”, JEEE (Australia),vol. 12,no.-Sept 3, PP 242 - 247
- x) B.C.Sarkar and S.Chattopadhyay, 1992, “ On the structure and performance of an extended range quick response second order DPLL ”, Journal of IETE (India), vol. 38 no. 6, pp365 – 368
- xi) B.C.Sarkar and S.Chattopadhyay, 1992, “ A new digital frequency difference detector ”, Technical Proceedings of IEEE ACE '92, Nov. 21 – 23, PP 172 – 175
- xii) B.C.Sarkar, S.Chattopadhyay and N Sarkar, 1994 “ A novel numerically controlled digital phase locked loop ”, 9th. National Convention of Electronics and Telecommunication Engineers, Roorkee University, Roorkee, March 30 – 31
- xiii) Santanu Chattopadhyay, 2008, “Burst Synchronization Using First-Order Digital Phase Locked Loop”, Proceedings of The 2008 International Conference on Advanced Technologies for Communications (ATC'08) and REV'08, Oct. 6-9, Hanoi, Vietnam, PP 341-344 (Available in IEEEXPLORE)
- xiv) Santanu Chattopadhyay,2009, “Range Extension of Second Order Digital Phase Locked Loop”, International Conference on Advances in Computing, Communication and Control (ICAC3'09), Janu. 23-24, PP 227-231, Mumbai, India
- xv) Santanu Chattopadhyay,2009, “Extended Range Second Order Digital Phase Locked Loop”, International Journal of Recent Trends in Engineering and Technology (ISSN 2158-5555) , Vol 2, No. 6, November 2009, PP 169- 173

- xvi) Santanu Chattopadhyay, 2010, “Range Extended Second Order Digital Phase Locked Loop”, International Conference on Control, Communication and Power Engineering 2010, CCPE 2010, July 28, 2010, Chennai, India
*Published in ACEEE International Journal on Communication [IJCom] (ISSN 2158-7558), Vol. 1, No. 2, PP 1-5
- xvii) Santanu Chattopadhyay, 2010, “Modified Second Order Digital Phase Locked Loop with Large Lock-in Range”, International Conference on Advanced Technologies for Communications – ATC 2010, Ho Chi Minh City, Vietnam, 20 -22 Oct. PP 237-240. Available in IEEEEXPLORE
- xviii) Santanu Chattopadhyay, 2010, “Second Order Quick Response Digital Phase Locked Loop - Revisited”, International Conference on Communication, Computers and Devices ICCCD 2010, IIT Kharagpur, India, December 10-12,
- xix) Santanu Chattopadhyay, 2011, “Noise performances of Quick Response Second Order Digital Phase Locked Loop”, International Journal of Recent Trends in Engineering and Technology (ISSN 2158-5555), Vol 6, No.-Nov. 2, PP 28- 33
- xx) Santanu Chattopadhyay and Rajesh dey, “Simulated Noise performances of Modified digital Phase Locked Loops”, 2012, UGC Sponsored National Seminar on : Mathematical Modelling and Numerical Simulation of Physical Phenomena, A M college, Jhalda, Purulia, March 01-02.

*For the mentioned journals, the impact factors (not explicitly shown as they are subject to change) are greater than unity.

C. Successfully completed Research Projects:

- (a) Minor Research Project entitled ‘ Analysis and Design of DPLL Based Receiver’ was funded by UGC within February, 2000 to May, 2002.
The sanctioned amount was Rs. 50,000/-.
- (b) Minor Research Project entitled ‘Chaos and Phase Error Dynamics Study of Digital Phase-Locked Loop and Application’ was funded by UGC

within November, 2009 to May, 2011. The sanctioned amount was Rs. 71,000/-.

D. Published Book (National Level): Santanu Chattopadhyay, 2006, “A Text Book of Electronics”, New Central Book Agency, Kolkata

2. Dr. Nityananda Das :

Research Achievements:

A. Title of the Thesis: The Augmented Space Recursion and Its Applications

B. Research Publications (In the peer reviewed Journals, Seminars/Conferences at National and International Level):

(Given format of presentation => Authors, Year, Title, Name of the Journal, Volume (No. of ‘issue’ where it is suitable) and Page No.)

[1] Chattopadhyay, M., Das, N., Dan, P. K., & Mazumdar, S., 2012, Growing hierarchical self-organizing map computation approach for clustering in cellular manufacturing. Journal of the Chinese Institute of Industrial Engineers, 29(3), 181-192. (IF:0.191)

[2] Chattopadhyay Manojit, Chattopadhyay Surajit, Dan PK, Das N, 2010, SOM Clustering in Cellular Manufacturing, National Conference of Computing and Systems at Burdwan University, Dept of Computer Science, Burdwan held on 29th Jan, 10

[3] Chattopadhyay Manojit, Dan Pranab K, Das Nityananda, 2009, Multivariate Analysis of Complete Linkage Clustering Method for Cell Formation in Group Technology, JIS Management Vista, Vol III (1), pages 70-78.

[4] Subhradip Ghosh, Nityananda Das and A Mookerjee, 1997, Convergence of augmented-space recursion, J. Phys.: Condens. Matter, 9, 10701

- [5] Subhradip Ghosh, Nityananda Das and A Mookerjee, 1998, A geometrical approach to Feenberg multiple scattering series, *J. Phys. A: Math. Gen.*, 31, 2837
- [6] Subhradip Ghosh, Nityananda Das and A Mookerjee, 1998, Magnetic properties of Ni-Mo single crystal alloys; theory and experiment, *J. Phys.: Condens. Matter*, 10, 11773
- [7] Subhradip Ghosh, Nityananda Das and A. Mookerjee, 1999, TB-LMTO-Recursion for random binary alloys; a tractable representation, *Modern Physics Letters B*, 13, 205

*For the mentioned journals except the 'Journal of the Chinese Institute of Industrial Engineers', the impact factors (not explicitly shown as they are subject to change) are greater than unity.

C. Paper Presentation (International Conferences):

- [1] Manojit Chattopadhyay, Pranab Kumar Dan. Nityananda Das: The paper entitled 'Application of Self Organising Map in Machine-Part Cell Formation' (Paper N0-531) was presented in the 4th Indian International Conference on Artificial Intelligence (IICAI-09), at Siddaganga Institute of Technology, Tumkur, Karnataka, India (December 16-18, 2009).
- [2] Nityananda Das: The paper entitled 'A Growing Hierarchical Self-Organising Map approach for machine-part Cell Formation' was presented in the 5th Indian International Conference on Artificial Intelligence (IICAI-09), at Siddaganga Institute of Technology, Tumkur, Karnataka, India (December 14-16, 2011).

• Session Chairing (International Conferences):

- [1] Chaired the technical session based on Theory and Algorithms-2 during 5th Indian International Conference on Artificial Intelligence (IICAI-09); At Siddaganga Institute of Technology, Tumkur, Karnataka, India (December 14-16, 2011).

[2] Chaired the technical session based on Nonstationary Signal Analysis-1 during 5th Indian International Conference on Artificial Intelligence (IICAI-09); At Siddaganga Institute of Technology, Tumkur, Karnataka, India (December 14-16, 2011).

D. Research Project:

A proposal of a Minor Research Project entitled ‘Experimental investigation of electromagnetically induced opto-atomic effects subject to the phenomenon of atomic coherence’ is submitted to UGC for its approval.

3. Dr. Bibhas K. Dutta:

Research Achievements:

- A. Title of the Ph.D. Thesis: Quantum coherence and interference effects in driven atom
- B. List of Publications (In the peer reviewed Journals at International level):
(Given format of presentation => Authors, Year, Title, Name of the Journal, Volume and Page No.)
- 1) Bibhas Kumar Dutta, 2013, ‘Coherent control of narrow structures in absorption, transparency and dispersion by interference induced among Rabi-split resonances’, Phys. Lett. A, 377, 1890
 - 2) Indranil Bayal, Bibhas Kumar Dutta, Pradipta Panchadhyayee, Prasanta Kumar Mahapatra, 2013, Modulation of spatial propagation dynamics in a three-core linear directional coupler, Opt. Engineering, 52, 054003
 - 3) Bibhas Kumar Dutta, Pradipta Panchadhyayee, Prasanta Kumar Mahapatra, 2013, Coherent control of localization of a three-level atom by symmetric and asymmetric superpositions of two standing-wave fields, Laser Phys., 23, 045201

- 4) Bibhas Kumar Dutta, Pradipta Panchadhyayee, Prasanta Kumar Mahapatra, 2012, Precise localization of a two-level atom by the superpositions of two standing wave-fields, J. Opt. Soc. Am. B, 29, 3209
- 5) Pradipta Panchadhyayee, Bibhas Kumar Dutta, Prasanta Kumar Mahapatra, 2012, Decay Interference induced high precision localization in a multilevel atom via controlled spontaneous emission, J. Mod. Opt., 59, 1705
- 6) Bibhas Kumar Dutta, Pradipta Panchadhyayee, Prasanta Kumar Mahapatra, 2012, Phase coherence and Rabi frequency induced ultranarrow spectral line, Phys. Lett. A, 376, 3439
- 7) Indranil Bayal, Bibhas Kr Dutta, Pradipta Panchadhyayee, Prasanta Kr Mahapatra, 2012, Phase control of absorption, dispersion and gain of weak signal field in erbium doped optical fiber, J. Opt., 41, 235
- 8) Indranil Bayal, Pradipta Panchadhyayee, Bibhas Kr Dutta, Prasanta Kr Mahapatra, 2012, Optical trapping with modified exponential decay in optical waveguides via dressed continuum, J. Mod. Opt, 59, 226
- 9) Bibhas Kumar Dutta , Prasanta kumar Mahapatra, 2010, Coherent Control of spontaneous emission spectrum in a doubly driven Y-type atom, FIZIKA A, 19, 191
- 10) Bibhas Kumar Dutta , Prasanta kumar Mahapatra, 2010, Role of cavity induced decay-interference effect on vacuum-Rabi splitted spectrum, J. Mod. Opt, 57, 1331
- 11) Bibhas Kumar Dutta , Prasanta kumar Mahapatra, 2009, Controlling spontaneous emission in a driven M-type atom by low frequency coherence, Opt. Commun., 282, 3292
- 12) Bibhas Kumar Dutta , Prasanta kumar Mahapatra, 2009, Controlling spontaneous emission in a driven M-type atom by low frequency coherence, Opt. Commun., 282, 594

- 13) Bibhas Kumar Dutta , Prasanta kumar Mahapatra, 2009, Control of spontaneous emission spectrum in a driven N-type atom by dynamically induced quantum interference, Phys. Scr., 79, 065402
- 14) Bibhas Kumar Dutta , Prasanta kumar Mahapatra, 2008, Vacuum induced interference effect in probe absorption in a driven Y-type atom, J. Phys. B: At. Mol. Opt. Phys., 41, 055501
- 15) Bibhas Kumar Dutta , Prasanta kumar Mahapatra, 2008, Role of incoherent pumping scheme on gain without population inversion in four-level systems, Phys. Scr., 77, 023403
- 16) Bibhas Kumar Dutta , Prasanta kumar Mahapatra, 2007, Nonlinear optical effects in a doubly driven four-level atom, Phys. Scr., 75, 345
- 17) Bibhas Kumar Dutta , Prasanta kumar Mahapatra, 2006, Electromagnetically induced grating in a three-level Ξ -type system driven by a strong standing wave pump field, J. Phys. B: At. Mol. Opt. Phys., 39, 1145
- 18) Bibhas Kumar Dutta , Prasanta kumar Mahapatra, 2006, Study of velocity dependent collision effect on Lamb dip and crossover resonances in three-level system, FIZIKA A, 15, 927
- 19) Dipankar Bhattacharyya, Bibhas K. Dutta, Biswajit Ray, Pradip N. Ghosh, 2004, Line shape simulation and saturated absorption spectroscopic measurement of Rb-D2 transition, Chem. Phys. Lett., 389, 113
- 20) Dipankar Bhattacharyya, Bibhas K. Dutta, Biswajit Ray, Pradip N. Ghosh, 2003, Temperature and power-dependent measurements of Rb D2 transitions by Doppler-limited and Doppler-free spectroscopy, FIZIKA A, 12, 171
- 21) Dipankar Bhattacharyya, Ayan Ray, Bibhas K. Dutta, Pradip N. Ghosh, 2002, Direct measurement on transparent plates by using Fizeau interferometry, Opt. Las. Tech., 34, 93

- 22) B. K. Dutta, D. Biswas, B. Ray, P. N. Ghosh, 2001, Semi-classical analysis of Helium broadened acetylene ($\nu_1+3 \nu_3$) band transitions measured by a NIR diode laser spectrometer, Eur. Phys. J. D, 13, 337
- 23) B. K. Dutta, D. Biswas, B. Ray, P. N. Ghosh, 2000, Diode Laser spectroscopic measurement and impact theoretical analysis of collision broadening of acetylene ($\nu_1+3 \nu_3$) band transitions, Eur. Phys. J. D, 11, 99

C. Title of the ongoing Minor Research Project (Grant No.: PSW-164/11-12 . dt. 25/01/2012) funded by UGC:

Coherence effects in quantum systems and simulation of quantum optical effects in macroscopic domain

D. Research Experience:

- Junior Research Fellow (from 08/05/1998 to 30/06/2000) in the DST research project entitled, “Line Shape Studies of Atmospheric Molecules by Diode Laser Spectroscopy” under the supervision of Prof. Pradip. N. Ghosh in the Department of Physics, University of Calcutta
- Junior Research Fellow (from 07/07/2000 to 07/07/2002) in the CSIR research project entitled, ”Diode Laser Applications in Molecular Spectroscopy in Gas Phase and Interferometry” under the supervision of Prof. Pradip. N. Ghosh in the Department of Physics, University of Calcutta
- Part-time research fellow (from the year 2005 to the year 2010) in the field of laser spectroscopy and non-linear optics under the supervision of Prof. Prasanta K. Mahapatra in the Department of Physics and Techno-physics, Vidyasagar University
- Post doctoral research is going on in the field of laser physics and spectroscopy under the supervision of Prof. Prasanta K. Mahapatra,

Professor of Physics, Department of Physics and Technophysics,
Midnapore – 721102 (W.B.), India

4. Sri. Pankaj Sarkar:

Research Achievements:

A. Publications in the peer reviewed Journals at National level:

(Given format of presentation => Authors, Year, Title, Name of the Journal, Volume and Page No.)

1. Sarkar P., 2006, In Search of a Healthy Life: J.K.Times-A Multidisciplinary International Journal, Volume-II, pages 10 -23
2. Sarkar P., 2010, The Philosophy of Science and Spirituality: A Brief Introduction ; J.K.Times-A Multidisciplinary International Journal,, Volume-III, pages 60-72
3. Sarkar P., 2012, 'Dark Matter', J.K.Times-A Multidisciplinary International Journal, Volume-V, 2012; pages 84 -97

B. Paper Presentations and Publications in Seminar proceedings /workshop at National level:

2. Sarkar P. , 2012, Dark Matter and Dark Energy:. in 'National Conference on The Development of Modern Physics and Electronics' sponsored by UGC, Organized by the Department of Physics, J.K.College, Purulia during February 3-4
3. Sarkar P., 2008, The Road to a Healthy Heart in an Unhealthy World; Proceedings of the UGC Sponsoed State Level Seminar 'Science for All' Organized by –N.S.A.Mahavidyalaya, Suisa, Purulia during September 20-21, pages 25-38
4. S.K.Behera, Anil Kr. Singh, M. Das and P.Sarkar, 2011, Human Rights Education: An Introduction...; UGC Sponsored State-Level Seminar on

‘Human Rights and Human Development’, organized by Department of History, J.K.College, Purulia during 9th-10th September

C. Workshop/Seminar/Winter School attended at National/International Levels:

1. National Workshop on Introductory Astronomy & Astrophysics, February 23-25, 2006, sponsored by - IUCAA, Pune and IUCAA Reference centre, NBU; Organized by- Department of Physics, J.K.College, Purulia
2. Workshop on ‘Basic Electronic Measurement Techniques’, March 31, 2008; Organized by- The Institution of Electronics and Telecommunication Engineers; (IETE), Burdwan Sub Centre & Department of Physics, BU
3. Lecture Workshop on “Interdisciplinary Physics : Some Basic Aspects”, January 6-7, 2011; Organized by- Department of Physics, Ramananda College, Bishnupur, Bankura, WB; Sponsored by- Joint Science Education Programme of Indian Academy of Sciences (Bangalore), Indian National Science Academy (New Delhi) and The National Academy of Sciences, India, (Allahabad).
4. Workshop for framing UG syllabus in Physics, SKBU, April 21, 2011
5. ‘IPRS-Its Impact on Pharmaceutical, Agriculture and Rural Technology’, September 2-3, 2005; sponsored by - MHRD, Govt. of India; Organized by- Department of Economics, J.K.College, Purulia
6. ‘The Universe Yours To Discover, International Year of Astronomy 2009’, August 28-29, 2009; sponsored by - UGC Organized by- Department of Physics, Maharajadhiraj Uday Chand Women’s College, Burdwan
7. ‘Economic Development and Livelihood Options’; December 8-9, 2011; Organized by- Department of Economics, J.K.College, Purulia
8. Seminar on Frontiers in Material Science-2010 (FMSc-2010); Dec.6, 2010; Organized by- Department of Physics, NIT, Durgapur
9. ‘National Conference on Recent Advancement in Chemical Sciences:2011’ ; November 18-19, 2011, sponsored by - UGC, Organized by - Department of Chemistry, J.K.College, Purulia

10. National Level Seminar on ‘Future of Civilization: Recent Trends in Energy Research’; 29-30 September, 2011; sponsored by - UGC; Organized by - Department of Physics, Raghunathpur College, Purulia
11. ‘National Conference on The Development of Modern Physics and Electronics’; 3-4 February, 2012; sponsored by - UGC ;Organized by - Department of Physics, J.K.College, Purulia
12. ‘Science for All’’, 20-21st September, 2008; sponsored by - UGC;Organized by –N.S.A.Mahavidyalaya,Suisa, Purulia
13. ‘Recent Advances in Material Science’; March 27-28, 2008; sponsored by - UGC; Organized by -Department of Physics, Ramananda College, Bishnupur, Bankura,WB
14. ‘Traditional Knowledge and Old Wisdom’, 8-9th September,2009;Organized by- Netaji Subhas Ashram Mahavidyalaya, Suisa, Purulia; Sponsored by - West Bengal Higher Education Department
15. ‘Nanomaterials: Synthesis and Applications’; 8th September, 2010; sponsored by - UGC ;Organized by –Department of Physics, Ramananda College, Bishnupur, Bankura,WB
16. Winter School on ‘ Nanoparticles-Science and Technology’; January 2-15, 2009;sponsored by - MHRD/AICTE under Staff Development Programme; Organized by- Department of Physics, NIT, Durgapur
17. International Conference on Radiation Physics and its applications (ICRPA-2010); January 16,17,2010; Organized by Department of Physics, University of Burdwan
18. ‘Value Based Education: Necessity and Implementation’; January 21-22,2011 ; sponsored by - UGC Organized by- Teachers’ Council, Khatra Adibasi Mahavidyalaya, Khatra, Bankura

D. NSS Activities:

1. One Day Seminar on ‘Conservation of Cultural/ Historical Heritage’; January 10,2010; Organized by- NSS, Purulia District at M.G.College, Lalpur, Purulia
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2. One Day Seminar on the occasion of 150th Birth ceremony of ‘Acharya Prafulla Chandra Roy’; December 24,2010;Organized by- NSS Department of the University of Burdwan
3. One Day Seminar and Workshop on ‘Chhou Dance: Its Past, Present and Future’; 20th November, 2011; Organised by N.C.C. & N.S.S. Units, J.K.College, Purulia
4. ‘Environment and Management’ ; 7th April, 2013;at District Science Centre, Purulia ; Organized by -The Institute of Ecotoxicology & Environmental Sciences,Kolkata
5. One Day University Workshop on ‘Human Rights’; December 10,2009 ;Organized by- NSS Units of the University of Burdwan
6. National Workshop on ‘Globalisation and Role of NSS : New Challenges to Youth’; 29th -30th March, 2013 : at University of North Bengal
7. Training on ‘Environment Education and Sustainable Development for Youth Functionaries’; February 10-12, 2011; Organized by- Rajib Gandhi National Institute of Youth Development, Sriperumbudur,In collaboration with University of Calcutta;At- Calcutta University, College Street Campus
8. Seven Day Special Camp on ‘Environment including, Preservation of Natural Resources and Cultural/ Historical Heritage’; 6th-12th September, 2010;Organized by- NSS, Purulia District at M.G.College, Lalpur, Purulia
9. One Day Seminar and Workshop on ‘Chhou Dance: Its Past, Present and Future’; 20th November, 2011; Organised by N.C.C. & N.S.S. Units, J.K.College, Purulia
10. 125th NSS Orientation Course; 10-19.03.2009 ;Organized by- TORC, Ramakrishna Mission Lokasiksha Parishad, Narendrapur
11. 19th NSS Orientation Programme; 16 – 22nd April, 2013; Organized by- TORC, Ramakrishna Mission Lokasiksha Parishad, Narendrapur At M.G. College, Lalpur, Purulia
12. Organiser of ASER- Servey in Purulia District in 2009,2010,2011,2012,2013

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

b) National committees:

Dr. B. K. Dutta is one of the members of 'Indian Physical Society' (IPS).

c) International Committees:

Dr. S. Chattopadhyay is a member of Advisory Board, EDUQUEST-An International, referred journal in Education

d) Editorial Boards....

Dr. B. K. Dutta is one of the members of the Editorial Board of the interdisciplinary journal – 'J. K. Times- A Multidisciplinary Journal' (ISSN No.:2278-4047) published by the college.

*Sri P. Sarkar is recently included in the 'Board of Studies (UG)' of SKBU.

22. Student projects

b) Percentage of students who have done in-house projects including inter departmental/programme:

3rd year Physics (General) students are involved 100% in-house project.

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 S. Chattopadhyay (Principal of the college and formerly Head of the Department of Physics) availed National Scholarship on M.Sc. level. and ranked 2nd in the N.S.T.P.C. in BASIC (conducted by the Computer Society of India). He was awarded Junior and Senior Research Fellowship of C.S.I.R on qualifying CSIR_UGC Eligibility Test, 1989.

Dr. N. Das (Head of the Department of Physics) ranked 1st in the M. Sc. Examination of The University of Burdwan in the Year 1992. He was awarded Junior and Senior Research Fellowship of UGC on qualifying CSIR_UGC Eligibility Test, 1995.

Dr. B. K. Dutta (Assistant Professor of Physics) is one of the National Scholarship holders for Madhyamik and B.Sc. Level Examinations. He was

awarded Junior Research Fellowship from DST-Project (during May,1998 to June, 2000) and then from CSIR (during July, 2000 to June, 2002) on qualifying CSIR-UGC Eligibility Test, 2000.

Sri P. Sarkar (Assistant Professor of Physics) is one of the National Scholarship holders for Madhyamik Pariksha.

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

1. Dr. Tapati Mukherjee, V.C., SKBU, 2011
2. Prof Avijit Mookerjee, Ex-Director SNBNSC, 2011
3. Dr. Shibaji Raha, Director, Bose Institute, Kolkata; Feb 23-25, 2006
4. Prof. A.K.Kembhavi, Deputy Director, IUCAA, Pune, Feb 23-25, 2006
5. Prof B C Sarkar, Dean Science, BU, 2011
6. Prof S Mukherjee, NBU & Scientific Adviser, IUCAA
7. Prof S K Ghoshal, NBU, Dec. 2005
8. Dr. Ranjan Gupta, IUCAA, Pune, Feb 23-25, 2006
9. Prof. Sayan Kar, IIT Kharagpur, Feb 23-25, 2006, & 2011
10. Prof Anushree Roy, IIT Kharagpur, 2011
11. Prof Soumitra Banerjee, IISER, Kolkata
12. Prof. G.C. Bhar, Ex-prof, BU, 2010
13. Dr. Pathik Kumbhakar,NIIT, Durgapur, 2010
14. Dr. C.K.Ghosh, Director, IGNOU,2011, 2012
15. Dr. J S Roy, KIITS, Bhubaneswar
16. Dr. Subhasis Chattopadhyay, VECC, Kolkata
17. Dr. Malay Kanti Dey, VECC, Kolkata
18. Dr. Tanusshyam Bhattacharjee,VECC, Kolkata

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

National :

- a. A Three Day National Workshop on ‘Introductory Astronomy and Astrophysics’ was organized by the Department during 23-25 February, 2006. The funding agency was IUCAA ,Pune
- b. One day seminar on ‘Some Important Topics in Modern Physics’ was organized by the Department on 10th September, 2009. It was funded by the college.
- c. A two day National Conference on ‘The Development of Modern Physics and Electronics’ was organized by the Department during 3-4 February, 2012. The sponsoring agency was UGC.

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected/Admitted	Enrolled		Pass percentage
			*M	*F	
Physics (Hons): 2010-13	Central Counselling System	26	21	5	75%
Physics (Hons): 2011-14		22	18	4	-
Physics (Hons): 2012-15		17	12	5	-
Physics (Hons): 2013-16		12	10	2	-

*M=Male *F=Female

**Pass percentage has been calculated for the continued students.

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
Physics (Hons)	100%	0%	0%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

No systematic record has yet been kept, but many students qualified in different Administrative Services examinations and other competitive examinations, including NET, SLET, GATE & School Service Commission Examinations.

29. Student progression

Student progression	Against % enrolled
UG to PG	85%
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	NA
• Campus selection	
• Other than campus recruitment	
Entrepreneurship/Self-employment	NA

NA => Not Applicable

30. Details of Infrastructural facilities

a) Library : No departmental library

Central Library - No. of Books- 2622, No. of Journals- 02

b) Internet facilities for Staff & Students : Yes

c) Class rooms with ICT facility : Nil

d) Laboratories :

(i) Almost all of the instruments are available in the Departmental Laboratories to carry out both the General and Hons. – level experiments.

(ii) Computer based studies are performed in the ‘Central Computer Lab’ provided by the college.

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

Among existing students of the department, 15 students are availed Full / Half free-ship from college and 8 students from SC/ST/OBC categories are availed financial assistance from government or other agencies.

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

(i) According to the necessity the special lectures are conducted for all Physics Hons. students year wise.

(ii) Seminar classes are held occasionally.

33. Teaching methods adopted to improve student learning :

We have both the options of teaching on using either ‘Marker Pen with White Board’ or ‘Chalk with Black Board’ and ‘Power Point Presentation Technique’ based on over head projector. The first one is preferred and the last one is used as per requirement.

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

35. 10% students (Approx.) participate NSS programme and Many students participated in NCC and Games and sports, Essay competition, Mock parliament etc.

36. SWOC analysis of the department and Future plans

Strength

Academic achievements of the Department:

- On behalf of SKBU, PG-classes were taken in the Department during September, 2011 to March, 2013
- A large number of Research Papers published in various International Journals by the teachers of the department (as already furnished in the research achievements of the teachers).
- Consistently good academic results with a number of 1st classes in B.Sc (Hons.)
 - Examinations
- Ex-students of the department are working as faculty members or research scholars or engaged in jobs at different institutes/companies at national and international level
- Overall good performance in the NET, GATE, SET, JAM, JOCA, JEST etc. examinations by our students.

Weakness:

Few shortcomings of the Department:

- Shortage of regular fulltime teachers for a long time at our department.
- No permanent non-teaching post /staff at our department.
- No permanent technical assistant post /staff for computer Laboratory at our department.
- Shortage of space in the class rooms to accommodate adequate students.

Opportunity:

- Laboratory development and up gradation is going on for the purpose of advancement in teaching and learning at research level. One research project is going on and another is submitted for fulfilling this objective satisfactorily.

Challenges:

- In near future, the Department plans to start a Post Graduate course in Physics

Evaluative Report of the Department : Political Science

1. Name of the department : Political Science
2. Year of Establishment : 1967-1968
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) : Terminal & Annual system
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: N.A.
9. Number of Teaching posts

	Sanctioned	Filled
Professors		
Associate Professors		1
Asst. Professors	4	

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

Name	Qualification	Designation	Specilization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Rabilochan Karmakar	M.A.	Associate Professor	Govt.	20 yrs – UG 01 yrs - PG	N.A.
Mrs. Jyotsna Tewari	M.A.	Part-time Teacher	International Relations	11 yrs- UG	N.A.
Mr. Surajit Chakraborty	M.A.	Part-time Teacher	Govt.	11 yrs – UG	N.A.

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty: 60%

13. Student -Teacher Ratio (programme wise) : 50.:1 (Hons.) & 120: 1 (General)
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: No
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG. : PG-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: Nil
18. Research Centre /facility recognized by the University: Nil
19. Publications:
 - * a) Publication per faculty
 - * Number of papers published in peer reviewed journals (national / international) by faculty and students : 6 (six)
 1. Karmakar. Rabilochan: Globalization and the Nation State, J.K. Times, 2004. 1, 34-35.
 2. Karmakar. Rabilochan: Environmental Science and Political Science, Open Eyes, 2005. 2, 70-72
 3. Karmakar. Rabilochan: Tin Bhag Jal, J.K. Times, 2010. 4, 117-121.
 4. Karmakar. Rabilochan: Human Rights and Human Development, Human Right and Human Development, 2012. 62-64.
 5. Karmakar. Rabilochan: Teaching and Learning English and Constitution of India, Eduquest, 2013. 2. 22-27
 6. Karmakar. Rabilochan: Paribartan, J.K. Times, 2013. 6.
 - * 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.) : Nil
 - * 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: Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards: All 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 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: Nil

b) International: Nil

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected/ Admitted	Enrolled		Pass percentage
			*M	*F	
2010-2013	Counseling System	33	21	12	60%
2011-2014	Counseling System	35	29	6	-
2012-2015	Counseling System	34	25	9	-
2013-2016	Counseling System	51	36	12	-

*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
Political Science (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. ?

No systematic record has yet been kept, but many students qualified in different Administrative Services examinations and other competitive examinations, including NET, SLET & School Service Commission Examinations.

29. Student progression

Student progression	Against % enrolled
UG to PG	80%
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
• Campus selection	N.A.
• Other than campus recruitment	30%
Entrepreneurship/Self-employment	10%

30. Details of Infrastructural facilities

- a) Library : Central Library
- b) Internet facilities for Staff & Students: Available for staff and students.
- c) Class rooms with ICT facility: Nil
- d) Laboratories: N.A.

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

Among existing students of the department, 36 students are availed Full / Half free-ship from college and 26 students from SC/ST/OBC categories are availed financial assistance from government or other agencies.

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

33. Teaching methods adopted to improve student learning : Special classes, Tutorial Classes, use OHP etc.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Many students participated in NSS, NCC and Games and sports, Essay competition, mock parliament etc.

35. SWOC analysis of the department and Future plans:

Strength-

- The entry level in the department with quite satisfactory scores.
- The motivation to the students is ensured by the dedicated faculty members with modern teaching methodologies.
- Rich library
- Good infrastructure of the college including clean and quiet environment
- Extra class and student communication
- Informal teacher-student relationship.
- Good interpersonal relationship among faculty members.
- Every year we get a good number of sincere students who perform well in University examinations.

Weakness-

- Department are overburdened so far as student-teacher ratio.
- Shortage of fulltime faculties.
- Lack of access to libraries outside the campus.
- Unavailability of classrooms dedicated to use by the department.

Opportunity-

- To use the scope provided by academic autonomy to develop
- Excessive texts or exams, in interactive and interesting ways.
- A good number of students are placed through School Service Commission, W.B. and College Service Commission, W.B.
- A good number of students are placed in different kind of Govt. and non Govt. jobs

Challenge-

- Dirty politics and global needs
- To use the low student-teacher ratio to give full effect so that infrastructure is completely and effectively utilized.
- To obtain the allotment of an ISBN/ISSN so that the department may issue its own journal to which contributions by eminent academicians, researchers, and teachers, may be sought.

Future Plan –

- To make the syllabus more interdisciplinary to meet the need of the hour.

Evaluative Report of the Department : Sanskrit

1. Name of the department : Sanskrit
2. Year of Establishment : BA Pass course – 1954 & Hons. – 2002-2003.
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG
4. Names of Interdisciplinary courses and the departments/units involved : Nil
5. Annual/ semester/choice based credit system (programme wise) : Annually
6. Participation of the department in the courses offered by other departments : Nil
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

	Sanctioned	Filled
Professors	0	0
Associate Professors	0	1
Asst. Professors	2	0

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

Name	Qualification	Designation	Specilization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. R.P. Das	M.A., Ph.D., B.Ed	Associate Professor	Literature	29 yrs	Nil
Mrs. M. Mal	M.A.	Part-Time Teachers	Vedic Literature	7 yrs	Nil
Mr. M Gorain	M.A.	Guest Lecture	Literature	2 yrs	
Mrs. M. Bid	M.A.	Guest Lecture	Literature	2 yrs	
Mr. T.K. Mahato	M.A.	Guest Lecture	Literature	3 yrs	

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty: 60%
13. Student -Teacher Ratio (programme wise): 40:1 (Hons)

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: N.A.
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG. : Ph.D.-1, PG-3
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil
17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil
18. Research Centre /facility recognized by the University: Nil
19. Publications:

* a) Publication per faculty

PUBLICATIONS:

- ‘Sanskrita Sahitye Jateeyatabadah’ (Sanskrit) published in the journal of the Dept. of Sanskrit (BU) (Page-145-149) in 2001.
- ‘Sanskrita Sahitye Viswatma-chetana’ (Sanskrit) published in J.K. Times : A Multi-disciplinary Journal Vol-I (Page 28-33) July 2004.
- ‘Valmiki Ramayane Vaidik Upadan SAMiksha’-Book published in 2006.
- ‘Jagati, Jeebane Samaje cha Dharmasya Prasangikata’ (Sanskrit) published in J.K. times : A Multi-disciplinary Journal Vol-II (Page 27-30) February 2006.
- Antarjatic Naree-dibasasya Alope Bharatiya-chetanayang Naree (Sanskrit) published in J.K. times : A Multi-disciplinary Journal Vol-III (Page 59-62) July 2008.
- ‘Adhunik-Samaj-Dharmashastrer Prasangikata’ (Bengali) published in J.K. times : A Multi-disciplinary Journal Vol-IV (Page 107-110) December-2010.
- ‘Surya-sama ye Satyati-Sada Deepta Rahe Jagi’ (Bengali) in .K. times : A Multi-disciplinary Journal Vol-V (ISSN 2278-4047) (Page 33-39) May-2012.

IN COLLEGE MAGAZINE: PALASH

- Sanskrita Sahitye Jateeyatabad' (Essay)
- 'Labhila Muktir Swad-Tarun Pratibha' (Poetry) 2003-2004.
- 'Palash' (Poetry) 2004-2005.
- 'Pavana e Manobhume Gomukher Theke' (Poetry) 2005-2006.
- 'Srishtir Sur' (Essay) 2007-2008.

- * 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: Nil

21. Faculty as members in

- a) National committees b) International Committees c) Editorial Boards: One in J. K. Times

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: 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/ Admitted	Enrolled		Pass percentage
			*M	*F	
B.A. (Hons) 2010-2013	Central Counselling System	28	23	5	33.33%
B.A. (Hons) 2011-2014		43	31	12	-
B.A. (Hons) 2012-2015		44	31	12	-
B.A. (Hons) 2013-2016		52	27	23	-

*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		

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? :

No systematic record has yet been kept, but many students qualified in different Administrative Services examinations and other competitive examinations, including NET, SLET & School Service Commission Examinations. .

29. Student progression

Student progression	Against % enrolled
UG to PG	70
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 	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- a) Library: No departmental library
- b) Internet facilities for Staff & Students: Available for staff and Students.
- c) Class rooms with ICT facility: Nil
- d) Laboratories: N.A.

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

Among existing students of the department, 37 students are availed Full / Half free-ship from college and 31 students from SC/ST/OBC categories are availed financial assistance from government or other agencies.

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

33. Teaching methods adopted to improve student learning: Use OHP and Power point.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Many students participated in NSS, NCC and Games and sports, Essay competition, Mock parliament etc.

35. SWOC analysis of the department and Future plans

Strength-

- The motivation to the students is ensured by the dedicated faculty members.
- Rich library
- Good infrastructure of the college including clean and quiet environment
- Extra class and student communication
- Informal teacher-student relationship.
- Every year we get a good number of sincere students who perform well in University examinations.

Weakness-

- Department are overburdened so far as student-teacher ratio.
- Shortage of fulltime faculties.
- Lack of access to libraries outside the campus.
- Unavailability of classrooms dedicated to use by the department.
- Lack of microphone in classroom.

Opportunity-

- To use the scope provided by academic autonomy to develop
- Excessive texts or exams, in interactive and interesting ways.
- A good number of students are placed through School Service Commission, W.B.

Challenge-

- To evolve as a centre of excellence with academic flexibility so that faculty members can recharge themselves and students gain recognition and reward.
- To use the low student-teacher ratio to full effect so that infrastructure is completely and effectively utilised.
- To obtain the allotment of an ISBN/ISSN so that the department may issue its own journal to which contributions by eminent academicians, researchers, and teachers, may be sought.

Evaluative Report of the Department : Zoology

1. Name of the department : ZOOLOGY
2. Year of Establishment : Inter-Science Course: 1955-56
B.Sc. Pass Course: 1969-70
Hons.in Zoology : 1988-89
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG
4. Names of Interdisciplinary courses and the departments/units involved : 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 : NA
9. Number of Teaching posts

	Sanctioned	Filled
Professors	NIL	NIL
Associate Professors	NIL	NIL
Asst. Professors	3	1

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

Name	Qualification	Designation	Specilization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Dipanwita Das	Ph.D	Assistant Professor	Ecology	03	NIL
Amit Kumar Nandi	PG	Guest Lecturer	Parasitology	01	
Shampa Mahata	PG	Guest Lecturer	Fishery	03	

11. List of senior visiting faculty : NIL

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

Lectures delivered (%)	Practical classes (%)
55	54

13. Student -Teacher Ratio (programme wise) : 21 : 1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Technical staff	2	1
Administrative staff	NIL	NIL

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.

Name	Qualification
DR. DIPANWITA DAS	Ph.D
AMIT KUMAR NANDI (Temporary faculty)	PG
SHAMPA MAHATA (Temporary faculty)	PG

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : NIL
17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received : NIL
18. Research Centre /facility recognized by the University : NIL
19. Publications:

- * a) Publication per faculty

Name	Publication
DR. DIPANWITA DAS	06

- * Number of papers published in peer reviewed journals (national / international) by faculty and students

Name	Publication
DR. DIPANWITA DAS	06
Students	NIL

Title of Paper	Impact factor
Chatterjee SN, Das D, Roy M, Banerjee S, Dey P, Bhattacharya T and Chandra G. (2007). Bacteriological examination of drinking water in Burdwan, India with reference to coliforms. African Journal of	0.57
Chatterjee SN, Das D, Dangar TK and Chandra G. (2008). Isolation of Bacillus sphaericus from midgut of Stegomyia (Aedes) aegypti larvae and its role in larval development. Science and Culture: 74(5-6): 211 - 213.	-
Das D, Chatterjee SN and Dangar TK. (2008). Characterization of Bacillus sphaericus, a gut bacterium of Aedes albopictus (Skuse) larvae and its sensitivity to Hiptage benghalensis Kurz leaf extract. Journal of Applied	-
Chatterjee SN, Das D, and Dangar TK (2008). Efficacy of Bacillus sphaericus against Aedes (Stegomyia) aegypti, Mansonia indiana (Edward) and Culex vishnui. Entomon: 33(3):181-187.	-
Chatterjee SN, Chattopadhyay J Das D and Dangar TK. (2010). Natural Infection of the Plain Tiger Butterfly, Danaus chrysippus L. (Lepidoptera: Nymphalidae), larvae by Pseudomonas and Bacillus spp. in Hooghly	-
Chatterjee SN, Ghosh T, Das D, Sen T and Ghosh K. (2010). Physico-chemical & bacteriological examination of river Ganga around Seoraphuli, Hooghly, West Bengal, India. Journal of Industrial Pollution Control:	-

* 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.) : NIL

* Monographs : NIL

* 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 : 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 : 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 : NIL

b) International : NIL

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled *M *F	Pass percentage
B.Sc.Honours(Zoology) (2010-2013)	Central Counselling System	7	6 1	14.28%
B.Sc. Honours (Zoology) (2011-2014)		18	14 4	
B.Sc. Honours (Zoology) (2012-2015)		18	10 8	
B.Sc. Honours (Zoology) (2013-16)		23	17 6	

*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.

No systematic record has yet been kept, but many students qualified in different Administrative Services examinations and other competitive examinations, including NET, SLET, GATE & School Service Commission Examinations.

29. Student progression

Student progression	Against % enrolled
UG to PG	50
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 	
Entrepreneurship/Self-employment	-

30. Details of Infrastructural facilities

- a) Library : College library
- b) Internet facilities for Staff & Students : Present
- c) Class rooms with ICT facility: NIL
- d) Laboratories : Present with instruments

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

Among existing students of the department, 7 students are availed Full / Half free-ship from college and 8 students from SC/ST/OBC categories are availed financial assistance from, government or other agencies.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts : NIL
33. Teaching methods adopted to improve student learning : Providing current data collected from internet and teaching using LCD Projector.
34. Participation in Institutional Social Responsibility (ISR) and Extension activities : Few students participated in NSS, NCC and Games and sports, Essay competition, Mock parliament etc.
35. SWOC analysis of the department and Future plans

Strength : Departmental laboratories are provided with various instruments, chemicals, glass goods and internet connection is present in the department. A vast number of reference books related to this subject are present in the college library and the books are easily accessible to the students. In addition to these, all the teachers of this department try their best for the students.

Weakness : There is an urgent necessity for more full-time &/or part-time teachers. Additional class rooms are required. More laboratory instruments are also required.

Opportunity : Teachers will be appointed in the near future by the College Service Commission, West Bengal. Some instruments will be purchased by the college also. There will be an emphasis on the regular use of LCD projector.

Challenges : The foremost challenge ahead of this department to perform best with the poor teacher strength and very average quality of students.

Future Plans : To evolve as a centre of excellence with academic flexibility so that faculty members can recharge themselves and students gain recognition and reward

POST ACCREDITATION INITIATIVES

The Peer Team, after perusing the SSR and assessing the college during its cycle I visit on 14-15 March, 2005 was noted with pleasure that J.K. College, Purulia has succeeded to an extent in translating the vision and goal into academic practices. The college has been making sincere efforts to strike a balance between and to bring about a proper synthesis of, technological expertise and a philosophical comprehension of the universe. The team also commended highly of the progress the college made since its inception, starting as a small private institute to upgrade to its present status as the premier institute of higher education in a backward district chiefly populated by the tribals as well as the poor and socially marginalised sections. The team also spoke highly of the maintenance of traditional Indian ethics and values amidst conscious efforts towards modernity. Dedication and commitment of the staff of the college, participative management and good human relationship within the campus, and above all, consistency in good academic performance of the students with topper in the University examinations were underpinned as the forte of the college. The team also appreciated the efforts taken by the college to introduce some job oriented self-financing courses. After nearly a decade from the last visit, the J. K. College with all its resources can still claim the pride for sustainability of the aforesaid commendation.

The same peer team was kind enough in recommending certain aspects as newer initiatives for the future progress and upgradation of the college. Modernisation of the library with more titles and reference books for teachers was given top priority. It is gratifying to mention here that the college has arranged for a separate building for the central library, spacious and convenient enough to accommodate more titles and references along with well-planned reading room for teachers and students. As to the strategies for reducing the drop outs, the college found itself constraints due to (1+1+1) system introduced in the undergraduate level. However, the college has been remarkably successful both in addressing and redressing the problem of drop out

caused by financial factor and lack of motivation. Raising resources from alumni and other sources have been generated, but such action needs permission from the Government. So it can only be a check-gated effort. The college has given top priority to the peer team's recommendation on remedial courses for average students. Tutorials, remedial classes, entry level coaching program and individual efforts have been consolidated. Regarding the filling up of vacant posts, the college can at best engage part time teachers or guest faculties but the appointment of teachers, the librarian and the assistant librarian is dependent entirely on the Government policies. Our college has given prime importance to the peer team recommendation for the establishment of central computer facility and installed a central server system and Lan connectivity using broadband for 24 hours accessibility. Equal importance was given by the college authority to the peer team's recommendation for auditorium and women's hostel. Modern conference hall with audio-visual system and net connectivity with 240 capacities has been properly functioning for last two years. An indoor sports complex cum auditorium with 800 seat capacities and a girls' hostel with 50 seats are on the verge of completion. The college also addressed the recommendation for enhancement of laboratory infrastructure with all sincerity and accordingly space, quality, apparatus and equipments have been upgraded for quality education.

The college has given equal effort to the promote Games and Sports, an entangled part of the education. Initiative is taken to upgrade the college play ground to a SAI standard stadium with 8 Lane 400 meter grass track enclosing a central football ground.

J. K. College, Purulia believes in Ulysses' strive for insatiable journey, but we are not satisfied with what we have already achieved. We are aware of the limitations and pitfalls. Our source of inspiration is glorious past couched with the golden journey of this college for last sixty five years. We look forward to the next 65 years, if not more.

Declaration by the Head of the Institution

I certify that that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

(Dr. Santanu Chattopadhyay)

Signature of the Head of the institution

with seal:

Place: Purulia

Date: 14.11.2013