



Yearly Status Report - 2019-2020

Part A

Data of the Institution

Part A	
Data of the Institution	
1. Name of the Institution	SURENDRANATH COLLEGE
Name of the head of the Institution	DR. INDRANIL KAR
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	03323543876
Mobile no.	9433427319
Registered Email	principalsurendranathcollege@gmail.com
Alternate Email	em1884snc@gmail.com
Address	24/2 Mahatma Gandhi Road, Kolkata 700009
City/Town	Kolkata
State/UT	West Bengal
Pincode	700009

2. Institutional Status																									
Affiliated / Constituent			Affiliated																						
Type of Institution			Co-education																						
Location			Urban																						
Financial Status			state																						
Name of the IQAC co-ordinator/Director			Dr. Suchandra Chatterjee																						
Phone no/Alternate Phone no.			03323543876																						
Mobile no.			9830920568																						
Registered Email			surendranathcollege.iqac@gmail.com																						
Alternate Email			em1884snc@gmail.com																						
3. Website Address																									
Web-link of the AQAR: (Previous Academic Year)			http://www.surendranathcollege.org/iqac/aqar/																						
4. Whether Academic Calendar prepared during the year			Yes																						
if yes,whether it is uploaded in the institutional website: Weblink :			http://www.surendranathcollege.org/academics/result/																						
5. Accrediation Details																									
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B++</td> <td>80.4</td> <td>2007</td> <td>31-Mar-2007</td> <td>30-Mar-2012</td> </tr> <tr> <td>2</td> <td>B+</td> <td>2.51</td> <td>2016</td> <td>02-Dec-2016</td> <td>01-Dec-2021</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B++	80.4	2007	31-Mar-2007	30-Mar-2012	2	B+	2.51	2016	02-Dec-2016	01-Dec-2021
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1	B++	80.4	2007	31-Mar-2007	30-Mar-2012																				
2	B+	2.51	2016	02-Dec-2016	01-Dec-2021																				
6. Date of Establishment of IQAC			30-Jul-2013																						
7. Internal Quality Assurance System																									
<table border="1"> <thead> <tr> <th colspan="3">Quality initiatives by IQAC during the year for promoting quality culture</th> </tr> <tr> <th>Item /Title of the quality initiative by IQAC</th> <th>Date & Duration</th> <th>Number of participants/ beneficiaries</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>						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														
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A two day International Seminar on Innovation, Expansion, Impacts and Challenges in Chemical and Biological Sciences in association with department of Chemistry	08-Jan-2020 02	500
Awareness Lecture on New Education Policy 2019	07-Dec-2019 01	250
Exhibition on Traditional Maritime Technology	20-Jan-2020 02	500
National Seminar on Science and Technology: Rural Development Science Congress, Kolkata Chapter	20-Jan-2020 02	550
Workshop on Selection, Handling, Precautions and Safety Issues of Glassware Usage	22-Jul-2019 01	200
Faculty Development Program on Redefining Education and Management in Digital Era in association with ICFAI Business School	25-Sep-2019 01	145
Extempore Competition to observe Vigilance Awareness Week 2019 in association with Balmer Lawrie Co. Ltd.	31-Oct-2019 01	150
Hand Sanitizer Preparation Drive (SPARSHA Brand) in association with Department of Chemistry	16-Mar-2020 08	250
An one day national level seminar on Metaphysics a Road to Scientific Speculation in association with Department of Sanskrit	29-Nov-2019 01	86
A faculty enrichment program on SageMath and R in association with Department of Mathematics	31-Jan-2020 01	120
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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
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Botany, Physiology, Zoology	DST BOOST	DST, Govt. of West Bengal	2019 3	2500000
Botany, Chemistry, Physics, Zoology	DBT STAR	DBT, Govt. Of India	2020 3	5400000
Dr. Adity Sarbjana	ST/P/S&T	DST, Govt. of West Bengal	2018 2	223243
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

7

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

Yes

Upload the minutes of meeting and action taken report

[View File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No

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

- Regular IQAC meetings (7) were arranged, 4 exclusively with IQAC members and advisors, 2 with all the members of the Academic Sub Committee, and 1 incorporating all the faculty members of the college

- Both AQAR 201819 and AISHE data were timely submitted

- Feedbacks from Students, Faculty, and Employer were timely collected, analyzed, and used for further improvements

- Academic and Administrative Audits (internal) were conducted by the Audit Committee

- Under the guidance of IQAC some Science departments jointly applied for DBT STAR and DSTWB BOOST Schemes and both were bagged. College was designated as a STAR college

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

Plan of Action	Achivements/Outcomes
To enquire about current status of DST Boost and DBT Star funds and to participate in the NRF ranking	Both the DST BOOST and DBT STAR grants were sanctioned for the college by DSTWB and DBT, Govt. of India respectively but participation in NIRF could not be achieved as NIRF 2020 itself got deffered
To start forming linkages with nearby colleges and research institutions for possible resource and knowledge sharing	MOU with an outskirts college Dinabandhu Mahavidyalaya College, Bongaon and a nearby college St. Pauls College (both in West Bengal) were successfully done for all possible resource and knowledge sharing
To conduct IQAC meetings regularly with its members, advisors and other faculty members	7 such meetings were arranged. 4 exclusively IQAC and 3 incorporating others
To upload AISHE data within the stipulated time limit i.e., by 28.02.2020	The AISHE data was uploaded within the stipulated time limit, on 20.02.2020
To complete the purchase from the first installment of RUSA 2.0 grant	The procedure was initiated timely and successfully got completed
To prepare a new academic calendar for 201920 session for the college	A new academic calendar for 201920 academic session for the college was prepared and adhered to though it had to be modified for the unprecedented Covid 19 pandemic and inevitable institutional closure
To submit the AQAR 201819 within the stipulated time, i.e., within 31.12.2019	The AQAR 201819 was submitted within the stipulated time, on 20.12.2019
To create a dedicated College YouTube channel and upload there all the college activities regularly	A YouTube channel SURENDRANATH COLLEGE LIVE was created and videos (cultural, awareness and motivational) were uploaded from time to time
To publish a College Tabloid carrying all important information about college	DARPAN, the college tabloid was published in association with Department of Journalism
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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Governing Body	29-Dec-2020

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

No

assess the functioning ?	
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	20-Feb-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>Surendranath College has incorporated Management Information System (MIS) since 2012 (student admission and management software) and Employee Management (2015) for increasing the efficiency in the management of our educational institution. MIS enabled our college to reduce paperwork, improve work efficiency, reduce administrative workload of academic staff, eliminate work duplication, and save time. The List of modules included in our system is as follows: STUDENTS MANAGEMENT MODULE: Maintains personal and academic information for every student admitted to college, used for generation of Students General Register and various certifications like Bonafide, Expenditure, Character, Leaving/Transfer, Class wise and category wise registers, etc. Various statistical reports, I Card, and government reports can also be printed out FEES COLLECTION MODULE: Prints Cash Receipts, advances, or Bank Challans as per collection procedure. Tracks Student Fees pending / outstanding dues as per different headings provides summary reports of outstanding dues of students, generates student ledger. FINANCIAL ACCOUNTING MODULE: Creates daily Fee/ Fine Collection vouchers automatically, enters cash and bank receipts/payments vouchers, Contra Entry Vouchers, Journal Vouchers, prints reports like cheque register, Cash Book, Day Book, General Ledger, Bankbook reconciliation, Trial Balance, Income and Expenditure statements and Balance Sheet. PAYROLL MANAGEMENT MODULE: Calculates monthly Net payable as per Pay Scale and Grade Pay for teaching and nonteaching staff. Prepares the paysheet report as per</p>

Allowances Deductions norms. Prepares various submission forms to concerned authorities for sanction government agencies. ESTABLISHMENT MODULE: Manages personal information of Teaching and Nonteaching staff, qualification details, Experience details, joining date details, promotion dates, university approvals, Service record, applicable pay scales, Staff pay details, leave status, extracurricular activities, tax declaration, daily activities like the number of classes taken, etc. SCHOLARSHIP MODULE: Maintains enrolment of students in various Scholarship schemes. Checks Scheme sanctions, undertakes disbursement, generates utilization certificate, tracks scholarship fund flow, etc. DOCUMENT MANAGEMENT MODULE: Manages the Inward and Outward Communication of the administration section. STUDY MATERIAL MODULE: Faculties can upload and provide study materials to students via the college website. Study materials under broad subjects are available under different departments and can be downloaded as needed. FEEDBACK MODULE: We have an online feedback system for students, teaching staff as well as nonteaching staff based on which is managed by MIS and can be downloaded as and when needed. STAFF INFORMATION SYSTEM MODULE: It stores and manages information of teaching and nonteaching staff which includes, payslips, notice for staff only, IT declaration, Service record, yearly record book, etc. In addition, specific notices for staff are also sent via SMS. GOVT. ORDERS MODULE: Stores and manages all important and relevant government orders essential for the smooth running of the institution. BIOMETRIC ATTENDANCE MODULE: Biometric system of attendance has been incorporated in our college to bring in more punctuality and discipline, keep a track of the exact incoming and outgoing timings of staff, and keeping a check on late coming staff or early going employees. Reports can be generated on daily basis, monthly basis, or yearly basis.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

The Institution is affiliated to the University of Calcutta and hence the Undergraduate (UG) syllabus is constituted and governed by the University itself. The central academic calendar made in accordance with the University is displayed in the college website before commencement of admission each year. Each department follows the curriculum designed as per University of Calcutta and at the very beginning of every academic year the department chalks out an academic calendar of its own incorporating its own special internal activities into it. Classes are taken following a central routine/ timetable set by the college. The head of each department conducts an academic planning meeting to plan & organize the schedule of lectures & distribute the syllabus among the faculty members. The faculty members are instructed by the HOD to complete the syllabus within a stipulated time. If for any reason a faculty fails to finish their syllabus within the stipulated time, he/she is being asked to arrange extra classes on that subject. As per the requirements, new books are ordered for central and departmental seminar libraries with the concern of subject-teachers & students. Seminar libraries are efficiently managed by the faculty members for effectively catering to all the Honours and General students. For the implementation of the curriculum, teachers have included teaching methods such as presentations, assignments, seminars, etc. for effective teaching. Timely meetings are conducted by the academic subcommittee and Examination committee and instructions are given for submission of assignments, conducting unit tests & internal assessments, and final year/semester university examinations. The institution collects online feedback on curriculum aspects from students and the feedback is conveyed to the departments. Those feedback data are analysed, then all suggestions are considered and placed before faculty members for improvement. The academic subcommittee works tirelessly to ensure academic excellence both at the students and faculty levels. A periodical analysis is made by that committee about the student's as well as faculty's performance in every semester and requirement for quality enrichment. Faculty members of all departments prepare study materials and upload them on the college website for helping the students. All the departments have a strong connection with their ex-students/alumni too and there is a strong methodology for regularly tracking student progression.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Communicative English	NA	15/07/2019	180	To build up the learners confidence in oral and interpersonal communication by reinforcing the basics of pronunciation specially focusing on job	To improve communicative proficiency of all the skills including reading, writing listening and speaking.

				interviews and group discussions.	
Computer Awareness and Application	NA	16/09/2019	90	To provide basic software oriented applications for students and non teaching staff.	Basic computational skill development and its applications.
Photography	NA	17/06/2019	270	To provide exposure for the students of Journalism Mass Com. in employment and entrepreneurship in related fields.	Development of basic photography skill.

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nil	NA	Nil
No file uploaded.		

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.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
Nil	NA	Nil

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	86	Nil

1.3 – Curriculum Enrichment

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
Value Education course	21/09/2019	12
Stress Management	23/12/2019	32
Clinical Biochemistry	23/12/2019	42
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
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BA	History	114
BA	Psychology	3
BA	Sociology	11
BSc	Geography	36
BSc	Botany	230
BSc	Physiology	22
BSc	Zoology	125
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	No
Parents	No

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?
(maximum 500 words)

Feedback Obtained
<p>NAAC makes it a tradition to mandatory collect feedback from all its stakeholders like students, teachers, parents, alumni, and employers. In our institution feedback is generally taken from faculty and students and marginally from the parents. The collection procedure of other feedback is in progress. The whole process (collection to analysis) is done by the IQAC. They collect and analyze the feedback and make suggestions to the appropriate bodies. OBJECTIVE: The objective of this exercise is to correctly gauge the impact of all the efforts taken by the institution at all levels on the various stakeholders. The institution wants the benefits to reach all the stakeholders. This feedback is collected online in online mode and trends are generated through statistical analysis. Based on the opinion of the stakeholders, further action is taken by the IQAC. COLLECTION PROCEDURE: College collects the feedback yearly from the students and faculty members on the curriculum administration, teaching-learning, and gender issues as well as on the overall improvement of the college. Feedback is collected in different ways. Parent-teachers meet is organized every semester to analyze the performance of the students and the feedbacks are collected from them during the meet by some departments. Student and faculty feedback are collected online. ANALYSIS: The data is compiled and analyzed by IQAC. It is to respective persons and departments for improvement in the respected areas. An Action Taken Report is generated after analysis of stakeholder's feedback. IQAC Meetings are held to discuss the suggestions and trends and feasibility of implementing the suggestions that came in the feedback. Accordingly, to make the curriculum more effective, add-on courses were planned to be conducted in the next year. Other activities were also planned for better results and holistic development of the institution.</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	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BA	HONOURS	525	11892	311
BSc	HONOURS	662	20775	393
BCom	HONOURS	183	9787	180
BA	GENERAL	500	7993	447
BSc	PURE GENERAL	183	812	70
BSc	BIO GENERAL	43	1077	24
BCom	GENERAL	340	4537	294
MSc	Computer Science	20	50	11
View File				

2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	1719	11	87	Nil	1

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
131	131	181	18	1	3
View File of ICT Tools and resources					
View File of E-resources and techniques used					

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

MENTORING: This is an individualized form of counselling and guidance activities. The main purpose is to address the needs of the students to have a friend, a counsellor and a confidante on the campus. The practice is aimed at fostering a better rapport between the students and the teachers at a personal level. Effective mentoring seeks to provide a presence by establishing a trustworthy relationship between Mentees and Mentor.

MENTOR: The Mentors role is to act on behalf of the college to support a young learner who is enrolled on a course of study. A mentor is a teacher acting both as a friend and a role model who supports and encourages a student in his/her academic and personal growth. The mentor guides a student in his /her academic pursuits and emotional and psychological development. Surendranath College has adopted and implemented a Mentoring System as a student support measure in September 2019 first as a trial for 1st semester students only. Each faculty member is the mentor of a group of 5 to 10 students of 1st semester allocated to him/ her by the Head of the Department. The mentor collects personal information from the mentees without touching sensitive issues or forcing any information out of them and then provides the needed counselling to the mentees. Critical issues are brought in the notice of the Head of the Department. The teacher meets the wards friendly outside class hours as well and guides them regarding their career options. **DOCUMENTATION:** A documented record of the mentoring process is maintained by the mentor teacher and the Head of the Department for reference purposes. **TYPES OF MENTORING:** **PROFESSIONAL GUIDANCE:** regarding professional goals, selection of career, higher

education. PROGRESSION OF CAREER: regarding self-employment opportunities, entrepreneurship development COURSE SPECIFIC: regarding attendance and performance in the present semester and overall performance in the previous semester. LAB-SPECIFIC: regarding Do's and Don'ts in the lab VALUE ADDITION: morale, honesty, responsibility, and integrity required for career growth PROCEDURE OF MENTORING: • Mentor meets the group of students at least twice a month. • Advises students regarding choice of elective subjects and different tutorial/review projects. • Continuously monitors, counsels, guides, and motivates the students in all academic matters. • Meets parents/guardians of the mentees if situation demands so e.g. academic irregularities, negative behavioural changes and interpersonal relations, detrimental activities etc. • Advises students in their career development. • Keeps contact with the students even after their graduation. • Intimates HOD and suggest if any administrative action is called for. • Maintains a detailed progress record of the student. • The HOD meets all the mentors of his/her department at least twice a month to review proper implementation of the system • Advises mentors wherever and whenever necessary. • Initiates administrative action on a student when necessary. • Keeps the head of the institute informed about the whole mentoring process. • The Academic Sub Committee of the institution discusses these mentoring related issues at least once in a semester during its meetings and revises the system accordingly.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3995	87	1:46

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
92	87	5	2	41

2.4.2 – Honours and recognition received by teachers (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
2019	Dr. Harisadhan Ghosh	Assistant Professor	Elected as a fellow of of Indian Chemical Society (F/8208)
2019	Dr. Apurba Biswas	Assistant Professor	Elected as a fellow of Indian Chemical Society (F/8207)
2019	Dr. Tushar Kanti Saha	Associate Professor	Selected as a member of Board of Studies, Dept. of Mathematics, University of Calcutta

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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

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

BA	08	Sem III	11/01/2020	06/03/2020
BCom	10	Sem III	12/02/2020	23/09/2020
BSc	09	Sem III	11/01/2020	06/03/2020
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

To maintain a continuous quality improvement module, the following five-stage evaluation process and reform have been initiated: A) CONTINUOUS STUDENTS' EVALUATION - Constantly monitoring attendance of each student, their responses in class, conduction of special remedial/tutorial classes outside the routine hours, periodically conducting class tests, analysis of each result and post-result mentoring of students based on their identified areas of weakness. B) STUDENTS' FEEDBACK - The institution offers a structured questionnaire consisting of an exhaustive list of points covering teaching, infrastructure, library, and the entire learning experience of the students during their tenure. This feedback system is conducted online for each student from the current academic year and ensures absolute confidentiality. The responses received through this feedback serve as a valuable source of information to measure the satisfaction level of the students. C) PARENT TEACHER MEETING/MONITORING - Parents are departmentally invited on as and when needed to discuss the progress of their wards. This is in addition to the regular monitoring of the student's progress by the Departments. D) ACADEMIC AUDIT - Regular academic audit (internal/external) is conducted by the IQAC through a structured questionnaire. The audit reports are reviewed and approved by the management. The new innovations or inputs received by the Departments from the Principal and IQAC are communicated to the students and faculty members by the Departmental Heads. E) STUDENT SATISFACTION SURVEY - SSS with a structured questionnaire as given by NAAC is done also randomly with students of any semester. The survey result is next analyzed critically and the institution sincerely works on the grey areas of the survey report.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The Academic calendar was prepared according to the guidelines issued by the University of Calcutta by the Academic Sub Committee and duly placed and approved in a Teachers' Council meeting. That Calendar is taken by all the departments as the base, and it is then duly modified by them incorporating all the departmental activities in it. Commencement of classes occurred on the 1st week of July 2019. Semester I and Semester III examinations and Internal Assessments were all held according to the calendar. The final semester examinations for Semesters I and Semester III were also held timely but the final semester examination for Semester II and Semester IV and Part III could not be held timely in 2020 because of the unprecedented Covid 19 pandemic and institution closure due to the inevitable lockdown. However, the results of all the internal examinations were published within two weeks of the last date of examination, as stated in the Academic Calendar. In the months of January-February, different departments organized international/national/state level seminars. In February various Student Seminars and invited talks (by renowned external teachers) were arranged. Students of most of the departments did Review/Tutorial Projects and published wall magazines to satisfy their creative pursuits. Additional special/remedial/tutorial classes were also taken by all the departments for the weaker students after completion of a major portion of the syllabus.

2.6 – Student Performance and Learning Outcomes

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)

<http://www.surendranathcollege.org/wp-content/uploads/2021/05/Academic-Outcome.pdf>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
10	BCom	Commerce	387	323	83.46
08	BA	Honours	306	297	97.06
09	BSc	Honours	1040	971	93.37
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<http://www.surendranathcollege.org/igac/feedback/student-satisfaction-survey-report-2019-20/>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Interdisciplinary Projects	1095	DST, Govt. Of WB	21.25	0
Minor Projects	730	NCPUL (MHRD), New Delhi	1.05	0
Major Projects	730	West Bengal State DST	5.95	2.23
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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
Departmental Student Seminar	Botany	01/10/2019
Departmental Wall Magazine Competition	Botany	16/07/2019
A two day International Seminar on Innovation, Expansion, Impacts and Challenges in Chemical and Biological Sciences	Chemistry	08/01/2020
Departmental Wall Magazine Competition	Chemistry	25/09/2020

Departmental Student Seminar	Chemistry	25/02/2020
Chemonation-4 Invited lectures (2)	Chemistry	27/02/2020
An invited lecture on Macbeth	English	13/03/2020
An invited lecture on Odeipus Trilogy: Exploring the Moral Economy of Epidemiology and Human Knowledge	English	17/07/2019
A discussion on Popular Culture and Nonsense Literature	English	17/07/2019
An awareness lecture cum workshop on New Education Policy 2019	IQAC	07/12/2019
A two day exhibition on Traditional Maritime Technology	IQAC	20/01/2020
A workshop on Selection, Handling, Precautions and Safety Issues of Glassware Usage	IQAC	22/07/2020
A faculty development program on Redefining Education and Management in Digital Era	IQAC	25/09/2019
An Extempore competition of students on Vigilance Awareness Week 2019	IQAC	31/10/2019
A faculty enrichment program on SageMath and R	Mathematics and IQAC	31/01/2020
A two day national conference on Science and Technology: Rural Development (Science Congress, Kolkata chapter)	IQAC with Physiology, Botany, Chemistry, Geography, Molecular Biology, Physics, Microbiology, Zoology, Sociology, Economics, Psychology, Mathematics, Statistics and Computer Science	20/01/2020
Departmental Wall Magazine Competition	Physics	11/09/2019
An invited talk on Phase Transitions Scaling and Universality	Physics	14/09/2019
Departmental Wall Magazine Competition	Political Science	30/09/2019
Workshop on Choice Based Credit System	Psychology	20/09/2019

Departmental Wall Magazine Competition	Psychology	20/09/2019
Departmental Wall Magazine Competition	Sanskrit	10/10/2019
An one day national level seminar on Metaphysics a Road to Scientific Speculation	Sanskrit and Philosophy with IQAC	29/11/2019
A one day state level seminar on Science, Religion and Magic, Sociology in everyday life, Caste mobility and Sanskritization	Sociology	04/03/2020
A State level awareness seminar on Gender sensitization	Sociology	28/11/2019
Departmental Wall Magazine Competition	Sociology	04/03/2020
A state level Alochona sabha on vidyasagar and Akshay kumar Dutta's theme of literature	Sociology and Bengali	27/02/2020
Study of Biodiversity in Chintamani Kar Bird Sanctuary	Zoology	09/08/2019
Departmental Wall Magazine Competition	Zoology	20/08/2019

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Multiple Innovations	Sankhanil Dey	Institute of scholars	11/03/2020	Research Excellence
Multiple Innovations	Sankhanil Dey	VD GOOD Professional	10/04/2020	Young Scientist
No file uploaded.				

3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
None	NA	NA	NA	NA	Nil
No file uploaded.					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
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NA	Nil
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3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Philosophy	1	0
National	Psychology	2	0
International	Chemistry	1	0.48
International	English	1	0
International	Mathematics	2	0
International	Physics	4	4.65
International	Psychology	3	0
International	Sanskrit	1	0
View File			

3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Chemistry	13
Economics	1
Hindi	5
Philosophy	1
Sanskrit	3
Sociology	2
Urdu	1
Zoology	5
Physiology	2
View File	

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Adsorption behaviour of bromophenol blue from the aqueous solution on Labeo bata fish scale, a bio-waste material	Abir Ghosh, Hari Shankar Biswas, Sushanta Debnath, Palani Sasikumar, Krishna Biswas, Uday Chand Ghosh	Indian Journal of Chemical Technology	2019	0	Department of Chemistry, Surendranath College	Nil

Influence of non-linear thermal radiation stagnation point flow of Casson nanofluid towards a cylindrical surface with non-uniform heat source/sink and magnetic field	Dulal Pal Netai Roy	Journal of Nanofluids	2019	0	Department of Mathematics, Surendranath College	Nil
Thermophoresis and Brownian motion effects on magneto-convective heat transfer of viscoelastic nanofluid over a stretching sheet with nonlinear thermal	Dulal Pal, Netai Roy, K. Vajravelu	International Journal of Ambient Energy	2019	0	Department of Mathematics, Surendranath College	Nil
Constraints on dark matter annihilation in dwarf spheroidal galaxies from low frequency radio observations	Arpan Kar, Sourav Mitra, Biswarup Mukhopadhyaya, Tirthankar Roy Choudhury, and Steven Tingay	Physical Review D	2019	6	Department of Physics, Surendranath College	4
Heavy dark matter particle annihilation in dwarf spheroidal galaxies: Radio	Arpan Kar, Sourav Mitra, Biswarup Mukhopadhyaya, and Tirthankar Roy	Physical Review D	2020	5	Department of Physics, Surendranath College	4

	signals at the SKA telescope	Choudhury					
	First study of reionization in tilted flat and untilted non-flat dynamical dark energy inflation models	Sourav Mitra, Chan-Gyung Park, Tirthankar Roy Choudhury, and Bharat Ratra	Monthly Notices of the Royal Astronomical Society	2019	12	Department of Physics, Surendranath College	12
	Tailoring light-matter interaction in WS2-gold nanoparticles hybrid systems	Tara Shankar Bhattacharya, Sreemanta Mitra, Shib Shankar Singha, Prasanna Kumar Mondal, and Achintya Singha	Physical Review B	2019	0	Department of Physics, Surendranath College	Nil
	Effects of gender identity on work-family and family-work conflict as perceived by IT professionals of Kolkata during lockdown phase due to COVID-19	Papri Manna Debashree sinha	International Journal of Science Research	2020	0	Department of Psychology, Surendranath College	Nil
	The effects of lockdown due to COVID-19 on post-traumatic	Debashree Sinha Papri Manna	IOSR Journal Of Humanities And Social Science	2020	0	Department of Psychology, Surendranath College	Nil

stress disorder and depression among college students of Kolkata, hotspots district of West Bengal, India						
Role of Self-Esteem and Biological gender upon Mental Health of Management Students (M.B.A) studying in Kolkata	Sujata Saha	Indian Journal of Psychology and Education	2020	0	Department of Psychology, Surendranath College	Nill
View File						

3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Adsorption behaviour of bromophenol blue from the aqueous solution on Labeo bata fish scale, a bio-waste material	Abir Ghosh, Hari Shankar Biswas, Sushanta Debnath, Palani Sasikumar, Krishna Biswas, Uday Chand Ghosh	Indian Journal of Chemical Technology	2019	Nill	Nill	Department of Chemistry, Surendranath College
Influence of non-linear thermal radiation stagnation point flow of Casson	Dulal Pal Netai Roy	Journal of Nanofluids	2019	Nill	Nill	Department of Mathematics, Surendranath College

anofluid towards a cylindrical surface with non-uniform heat source/sink and magnetic field						
Thermophoresis and Brownian motion effects on magneto-convective heat transfer of viscoelastic nanofluid over a stretching sheet with nonlinear thermal	Dulal Pal, Netai Roy, K. Vajravelu	International Journal of Ambient Energy	2019	Nill	Nill	Department of Mathematics, Surendranath College
Constraints on dark matter annihilation in dwarf spheroidal galaxies from low frequency radio observations	Arpan Kar, Sourav Mitra, Biswarup Mukhopadhyaya, Tirthankar Roy Choudhury, and Steven Tingay	Physical Review D	2019	Nill	4	Department of Physics, Surendranath College
Heavy dark matter particle annihilation in dwarf spheroidal galaxies: Radio signals at the SKA telescope	Arpan Kar, Sourav Mitra, Biswarup Mukhopadhyaya, and Tirthankar Roy Choudhury	Physical Review D	2020	Nill	4	Department of Physics, Surendranath College
First study of reionization in tilted	Sourav Mitra, Chan-Gyung Park, Tirthankar	Monthly Notices of the Royal Astronomical Society	2019	Nill	12	Department of Physics, Surendranath

	flat and untilted non-flat dynamical dark energy inflation models	Roy Choudhury, and Bharat Ratra					h College
	Tailoring light-matter interaction in WS2-gold nanoparticles hybrid systems	Tara Shankar Bhattacharya, Sreemanta Mitra, Shib Shankar Singha, Prasanna Kumar Mondal, and Achintya Singha	Physical Review B	2019	Nill	Nill	Department of Physics, Surendranath College
	Effects of gender identity on work-family and family-work conflict as perceived by IT professionals of Kolkata during lockdown phase due to COVID-19	Papri Manna Debashree sinha	International Journal of Science Research	2020	Nill	Nill	Department of Physics, Surendranath College
	The effects of lockdown due to COVID-19 on post-traumatic stress disorder and depression among college students of Kolkata,	Debashree Sinha Papri Manna	IOSR Journal Of Humanities And Social Science	2020	Nill	Nill	Department of Physics, Surendranath College

hotspots district of West Bengal, India						
Role of Self-Esteem and Biological gender upon Mental Health of Management Students (M.B.A) studying in Kolkata	Sujata Saha	Indian Journal of Psychology and Education	2020	Nill	Nill	Department of Physics, Surendranath College
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	53	134	33	23
Presented papers	32	34	5	Nill
Resource persons	1	5	2	2
View File				

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 participated in such activities	Number of students participated in such activities
Anti-pollution week, Green Rally (June 2019)	NCC Unit Surendranath College and 2 Bengal BN NCC	3	18
International day against drug abuse and illicit trafficking (26-06-2019)	NCC Unit Surendranath College and 2 Bengal BN NCC	4	18
International Day of Yoga (21-06-2019)	NCC Unit Surendranath College and 2 Bengal BN NCC	6	35
Online awareness campaign against CORONA VIRUS in pandemic situation	NSS, Unit-1, Surendranath College	8	153

(2020)			
NSS Day Celebration (24-09-2019)	NSS, Unit-1, Surendranath College	8	67
Republic Day Celebration (26-01-2020)	NSS, Unit-1 and NCC	6	10
Independence Day Celebration (15-08-2019)	NSS, Unit-1 and NCC	2	15
Internal College Campus Cleaning Program (10-09-2019)	NSS, Unit-1, Surendranath College	8	51
World Environment Day Celebration (05-06-2019)	NSS, Unit-1, Surendranath College	5	54
Pre Republic-Day Parade Selection Camp (2019)	Regional NSS	4	1
View File			

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	Number of students Benefited
Republic Day parade EBSB NATIONAL CAMP: Comprehensive all-round development training excellence	Awards and medals	W.B and Sikkim DTE	1
Republic Day parade EBSB NATIONAL CAMP: CATC - 19	Awards and medals	W.B and Sikkim DTE	1
Republic Day parade EBSB NATIONAL CAMP: LRDC-II, 19	Awards and medals	W.B and Sikkim DTE	1
Exceptional performance in NCC activities	Awards and medals	W.B and Sikkim DTE	1
State level dance competition	2nd prize	W.B and Sikkim DTE	1
CATC - 19	Best cadet award	W.B and Sikkim DTE	1
PRE-RDC-1	Excellence Certificate	W.B and Sikkim DTE	1
State level group dance competition,	1st prize	W.B and Sikkim DTE	1

2019			
P.M. RALLY, 2019	Honoured with medal and certificate	W.B and Sikkim DTE	1
Recruited in Indian Army	Rank of Solider Technical	Government of India	1
View File			

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 participated in such activities	Number of students participated in such activities
Awareness Programme	NCC Unit Surendranath College and 2 Bengal BN NCC	Anti-pollution week, Green Rally (June 2019)	1	18
Awareness Programme	NCC Unit Surendranath College and 2 Bengal BN NCC	International day against drug abuse and illicit trafficking (26-06-2019)	1	18
Observation Programme	NCC Unit Surendranath College and 2 Bengal BN NCC	International Day of Yoga (21-06-2019)	1	35
Awareness Programme	NSS, Unit-1, Surendranath College	Online awareness campaign against CORONA VIRUS in pandemic situation (2020)	8	153
Awareness Programme	NSS, Unit-1, Surendranath College	NSS Day Celebration (24-09-2019)	8	67
Observation Programme	NSS, Unit-1 and NCC	Republic Day Celebration (26-01-2020)	1	10
Observation Programme	NSS, Unit-1 and NCC	Independence Day Celebration (15-08-2019)	2	15
Swachh Bharat	NSS, Unit-1, Surendranath College	Internal College Campus Cleaning Program (10-09-2019)	8	51
Awareness Programme	NSS, Unit-1, Surendranath College	World Environment Day Celebration (05-06-2019)	5	54

Selection Camp	Regional NSS	Pre Republic-Day Parade Selection Camp (2019)	1	1
View File				

3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Research	Dr. Barnali Basu (Physiology) & Dr. Nilansu Das (Mol Bio)	WB-DST	365
Research	Dr. Sourav Mitra (Physics)	---	365
Research	Department of Journalism & Mass Communication, Surendranath College	---	53
Research	Department of Physiology, Surendranath College	---	365
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Sharing of Research facilities	Equipment Sharing	SSKM Hospital, Kolkata	01/06/2019	31/05/2020	Dr. Barnali Basu (Physiology) & Dr. Nilansu Das (Mol Bio)
Sharing of Research facilities	Equipment Sharing	IPGMER, Kolkata	01/06/2019	31/05/2020	Dr. Barnali Basu (Physiology) Dr. Nilansu Das (Mol Bio)
Sharing of Knowledge	Visiting Associateship Programme	The Inter-University Centre for Astronomy and Astrophysics	01/06/2019	31/05/2020	Dr. Sourav Mitra (Physics)

		(IUCAA), Post Bag 4, Ganeshkhind, Savitribai Phule Pune University Campus, Pune			
Sharing of Human Resource	Human Resource Knowledge Sharing	News Time, Sadhana News and Channel 10 TV Channels	01/06/2019	23/07/2019	Department of Journalism Mass Communi- cation, Surendranath College
Sharing of Human Resource	Human Resource Knowledge Sharing	Various web portals	01/06/2019	31/05/2020	Department of Journalism Mass Communi- cation, Surendranath College
Sharing of Research facilities	Equipment Sharing	Scientific Clinical Laboratory, Kolkata	01/06/2019	31/05/2020	Department of Physiology, Surendranath College
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Department of Mathematics, Surendranath College and St. Pauls Cathedral Mission College	24/09/2019	Effective faculty, student and resource exchange	150
Department of Economics, Surendranath College and Dinabandhu Mahavidyalaya	22/01/2020	Effective faculty, student and resource exchange	30
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
5000000	4643900

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Laboratories	Newly Added
Others	Newly Added
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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 patially)	Version	Year of automation
KOHA	Partially	18.05.00	2020

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	33835	5202327	722	394586	34557	5596913
Reference Books	764	Nill	23	Nill	787	Nill
e-Books	Nill	Nill	71	666185	71	666185
Journals	14	19800	Nill	Nill	14	19800
e-Journals	Nill	Nill	1	5959	1	5959
CD & Video	14	Nill	Nill	Nill	14	Nill
View File						

4.2.3 – 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. Dipasree Roychowdhury	CC-3	College Website	01/04/2020
Dr. Apurba Biswas	CC-1	College Website	01/04/2020
Dr. Asis Basu	CC-3	College Website	04/04/2020
Dr. Biva Samadder	CC-10	College Website	03/04/2020
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	189	86	20	20	0	21	53	50	11
Added	63	0	0	0	0	6	51	0	6
Total	252	86	20	20	0	27	104	50	17

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

50 MBPS/ GBPS

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
NA	Nil

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
500000	470778	1000000	914752

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)

<p>1) Smart classrooms are installed in the majority of the classrooms to facilitate ICT-enabled teaching. 2) Internet speed has been boosted to 50 Mbps through fiber optic cable technology-mediated Internet facility. 3) All departments, including Central Library and administration are networked and connected through LAN. 4) Admission, student database, and feedback system are all managed online. 5) Certificate course in computer proficiency for all students took place. ICT skill development program for staff members has also been initiated. 6) E-learning course materials and study materials have been developed in all departments to encourage higher use of ICT among teachers and students. 7) Separate email id for all the faculty members has been allocated for easy communication and circulation of notices. 8) WhatsApp groups have been created for official intimation of Notices and other information (faculty, student, non-teaching staff groups). 9) Facility for internet, intranet, and intercom services has been initiated for the academic and administrative office. 10) Single window facility to meet up student needs has been running successfully.</p> <p>http://www.surendranathcollege.org/wp-content/uploads/2021/05/Infrastructure-Utilization.pdf</p>
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CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Freeship	52	31600

Financial Support from Other Sources			
a) National	Minority, SC, ST	963	7350000
b) International	NA	Nill	0
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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 implemetation	Number of students enrolled	Agencies involved
Mentoring	01/09/2019	780	All Departments
Personal counselling	01/08/2019	220	All Departments
Remedial coaching	04/11/2019	1050	All Departments
E-filing of Income Tax Return	02/03/2020	330	Commerce Department
Certificate Course on Computer Awareness and Application	16/09/2019	21	Computer Science Department
Communicative English Course	15/07/2019	45	English Department
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Departmental Counselling and Career Counselling Cell	23	91	8	14
2020	Departmental Counselling and Career Counselling Cell	30	46	10	2
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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	Number of grievances redressed	Avg. number of days for grievance redressal
Nill	Nill	Nill

5.2 – Student Progression

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
La Martinere SEOMP Society	74	4	NA	Nil	Nil
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2020	35	B.Sc. (Hons.)	Microbiology	Calcutta University, Vidyasagar University, Barrackpore Rastraguru Surendranath College	M.Sc. in Microbiology Biotechnology
2020	52	B.Sc. (Hons.)	Geography	Calcutta University, Vidyasagar University, Aliha University, Netaji Open University	M.Sc. In GIS, Remote Sensing and Geography
View File					

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	Number of students selected/ qualifying
NET	7
GATE	7
Any Other	7
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
World Environment Day Celebration	College	60
Internal College Campus Cleaning Programme	College	261
International Day of Yoga Celebration	College	35

International day against drug abuse and illicit trafficking.	College	18
View File		

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/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Best Poster Award	National	Nill	1	SNC180215	Abhishek Das
2019	Best cadet	National	1	Nill	SNC20171 673	Debarati Maitra
View File						

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

<p>Student Union is there in the college to look after student matters under the guidance of the institute. An elected student from any year functions as the General Secretary. He is helped by several class representatives. Under the ambit of this forum, students are encouraged to be a part of the decision-making process supporting a democratic form of governance. One member each from this student council is included in the Governing Body and IQAC to represent the student body in college academic and administrative affairs and in various sub-committees and cells functioning in the college. The general activities of the Student Council include: 1) Facilitation of Student Admission Process 2) Looking After Student Related Matters and Report Their Grievances to The Higher Authority 3) Organising Annual Athletic Sports Together with The Sports Committee of The College 4) Organising Various Religious and Cultural Programmes Such as The Fresher's Welcome, College Social, Rabindra Jayanti, Teachers Day, Barshamangal, Agomoni, Eid, Saraswati Puja, Biswakarma Puja Etc. 5) Participation in Various Extension Activities of The College Such as Drives for Swachwota, Save Water, Safe Drive, Go Green, etc, and campaigns on Dengue Awareness and Prevention, Drug Abuse, Illicit Trafficking Etc. along with NSS And NCC of the College</p>
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5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

0

5.4.3 – Alumni contribution during the year (in Rupees) :

0

5.4.4 – Meetings/activities organized by Alumni Association :

0

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)

The Institute has a mechanism for ensuring decentralized governance through delegation of responsibilities and providing operational autonomy to its various units, departments, and sub committees. The Governing Body of the college delegates its decisions related to all the academic and operational matters to the Academic Sub Committee that is headed by the principal. The Academic Sub Committee formulates common working procedures and entrusts all the faculty members with implementation of those policies. For effective implementation and improvement of the Institute, different sub committees and cells are formed biyearly in alternate academic session. Faculty members form a part of different committees entrusted with a range of activities of the Institute. This enables them to conduct various programs to showcase their administrative skills beside their inherent teaching skill. Faculty members are also encouraged to develop leadership qualities by taking charge of various academic, co-curricular and extracurricular activities. They are authorized to conduct industrial tours, form liaisons with industry experts, conduct field excursions, and are also appointed as coordinator/convenor for organizing various seminars/workshops/conferences. Certain units within the Institute such as the library enjoy complete operational autonomy and they work according to the suggestions and advice of the relevant committee.

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

Yes

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):

Strategy Type	Details
Admission of Students	The students are admitted solely based on merit, and it is carried out completely in online mode to ensure transparency. An admission committee comprising of Faculty members supervise the entire admission process, in compliance with the regulations laid down by the Higher authorities. A notification is usually published on the website ahead of date of submission of online forms. The college take steps for wide publicity through notices, hoardings, banners, prospectus, website etc. for student admission. Merit Lists are published online, and admission done accordingly. The college strictly follows the reservation norms as laid by Government during this admission process. The process usually commences within one week of publication of Class 12 results by all major educational boards across India. Our demand ratio is remarkably high, almost ~1: 46 (in average) in 2020.

Industry Interaction / Collaboration

The college is under the process of initiating new contacts with industries for campus recruitment and other purposes. Students of the Science Departments are often taken for visits to various food, beverage, pharmaceutical and dairy industries for exposure to the needs and modus operandi of industries. Research collaborations with leading Research Institutes and organizations are operative involving the faculty members of the college. The Institute has active collaboration with different organisations for various social outreach activities. The faculty members are also engaged in various interdisciplinary scientific projects with various research institutes of repute. Students accompanied by faculty members intermittently visit industries to witness actual production plants in operation.

Human Resource Management

The human resource of the college is managed in a free and democratic manner. For the management of the students' affair, the college has a Students' Union whose elections are held annually as per university statute. The teachers' council and the non-teaching staff association look after the affairs of the teaching and nonteaching staff, respectively. Above all, there is a Governing Body that manages and develops the total human resource of the college. The principal keeps close contact with departments, office, library and assesses the manpower. If any shortage found, then the Governing Body is immediately informed, and necessary steps are taken for early recruitment. Sometimes it takes time to fill up the permanent posts owing to official formalities and Government policies. During that interim period, the posts are generally filled up on ad hoc basis so that the system is not disrupted. The college aims to make optimum use of the available human resource. Some departments request all pass-out students to enlist themselves as alumni with the department and convey their future studies and placements for record. For quality improvement of the teachers, the teachers are assessed by the students regularly through Student Feedback. This feedback is shared with

the teachers personally to help in the improvement process. Teachers are also encouraged to carry out research works, upgrade and update their knowledge by attending refresher course, orientation course, short term course etc. The teachers are also facilitated for their carrier progression. The college (affiliated) and its employees are indirectly under the administrative control of Dept. of Higher Education, Science Technology and Biotechnology, Govt. of West Bengal. There is a dedicated portal termed IFMS (Integrated Financial Management System) and PFMS for management of various service-related affairs of the employees. To cope up with efficient management of the increasing human resource, introduction of new facilities such as online submission of Yearly record book, IT declaration, Staff Notice, Payslip generation, Service book entry for employees is in the pipeline.

Library, ICT and Physical Infrastructure / Instrumentation

The Institutional Central Library is quite enriched and connected with the consortium of Indian libraries INFLIBNET and the database is intended to be managed fully by KOHA software soon. There is one dedicated internet browsing centre with 20 computers installed there. During 2018-19, the NLIST consortium was renewed for the next session, 14 hard copy journals were renewed, 3717 old books were weeded out, E-tendering process for purchase of books from RUSA grant completed. In total 722 textbooks and 71 e-books were purchased from RUSA grant and 23 reference books were added from donation. The Institute has around 252 computers with 18 ICT enabled classrooms and 1 smart classroom. There is a dedicated quite a big Auditorium with high fidelity acoustics having a capacity of 250. All the 40 laboratories of all the science-based departments are spacious and well furnished with high end modern equipment. The infrastructural facilities also include other amenities like a canteen, cluster hostels for boys and girls, separate common rooms for boys and girls and a spacious hall for indoor games.

Research and Development

There is a dedicated Grants and

Research Committee that informs and encourages faculty members for submission of proposals for various Research projects of UGC, DST, DBT etc. Activity of this Committee is overseen by the IQAC. The Committee also looks after the progress of PhD. dissertation works of the research scholars working in the college and submission of progress report and other related activities. The Research infrastructure of the college has been significantly augmented by the grant obtained from RUSA 2.0. A central facility rooftop laboratory has already been created for improving the research environment of the college and encouraging high end research in the institute. Faculty members are also constantly publishing their works in indexed and peer reviewed National and International Journals.

Examination and Evaluation

Examination system is now in a transition state from 3year (111) system to CBCS system and therefore both type of examination systems ran parallelly in the current academic year. There are dedicated Exam Committee for exam conduction and CBCS Committee for tabulation (constituted of college teachers) to ensure smooth conduction and timely uploading of marks in the University portal. Introduction of online upload of marks in the dedicated University portal has also greatly streamlined the process of publication of results. Details of examinations, like the months in which the examinations are to be conducted in a particular year are clearly mentioned in the academic calendar prepared by the Academic subcommittee of the college. This Academic Calendar is distributed among the Head of the Departments in an Academic Subcommittee meeting at the beginning of a session enabling them to make the faculty members and other stakeholders aware of the timeline of the process. This calendar is also given in the Prospectus and distributed among the students taking admission at the beginning of a session. Some departments conduct open book exam, surprise test, double evaluation, MCQ type exam etc. in addition to the pre-scheduled exams. Parent Teacher meetings are also arranged

departmentally as and when required, in which the faculty members interact with parents and exchange information.

Regular notification regarding examinations, by the college and respective departments via bulk SMS is practiced besides putting them in the college website. Students are also made aware of the evaluation processes by the faculty members during the class lectures. The University currently allots the answer scripts of the General papers to the affiliated colleges who in turn distribute the scripts to the respective faculty for evaluation and subsequently submit the award lists with the evaluated scripts to the University. The institute has adopted this change in the evaluation process of the scripts of General papers from 2013 onwards. However, the college follows its own evaluation process for the internal test examinations that are conducted just before the University examinations to help students perform better. However, in lockdown situation the whole examination and evaluation system changed and shifted completely to the online mode following the UGC guidelines from time to time.

Teaching and Learning

Keeping in mind the curriculum of the newly introduced CBCS syllabus, more streamlined techniques of teaching-learning has been introduced like delivery of lectures through ICT enabled tools and smart classes in addition to the conventional blackboard teaching. Few faculty members from science have also started E-learning courses like SWAYAM MOOCs on open end platforms. Other implemented practices are conduction of bimonthly class tests and one internal examination at the end of each semester by each department, encouraging students to register maximum attendance in classes as a percentage of total marks is borne by class attendance and strict maintenance of records and immediate reporting of irregularities to concerned parents are done. Arrangements for power point presentations, charts, graphs, videos are made in different departments. There are 18 smart classrooms in the college in various departments and they are optimally used. IQAC organizes informal workshops to promote the usage

of ICT. These workshops are internally organized especially for the faculty members where some experienced and trained faculty member train them. IQAC also motivates the faculty to implement new practices for regular curriculum delivery. These practices include group discussion, case studies, etc. To encourage scientific learning among students, students are often asked to submit written and oral assignments after literature survey. Students are encouraged in some departments to submit articles on their creative ideas to the departmental wall Magazine and e-magazine published from the college.

Some departments arrange for mock Parliament, one to one Interaction, classroom debate, quiz, and question answer sessions among their students. Chemistry department arranges Industry and research laboratory visit for their students for a better exposure and organizes lab quiz too. They also distribute handouts among the students before theoretical classes. Economics Dept. downloads relevant courses for NPTEL uploaded by IIT or other organisations and shares them with their students. Under NMEICT project the college has till date 19 broadband connections from BSNL (Domain id: webkolsugae.nme.in) commissioned on 12/5/2010 catering to the ICT needs of its stakeholders. The College Library also has subscribed to INFLIBNET and has become a registered user of NLIST consortium, an Initiative of Ministry of Human Resource Development (MHRD) under the NMEICT. Faculty members are constantly encouraged to attend FDPs to upgrade themselves. These programs also include orientation as well as refresher courses and short-term courses. Field study, Project Based dissertation work and educational excursion are undertaken by Geography, Commerce and Bio Science departments. In Botany department from botanical excursion, preserved live specimens and herbarium sheets are collected. RMOS Helios thermal paper-based spirometry are done by Physiology Department to give their students a first-hand experience in the field of respiratory physiology. Their students are also trained to make health cards for individuals and diet survey among

people of different communities. The Journalism Mass Communication Department frequently shows video documentary and films to their students and encourages them to participate in creating wall magazine, freelancing, internship in media houses, anchoring and gives project work on current events. The students of this department cover all the college programs and are also sent to work as reporters in different media houses to gather experience. Zoology department show their students large screen videos before practical classes in the laboratory. Chemistry department also shares such videos in their WhatsApp group with their students prior to practical classes.

Curriculum Development

The College is under the academic jurisdiction of the University of Calcutta therefore, curriculum development is finalised by the University only. Since the College follows the Syllabus and Curriculum of Calcutta University religiously, there is no scope of curriculum development. However, every department has its own academic calendar to run and complete that curriculum in their own way. Some teachers take part in the meeting of the Board of Studies sometimes as invitees. Few faculty members can actively participate in the University curriculum development as members of BOS of various subjects at both UG and PG level. They can contribute to addition or modification of the curriculum from time to time. To develop the skill and enable the students to face the global requirements successfully, the college has Courses on Skill Development like Communicative English using language lab software and Basic Training in Computer. College also offers Certificate courses on Computer Application and Photography with its tailor-made handcrafted curricula. Curricula of all these courses are solely developed by the Faculty Members of the college in consultation with the technical experts in the respective fields. Emphasis is also laid on increased participation and certification of the faculty members in FIPs and STCs to refine their teaching skills in various E-platforms.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	Installation of e-classrooms is done in all departments with 18 ICT-enabled classrooms and 1 smart classroom to date. Each department is provided with computers, laptops, printers, scanners, copiers along with an internet facility and Wi-Fi connection. The Central Library has an adequate number of books (55,96,913 textbooks, 787 reference books, 71 e-books, etc.), 14 renewed hard copy journals, access to internet enabled computers (25), a reading room, and a photocopying facility for students. College also has access to many other e-journals and e-books through NLIST.
Administration	Administrative work being completed at the principal's office and Students' section is facilitated by more than 15 terminals connected through a 50 MBPS leased line. WiFi facility is available throughout the premises of the Institute. All leave applications, statements of attendance (Biometric) and other service-related documents are handled and uploaded through the West Bengal Higher Education IFMS portal. A 24X7 CCTV surveillance system is operational at various points inside the campus including the Central Library, Students common room, Staff room, Auditorium, Corridors, and Principal's office.
Finance and Accounts	There is a dedicated college Account Software for maintaining all the accounts in the accounts department.
Student Admission and Support	Internet facility and Wi-Fi is available for the students too. Admission and Examination procedures are fully computerized. Arrangement for scholarships and free ships are also there.
Examination	An online software-managed portal for entry of marks has been initiated by the University of Calcutta since the commencement of the CBCS system. The computer-generated CSV files, with examination roll numbers of students, are accessed by the faculty members of every Department from the University of Calcutta website, through a dedicated login ID and password. Upon completion of the entry of marks, the CSV files

are uploaded and submitted online. The marks can be directly uploaded in real-time in the portal too. Marks after Scrutiny are also submitted online. Each department also archives hard copies of all the finally generated Statement of Marks for future records.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

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
2020	Adity Sarbajna	Science and Technology: Rural Development (organised by Indian Science Congress Association Kolkata Chapter Surendranath College)	NA	500
2020	Amit Saha	Science and Technology: Rural Development (organised by Indian Science Congress Association Kolkata Chapter Surendranath College)	NA	500
2020	Apurba Biswas	Science and Technology: Rural Development (organised by Indian Science Congress Association Kolkata Chapter Surendranath College)	NA	500
View File				

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	Title of the administrative training programme	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
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	organised for teaching staff	organised for non-teaching staff				
2019	Faculty Development Program on Redefining Education and Management in Digital Era in association with ICFAI Business School	NA	25/09/2019	25/09/2019	145	Nil
2020	A two day national conference on Science and Technology: Rural Development (Science Congress, Kolkata chapter) organised by ISCA in association with IQAC and 14 Departments of the College	NA	20/01/2020	21/01/2020	550	Nil
2019	Awareness Lecture on New Education Policy 2019	Awareness Lecture on New Education Policy 2019	07/12/2019	07/12/2019	220	30
2019	NA	Communicative English	15/07/2019	14/01/2020	Nil	10
View File						

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	Number of teachers who attended	From Date	To date	Duration
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programme				
Online Refresher Course in Chemistry for Higher Education (SWAYAM ARPIT)	1	01/09/2019	31/12/2019	120
Online One Week National FDP on "Moodle Learning Management System" organised by E-Resource Development Cell, Sanatan Dharma College, Ambala, Haryana, In collaboration with Spoken Tutorial, IIT Bombay-An Initiative of NMEICT, MHRD, Govt. of India.	1	22/05/2020	26/05/2020	5
UGC-Sponsored Orientation Programme organised by UGC-HRDC, Jadavpur University, Kolkata	2	03/02/2020	24/02/2020	21
UGC-Sponsored Refresher Course in "Environment Sustainability". The University of Burdwan, HRDC, Burdwan.	1	03/01/2020	16/01/2020	14
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
2	2	Nill	Nill

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
West Bengal Health	Sastha sathi, GLIC, PF,	Students' Health Home,

Scheme, GLIC, PF

Festival Advance

Free Studentship,
Government Scholarships,
Zero balance bank account
for students by having a
tie up with Punjab
National Bank (Sealdah
Branch)

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The institution conducts internal and external financial audits at regular interval. The accounts of the college are audited regularly as per the government rules. The college has a separate dedicated Committee for keeping records of expenditure from Government Development grants and those obtained from different extramural funding agencies like UGC, DBT, DST, DBT etc. Receipts including vouchers for payment made are checked thoroughly and tallied with the corresponding order copy and four sets of quotations (Tenders and quotations are duly called for in Newspapers/websites well at least one month before the commencement of purchase procedures). They are then subsequently audited by the Government enlisted auditor at the end of the financial year. In all possible cases, the E Tendering for procurements are done through the NIC portal and payments are processed through PFMS portal. After the financial audit, the report is then sent to the management (Governing Body) for review and then finally they are sent to the Government. The college also files income tax returns every year within the stipulated time.

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
NA	0	0
No file uploaded.		

6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Nil	Yes	Audit Committee
Administrative	No	Nil	Yes	Audit Committee

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

Organizing Parent-teacher meetings by respective Departments is an integral part of the feedback from Stakeholders. Parents are invited for discussion of their wards' performance in four specific areas. a) attendance b) responsiveness and interactions in classes c) performance in examinations d) knack/inclination towards the subject Along with those aspects, their views on the overall academic ambience of the Institution and infrastructural supports are also discussed. An online feedback system for the parents is yet to be initiated as per NAAC regulations and this is under process. This can be

accessed by the parents on the College website. Subsequently, an exhaustive report would be prepared by the Heads of Departments and sent to the IQAC for review. Based on the reports, IQAC would then conduct meetings with the Principal and Departmental Heads to adopt remedial measures. The Institute believes that maintaining a vibrant relationship between teachers and parents goes a long way in the development of mutual trust between an organization and its stakeholders.

6.5.3 – Development programmes for support staff (at least three)

- Certificate Courses in Communicative English, Computer Application and Photography (Free of Cost) for skill-building and grooming
- Value Education Course for imparting moral values
- An Awareness Seminar on Gender Sensitization for general consciousness
- A Seminar on Science, religion and Magic, sociology in everyday life, caste mobility, and Sanskritization for general interest
- A two-day exhibition on Traditional Maritime Technology for general knowledge
- A workshop on Selection, Handling, Precautions and Safety Issues of Glassware Usage by Borosil for hands on training
- An awareness lecture cum Workshop on New Education Policy 2019 for making them up to date about the future of education and laboratory

6.5.4 – Post Accreditation initiative(s) (mention at least three)

- Creation of one new central facility rooftop laboratory, one computational laboratory, one new meeting cum evaluation room, one new classroom, two storerooms, one sock checking room.
- Renovation of laboratories of different departments.
- Arranging for a cluster hostel in the locality.
- Reviving the Canteen facility.
- Mentoring a remote College at Sagar Island and an outskirts school Able Academy.
- Complete revamp of old electrical fittings and accessories and their replacement with power-efficient ones.
- Renovation of Ladies' washroom for teachers.
- Installation of a Sanitary Napkin Vending Machine in the girl students' common room.
- Increasing the number of garbage disposal facilities.
- Installation of ramp/rails and a lift in the Science Building for making Dibyagyan friendly campus.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	No
c) ISO certification	No
d) NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2020	Hand Sanitizer Preparation Drive (SPARSHA Brand)	20/03/2020	16/03/2020	23/12/2020	15
2020	Exhibition on Traditional Maritime Technology	13/01/2020	20/01/2020	20/01/2020	500
2020	State	13/01/2020	31/01/2020	31/01/2020	120

	level Seminar on SageMath and R				
2019	Workshop on Selection, Handling, Precautions and Safety Issues of Glassware Usage	08/08/2019	22/07/2019	22/07/2019	200
2019	Extempore Competition to observe Vigilance Awareness Week 2019 in association with Balmer Lawrie Co. Ltd.	12/12/2019	31/10/2019	31/10/2019	150
2019	Faculty Development Program on Redefining Education and Management in Digital Era in association with ICFAI Business School	08/08/2019	25/09/2019	25/09/2019	145
2020	Two Day National Seminar on Science and Technology: Rural Development [Science Congress, Kolkata Chapter]	12/12/2019	20/01/2020	21/01/2020	550
2020	A two day Internationa l Seminar on Innovation, Expansion, Impacts and Challenges in Chemical and	12/12/2019	08/01/2020	09/01/2020	500

	Biological Sciences in association with Department of Chemistry				
2019	Awareness Lecture on New Education Policy 2019	20/08/2019	07/12/2019	07/12/2019	250
2019	An one day national level seminar on Metaphysics a Road to Scientific Speculation organised by Department of Philosophy and Sanskrit in association with IQAC	20/08/2019	29/11/2019	29/11/2019	86
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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)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Awareness program on drug abuse and illicit trafficking	26/06/2019	26/06/2019	38	45
Timely refilling and maintainance of the newly installed Sanitary Napkin Vending Machine in the girl students' common room	01/06/2019	31/05/2020	20	Nill
A State level awareness seminar on	28/11/2019	28/11/2019	45	30

Gender
sensitization

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

1. Declaration of campus as a plastic-free zone and no-smoking zone 2. Replacement of all old light bulbs with more energy-efficient LED lights 3. Replacement of old fans, bulbs, etc., and others with power-efficient electrical accessories and star-rated air conditioners 4. Timely disposal of hazardous waste and cleaning of sewage by Kolkata Corporation 5. Regular pest control on the campus by Kolkata Corporation 6. Regular cleaning of overhead water tank 7. Installation of Aquaguards (purified drinking water source) in every department 8. Planning installation of solar panels in 4000 sq ft area of the rooftop by next year 9. Planning building of a Rainwater harvesting system is on the campus by next year

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Ramp/Rails	Yes	50
Provision for lift	Yes	150
Rest Rooms	Yes	150
Scribes for examination	Yes	50

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	Nill	1	10/09/2019	1	Swachh Bharat	College Campus Cleaning Program	59
2019	Nill	1	26/06/2019	1	International day against drug abuse and illicit trafficking	To generate awareness	19
2019	Nill	1	15/07/2019	1	Swachh Bharat Campaign, Clean City Green City	To clean the neighbourhood	19
2019	Nill	1	15/06/2019	1	World Environment Day	To creating	10

					t Day	awareness	
2019	Nill	1	26/08/2019	7	Safe Drive Save Life	To generate awareness	17
2020	Nill	1	04/03/2020	1	Tree Plantation Week	To generate awareness	7
2020	Nill	1	01/05/2020	31	An awareness training programme on COVID-19	To generate awareness	19
View File							

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
NA	Nill	NA

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Hand Sanitizer Preparation and Free of Cost Distribution Drive (SPARSHA Brand) in association with Department of Chemistry	16/03/2020	23/05/2020	20
Extempore Competition to observe Vigilance Awareness Week 2019 in association with Balmer Lawrie Co. Ltd.	31/10/2019	31/10/2019	32
Eco Club's activity to maintain the medicinal plant garden SUSRUT UDYAN, the bird house and the aquarium along with their regular campaigning in the college premises for greener and cleaner environment both verbally and using posters	01/06/2019	31/05/2020	45
Value Education Course	22/09/2019	20/03/2020	12

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

1. Declaration of campus as a plastic-free zone and no-smoking zone
2. Replacement of all old light bulbs with LED lights
3. Replacement of old fans, bulbs, and others with power-efficient electrical accessories and star-rated air conditioners
4. Timely disposal of hazardous waste and cleaning of sewage by Kolkata Corporation
5. Regular pest control on the campus by Kolkata Corporation
6. Regular cleaning of overhead water tank
7. Installation of Aquaguards (purified drinking water source) in each department
8. Planning installation of solar panels in 4000 sq ft area of the rooftop by next year
9. Planning building of a Rainwater harvesting system is on the campus by next year
10. Eco Club continuing with the maintenance of the medicinal plant garden named "SUSRUT UDYAN", the birdhouse, and the aquarium along with their regular campaigning in the college premises for a greener and cleaner environment both verbally and using posters

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1) TO PROMOTE OUTREACH ACTIVITY FOR GENERAL WELLBEING OF THE SOCIETY AS A WHOLE: The college has active NSS and NCC units. They conduct a lot of outreach activities, for example, visiting schools for creating science awareness, visiting old age homes, organizing awareness campaigns on different health-related issues locally, arranging health camps inside the college and outside too for general health check-ups, Thalassaemia detection camps, blood grouping, blood donation, etc. Promotion of health consciousness among slum and street children is also intended to by organizing different seminars on social work and hygiene consciousness and by distributing water bottles, stationeries, handkerchiefs, etc. among them from time to time. Donation and relief work to natural disaster-stricken areas is also done religiously. Distribution of old and new garments among poor people in the outskirts and in the nearby slum areas also takes place. They also have initiatives in fighting against pollution, working for green rallies, water conservation, waste management, etc. NCC and NSS regularly observe and celebrate Swachh Bharat, World Health Day, Earth Day, No Tobacco Day, Environment Day, Yoga Day, Drug Abuse, and Illicit Trafficking Day, etc. Organizing advanced leadership camps, speeches, debates, drawing competitions, etc. are also their routine job. In association with the Department of Chemistry, College launched a new brand of hand sanitizer SPARSHA just before the lockdown in time of its dire need and distributed it among security, bank, police, and media people free of cost. A Psychological Counselling Cell was also formed to help the students to beat the possible stress and tension during the lockdown. In the lockdown period NCC also formed a special task force team Corona Warriors who always tried to help all people in distress providing necessary information and physical help wherever and whenever possible. During the first Corona wave student union of the college initiated a free rationing system to help the local people and during the second wave also, they are now busy in delivering food at free of cost to the Covid affected local people. The college has already signed MoUs

with two colleges, one nearby and one in the outskirts for all possible knowledge and resource sharing, and currently mentoring a remote college at Sagar Island and an outskirt school. Initiatives are also there for adopting a remote village soon. In addition, five departments from science, humanities, and commerce are now recognized as Ph.D. awarding centers with well-equipped laboratories where external scholars can enroll themselves under the faculty members to carry out their doctoral dissertations and in three departments there are provisions for performing summer projects by students from other institutions/colleges/universities.

2) TO PROMOTE GENDER EQUITY AND INCLUSIVENESS IN EDUCATION IN A MULTILINGUAL PLATFORM: This is a coeducational Institute with students coming from various social backgrounds, among whom a vast number of students are first-generation learners having an almost 1:1 ratio of male and female students. To bring those underprivileged students from economically weaker backgrounds into mainstream education and motivate them to pursue higher education, the college carries out department specific orientation programs and student counseling sessions and offers a host of state government and other funding agency aided scholarships and free ships with dedicated committees constituted of teachers to look after these and holds Parent-Teacher meetings in every academic session as and when required. All the departments conduct remedial classes for weaker students, arrange invited talk by experts for nurturing scientific mind, encourage seminar presentation by students for improving communication skill, encourage publication of wall magazine by students for nurturing their creative skills, arrange industry/lab/research institute/relevant place visit of the students for the desired exposure, organize several International/National Seminar regularly for enrichment, encourage the participation of students in both external and internal scientific, cultural and social events for their holistic development. Running of well-maintained departmental seminar library with a considerable number of books to cater to both honours and general students. The placement Cell of the college also works sincerely to place them in suitable positions. The college offers four different language options namely English, Bengali, Urdu, and Sanskrit to its students to promote cultural exchange in a multilingual platform and observes and organizes different religious, social, and cultural programs within the college premises and outside to generate universal brother Hood.

3) EFFECTIVE INDIVIDUAL MENTORING OF STUDENTS: This individualized form of counseling and guidance activities has the main motto to address the needs of the students and to help them find as a friend, a counselor, and a confidante on the campus. This practice is aimed at fostering a better rapport between the students and the teachers at a personal level by establishing a trustworthy relationship between the Mentees and Mentor. Here the Mentors role is to act on behalf of the college to support a young learner who is enrolled on a course of study and guide in his/her academic pursuits and emotional cum psychological development. Furthermore, as the institution caters to a large percentage of underprivileged students, during natural calamities like Amphan, the mentoring system helped us to identify students in need and our college provided necessary funds for rebuilding and repairing homes of several needy students accordingly. The College has adopted and implemented this Mentoring System in September 2019 first as a trial for 1st semester Honours students only. Each faculty member is entrusted with a group of 5 to 10 students to collect firstly their personal information without touching sensitive issues or forcing them and then to provide them with the needed counseling. The mentor does meet his/her wards personally even outside class hours and guide them providing the following:

PROFESSIONAL GUIDANCE: Regarding professional goals, the mentors help effectively in the proper selection of career development and personal grooming. PERSONALISED GUIDANCE: Through regular interactions, mentors can differentiate and identify the slow learners and take special care of them to help them learn effectively. Similarly, advanced learners are also pointed out and they are encouraged to go through

advanced study materials to quench their thirst for knowledge, to participate in different inter-college competitions, to present papers in the state, national and international conferences, and thus channelizing their energy in the right direction. PERSONAL GROOMING: Overall grooming of the students, making them smart and competent enough to enter confidently into the job world.

COURSE SPECIFIC: Regarding attendance and performance in specific semester classes and analyzing overall performance in the previous semesters. LAB-SPECIFIC: Regarding different Do's and Don'ts to follow in the laboratories.

VALUE ADDITION: Regarding enforcing morale, honesty, responsibility, and integrity in the students that are also essential for career growth. OVERALL GROWTH: Helping them being educated in the true sense, in being a sensitized and responsible citizen. GLOBAL COMPETENCE: With the rapidly changing socio-economic situation, it is now important to make our stakeholders ready for the future. Through individual mentoring, mentors teach the mentees how to make the right choices, how to take responsibility of their own education and future and encourage them to learn through e-contents that are already available, like SWAYAM MOOCs.

4) VARIOUS CERTIFICATE AND VALUE-ADDED COURSES: The college runs three certificate courses, one value education course, and several value-added skill enhancement courses to cater to the need of the students to provide holistic education to develop skills, knowledge, and values as well for overall grooming of the students and make them readily acceptable to the modern-day world and promote entrepreneurship skills in them.

4) "DIVYANGAN" FRIENDLY GREEN CAMPUS: To make the campus "Divyangjan" friendly, the college already has ramps, rails, and a lift. However, there are plans to create more dedicated washrooms and ramps in the college for the old and differently-abled people. The college always tries to keep its campus environment clean and green. For this reason, the college has installed waste bin in all floors of the campus through its NSS Unit. The Green Campus is maintained through regular

campaigning and putting up posters. The college also promotes the plantation of trees in pots and put them inside the campus. The Campus is kept clean of natural wastes, e-wastes, and plastics through regular sweeping, wiping, and clearing of such wastes. Eco Club and NSS help in this regard. Potted plants are placed in the open space. An aquarium and a birdhouse are also maintained on the campus. Eco Club of the college plays an active role in maintaining all these things. They do also maintain a medicinal plant garden named SUSRUT UDYAN along with the birdhouse and the aquarium. Seminars are also arranged often by NCC and NSS to generate environmental awareness. Work for installation of rooftop solar panel and a proper rainwater harvesting system is under progress.

To generate environmental awareness among the students, the affiliating university has also introduced a 100 marks paper (AECC) on environmental science (EVS) in each undergraduate program in line with the UGC recommendation. Students are required to complete project work as a part of this paper. Departments choose relevant topics for the students that reflect current environmental problems of different regions and countries. This practice enables in turn bringing environmental awareness.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://www.surendranathcollege.org/profile/best-practices/>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

The college is a 137-year-old heritage institution producing a galaxy of alumni in its long run. Since its inception, the institute has been imparting high-quality, all-inclusive education (with no discrimination based on caste, creed, or economic status) to all sections of the society and thereby nurturing the

dreams of the underprivileged. Due to its convenient location (~400 meters away from Sealdah station) despite standing at the heart of the city of Kolkata, it demographically attracts many first-generation learners every year from various parts of West Bengal even from the remotest villages. It has students coming from other states too. It is an additional skill set of the faculty of the college to keep such students always motivated in their academic pursuits and help them to evolve their capabilities for the job market. Faculty members work with determination and patience to achieve this feat. Keeping in view the above objective, the Institution may not regularly get toppers across all the disciplines but is often successful in finding meritorious students from the non-creamy layer of the society and help them to carve out a stable academic career. The multilingual platform offered by the Institution also aids significantly in achieving this objective and learners can slowly adapt and get moulded into the academic ambiance of the campus. The college is above all committed to ushering in socio-economic transformation by providing inclusive innovative quality education of global standards to fully meet the expectations of its stakeholders.

- The college has an effective mentoring system prevailing in all its departments for providing differentiated personalized learning to the students of varying standards
- The college takes sincere initiatives so that students of all disciplines are introduced to the modern trends of their subject through invited seminar talks by different distinct scientists of global standard
- The college conducts tutorial and remedial classes, publishes wall magazines, college tabloid, encourages seminar presentation by students, arranges lab/industry visit, calls parent-teacher meets and all the departments work together for their student's holistic development
- With well-maintained updated central library, all the available e-books, all well-equipped departmental seminar libraries, the college caters to the academic need of its students
- The college takes sincere and timely initiative to recruit and retain professionally qualified and motivated faculty and staff and provide adequate infrastructure and equipment to them
- College provides sophisticated laboratories, other amenities, and some sports facilities.
- College also provides latest teaching gadgets and ICT tools to promote effective teaching-learning experience of its students
- College tries to impart holistic education to develop skills, knowledge, and values through a well-structured curriculum and all the certificate and value addition courses to make its students readily acceptable to the modern-day world and promote entrepreneurship skills
- College strives for inclusive education by providing scholarships and free ships, so that deserving students are not denied of any opportunity solely due to socio-economic constraints
- College has proactive NCC and NSS units who are active enough to imbibe strong social

Provide the weblink of the institution

<http://www.surendranathcollege.org/profile/institutional-distinctiveness/>

8.Future Plans of Actions for Next Academic Year

The following plan of action is proposed for our institution keeping in mind the need for the desired shift to an online/ blended mode of conduct from the next academic year.

1. To extend the mentoring system to students of all semesters both Honours and General to make the system all inclusive.
2. To purchase Zoom cloud meeting platform for one year to conduct different online events smoothly.
3. To encourage all the departments to organize different online Invited lectures, Webinars, Workshops, Student Seminars, Quizzes, Competitions, Cultural Events, etc., to publish E-Magazine and conduct outreach activities at departmental level.
4. To create a video/media centre in the college to help in creating tutorial videos and a room with video conferencing facility.
5. To create Tutorial Videos to teach effectively different theoretical and practical modules and upload them in the college YouTube channel.
6. To create Tutorial Videos for teachers and students facilitating smooth conduction of online classes

and reach out en masse by uploading them in the college YouTube channel. 7. To complete the installation of KOHA for full automation of the central library and update the E-library facility accordingly for giving maximum access to reference books, including expensive books by foreign authors. 8. To collaborate with Spoken Tutorial (IIT Bombay) for conducting different online faculty and student development certificate courses. 9. To improve the institutional research environment by starting high-end research in the newly created central facility laboratory. 10. To encourage all departments to start some Discipline Specific Certificate Courses and Value-Added Soft Skill Development Courses. 11. To sign MoUs with more educational institutions for effective faculty, student, and resource sharing. 12. To collaborate with some industry/laboratory for summer training/ internship of the interested students. 13. To boost up the placement of students by preferably appointing an experienced placement officer and signing MoUs with different industries and recruiting companies. 14. To start taking Feedback from alumni and parents as well. 15. To complete the long-pending renewal of the registration of the Alumni Association. 16. To prepare online question banks for all subjects. 17. To organize more seminars on social issues like dowry, gender harassment, gender equity, child labour, human trafficking, etc. for generating social consciousness. 18. To make the campus more "Divyangjan" friendly by creating more dedicated washrooms and ramps in addition to the existing facilities. 19. To cover the whole roof of the college building to create more classrooms and laboratories to fight the space crunch. 20. To Install Solar Panels on the rooftop of the college building and initiate a rainwater harvesting system ultimately leading to a green campus. 21. To coach final year students in online mode for cracking competitive entrance exams like SSC, JAM, etc. 22. To organise some online job-oriented training courses, to prepare interested students for various Service exams with minimal fees. 23. To form departmental journal clubs to nurture the reading habits and subject grasping capability of the students.