

**The Annual Quality Assurance Report (AQAR) of the IQAC**  
*(For Affiliated/Constituent Colleges)*  
**2018-19**

Institutions Accredited by NAAC need to submit an Annual self-reviewed progress report i.e. Annual Quality Assurance Report (AQAR) to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the IQAC at the beginning of the Academic year. *The AQAR period would be the Academic Year. (For example, July 1, 2017 to June 30, 2018)*

**Part – A**

**Data of the Institution**

*(data may be captured from IQA)*

**1. Name of the Institution                      Bidhan Chandra College, Asansol**

- Name of the Head of the institution :    Dr. Falguni Mukhopadhyay
- Designation:    Principal
- Does the institution function from own campus: Yes
- Phone no./Alternate phone no.:        0341-2283020/ 3058
- Mobile no.: 9434359493
- Registered e-mail: bccollege.office@gmail.com
- Alternate e-mail : iqacbcc103@gmail.com
- Address        : Sibdas Ghatak Sarani
- City/Town     : Asansol
- State/UT      : West Bengal
- Pin Code      : 713304

**2. Institutional status:**

- Affiliated / Constituent:                  Affiliated
- Type of Institution: Co-education/Men/Women:    Co-educational
- Location : Rural/Semi-urban/Urban:                  Urban

- Financial Status: Grants-in aid/ UGC 2f and 12 (B)/ Self financing: Grants in aid and UGC 2f and 12 (B)  
(please specify)

- Name of the Affiliating University: Kazi Nazrul University, Asansol
- Name of the IQAC Co-ordinator : Sreemanta Sarkar
- Phone no. : 9434383516

Alternate phone no.: 8250811837

- Mobile: 9434383516
- IQAC e-mail address: iqacbcc103@gmail.com
- Alternate Email address: sreemanta.sarkar@gmail.com

3. Website address: [www.bccollegeasansol.org](http://www.bccollegeasansol.org)

Web-link of the AQAR: (Previous Academic Year): <http://bccollegeasansol.org/aqar.php>

4. Whether Academic Calendar prepared during the year? Yes

if yes, whether it is uploaded in the Institutional website: Yes

Weblink: [http://www.bccollegeasansol.org/academic\\_calender.php](http://www.bccollegeasansol.org/academic_calender.php)

#### 5. Accreditation Details:

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1 <sup>st</sup>	B	2.32	2017	from: 23.01.17 to: 22.01.22
2 <sup>nd</sup>	NA	NA	NA	from: NA to: NA
3 <sup>rd</sup>	NA	NA	NA	from: NA to: NA
4 <sup>th</sup>	NA	NA	NA	from: NA to: NA
5 <sup>th</sup>	NA	NA	NA	from: NA to: NA

6. Date of Establishment of IQAC: DD/MM/YYYY: 05.08.2014

#### 7. Internal Quality Assurance System

7.1 Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & duration	Number of participants/beneficiaries
<ul style="list-style-type: none"> <li>• <i>Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback from all stakeholders collected, analysed and used for</i></li> </ul>	Dates of meetings (for an average of two hours duration): 07.07.18, 20.11.18, 25.01.19,	14 13 14

<i>improvements</i>	21.05.19 Date of submission of AQAR of 2017-2018: 25.05.18 Date of submission to the University: 23/7/2018	13  NA
<ul style="list-style-type: none"> <li>• <i>Academic Administrative Audit (AAA) 2017-2018 conducted and its follow up action</i></li> </ul>		

**8.** Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount
Bidhan Chandra College	Construction of Building for Social Sciences Departments	Government of West Bengal (vide sanction Memo No 954(SANC)/EH/P/CS/6B-04/2019 dated 30.1.19 )	2019	37,00,000/-
Bidhan Chandra College	Fencing Work at B.C.College play ground	Asansol Durgapur Development Authority	2018	43,52,963/-
Bidhan Chandra College	Installation of CCTV at B.C.College	Asansol Durgapur Development Authority	2018	2,00,000/-
Bidhan Chandra College	Erection of LED Street light at B.C.College	Asansol Durgapur Development Authority	2018	16,00,000/-
Bidhan Chandra College	Science Fair for school children	Departments of Science and Technology, Government of West Bengal (198/WBSCST/F/0658 /18)	2019	45,000/-

**9.** Whether composition of IQAC as per latest NAAC guidelines: Yes/No: Yes

\*upload latest notification of formation of IQAC  
[http://bccollegeasansol.org/iqac\\_resolution.php](http://bccollegeasansol.org/iqac_resolution.php)

**10.** No. of IQAC meetings held during the year: 04 (Four)

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website.....

Yes/No **Yes**

(Please upload, minutes of meetings and action taken report)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year? Yes No

If yes, mention the amount: NA Year: NA

12. Significant contributions made by IQAC during the current year (maximum five bullets)

- ❖ In order to promote and familiarize students with the broader perspectives of the subject in research as well as industry, national and state level seminars were organized by various departments
- ❖ In order to foster the love for science and promote scientific temper science fair involving students of this college was organized.
- ❖ In order to rouse a sense of social responsibility and general awareness blood donation camp by NCC and NSS, and Tree Plantation in the campus was organized.
- ❖ In order to generate enthusiasm and urge for study merit award and incentive and a special award for highest attendance was introduced.
- ❖ In order to facilitate and familiarize the students with the course structure and examination process under CBCS pattern orientation programme was organized from 10<sup>th</sup> to 12<sup>th</sup> August' 2018.

13. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
1. Organization of departmental seminars and conferences	1. Two national level seminars were organised by the departments of Physics and Bengali, three state level seminars by the departments of Sanskrit, Chemistry and Economics, and one special lecture session by the department of Philosophy
2. Computer Course for College students	2. Introduced from this academic session in association with DOEACC
3. Enhancement of Intake in different disciplines	3. To meet the growing demands for certain courses, IQAC triggered the process of increment in student intake capacity. Numbers of seats were increased under the kind permission of the affiliating university in Zoology, Geography and Urdu.

4. Merit awards and incentives for student achiever	4. Awards and incentives were given to the best student achievers in all streams as well as in all departments and also for highest student attendance in a program organized on the college Foundation Day
5. Strengthening industry-department linkage	5. The professional courses of the college (BBA and BCA) and the Department of Chemistry have been attentive in building up relationship with industries for job opportunities and other exposures.
6. Construction of new building	6. Grant sanctioned; plan and estimates have been finalised and tender floated.
7. Improvement of canteen facilities	7. The whole canteen was face-lifted, separate space for faculty members being constructed. New furniture was procured.
8. Separate wing for girls' toilet	8. Provisions were made by segregating certain wings especially for girl's toilet. Besides, the Girls' Common room also has a toilet. The new building plan has also been designed fulfilling this criterion.
9. Provision of adequate lightening arrangement on the campus	9. Project submitted, Grant sanctioned by ADDA and project under process
10. Fencing of the play grounds	10. Project submitted, Grant sanctioned by ADDA and project under process.
11. Separate playground for girls	11. Under active consideration
12. Organization of blood donation camp	12. At the college premises on 1/10/18 by NSS Unit and at Asansol District Hospital on 7/2/19by NCC unit
13. Promotion of sports activities	13. IQAC encourages all students to actively participate in sports.
14. Promotion of NCC and NSS activities	14. IQAC encourages all students to enlist in NCC and NSS.
15. Career advancement of deserving teachers	15. Five Number of Teachers were promoted to the next stage under CAS, IQAC being a regulatory authority actively monitoring the whole process
16. Observation of Bhasa – Shaheed Dibas and Rabindra-Nazrul Jayanti	16. Bhasha – Shaheed Dibas was observed; and the college as well as the Dept of English observed Rabindra- Nazrul Jayanti
17. Involvement in community services	17. Under the active inspiration and encouragement of the IQAC, the NCC and NSS wings of the college have been specially active in community service <i>v.i.z.</i> Blanket and wheel chair distribution, tree plantation, General

<p>18. Organization of Science fair for school students</p> <p>19. Staff encouragement program</p> <p>20. Rain water harvesting system</p> <p>21. Installation of Solar Power</p> <p>22. Introduction of post-graduate courses in different disciplines</p> <p>23. Establishment of medical unit</p> <p>24. Organization of health camp</p> <p>25. Introduction of nursing courses</p> <p>26. Conducting IQAC meetings at regular intervals</p> <p>27. Promotion of research activities among teachers</p>	<p>awareness program on AIDS, Blood donation <i>etc.</i></p> <p>18. Project submitted, Grant sanctioned by the Government of West Bengal and under process</p> <p>19. One such program has been organized on 31/01/2019.</p> <p>20. Yet to be achieved</p> <p>21. At the stage of official discussion</p> <p>22. Under discussion</p> <p>23. At the stage of official discussion</p> <p>24. At the stage of official discussion</p> <p>25. The feasibility of the course in the locality is being carefully considered in the Governing Body and discussions with different agencies have started.</p> <p>26. Regularity has been maintained in conducting IQAC meetings</p> <p>27. IQAC largely boosts the research activities of the teachers. Under its patronage and initiative, the subscriptions of online reference sites like Infilbnet have been procured. A considerable no of publications in 2016-17 and in 2017-18 (details given) is a reflection of its efforts.</p>
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14. Whether the AQAR was placed before statutory body? Yes /No: **Yes**

Name of the Statutory body: Governing Body      Date of meeting(s): 21/09/19

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning?

**Yes/No: No**

Date: NA

16. Whether institutional data submitted to AISHE: Yes/No: **Yes**

Year: 2018-2019

Date of Submission: 07/02/19

17. Does the Institution have Management Information System?

**Yes** ✓ **No**

If yes, give a brief description and a list of modules currently operational.

(Maximum 500 words)

As regards Management Information System, the following points are to be noted:

1. The college runs its own website, in which all college related notices and events associated with examinations, admissions, routine, NSS, NCC, seminars, workshops, college annual function, sports *etc.* are uploaded timely.

2. The teaching modules as learning materials for the students are uploaded by some teachers.
3. Teachers and staff are intimated about their examination duties online.
4. The entire process of admission, including form fill-up, necessary criterion, publication of merit list and final admission including deposit of admission fees is done online and applicants are informed about their selection from the merit list and admission modalities *via* SMS.
5. The college is planning to introduce SMS Alert System for important events for all students.

## Part-B

<b>CRITERION I – CURRICULAR ASPECTS</b>						
<b>1.1 Curriculum Planning and Implementation</b>						
1.1.1 Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words						
<b>Curriculum Planning:</b>						
Faculty members are representatives to both the Undergraduate Board of Studies and Post-Graduation Board of Studies and hence are actively involved in framing the curriculum of the University. The coordinators and other representatives of different departments participate in syllabus related workshops and provide particular suggestions to the syllabus committees of the University, which are in due course incorporated.						
<b>Implementation:</b>						
Regarding implementation the following steps are carried out:						
<ol style="list-style-type: none"> <li>1. The entire curriculum is divided into modules for every teacher in the concerned department.</li> <li>2. Students are familiarised with the entire syllabi and the modules and for facilitation the hard copies are made available.</li> <li>3. Classes are taken according to the college routine which follows the academic days and number of classes prescribed by the University for each semester and the tentative detailing are given in the Academic calendar which is published online.</li> <li>4. Advancement of the course is monitored through regular exams, involving written (Both descriptive and objective type) as well as oral exams.</li> <li>5. For a better understanding of the syllabi project works are sometimes undertaken.</li> </ol>						
Necessary arrangements like remedial classes if necessary are undertaken for proper implementation of the curriculum.						
1.1.2 Certificate/ Diploma Courses introduced during the Academic year <b>NIL</b>						
Name of the Certificate Course	Name of the Diploma Courses	Date of introduction and duration	focus on employability/ entrepreneurship	Skill development		
NA	NA	NA	NA	NA		
<b>1.2 Academic Flexibility</b>						
1.2.1 New programmes/courses introduced during the Academic year <b>NIL</b>						
Programme with Code	Date of Introduction		Course with Code	Date of Introduction		
NA	NA		NA	NA		
1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the Academic year. <b>NA</b>						
Name of Programmes adopting CBCS		UG	PG	Date of implementation of CBCS / Elective Course System	UG	PG
NA		NA	NA	NA	NA	NA
Already adopted (mention the year) <b>2016</b>						
1.2.3 Students enrolled in Certificate/ Diploma Courses introduced during the year <b>NIL</b>						
	Certificate		Diploma Courses			
No of Students	NA		NA			
<b>1.3 Curriculum Enrichment</b>						
1.3.1 Value-added courses imparting transferable and life skills offered during the year						
Value added courses		Date of introduction		Number of students enrolled		
Compulsory CCC Course in association with DOEACC		24/4/19		13		



1.3.2 Field Projects / Internships under taken during the year				
Project/Programme Title		No. of students enrolled for Field Projects / Internships		
Visit to Bio diversity park, Snake park , Panchet on 22-12-18(Zoology Department)		15		
Visit to Nehru park to study behavioural activities of 5 striped squirrels on 7-1-19 (Zoology Department)		23		
Visit to fisheries institute at CIFER, Salt lake Kolkata on 24-12-18(Zoology Department)		5		
Visit to National History Museum , Indian Museum Kolkata on 29-6-19(Zoology Department)		6		
Horticulture in Uttarakhand from 18/11/18 - 23/11/18(Geography Department)		43		
Soil Test at Murardi dam on 31/10/18 (3 <sup>rd</sup> SEM-Geography Department)		33		
Geological survey at Murardi dam on 31/10/18 (1 <sup>st</sup> SEM-Geography Department)		37		
Field Project (Chemistry): Eco Tour		27		
1.4 Feedback System				
1.4.1 Whether structured feedback received from all the stakeholders.				
1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes	No	No	No	No
1.4.2 How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)				
<p>The college has well-coordinated mechanism for procurement of feedback from the students of different disciplines. Feedback forms are circulated among the students through the departments they belong to. The feedback form is designed according to the UGC guidelines which reflect on individual student's experience. The students share their understanding as well ideas regarding the teaching-learning process, performance of faculty members, and applicability of the course structure, extra-curricular activities, and maintenance of discipline, law and order. Students are encouraged to provide unprejudiced opinions and criticism. The duly filled forms are collected and summarised by individual departments on a regular basis. Then they are submitted to the IQAC of the college, where the members go for rigorous statistical analysis with the forms. The problems and issues raised by our students are minutely analysed. The college tries to address the problems and grievances, if any. The students often give fruitful suggestions from their own perspectives, which serve as significant clues to the department specific and overall development of the college.</p>				
CRITERION II -TEACHING-LEARNING AND EVALUATION				
2.1 Student Enrolment and Profile				
2.1. 1 Demand Ratio during the year				
Name of the Programme	Number of seats available	Number of applications received	Students Enrolled	
BA, BSC, BCOM	2140	5795	1269	
Professional Courses	100	65	65	

<b>2.2 Catering to Student Diversity</b>					
<b>2.2.1. Student - Full time teacher ratio (current year data)</b>					
Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018-2019	<b>3161 (All Students)</b>	47 (All)	42(1/7/18-31/1/19): Including Self Financing Courses  41(1/2/19-31/3/19): Including Self Financing Courses  39(1/4/19-30/6/9): Including Self Financing Courses	NIL	7(Full Time2, GAPT:1, Contractual 1, Guest:3)
<b>2.3 Teaching - Learning Process</b>					
<b>2.3.1 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)</b>					
Number of teachers on roll	Number of teachers using ICT ( <i>LMS, e-Resources</i> )	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
35(1/7/19-31/1/19) 34(1/2/19-31/3/19) 32(1/4/19-30/6/19) (Excluding Self Financing Courses)	20	Desktop with internet facility, smart board, over head projector, scanner	04	01	e-libraries, cloud-based materials, educational videos, smart board techniques, modules based teaching, power point presentations
<b>2.3.2 Students mentoring system available in the institution? Give details. (maximum 500 words)</b>					
There is a tutorial system in some departments where teachers act as academic mentors. Students are guided by the respective teachers regarding their further course of study. Teachers also act as counsellors to meet their academic and other needs.					
Number of students enrolled in the institution		Number of fulltime teachers		Mentor: Mentee Ratio	
3208(All semester, UG and PG and Self Financing Courses)		42/41/39(Including Teachers Of the self financing Departments)		1:76.38/ 1:78.24/ 1:82.26	

<b>2.4 Teacher Profile and Quality</b>				
<b>2.4.1 Number of full time teachers appointed during the year</b>				
No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
47	35(1/7/18-31/1/19) 34 (1/2/19-31/3/19) 32(1/4/19-30/6/19)	12(1/7/18-31/1/19) 13(1/2/19-31/3/19) 15(1/4/19-30/6/19)	Nil	21(1/7/18-31/1/19) 20(1/2/19-31/3/19) 18(1/4/19-30/6/19)
<b>2.4.2 Honours and recognitions received by teachers</b> (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year )				
Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies	
2016	Dr Subhadeep Ray	Associate Professor in English	UGC Travel grant to attend an International conference patronized by the European Parliament	
2017	Dr Falguni Mukhopadhyay	Principal	Special Recognition as an academician by Honourable Chief Minister, W.B	
<b>2.5 Evaluation Process and Reforms</b>				
<b>2.5.1 Number of days from the date of semester-end/ year- end examination till the declaration of results during the year</b>				
Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester-end/ year- end examination
B.A Honours	BAH	Year	21-4-2018	18-7-2018
BSC Honours	BSCH	Year	21-4-2018(Th) 21-5-2018(Prac)	07-07-2018
BCOM Honours	BCOMH	Year	21-4-2018	07-07-2018
BA General	BAG	Year	23-4-2018	14-9-2018
BSC General	BSCG	Year	23-4-2018(Th), 30-05-18(Prac)	14-9-2018
BCOM General	BCOMG	Year	23-4-2018	14-9-2018
PG	MAENG	Semester	21-8-18	28-8-18
BBA Honours	BBAH	Year	23-4-2018 28-5-2018(Project)	13-8-2018
BCA Honours	BCAH	Year	23-4-2018 22-5-2018(Prac)	8-8-2018
<b>2.5.2 Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)</b>				
Regarding Continuous Internal Evaluation (CIE), the college has initiated the following processes:				
<ol style="list-style-type: none"> <li>1. Internal Assessment Examination for theoretical and practical papers, involving written (both descriptive, objective or OMR type), oral examinations as well as Project works.</li> <li>2. Periodic class tests, its assessment and subsequent discussion to improve.</li> <li>3. Online submission of marks of assessed answer scripts.</li> </ol>				

<b>2.5.3 Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)</b>				
The college prepares an Academic Calendar of its own, highlighting the major academic and student-related events along with holidays. During the preparation, special attention is given to the needs of the first generation and female learners. It is prepared using the Academic Calendar of the University, as a primary guide. The IQAC takes particular care so that the Calendar is followed throughout session. And this is reviewed from time to time at the IQAC meetings.				
<b>2.6 Student Performance and Learning Outcomes</b>				
2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)				
Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed subject wise on the college website. <b>Weblink:</b> <a href="http://www.bccollegeasansol.org/program_outcome.php">http://www.bccollegeasansol.org/program_outcome.php</a>				
Besides the college website, prospectus which provides all important and necessary information about all the programs and courses, rules, regulations and other relevant information is given to the students.				
2.6.2 Pass percentage of students				
Programme Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final semester/year examination	Pass Percentage
BAH	B.A Honours	250	101	40.4
BSCH	BSC Honours	44	25	56.82
BCOMH	BCOM Honours	112	93	83.03
BAG	BA General	76	10	13.15
BSCG	BSC General	9	01	11.11
BCOMG	BCOM General	65	46	70.77
MAENG	PG	16	16	100
BBAH	BBA Honours	42	42	100
BCAH	BCA Honours	21	19	90.47
<b>2.7 Student Satisfaction Survey</b>				
2.7.1 Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink) <b>Weblink:</b> <a href="http://www.bccollegeasansol.org/feedback.php">http://www.bccollegeasansol.org/feedback.php</a>				
<b>CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION</b>				
<b>3.1 Resource Mobilization for Research</b>				
3.1.1 Research funds sanctioned and received from various agencies, industry and other organisations(Nil during 2018-19)				
Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the Academic year
Major projects	NIL	NA	NA	NIL
Minor Projects	NIL	NA	NA	NIL

Interdisciplinary Projects	NIL	NA	NA	NIL
Industry sponsored Projects	NIL	NA	NA	NIL
Projects sponsored by the University/ College	NIL	NA	NA	NIL
Students Research Projects (other than compulsory by the College)	NIL	NA	NA	NIL
International Projects	NIL	NA	NA	NIL
Any other(Specify)	NIL	NA	NA	NIL
Total	NIL	NA	NA	NIL

### 3.2 Innovation Ecosystem

#### 3.2.1 Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of Workshop/Seminar	Name of the Dept.	Date(s)
Award distribution ceremony for student achievers	IQAC and college	1.7.18
Hindi SahityokaItihas O AcharyaRamchandraSukla (State level seminar)	Hindi	10.10.2018
IQAC Sponsored one day state level seminar in chemistry	Chemistry	12.12.18
Quality Assurance of Higher Education: Role of IQAC (State level workshop)	IQAC	19.12.18
Chemistry Industrial Visit	Chemistry	20.12.18
Relevance of Sanskrit in the modern society (State level seminar)	Sanskrit	17.01.19
Western logic II (College level seminar)	Philosophy	17.01.19
Recent Trends in Physics (National level seminar)	Physics	19.01.19
Science Fair	Science Departments and IQAC	22.01.19
Staff Incentive Programme	College	31.01.19
Demonetisation: Issues and Concern (State level seminar)	Economics	6.02.2019
NSS Special Camp	NSS	28/02/19-6/03/19
Swadhinta Uttar Bangla Sahitya Madhyabitter Sankat (National level seminar)	Bengali	18.04.19

#### 3.2.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year **NIL**

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
NA	NA	NA	NA	NA

3.2.3 No. of Incubation centre created, start-ups incubated on campus during the year <b>NIL</b>						
Incubation Centre		Name		Sponsored by		
NA		NA		NA		
Name of the Start-up		Nature of Start-up		Date of commencement		
NA		NA		NA		
<b>3.3 Research Publications and Awards</b>						
3.3.1 Incentive to the teachers who receive recognition/awards <b>NIL</b>						
State		National		International		
3.3.2 Ph.Ds awarded during the year ( <i>applicable for PG College, Research Center</i> ) <b>NA</b>						
Name of the Department			No. of Ph. Ds Awarded			
3.3.3 Research Publications in the Journals notified on UGC website during the year						
	Department	No. of Publication		Average Impact Factor, if any		
National	English	1		NIL		
	History	2		NIL		
International	Chemistry	2		3.909		
	Physics	7		NIL		
3.3.4 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year						
Department			No. of publication			
Bengali			3			
English			2			
History			2			
Chemistry			1			
3.3.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index See <b>ANNEXURE - II</b>						
Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
3.3.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science) <b>NIL</b>						
Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication

3.3.7 Faculty participation in Seminars/Conferences and Symposia during the year :				
No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops	-	22	26	3
Presented papers	10	15	7	-
Resource Persons	-	-	1	-

### 3.4 Extension Activities

3.4.1 Number of extension and outreach programmes conducted in collaboration with industry, community and Non-Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the Activities	Organising unit/ agency/ collaborating agency	Number of teachers co-ordinated such activities	Number of students participated in such activities
Literacy day Celebration on 8/9/2019	NSS	1	35
National Blood Donation day celebration on 1/10/18	NSS Unit	1	35
Blanket Distribution at Cheshire home on 3-12-18	NSS	1	60
Wheel chair Distribution at Cheshire home on 4-3-19	NSS	1	55
Traffic control during DurgaPuja from 8.10.18-14.10.18	NCC and ADPC	1	124
Safe Drive save life on 4.2.2019	NCC and ADPC	1	86
Blood Donation on 7.2.2019	NCC and Asansol District Hospital	1	76

3.4.2 Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the Activity	Award/recognition	Awarding bodies	No. of Students benefited
INDIAN MILITARY ACADEMY, DEHRADUN	NATIONAL LEVEL SPECIAL ACHIEVEMENT	Government of India	1
INTER DTE SHOOTING	NATIONAL LEVEL SILVER MEDAL	Government of India	1
INTER DTE SHOOTING	NATIONAL LEVEL BRONZE MEDAL	Government of India	1
INTER DTE SHOOTING	NATIONAL LEVEL GOLD MEDAL	Government of India	1
INTER DTE	NATIONAL LEVEL GOLD	Government of	1

SHOOTING	MEDAL	India	
NATIONAL SHOOTING	GOLD MEDAL NATIONAL LEVEL	Government of India	1
GV MAVALANKAR SHOOTING	SILVER MEDAL NATIONAL LEVEL	Government of India	1
GV MAVALANKAR SHOOTING	BRONZE MEDAL	Government of India	1
NATIONAL SHOOTING	SILVER	Government of India	1
OFFICER'S TRAINING ACADEMY, (S.S.B), KAMPTEE	NATIONAL LEVEL SPECIAL ACHIEVEMENT	Government of India	1

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3.4.3 Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/ agency/ collaborating agency	Name of the activity	Number of teachers <b>coordinated</b> such activities	Number of students participated in such activities
'Swacchta Hi Seva' program on 29/9/18	NSS Unit	Cleaning activity at college and adopted village	1	45
National Blood Donation day celebration on 1/10/18	NSS Unit	Blood donation camp organized at college	1	35
Worlds Aids day celebration on 1/12/18	NSS Unit	Road Show, Awareness Rally and Seminar	1	45
Tree plantation on 2-3-19	NSS Unit	Tree plantation at adopted village	1	50
Swachha Bharat Abhijan on 15.06.18	NCC Unit(10 Bengal Battalion)	Cleaning Streets and Rallies	1	63
Swachha Bharat Abhijan on 31.07 .18	NCC Unit(10 Bengal Battalion)	Cleaning of college campus	1	82
Swachha Bharat	NCC Unit(10 Bengal Battalion)	Cleaning Streets, statues and Public	1	82



Abhijan on 15.08.18		places in areas adjacent to college		
Swachha Bharat Abhijan on 5.9.18	NCC Unit(10 Bengal Battalion)	Cleaning Streets and public places in campus	1	82
Swachha Bharat Abhijan on 01.10.18	NCC Unit(10 Bengal Battalion)	Cleaning Streets and public places in RabindraBhawan area, Asansol	1	82
Swachha Bharat Abhijan on 02.10.18	NCC Unit(10 Bengal Battalion)	Cleaning Streets and public places in court more area, Asansol	1	82
Swachha Bharat Abhijan on 14.11.18	NCC Unit(10 Bengal Battalion)	Cleaning Streets and Public places in Bhagat Singh more, Asansol	1	63
Aids Awareness on 25.1.2019	NCC Unit(10 Bengal Battalion)	Rallies	1	46
Tree plantation on college campus 3.7.18, 14.08.18, 21.08.18,6.11.18	NCC Unit(10 Bengal Battalion)	Tree plantation	1	114
Tree plantation on unit H.Q on 23.9.18, 3.01.19, 23.01.19	NCC Unit(10 Bengal Battalion)	Tree plantation	1	114
Tree plantation on HLG more, Kumarpur and PI lines on 16.10.18,10.11.18, 21.11.18 , and 23.01.19	NCC Unit(10 Bengal Battalion)	Tree plantation	1	114
Tree Plantation Activity on 02-03-19	NSS	Tree plantation	2	50

<b>3.5 Collaborations</b>				
3.5.1 Number of Collaborative activities for research, faculty exchange, student exchange during the year <b>NIL</b>				
Nature of Activity		Participant	Source of financial support	Duration
NA		NA	NA	NA
3.5.2 Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the year <b>NIL</b>				
Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	participant
3.5.3 MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year <b>NIL</b>				
Organisation		Date of MoU signed	Purpose and Activities	Number of students/teachers participated under MoUs
NA		NA	NA	NA
<b>CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES</b>				
<b>4.1 Physical Facilities</b>				
4.1.1 Budget allocation, excluding salary for infrastructure augmentation during the year				
Budget allocated for infrastructure augmentation		Budget utilized for infrastructure development		
15,00,000		16,56,926		
4.1.2 Details of augmentation in infrastructure facilities during the year				
Facilities		Existing	Newly added	
Campus area		44515.4 sq meter	<b>NIL</b>	
Class rooms		41	7(some laboratories and store room are now being used as class room too)	
Laboratories		17	NIL	
Seminar Halls		01	NIL	
Classrooms with LCD facilities		NIL	NIL	
Classrooms with Wi-Fi/ LAN		NIL	NIL	
Seminar halls with ICT facilities		2	NIL	
Video Centre		NIL	NIL	
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.		NIL	NIL	
Value of the equipment purchased during the year (Rs. in Lakhs)		Rs. 110714/-	Rs. 89888/-	
Others		**		
**8 Teachers Quarters, 6 Non teaching Staff quarters, 1 Canteen, 1 Auditorium, 2cycles stand, 1 Students' Union Office, 1 Girls Common Room, 1 Principal's Bunglow,1 Girls Hostel, 1 Annexe Building, 4 Rooms for NCC, NSS and Sports, 1 Pump operator's rest room, 1 Store room, 1 Multi Gym, 4 rooms for office(General), 1 B.B.A&B.C.A office,1 principal's chamber, 1 Meeting Room , 2Staff Room, 6 departmental office , 1 IQAC room,1 examination room ,1 examination store room, 1 Service book Room,				

1 General store room, 15 toilets(8 for Gents and 7 for ladies) , 1 IGNOU office, 1 IGNOU Store, 1 Central Library, 1 vacant room to be used for lab,1 B.B.A , B.C.A library, 1 P.G. Office and Library, 1 playground, 1 volleyball court,2 Badminton courts.1 Principal's Garage, and 1 Guest House

#### 4.2 Library as a Learning Resource

4.2.1 Library is automated {Integrated Library Management System -ILMS }

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
SOUL	Fully	2.0.0.14	2013

4.2.1 Library Services:

Central Library:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	26891	3457841	611	142193	27502	3678464
Reference Books	7960		134	78430	8094	
e-Books	NLIST		-	-	-	
Journals	4	4410	-	-	4	4410
e-Journals	NLIST	5900	-	-	NLIST	5900
Digital Database	-					
CD & Video	-					
Library automation	SOUL	31000	-	-	SOUL	31000
Weeding (Hard & Soft)	-					
Others (specify)	Magazines 9	21845	-	-	9	21845

English PG Library:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	410	200000	-	-	410	200000
Reference Books	150				150	
e-Books	NLIST	-	-	-	NLIST	-
Journals	-					
e-Journals	NLIST				NLIST	
Digital Database						
CD & Video	1 Set	2000			1 Set	2000
Library automation	-	-				
Weeding (Hard & Soft)	-	-				
Others (specify)	-	-				

Library of Self Financing Courses:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	1434	560000			1434	560000
Reference Books	350				350	
e-Books	NLIST				NLIST	
Journals						
e-Journals	NLIST				NLIST	
Digital Database						
CD & Video						
Library automation	Soul				Soul	
Weeding (Hard & Soft)						

Others (specify)	-	-				
Library of Physics Department						
	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	0	79445	-	15300	-	94745
Reference Books	259		51		310	
e-Books						
Journals						
e-Journals						
Digital Database						
CD & Video						
Library automation						
Weeding (Hard & Soft)						
Others (specify)	-	-				

### 4.3 IT Infrastructure

#### 4.3.1 Technology Upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available band width (MGBPS)	Others
Existing	79	03	06	02	01	2	09	100MBPS and 22.2 MBPS	
Added	-	-	3	6	-				
Total	79	3	9	8	-				

#### 4.3.2 Bandwidth available of internet connection in the Institution (Leased line)

100 and 22.2 MBPS

#### 4.3.3 Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
<b>e-Black Board</b> of College website	Weblink: <a href="http://www.bccollegeasansol.org/black_board.php">http://www.bccollegeasansol.org/black_board.php</a>
<b>e-Content</b> of College website	Weblink: <a href="http://www.bccollegeasansol.org/e_content.php">http://www.bccollegeasansol.org/e_content.php</a>

#### 4.3.4 E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e - content
Dr Sujit Kumar Bera	Co-ordination Chemistry	<b>e-Black Board</b> of College website	13-1-19
Dr Sujit Kumar Bera	Molecular orbital Chemistry	<b>e-Black Board</b> of College website	13-1-19
Dr Tapan Kumar Si	Co-ordination Chemistry	<b>e-Black Board</b> of College website	30-3-19

### 4.4 Maintenance of Campus Infrastructure

#### 4.4.1 Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
22,00000	22,32,994	12,00,000	12,58,366

4.4.2 Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (*maximum 500 words*) (information to be available in institutional Website, provide link)

Laboratory:

1. Laboratories are cleaned everyday
2. Reagents are prepared in stock and utilised as per need in Chemistry labs. Instruments and their functionalities and conditions are periodically checked in the Physics and Geography labs. Specimens and other chemicals are also used and checked as per requirement by the departments of Zoology and Botany. Mathematics, BCA department periodically runs the maintenance of its computers in the lab.
3. Repairing for breakage and mal-functioning is done periodically or in emergency need.
4. Fresh purchase of chemicals, instruments and specimens, along with major renovation works are done by sending proper requisition from the respective department to the concerned college regulatory body at the beginning of every academic year. The Finance committee then prepares the budget of that academic year, which is placed before the Governing Body for approval.
5. On availability of fund the requisite amount is disbursed to the concerned departments as per budgetary allocations.
6. Consequent purchase and proceedings are monitored by the concerned regulatory bodies of the institution.
7. After fresh purchase every items are entered in stock and categorised.

Library :

1. New books are purchased for the library according to the latest syllabus by the approval of library committee and college authority.
2. Latest arrival list are displayed in the library notice board.
3. Open access system is provided to the users for maximum utilization of library resources.
4. Books are arranged on the library according to DDC 23<sup>rd</sup> ed. for users' convenience.
5. Shelf order maintenance is done on daily basis.
6. Users can search books through OPAC as the library is completely automated.
7. Quick and hassle free lending facility is provided to the users with the help of bar code scanner.
8. Periodic checking of library materials, cleaning and disinfecting is done by library staff.
9. Register for account of visitors is maintained on daily basis.

Sports complex:

1. The outskirt of the complex is cleaned periodically.
2. Cutting of grass in the field is done periodically. Persons are locally contacted for the purpose.
3. The stadium is cleaned periodically.
4. An instructor is there in the Multi Gym to train and guide the trainee students. He also looks after the maintenance and cleaning of the gym.
5. Sport equipments are purchased periodically as per needs. A particular Committee looks after the maintenance and purchase of sport equipments.

Computers:

1. Internal monitoring committee is in charge of maintenance and repairing.
2. The committee also looks after the necessity of fresh purchase and make necessary arrangements.

Classrooms:

1. Classrooms are wiped regularly.
2. For smart classrooms a log-book for usage is maintained.
3. Internal monitoring committee is in charge of maintenance of classrooms.

<b>CRITERION V - STUDENT SUPPORT AND PROGRESSION</b>						
<b>5.1 Student Support</b>						
5.1.1 Scholarships and Financial Support						
	Name /Title of the scheme	Number of students	Amount in Rupees			
Financial support from institution	Student Aid Fund	215	Rs 374650			
	Merit Scholarship	37	Rs 91500			
Financial support from other sources						
a) National	Kanyashree	250	Rs. 5458000			
	Swami Vivekananda	33	Rs. 396000			
	Urdu Academy	25	Rs. 135000			
	State Govt. Scholarship	137	Rs. 556500			
b) International	-	-	-			
5.1.2 Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,						
Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved			
Language lab	2012	All students of English department	Department of English			
5.1.3 Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year <b>NIL</b>						
Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed	
NA	NA	NA	NA	NA	NA	
5.1.4 Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year						
Total grievances received	No. of grievances redressed	Average number of days for grievance redressal				
<b>NIL</b>	NA	NA				
<b>5.2 Student Progression</b>						
5.2.1 Details of campus placement during the year						
On campus			Off Campus			
Name of Organizations Visited	Number of Students Participated	Number of Students Placed	Name of Organizations Visited	Number of Students Participated	Number of Students Placed	
			Wipro Ltd(29/03/2018)	12	02	
			Wipro Ltd (14/05/2018)	11	01	
			Cognizant	02	Nil	

5.2.2 Student progression to higher education in percentage during the year 39.55					
Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
2018-19	8 (29.63%)	B.C.College, Asansol	Bengali	BHU, KNU, BU	M.A
2018-19	9 (36%)	B.C. College, Asansol	English	B.U., K.N.U., B.H.U.	M.A.
2018-19	4 (100%)	B.C. College, Asansol	Hindi	C.U., K.N.U.,	M.A.
2018-19	3 (50%)	B.C. College, Asansol	Urdu	K.N.U. (Ranijan Girls College)	M.A.
2018-19	1 (25%)	B.C. College, Asansol	Sanskrit	B.Ed. College (Bijoy Pal Memorial B.Ed. College)	B.Ed.
2018-19	2 (40%)	B.C. College, Asansol	Philosophy	K.N.U., Bijoy Pal Memorial B.Ed. College	M.A., D.Ed.
2018-19	1 (100%)	B.C.College, Asansol	Economics	B.U.	M.A.
2018-19	06 (33%)	B.C.College, Asansol	Geography	K.N.U.	M.A.
2018-19	1 (33.30%)	B.C.College, Asansol	Physics	K.N.U.	M.Sc.
2018-19	1 (16.66%)	B.C.College, Asansol	Chemistry	S.K.B.U.	M.Sc.
2018-19	1 (7.69)	B.C.College, Asansol	Zoology	S.K.B.U.	M.Sc.
2018-19	2 (33%)	B.C.College, Asansol	Mathematics	S.K.B.U., Durgapur Rajendra College	M.Sc., B.Ed.
2018-	11 (25.58%)	B.C.College,	B.B.A.	BIBS,	M.B.A.,

19		Asansol		GLOBSYN, CIMS, VisvaBharati, PIBM	PGDM, M.R.M,
2018-19	05 (23.8)	B.C.College, Asansol	B.C.A.	W.B.U.T., B.B.I.T., V.U.EIILM, Sastra University	M.B.A., M.C.A.

5.2.3 Students qualifying in state/ national/ international level examinations during the year (eg: NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	No. of Students selected/ qualifying	Registration number/roll number for the exam
NET	04	WB0102501534, WB015001824, WB0102502471, WB01501638
SET	01	WB0724548
SLET		
GATE		
GMAT		
CAT		
GRE		
TOFEL		
Civil Services		
State Government Services	65 (Data obtained from the verification Desk, there is no provision to collect appointment letter of the appointed incumbents)	Roll No of exams are not in our record but the university roll no the students are with us. *
Any Other	02	

**\*List of the students obtained Government job during the year 2018-2019**

SL. No.	Name	Discipline	University Roll No.
1	ACHINTA MUKHERJEE	B.A(H)	11AH/103/0005
2	APARAJITA CHARAN	B.A(H)	09/AH/103/0024
3	SUMIT KUMAR	B.COM(H)	11CH/103/0109
4	SHASHI KANT SHARMA	B.COM(H)	11CH/103/0092
5	BIKAS PRASAD	H.S/B.A (p	103/AP/061056
6	MOHIT SHAW	B.A.(H)	09/AH/103/0134
7	RAVI KUMAR SHAW	B.A(H)	08/AH/103/0148
8	KABITA MONDAL	B.A(H)	103/AH/060058
9	SANJIB DUTTA	B.SC.(H)	07SH/103/0054
10	AGAMONI BISWAS	B.A(H)	11AH/103/0007
11	ANINDYA BANERJEE	B.SC.(H)	13SH/103/0007
12	SAGAR LAHA	B.A(H)	10AH/103/0240



13	SUKESH KUMAR MONDAL	B.COM(H)	09CH/103/0094
14	SAIKAT BANERJEE	B.A(H)	14AH/103/0114
15	SANJOY CHAKRABORTY	B.SC.(H)	103/SH/030030
16	MANISH SINGH	B.COM(H)	06CH/103/0031
17	DABASHIS BANERJEE	B.A(H)	10AH/103/0066
18	MANOJ KUMAR PRASAD	B.COM(P)	103/CP/971121
19	KUMAR ABHISHEK	B.COM(H)	10CH/103/0038
20	LAL MOHAN CHATTORAJ	B.A(P)	103/AP/011097
21	NIRNOY BHATTACHARJEE	B.COM(P)	15CP/103/1080
22	SONEE KR. PRASAD	B.COM(H)	11CH/103/0100
23	AYAN SENGUPTA	B.A.(H)	11AH/103/0045
24	SADDAM HUSSAIN	B.A(H)	10AH/103/0238
25	SIDDHARTHA DAS	B.A(P)	10AP/103/1200
26	SM-IZHAR	B.A(H)	08AH/103/0189
27	RAJU KUMNHAKAR	B.SC(H)	12SH/103/0046
28	SUMAN DHIBAR	B.A(P)	10AP/103/1156
29	SURAJIT MAJI	B.SC(H)	11SH/103/0090
30	SHEELADITYA PRASAD	B.COM(H)	10CH/103/0083
31	DIPTEN MAJI	B.A(H)	13AH/103/0064
32	CHITTARANJAN MANDAL	H.S PASS	20/NO-1860
33	MANIDEEP SHARMA	B.COM(H)	13CH/103/0044
34	AMITAVA THAKUR	B.COM(P)	103/CP/991022
35	PANKAJ KR. SINGH	B.COM(H)	11CH/103/0046
36	MITHLESH TIWARI	B.A(P)	103/AP/06147
37	PARTHA PRATIM DEY	B.SC.(H)	11SH/103/0047
38	RAJNISH PAUL	B.A(P)	103/AP/031178
39	GOVINDA KR. HELA	B.COM(H)	11CH/103/0023
40	PABITRA MAJI	B.COM(P)	103/CP/951189
41	KAUSHIK SENGUPTA	B.SC(P)	103/SP/011041
42	RUPLAL SOREN	B.COM(P)	10CP/103/1042
43	GOPAL DUTTA	B.COM(P)	103/CP/991085
44	ASMAT ALI KHAN	B.COM(P)	103/CP/021041
45	RAHUL MISHRA	B.COM(P)	103/CP/061180
46	ANKUSH RAY	B.COM(P)	11CP/103/1012
47	SAMRAT SARKAR	B.COM(H)	15CH/103/0064
48	ANIRBAN CHATERJEE	B.COM(P)	103/CP/001305
49	LOVELY DUTTA	B.A(H)	14AH/103/0052
50	DIPTEN MAJI SARBAJIT	B.A(H)	13AH/103/0064
51	BANDYOPADHYAY KUMAR SUBHAM KR.	B.SC(H)	07SH/103/0056
52	SANJOY	B.COM(H)	15CH/103/0030
53	PRITY GORAI	B.A(H)	09AH/103/0167
54	DEBABRATA DAS	B.A(H)	103/AH/060037
55	PUJA BARNAWAL	B.COM(H)	14CH/103/0044
56	MALOY SANFUI	H.S PASS	ROLL-241111 NO.-0022
57	ANIRUDDHA MUKHERJEE	B.SC(H)	09SH/103/0004
58	PRAMITA DAMODAR	B.A.	ASAN B NO-92/180

59	SANJOY GUCHHAIT	B.A.	307-371-0241
60	SARITA PRASAD KHARWAR	B.A(H)	103/10H/020090
61	AYESHA PARWEZ	B.COM(H)	11CH/103/0012
62	SAROJ KUMAR SHARMA	H.S.	ROLL-201111 NO.-0158
63	AMIT MONDAL	B.SC.(H)	11SH/103/0008
64	AVIJIT GUPTA	BBA	ASANBBM2015/16
65	KARUNA BHAGAT	Physics	221-16103-0008

List of the students obtained other than govt. job during the year 2018-2019

				<b>COMPANY NAME</b>
66	SITU SELUZA	BBA	434-161030011	MARUTI SUZUKI
67	MEHDES KHAN	BBA	434-161030030	TCS,KOLKATA

#### 5.2.4 Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Participants
Trekking Program at Bero Hills on 13/6/2019 as part of Adventure initiative	UG	35
Birthday Celebration Dr. B. C. Roy and Foundation Day celebration of college	UG and PG	45
Commemorating Death Anniversary of Rabindranath Tagore	UG	55
Celebration of Independence Day	UG	45
Teachers day Celebration at college and by the individual departments from 5/9/18 to 15/9/18	UG and PG	500
Trekking Program at Joychandi Pahar Hills on 18/10/2019 as part of Adventure initiative	UG	25
Essay Writing competition on vigilance awareness week in association with UBI on 1/11/18	UG	30
Science Exhibition on 22/1/19	UG	
Badminton Tournament on 7/2/19	Teaching and non teaching	12
International Mother Language Day observation on 21/2/19	UG and PG	50
Rabindra Nazrul Jayanti	UG and PG	25

### 5.3 Student Participation and Activities

#### 5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/ medal	National/ International	Sports	Cultural	Student ID number	Name of the student
2018	GOLD MEDAL	NATIONAL	INTER DTE SHOOTING		WB-18-SDA-1939-65	AKASH NONIA
2018	GOLD MEDAL	NATIONAL	INTER DTE SHOOTING		WB-18-SDA-1939-63	MD IRSHAD ALAM
2018	SILVER MEDAL	NATIONAL	INTER DTE SHOOTING		WB-16-SWA-1944-99	SOMA SAHIS
2018	BRONZE MEDAL	NATIONAL	INTER DTE SHOOTING		WB-16-SDA-1944-90	AJIT SAW

2018	SILVER MEDAL	NATIONAL	G V MAVALANKAR SHOOTING		WB-16-SWA-1944-99	SOMA SAHIS
2018	BRONZE MEDAL	NATIONAL	G V MAVALANKAR SHOOTING		WB-16-SDA-1944-90	AJIT SAW

5.3.2 Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

As prohibited by the Government of West Bengal, the colleges of the state do not have any statutory Students' Council right now. There is also prohibition regarding the inclusion of the students' representative in the Governing Body and other statutory bodies. In this context the management of Bidhan Chandra College has taken certain policies so that the regular programmes of students like the Fresher's Welcome, the College Social, publication of Students' magazine, college sports etc. are properly conducted under the guardianship of the faculty members and by involving students of all the departments. Students related issues are also addressed and students' feedback are regularly sought to take decisions on various matters.

### 5.3 Alumni Engagement

5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):

**NO**

5.3.2 No. of ~~registered~~ enrolled Alumni:

**NA**

5.3.3 Alumni contribution during the year (in Rupees) :

**NA**

5.3.4 Meetings/activities organized by Alumni Association :

**NA**

## **CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT**

### **6.1 Institutional Vision and Leadership**

6.1.1 Mention two practices of decentralization and participative management during the last year (maximum 500 words)

In order to maintain an environment that stimulates in developing a unique blend of academia, practical knowledge, outstanding leadership qualities and good human values the institution has to engage every wing in a decentralized and participative management to accomplish its various programmes in a well-disciplined manner. In the last academic session institution has been successful in developing a three tier system of management where the various departments both execute the administrative policies on academics and other fields, and provide feedback in various manners to the representative statutory bodies about issues regarding daily operation of the teaching-learning process as well as other activities involving teachers, students and official staff. All the departments have regularly conducted departmental meeting in the last year to suggest various new schemes and projects based on practical experiences, make regular and occasional activities like admission, examination, students' progression projects, and extra-curricular activities successfully done. The departments may also apply for goods and means of infrastructural and academic help from the college authority, as prescribed on those meetings. A continuous maintenance of the records of different departments has also been made mandatory. The office of the college, too, has specific managerial involvement in this decentralized structure.

Now, the suggestions, problems, and the rate of executions of different programmes – both regular and special – are discussed by the members of the statutory and non-statutory bodies, the backbone of this decentralized management, in the regular intervals. These committees involve the teaching, non-

teaching, administrative representatives along with experts from outside the college. Each committee has a particular area to focus on. Some important committees are Building Committee, Purchase Committee, Library Committee, Sports Committee, and two more general bodies operating as wide platforms are Teachers' Council and Staff Council. In the last years the operations of these committees have been made more regular and well-coordinated. Resolutions passed by these committees are now communicated to the IQAC and they are executed after official permission of the Governing Body and the College authority, which keeps contact with the University and the Government. Now, it has become a practice to notify all the major decisions and changes on the college website.

Thus there has been a major improvement in the decentralization of the governance and the management of the institution in the last academic session.

6.1.2 Does the institution have a Management Information System (MIS)?

Yes/No/Partial: **Partial**

As regards Management Information System, the following points are to be noted:

1. The college runs its own website, in which all college related notices and events associated with examinations, admissions, routine, NSS, NCC, seminars, workshops, college annual function, sports *etc.* are uploaded timely.
2. The teaching modules as learning materials for the students are uploaded by some teachers.
3. Teachers and staff are intimated about their examination duties online.
4. The entire process of admission, including form fill-up, necessary criterion, publication of merit list and final admission including deposit of admission fees is done online and applicants are informed about their selection from the merit list and admission modalities *via* SMS.

The college is planning to introduce SMS Alert System for important events for all students.

## 6.2 Strategy Development and Deployment

6.2.1 Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

- ❖ Curriculum Development: The curriculum for UG is divided into six semesters and in each semester the student is offered a range of disciplines under the Choice Based Credit System. At the PG level the curriculum is divided into four semesters. A number of permanent faculty members of the college are members of the university UGBOS and PGBOS, and they actively contribute to the framing of the course structures. As well as coordinators of different departments, and/ or representative faculty members do participate in meetings convened by the university to discuss the syllabus. Furthermore, on the basis of the practical experience of the teaching-learning process the faculty members of this college provide the concerned bodies of the university with regular inputs regarding the curriculum. Each department of the college also divides the syllabus of each semester for taking the internal assessment of the students.
- ❖ Teaching and Learning: Teaching and learning are two prime focal areas of the institution to which all the activities are coordinated. Bidhan Chandra College gives maximum importance to the completion of the course, dissemination of the knowledge from authentic sources in the most amiable manner, application of latest technology, continuous assessment of pupils, support to the weaker section of students, regularity and discipline of the academic process and overall conduct of the both the trainers and the trainees. That the college is committed to maintain the quality of the teaching learning process is reflected in the university and post-college performances of the students.
- ❖ Examination and Evaluation: Bidhan Chandra College is affiliated to KaziNazrul University, Asansol, and is, therefore, bound to follow the examination and evaluation process introduced by the

<p>university. An important part of the present CBCS Semester system at the both UG and PG level is to take continuous internal assessment of each student by the concerned department. The college is further a university examination centre for both home students (in specified cases) and students of neighbouring colleges. And the management of the examination process strictly follows the university rules and regulations. Maintenance of the law and order is another prime concern in this regard. Many permanent faculty members of the college are directly associated with the framing of question papers, moderation and evaluation of answers scripts of the university examination.</p>
<ul style="list-style-type: none"> <li>❖ <b>Research and Development:</b> As mainly a UG college affiliated to a state university, Bidhan Chandra College does not provide any research degree at the present state. However, other research activities among both the teachers and the students are continuously encouraged and supported. The college under the IQAC initiative has organized a number of state level and national level seminars on different disciplines. Further, teachers are continuously involved in research activities – most of the faculty members have doctoral degrees, and many other are pursuing their doctoral works. All the facilities are provided to the researchers by the college administration.</li> </ul>
<ul style="list-style-type: none"> <li>❖ <b>Library, ICT and Physical Infrastructure / Instrumentation:</b> Bidhan Chandra College has been applying the ICT based teaching for a number of years. The college uses SOUL software and subscribes INFLIBNET as its knowledge base. The college has three computer laboratories, and adequate number of computers. It also has smart class rooms and a language lab. Furthermore, the traditional laboratories of the science department are highly equipped and regularly updated with new instruments. The students and teachers have access to the technological applications at a wide scale. The college is proud of a good central library which is now fully automated. The Library is also regularly updated. There are a few seminar libraries, as well. The college has one main building and one annex building, though there is scarcity of class rooms and separate rooms of individual departments has been noticed by the college management.</li> </ul>
<ul style="list-style-type: none"> <li>❖ <b>Human Resource Management:</b> By human resource the college understands the students, teachers, staff, guardians, administrative persons, and the community. The college always tries to the best of its capacity to the maximum participation of each and every individual associated to it directly or indirectly in the context specific and common development of the institution. Feedback system and various committees and regular interactions play key roles in this regard.</li> </ul>
<ul style="list-style-type: none"> <li>❖ <b>Industry Interaction / Collaboration :</b> The College has two professional course departments of BBA and BCA who are in regular contact with industries. Recently, the department of Chemistry has also organized industry tours for its students.</li> </ul>
<ul style="list-style-type: none"> <li>❖ <b>Admission of Students :</b> The College strictly adheres to the university and government rules and regulations for the admission of the new students at the start of the academic session. As per Government of the West Bengal guidelines, presently the entire admission process is done online. The admission courses is done strictly on the merit basis (seats of each department, approved by the university, are divided according to different categories). There is an Admission Committee which supervises the whole process, sets the criteria in consultations with the concerned department, and is held responsible for the conduct of the entire admission.</li> </ul>
<p>6.2.2 : Implementation of e-governance in areas of operations:</p>
<ul style="list-style-type: none"> <li>❖ <b>Planning and Development:</b> The fund regarding Planning and development received from government exchequer has been utilised through e-governance.</li> </ul>
<ul style="list-style-type: none"> <li>❖ <b>Administration:</b> The administration of the college makes use of the college website for notifications, contacting different stake holders and informing them about various projects and policies. Different</li> </ul>

administrative and academic bodies of the college are displayed on the website, which is regularly updated.					
❖ Finance and Accounts: The payment of salary of individual staff of the college is done online through HRMS portal by NEFT.					
❖ Student Admission and Support: Online admission and submission of fees have been introduced.					
❖ Examination: Regarding the examination process, form-fill up and registration of the students, generation of admit cards, evaluation of answer scripts and up-loading of marks are done online.					
<b>6.3 Faculty Empowerment Strategies</b>					
6.3.1 Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year <b>NIL</b>					
Year	Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support	
6.3.2 Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year					
Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2018-19	Quality assurance in higher education and role of the IQAC	Quality assurance in higher education and role of the IQAC	19-12-18-19-12-18	42	43
6.3.3 No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year					
Title of the professional development programme		Number of teachers who attended		Date and Duration (from – to)	
Refresher programme in Chemistry		1(Dr Tapan Kumar Si)		8/6/18-28/6/18	
Refresher Course in Linguistic(All languages)		1(SmtBarnaliPramanik)		6/8/18-26/8/18	
16 <sup>th</sup> Refresher course in Women and gender Sensitization studies		1(Dr Subhadeep Ray)		18/12/18-07/01/19	
Short Term Course in Digital India		1(Sri Dipankar Arosh)		21/12/18-27/12/18	
Four week orientation course		1(Dr Amrita Banerjee)		4/2/19-1/3/19	
94 <sup>th</sup> Orientation programme		1(Dr Trayee Sinha)		5/3/19-1/4/19	
Moocs , e-content development and open education resources		1(Sri Amitabha Mukhopadhyay)		19/03/19-25/03/19	
6.3.4 Faculty and Staff recruitment (no. for permanent/fulltime recruitment): <b>NIL</b>					
Teaching			Non-teaching		
Permanent	Fulltime	Permanent	Fulltime/temporary		



6.3.5 Welfare schemes for				
Teaching	<ol style="list-style-type: none"> <li>1. Bidhan Chandra Cooperative Credit Society Limited has been functioning for the last 30 years.</li> <li>2. Part-time Teachers have been included under the “Sasthya Sathhi” scheme of govt. of West Bengal.</li> </ol>			
Non teaching	<ol style="list-style-type: none"> <li>1. Bidhan Chandra Cooperative Credit Society Limited has been functioning for the last 30 years.</li> <li>2. Casual non-teaching staffs have been included under the “Sasthya Sathhi” scheme of govt. of West Bengal.</li> </ol>			
Students	Students aid fund.			
<b>6.4 Financial Management and Resource Mobilization</b>				
6.4.1 Institution conducts internal and external financial audits regularly (with in 100 words each) The institution strictly adheres to the Government regulation regarding the financial matters in general, and audit of the college in particular. The internal audit of the college is done regularly, and the external audits are done according to the government norms. The audits of the college are supervised by the Government approved auditor(s) and placed for proper approvals.				
6.4.2 Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)				
Name of the non government funding agencies/ individuals		Funds/ Grants received in Rs.		Purpose
Dr.Gautam Mukherjee		200,000		Merit scholarship for students
Dr.Jayanta Bhattacharya		100,000		Merit scholarship for students
Mr Satish Bagaria		100,000		Merit scholarship for students
6.4.2 Total corpus fund generated 4 lakhs				
<b>6.5 Internal Quality Assurance System</b>				
6.5.1 Whether Academic and Administrative Audit (AAA) has been done?				
Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	University	Yes	College
Administrative	Yes	Government Of West Bengal	Yes	College
6.5.2 Activities and support from the Parent – Teacher Association (at least three)				
<b>NIL</b>				
6.5.3 Development programmes for support staff (at least three)				
<ul style="list-style-type: none"> <li>• Wards of the support staffs are admitted in this institution at concessional fees</li> <li>• Loans are being given to support staffs from B.C. College Cooperative Credit society limited.</li> <li>• Renovation of the staff quarters and reconstruction of the approach road.</li> </ul>				
6.5.4 Post Accreditation initiative(s) (mention at least three)				
<ol style="list-style-type: none"> <li>1. Initiatives are taken for the extension of Physical Infrastructure.</li> <li>2. Steps taken to fill up vacant teaching, non-teaching posts and creation of new teaching posts.</li> <li>3. Departments have taken initiative to conduct local, state level and national level seminars.</li> <li>4. Admission process has been completely digitalised.</li> <li>5. ICT facilities have been extended to different departments.</li> <li>6. Separate departmental office space has been allotted to some departments, like Bengali, Commerce</li> </ol>				

etc.

7. A large number of guest teachers have been appointed to meet the shortage of teachers.
8. Initiatives have been undertaken to procure government grants to spread scientific temper and to eliminate superstitious beliefs.
9. Initiatives taken to increase in intake capacity in the subjects with high demand ratio, like English, Geography, Zoology and Urdu.
10. Introduction of Taxation honours course.

**6.5.5**

- a. Submission of Data for AISHE portal : (Yes /No) Yes. 7/2/19
- b. Participation in NIRF : (Yes /No)
- c. ISO Certification : (Yes /No)
- d. NBA or any other quality audit : (Yes /No)

**6.5.6 Number of Quality Initiatives undertaken during the year**

Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from----- to-----)	Number of participants
2018-19	Seminar on Hindi Sahityo ka Itihas O Acharya Ramchandra Sukla	10.10.2018	One day: 10.10.18	82 students and 16 teachers
2018-19	IQAC sponsored One day State Level Seminar in Chemistry	12.12.18	One day: 12.12.18	18 students 8 teachers
2018-19	Work shop on Quality Assurance of Higher Education: Role of IQAC	19.12.18	One day: 19.12.18	42 teachers 43 non teaching staff
2018-19	Seminar on Relevance of Sanskrit in the Modern Society	17.01.19	One day: 17.01.19	48 students and 8 Teachers
2018-19	Seminar on Western Logic II	17.01.19	One day: 17.01.19	17 students and 3 Teachers
2018-19	Seminar on Recent Trends in Physics	19.01.19	One day: 19.01.19	40 students and 12 teachers.
2018-19	Seminar on Demonetisation: Issues and Concern	06.02.19	One day: 06.02.19	93 students 29 teachers
2018-19	National level Seminar on Swadhinara Uttar Bangla Sahitye Madhyabitter Sankat	18.04.19	One day: 18.04.19	92 students and 40 teachers, including research scholars

**CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES**

**7.1 - Institutional Values and Social Responsibilities**

7.1.1 Gender Equity (Number of gender equity promotion programmes organized by the institution during the year) **NIL**

Title of the programme	Period (from-to)	Participants	
		Female	Male

7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:  
 Percentage of power requirement of the College met by the renewable energy sources

1. Replacement of old electric bulbs by Led lamps
2. Tree plantation on the college campus;



7.1.3 Differently abled (Divyangjan) friendliness		
Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities		
Provision for lift		
Ramp/ Rails	Yes; Ramps: 02	10
Braille Software/facilities		
Rest Rooms		
Scribes for examination		
Special skill development for differently abled students		
Any other similar facility		

#### 7.1.4 Inclusion and Situatedness

Enlist most important initiatives taken to address locational advantages and disadvantages during the year						
Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
2018-19	17	17	01.10.18	Swatch Bharat Abhiyan at RabindraBhawan, Asansol	Cleanliness	82 students and 01 teacher
			02.10.18	Swatch Bharat Abhiyan at Court More, Asansol	Cleanliness	82 students and 01 teacher
			08.10.18 to 14.10.18	Traffic Control during Durga Puja	Road safety, discipline	124 students, and 01 teacher
			14.11.18	Swatch Bharat Abiyan at Court More, Asansol	Cleanliness	82 students and 01 teacher
			23.9.18,03.19, 23.01.19	Tree plantation at NCC unit H.Q	Green Planet	114 students and one teacher
			16.10.18, 10.11.18, 21.11.18, 23.01.19	Tree plantation at HLG more, Kumarpur and Police lines	Green Planet	114 students and one teacher
			04.02.19	Safe Drive Save Life	Road safety, discipline	86 students and 01 teacher
			07.02.19	Blood Donation	Safe life	76 students and 01 teacher
			29.9.18	Swachat hi Seva	Cleanliness	45 students and

			01.12.18	Celebration of worlds Aids day	Safe sex	one teacher 45 students and one teacher
			3.12.18	Blanket distribution at Cheshire home	Help the poor	60 students and 1 teacher
			04.03.19	Wheel Chair distribution at Cheshire home	Help the physically challenged persons	55 students and 1 teacher

#### 7.1.5 Human Values and Professional Ethics

Code of conduct (handbooks) for various stakeholders

Title	Date of Publication	Follow up (maximum 100 words each)
Prospectus for students	NA	Student attendance is monitored as per the guidelines as mentioned in the prospectus. Rules and regulation regarding examination are strictly followed.
University Statute and Service Conduct Rule for teachers, staffs and administration		Teachers and staffs are treated as per Statute and Service Conduct Rule

#### 7.1.6 Activities conducted for promotion of universal Values and Ethics **NIL**

Activity	Duration (from-----to-----)	Number of participants

#### 7.1.7 Initiatives taken by the institution to make the campus eco-friendly (at least five)

- Replacement of electric bulbs by LED bulbs in the college premises.
- Tree plantation project.
- Gardening on the college campus.
- Restrictions on the entry of vehicles on the college campus.
- Introduction of plastic free and 'no smoking' campus area.

## 7.2 Best Practices

Weblink: [http://www.bccollegeasansol.org/best\\_practice.php?id=53](http://www.bccollegeasansol.org/best_practice.php?id=53)

1. Orientation programme for the newly admitted students
2. Awards to meritorious students from the fund generated mainly from the donation of the teachers and other stakeholders
3. Involvement in inter-college sports and cultural activities.
4. Dedicated wing for the speedy redressal of student's problems.
5. Ragging free Campus.
6. Zero Student Grievances.
7. Promoting the cause of gender empowerment.
8. Active involvement in outreach program.
9. Quick redressal of the issues of the stakeholders.

### 7.3 Institutional Distinctiveness

Weblink:[http://www.bccollegeasansol.org/institution\\_distinctiveness.php?id=53](http://www.bccollegeasansol.org/institution_distinctiveness.php?id=53)

1. Destination of the students coming from the poor and the disadvantageous section of the society.
2. Female students are higher than the male students in this College.
3. This College is known for the extension activities and social outreach programme.

### 8. Future Plans of action for next academic year (500 words)

1. Extension of physical infrastructure
2. Introduction of inter-departmental lecture series.
3. Completion of Management Information System.
4. Pursuance of introduction of nursing course.
5. Establishment of linkage with Industry and Educational .
6. Extension of eco-friendly processes.
7. Introduction of value added courses.

Name SREEMANTA SARKAR

Name DR. FALGUNI MUKHOPADHYAY

Sreemanta Sarkar

Signature of the Coordinator, IQAC  
Co-Ordinator  
Internal Quality Assurance Cell (IQAC)  
Bidhan Chandra College  
Asansol - 4



Falguni Mukhopadhyay

Signature of the Chairperson, IQAC

Principal  
Bidhan Chandra College  
Asansol

**Abbreviations:**

CAS	-	Career Advancement Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution

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## ANNEXURE II

Title of the paper	Name of the author	Title of the journal	Year of Publication	Citation Index upto 2019	Institutional affiliation as mentioned in the publication	No. of citation excluding self citations upto 2019
Polysaccharides from Thymus vulgaris leaf: Structural features, antioxidant activity and interaction with bovine serum albumin.	Banerjee, P., Mukherjee, S., Bera, K., Ghosh, K., Ali, I., Khawas, S., Ray, B., & Ray, S.	International Journal of Biological Macromolecules	2019	3	The University of Burdwan, WB	3
Determination of Debye Temperature and DebyeWaller Factor of A <sup>III</sup> B <sup>VI</sup> C <sup>II</sup> & A <sup>II</sup> B <sup>IV</sup> C <sup>II</sup> Type Chalcopyrite SemiConductors”, June 2019, , Volume	<b>A K Sharma</b>	IJIRT	2019	NIL	Bidhan Chandra College, Asansol, WB	NIL
Relation Of Lattice Energy With Electronegativity And Principal Quantum Number For Ternary Chalcopyrite semiconductor,	<b>A K Sharma</b>	IJCIRAS	2019	NIL	Bidhan Chandra College, Asansol, WB	NIL
Plasmon Energy and Lattice Energy of Ternary Chalcopyrite semi-Conductors	<b>A K Sharma, S Prasad, SK Gorai,</b>	International Journal Of Innovative Research In	2019	NIL	Jharkhand Rai University, Ranchi	NIL
Relation Of Lattice Energy With Electronegativity And Principal Quantum Number For Ternary Chalcopyrite Semiconductor	<b>A K Sharma, S Prasad, SK Gorai,</b>	IJCIRAS	2019	NIL	Jharkhand Rai University, Ranchi	NIL
An Empirical Relation for the Calculation of Ionicity of Ternary Chalcopyrite Semi-Conductors	<b>A K Sharma, S Prasad, SK Gorai,</b>	International Journal Of Innovative Research In Technology	2019	NIL	Jharkhand Rai University, Ranchi	NIL
Polysaccharides from Thymus vulgaris leaf: Structural features, antioxidant activity and interaction with bovine serum albumin. I	Banerjee, P., Mukherjee, S., Bera, K., Ghosh, K., Ali, I., Khawas, S., Ray, B., & Ray, S.	International Journal of Biological Macromolecules	2019	NIL	The University of Burdwan, WB	NIL
Abhelita Banasundareeyar Shabateerth o Janapad.	<b>Dipankar Naskar</b>	Sadeshcharcha Lok	2019	NIL	Bidhan Chandra College, Asansol, WB	NIL
An Empirical Micro-Hardness Model Of A <sup>I</sup> B <sup>III</sup> C <sup>VI</sup> & A <sup>II</sup> B <sup>IV</sup> C <sup>V</sup> Type Ternary Chalcopyrite Semiconductors.	<b>A K Sharma</b>	Journal of Applied Science and Computations	2018	NIL	Jharkhand Rai University, Ranchi	NIL
From Ritual Politics: Women Reading the Panchalis	<b>Travee Sinha</b>	Asian Studies	2018	NIL	Bidhan Chandra College, Asansol, WB	NIL
An Empirical Refractive Index Model Of A <sup>I</sup> B <sup>III</sup> C <sup>VI</sup> & A <sup>II</sup> B <sup>IV</sup> C <sup>V</sup> Type Ternary	<b>A K Sharma</b>	International Journal Of Innovative	2018	NIL	Bidhan Chandra College, Asansol, WB	NIL

Chalcopyrite Semiconductors.		Research In Technology				
Nimnabange “Shiuli” ba “Gachhi” sampradaylokshilpa o sanskriti	<b>Dipankar Naskar</b>	Sadeshcharcha Lok	2018	NIL	Bidhan Chandra College, Asansol, WB	NIL
An Empirical Relation Showing the Variation of Refractive Index With Energy Gap for $A^I B^{III} C_2^{VI}$ & $A^I B^{IV} C_2^V$ Type Ternary Chalcopyrite Semiconductors”,	<b>A K Sharma</b>	International Journal Of Innovative Research In Technology	2018	NIL	Bidhan Chandra College, Asansol, WB	NIL
Efficient One Pot Synthesis of Chromenonaphthyridine Derivatives by $CuI/InCl_3$ Catalyzed Aza Diels-Alder Reaction.	<b>Pradip Kumar Maji,</b> <b>Ayan Mahalanobish</b>	Heterocycles	2018	NIL	Bidhan Chandra College, Asansol, WB	NIL
In vivo cough suppressive activity of pectic polysaccharide with arabinogalactan type II side chains of Piper nigrum fruits and its synergistic effect with piperine	Sadhana Khawas, Gabriela Nosálová, Sujay Kumar Majee, <b>Kanika Ghosh,</b> Washim Raja, Veronika Sivová, Bimalendu Ray	International Journal of Biological Macromolecules	2017	6	The University of Burdwan	5
Copper Accelerated One-Pot Sequential Tandem Synthesis of Tetrahydropurinoisoquinoline Derivatives	<b>Pradip Kumar Maji,</b> <b>Ayan Mahalanobish</b>	Heterocycles	2017	NIL	Bidhan Chandra College, Asansol, WB	NIL
Enhanced dynamical response of derivative controlled third order phase locked loops	<b>S Chakraborty,</b> BC Sarkar	Communications in Nonlinear Science and Numerical Simulation	2016	3	Bidhan Chandra College, Asansol, WB	2
Structural highlights of an antioxidative arabinogalactan protein of Lannea grandis gum that stabilizes $\beta$ -lactoglobulin	Sujay Kumar Majee, Kaushik Bera, Washim Raja, <b>Kanika Ghosh,</b> Sayani Ray, Bimalendu Ray	Food hydrocolloids	2016	1	The University of Burdwan	NIL
Weighted network analysis of earthquake seismic data	<b>A Chakraborty, G Mukherjee, SS Manna</b>	Physica A: Statistical Mechanics and its Applications	2015	6	Bidhan Chandra College, Asansol, WB	6
Isolation and structural elements of a water-soluble free radical scavenger from <i>Nyctanthes arbor-tristis</i> leaves	<b>Kanika Ghosh,</b> Sayani Ray, Kaushik Bera, Bimalendu Ray	Phytochemistry	2015	6	The University of Burdwan	3
Extracted polysaccharide from <i>Nyctanthes arbor-tristis</i> leaves: Chemical and antitussive properties	<b>Kanika Ghosh,</b> Gabriela Nosálová, Sayani Ray, Veronika Sivová, Slavomír Nosál, Bimalendu Ray	International journal of biological macromolecules	2015	2	The University of Burdwan	1

Isolation and structural features of an antiradical polysaccharide of <i>Capsicum annuum</i> that interacts with BSA	Sujay Kumar Majee, Sayani Ray, <b>Kanika Ghosh</b> , Valérie Micard, Bimalendu Ray	International journal of biological macromolecules	2015	6	The University of Burdwan	4
Chemical structure of the arabinogalactan protein from gum ghatti and its interaction with bovine serum albumin	<b>Kanika Ghosh</b> , Sayani Ray, Debjani Ghosh, Bimalendu Ray	Carbohydrate polymers	2015	8	The University of Burdwan	7
Structural elements of an antioxidative pectic arabinogalactan from <i>Solanum virginianum</i>	Washim Raja, <b>Kanika Ghosh</b> , Bimalendu Ray	Planta Medica Letters	2015	2	The University of Burdwan	2
Self-oscillations of a third order PLL in periodic and chaotic mode and its tracking in a slave PLL	BC Sarkar, <b>S Chakraborty</b>	Communications in Nonlinear Science and Numerical Simulation	2014	15	Bidhan Chandra College, Asansol, WB	5
In vivo antitussive activity of a pectic arabinogalactan isolated from <i>Solanum virginianum</i> L. in Guinea pigs	Washim Raja, Gabriela Nosálova, <b>Kanika Ghosh</b> , Veronika Sivova, Slavomir Nosal, Bimalendu Ray	Journal of ethnopharmacology	2014	8	The University of Burdwan	2
Catalytic asymmetric aminolactonization of 1,2-disubstituted alkenoic acid esters: efficient contraction of aminolactons with an all-carbon quaternary stereocentre	Saumen Hajra, <b>Sk Md. Samim Akhtar</b> , Sk Md Aziz	Chemical Communications	2014	12	IIT Kharagpur, WB	5
Antitussive arabinogalactan of <i>Andrographis paniculata</i> demonstrates synergistic effect with andrographolide	Gabriela Nosálová, Sujay Kumar Majee, <b>Kanika Ghosh</b> , Washim Raja, Udipta Ranjan Chatterjee, Ludovít Jureček, Bimalendu Ray	International journal of biological macromolecules	2014	8	The University of Burdwan	6
Recent Progress in Metal Assisted Multicomponent Syntheses of Heterocycles	<b>Pradip Kumar Maji</b> , Rafique Ul Islam, <b>Sujit Kumar Bera</b>	Heterocycles	2014	18	Bidhan Chandra College, Asansol, WB	18
Interaction with bovine serum albumin of an antioxidative pectic arabinogalactan from <i>Andrographis paniculata</i>	Udipta R Chatterjee, Sayani Ray, Valérie Micard, Debjani Ghosh, <b>Kanika Ghosh</b> , Shruti S Bandyopadhyay, Bimalendu Ray	Carbohydrate polymers	2014	13	The University of Burdwan, WB	12
Chemically engineered sulfated glucans from rice bran exert strong antiviral activity at the stage of viral entry	Bimalendu Ray, Corina Hutterer, Shruti S Bandyopadhyay, <b>Kanika Ghosh</b> ,	Journal of natural products	2013	22	The University of Burdwan	18



	Udipta R Chatterjee, Sayani Ray, Isabel Zeitträger, Sabrina Wagner, Manfred Marschall					
An amino acid coordinated vanadium (IV) complex: Synthesis, structure, DFT calculations and VHPO mimicking catalytic bromoperoxidation of organic substrates	UrmilaSaha, <b>Tapan Kr Si</b> ,Prasanta Kr Nandi, Kalyan K Mukherjea	Inorg. Chem. Commn.	2013	26	Jadavpur University, WB	19
Antioxidative carbohydrate polymer from Enhydrafluctuans and its interaction with bovine serum albumin	DebjaniGhosh, Sayani Ray, <b>KanikaGhosh</b> , ValérieMicard, Udipta R Chatterjee, Pradyot K Ghosal, Bimalendu Ray	Biomacromolecules	2013	20	The University of Burdwan, WB	3
Synthesis, structural characterization, VHPO mimicking peroxidativebromination and DNA nuclease activity of oxovanadium (v) complexes	SwarupPatra, SuparnaChatterjee, <b>Tapan Kr Si</b> ,Kalyan K Mukherjea	Dalton Trans	2013	37	Jadavpur University, WB	18
Chaotic Dynamics of a Third Order PLL with Resonant Low Pass Filter in Face of CW and FM Input Signals	<b>S Chakraborty</b> , BC Sarkar	Aceee International Journal on Communication	2012	2	Bidhan Chandra College, Asansol	2
Synthesis, structural characterization and catalytic activity of a multifunctional enzyme mimetic oxoperoxovanadium (v) complex	<b>Tapan K Si</b> , Shiv S Paul, Michael GB Drew, Kalyan K Mukherjea	Dalton Trans	2012	40	Jadavpur University, WB	27
Radical-mediated cyclization reaction — Regioselective synthesis of pyrimidine- and coumarin-annulated [6,6]-fused oxygen heterocycles	Krishna C Majumdar PradipDebnath <b>Pradip Kumar Maji</b>	Canadian Journal of Chemistry	2011	2	Bidhan Chandra College, Asansol, WB	2
Peroxidativebromination and oxygenation of organic compounds: Synthesis, X-ray crystal structure and catalytic implications of mononuclear and binuclear oxovanadium(V) complexes containing Schiffbase ligands	<b>Tapan Kumar Si</b> , Michael GB Drew, Kalyan Kumar Mukherjea	Polyhedron	2011	13	Jadavpur University, WB	8
Recent Development in Palladium-Mediated Synthesis of Oxygen Heterocycles	Krishna C. Majumdar, Buddhadeb Chattopadhyay,	Heterocycles	2010	16	University of Kalyani, Kalyani, WB	12



	<b>Pradip Kumar Maji</b> , Sudip K. Chattopadhyay					
Recent Development in Palladium-Mediated Synthesis of Nitrogen Heterocycles	Krishna C. Majumdar, Buddhadeb Chattopadhyay, <b>Pradip Kumar Maji</b> , Sudip K. Chattopadhyay	Heterocycles	2010	23	University of Kalyani, Kalyani, WB	21
Graham's law of diffusion: Quantum analogy and non-ideality	<b>Chandrachur Das</b> , Nabakumar Bera, Kamal Bhattacharyya	Journal of Chemical Sciences	2009	1	The University of Burdwan, WB	1
Palladium-catalyzed intramolecular arylation of pyrimidines: a novel and expedient avenue to benzannulated pyridopyrimidines	K.C. Majumdar, B. Sinha, <b>P.K. Maji</b> , S.K. Chattopadhyay	Tetrahedron	2009	35	University of Kalyani, Kalyani, WB	16
Information entropy and bound quantum states	<b>Chandrachur Das</b> , Kamal Bhattacharyya	Physical Review A	2009	20	The University of Burdwan	20
Radical-mediated cyclization reaction — Regioselective synthesis of pyrimidine- and coumarin-annulated [6,6]-fused oxygen heterocycles	Krishna C. Majumdar, Pradip Debnath, and <b>Pradip K. Maji</b>	Can. J. Chem.	2008	2	University of Kalyani, Kalyani, WB	2
The international trade network: weighted network analysis and modelling	K Bhattacharya, <b>G Mukherjee</b> , J Saramäki, K Kaski, SS Manna	Journal of Statistical Mechanics: Theory and Experiment	2008	182	Bidhan Chandra College, Asansol	182
Thiophenol-mediated intramolecular radical cyclization: an efficient method for the synthesis of benzoxocine derivatives	Krishna C. Majumdar, K. Ray, Pradip Debnath, and <b>Pradip K. Maji</b>	Tetrahedron Letters	2008	16	University of Kalyani, Kalyani, WB	11
Novel supramolecular network in tri- and mono-nuclear oxovanadium(V)-salicyl-hydroximate: Synthesis, structure and catalytic oxidation of hydrocarbons using H <sub>2</sub> O <sub>2</sub> as terminal oxidant	<b>Tapan K Si</b> , Santu Chakraborty, Alok K Mukherjee, Michael GB Drew, Ramgopal Bhattacharyya	Polyhedron	2008	25	Jadavpur University, WB	23
Thiol mediated 8-endo-trig radical cyclization: an easy access to medium-sized cyclic ethers	K.C. Majumdar, <b>P.K. Maji</b> , K. Ray, P. Debnath	Tetrahedron Letters	2007	26	University of Kalyani, Kalyani, WB	16
Thiophenol-catalyzed Claisen rearrangement and radical cyclization: formation of furo- and pyrano-coumarin derivatives	K.C. Majumdar, P. Debnath, <b>P.K. Maji</b>	Tetrahedron Letters	2007	27	University of Kalyani, Kalyani, WB	20
The international trade network (Book Chapter)	K Bhattacharya, <b>G Mukherjee</b> ,	Econophysics of markets and	2007	34	Bidhan Chandra College, Asansol	34

	SS Manna	business networks				
Synthesis of Pyrimidine-Annulated Heterocycles: Facile Sulfoxide Rearrangement of 1, 3-Dimethyl-5-(Aryloxybut-2-Ynylthio) Pyrimidine-2, 4-Dione (SUPPORTING DATA)	Krishna C. Majumdar, Pradip K. Maji, Amarta K. Pal.	Letters in Organic Chemistry	2006	3	University of Kalyani, Kalyani, WB	1
Weighted scale-free networks in Euclidean space using local selection rule	G Mukherjee, SS Manna	Physical Review E	2006	28	Bidhan Chandra College, Asansol	28
Synthesis of Oxepin- and Oxocin- Annulated Pyrimidine Derivatives by Claisen Rearrangement and Ring Closing Metathesis/Ring Closing Enyne Metathesis (SUPPORTING DATA)	Krishna C. Majumdar, Pradip K. Maji, HabiburRahaman, Brindaban Roy.	Letters in Organic Chemistry	2006	14	University of Kalyani, Kalyani, WB	3
Synthesis, crystal structure, and magnetic properties of binuclear MnIII-azido and 1D polymeric MnII- $\mu$ 1, 3-thiocyanato novel species based on a neutral hexadentate Schiff base	Soma Deoghoria, Sujit K Bera, Brian Moulton, Michael J Zaworotko, Jean-Pierre Tuchagues, GolamMostafa, Tian-Huey Lu, Swapan K Chandra	Polyhedron	2005	18	The University of Burdwan, WB	18
Detailed simulation results for some wealth distribution models in econophysics	K Bhattacharya, G Mukherjee, SS Manna	Econophysics of Wealth Distributions	2005	15	Bidhan Chandra College, Asansol	15
Industrial polysaccharides from Benincasa and Gracilaria structure physico_chemical property and physiological activity	Sutapa Mazumder, Ph. D. theses	The University of Burdwan, WB	2005	2	The University of Burdwan, WB	1
Kinetic and Mechanistic Study of the Interaction Between cis-[Pt (NN)(H <sub>2</sub> O) <sub>2</sub> ](ClO <sub>4</sub> ) <sub>2</sub> (NN= ethylenediamine or N, N'-dimethylethylenediamine) and L-glutamic Acid in Aqueous Medium	Sujit K Bera, Swapan K Chandra, Gauri S De	BioInorganic Reaction Mechanisms	2005	1	The University of Burdwan, WB	1
Phase transition in a directed traffic flow network	G Mukherjee, SS Manna	Physical Review E	2005	70	Bidhan Chandra College, Asansol	70
Structural characterisation of hemicellulosic polysaccharides from	Sutapa Mazumder, Patrice Lerouge, Corinne	Carbohydrate Polymers	2005	43	The University of Burdwan, WB	33

Benincasahispida using specific enzyme hydrolysis, ion exchange chromatography and MALDI-TOF mass spectroscopy	Loutelier-Bourhis, AzeddineDriouich, Bimalendu Ray					
Substitution of aqua ligands from $cis-[Pt(en)(H_2O)_2](ClO_4)_2$ and $cis-[Pt(dmen)(H_2O)_2](ClO_4)_2$ (en = ethylenediamine, dmen = N,N'-dimethyl ...	<b>Sujit K Bera</b> , Swapan K Chandra, Gauri S De	International Journal of Chemical Kinetics	2005	1	The University of Burdwan, WB	1
Homogeneous selective peroxidic oxidation of hydrocarbons using an oxovanadium based catalyst	<b>Tapan K Si</b> , Krishna Chowdhury, Monika Mukherjee, Dulal C Bera, Ramgopal Bhattacharyya	J. Mol. Cat. A	2004	44	Jadavpur University, WB	39
Kinetic and mechanistic approach of the interaction of glycylglycine with $cis-[Pt(en)(H_2O)_2](ClO_4)_2$ and $cis-[Pt(dmen)(H_2O)_2](ClO_4)_2$ (en = ethyl enediamine, dmen = N,N'-dimethylethylenediamine) in aqueous medium	<b>Sujit K Bera</b> , Gauri S De	Indian Journal of Chemistry-A	2004	6	The University of Burdwan, WB	6
Cell Wall Polysaccharides from Chalkumra (Benincasahispida) Fruit. Part I. Isolation and Characterization of Pectins	<b>Sutapa Mazumder</b> , Claudine Morvan, Swapnadip Thakur, Bimalendu Ray	Journal of agricultural and food chemistry	2004	63	The University of Burdwan, WB	44
Synthesis, crystal structure and magnetic properties of a new ferromagnetic nickel (II) dimer derived from a hexadentate Schiff base ligand	Soma Deoghoria, Sushama Sain, Monica Soler, WT Wong, George Christou, <b>Sujit K Bera</b> , Swapan K Chandra	Polyhedron	2003	29	The University of Burdwan, WB	29
Small-world properties of the Indian railway network	P Sen, S Dasgupta, A Chatterjee, PA Sreeram, <b>G Mukherjee</b> , SS Manna	Physical Review E	2003	607	Bidhan Chandra College, Asansol, WB	607
Modeling the variation of surface tension with composition for binary liquid mixtures	<b>C Das</b> , K Bhattacharyya	Chemical physics letters	2003	3	The University of Burdwan, WB	3
Quasistatic scale-free networks	<b>G Mukherjee</b> , SS Manna	Physical Review E	2003	19	Bidhan Chandra College, Asansol, WB	19
Kinetics of substitution of aqua ligands from $cis$ -diaqua(ethylenediamine)platinum(II)	<b>Sujit K Bera</b> , Swapan K Chandra, Gauri S	International Journal of Chemical	2003	9	The University of Burdwan, WB	8

I) perchlorate by L-asparagine in aqueous medium	De	Kinetics				
Synthesis, crystal structure and magnetic behavior of two new binuclear complexes bridged by a pentadentate ligand: $[\text{Ni}_2\text{L}_2(\text{NCS})_2](\text{ClO}_4)_2$ and $[\text{Ni}_2\text{L}_2(\text{NCO})_2](\text{ClO}_4)_2$ [L=pentadentate ligand]	Soma Deoghoria, Sushama Sain, Brian Moulton, Michael J Zaworotko, <b>Sujit K Bera</b> , Swapan K Chandra	Polyhedron	2002	13	The University of Burdwan, WB	12
Isolation, chemical investigation and antiviral activity of polysaccharides from <i>Gracilariacorticata</i> (Gracilariaceae, Rhodophyta)	<b>Sutapa Mazumder</b> , Prodyut K Ghosal, Carlos A Pujol, María J Carlucci, Elsa B Damonte, Bimalendu Ray	International journal of biological macromolecules	2002	192	The University of Burdwan, WB	181
Synthesis, structure, spectra and redox behavior of a ruthenium (III) complex with a tripodal Schiff base ligand	Soma Deoghoria, Sushama Sain, Tapan K Karmakar, <b>Sujit K Bera</b> , Swapan K Chandra	Journal of the Indian Chemical Society	2002	5	The University of Burdwan, WB	5
Chemical investigation on the polysaccharides present in the mesocarp of chalkumra ( <i>Benincasahispida</i> ) fruit	<b>Sutapa Mazumder</b> , Bimalendu Ray, Prodyut K Ghosal	Asian Journal of Chemistry	2001	5	The University of Burdwan, WB	2

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