



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution		BENGAL SCHOOL OF TECHNOLOGY
Name of the head of the Institution		Dr.Pranabesh Chakraborty
Designation		Director
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		03326866064
Mobile no.		9163321091
Registered Email		bstpharmacy@hotmail.com
Alternate Email		pchakraborty@rediffmail.com
Address		DELHI ROAD SUGANDHA, CHINSURAH, HOOGHLY
City/Town		CHINSURAH
State/UT		West Bengal
Pincode		712102
2. Institutional Status		

Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	private
Name of the IQAC co-ordinator/Director	Dr. Jayanta Chattopadhyay
Phone no/Alternate Phone no.	03326866064
Mobile no.	9163321091
Registered Email	bstpharmacy@hotmail.com
Alternate Email	jc.chattopadhyay@yahoo.co.in

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://bengalschooloftechnology.org/naac_document
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://bengalschooloftechnology.org/academic_calendar

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	B	2.29	2017	30-Oct-2017	29-Oct-2022

6. Date of Establishment of IQAC

22-Apr-2016

7. Internal Quality Assurance System

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
Improvisation of innovative teaching learning process using	05-Mar-2020 1	12

ICT: A demo using free LMS (CLASSROOM)		
One day Workshop on How To Prepare Course Objectives as a unit of Outcome Based Education.	06-Dec-2019 1	20
Mitigation Of Environmental Difference When Moving From College To Industry by MS. PIYALI KUNDU	21-Sep-2019 1	314
Basics of intellectual property rights by DR. Amiya Kumar Kaliadaha, Senior Scientific Officer, Department of Science and Technology and Biotechnology, Govt. of West Bengal	14-Sep-2019 1	287
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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
NIL	NIL	NIL	2020 0	0
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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 :	3
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)	

1. Initiatives to take up NPTEL courses by students (MAR Activities) and faculties(FDP) 2. Started Sessions on Universal Human Values and Professional Ethics by the faculties trained at AICTE sponsored FDPSI programs. 3. Impregnating the idea of using innovative teaching learning tools , LMS system for better interactive sessions for the students. 4. Replaced manual feedback mechanism by the using of Google Forms.

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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
Initiate online feedback mechanism.	Google forms replacing the manual feedback process
Inccorporation of better teaching learning tools for better teaching and learning environment.	Mr. Kh. Hussan Reza presented the basics of LMS, with its usage as an interactive tool for teaching learning process. A indtroctory overview was presented on the use of "CLASSROOM" and " Google Classroom"
Intiates interactive sessions on Universal Human Values and Professional Etheics for UG fresher students as a part of orientation program	3 faculties took part in AICTE sponsored FDP-SI , a total 10 days program (3+7)days . Further few more were asked to take part , so that they may impart better interaction regardance to the intiative.
Ehancing student involvement as well as faculties to take up NPTEL courses	Students were found tobe actively participating due enforcement . Some of the faculties have taken NPTEL as course work.
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14. Whether AQAR was placed before statutory body ?

No

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

Yes

Date of Visit

11-Oct-2017

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 ?

No

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

As per the University curriculum, before initiation of the classes' senior faculty from each department have a careful conversation with the Principal in regards to the subject assignment as for the endorsed schedule and number of hours. After the subject distribution, schedule is set up with the assent of Principal and displayed in the faculty room notice boards. The equivalent is implied to the subject instructors through inward roundabout. After distribution of the time table, the concerned faculty is told to present the projected exercise plan for the individual subjects by preparing a proposed lesson plan. The proposed lesson plans are additionally circulated among understudies. Simultaneously the practical classes are conducted. The dates for slot examinations are decided by the Examination Cell Committee comprising of Director, Principal, Officer-in-Charge (Examination Cell) and some senior faculty. To enhance the effectiveness of teaching-learning, the faculty members are instructed to use interactive teaching skills i.e PPT presentations, live videos, models, etc. Faculties are instructed to intimate the source of material to the students. Subject course files are made accessible in the examination cell for the reference of educators. As per the University curriculum every student has to achieve prescribed points under Mandatory Additional Requirements for earning UG Degree. Interested students can opt for the Massive Open Online Courses (MOOCs) creating an excellent opportunity to acquire the necessary skill set for employability where the rare expertise of world famous experts from academics and industry are available. Customary viva-voce is directed in the practical classes and the marks are recorded. The marks for the internal practical are allotted on the basis of performance, involvement and viva. The marks for consolidated lab attendance are added towards the culmination of the semester. Prior to about two weeks of the slot examination, the faculties are notified to submit the question paper in the examination cell. The internal question paper assessment committee decides a mutual date for the evaluation of questions. Slot examinations are conducted adhering to the prescribed time slot by the University. The evaluation of slot answer sheets is done within one month from the end of slot exam and the marks are displayed in the notice board. If any student fails to appear the slot examination due to some valid health reasons, then he/she is permitted to appear for special slot examination with the permission of the Principal and head mentor. The examination cell makes all necessary arrangements for smooth conduction of practical and theory examinations as directed by the University. After the publication of end semester results, the semester wise results are analyzed and documented by the examination cell. Based on the University's notification towards Post Publication Scrutiny (PPS) or Post Publication Review (PPR), the interested students can apply for the same. The weaker category of students is identified and special classes are conducted for them. Student and teacher feedback is taken for the effective delivery of the course curriculum.

Due to the COVID-19 pandemic, the University has opted for alternative evaluation process for the Even

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
nil	nil	Nil	0	0	0

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nil	nil	Nil
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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
BPharm	Pharmacy	01/08/2019

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

	Certificate	Diploma Course
Number of Students	Nil	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
nil	Nil	Nil
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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
BPharm	Internship (Industrial / Hospital Training)	111
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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	Yes
Parents	Yes

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

Feedback Obtained
STUDENTS Standard feedback format questionnaire is collected from the students every semester in a course wise manner. The forms are analysed. All the comments written by the students in the feedback forms are communicated to the respective faculty members along with their feedback levels to know their

strengths and weaknesses and to enhance their teaching skills. Percentage of students participating: 80 - 100 • The feedback analysis is done manually. • All the parameters mentioned in the feedback form have been analysed based on scoring. • Ability of teaching with respect to each item and comprehensive ability of the teachers are analyzed. • A grading system of A (Excellent), B (Very Good) and C (Good) having corresponding weightage of 3, 2, and 1 respectively is followed for the feedback analysis of students. • Basis of reward / corrective measures, if any: Faculty members who get average feedback below 75 are identified. Also the faculty members who get average feedback of 75 or above 75 are appreciated at the faculty council meetings. For the session 2019-2020, 98 of the faculties scored above 75 and was appreciated for their performance. Remaining faculty member were identified with an average percentage below 75 and were intimated regarding their performance in the Faculty Council meeting and were further advised to improve their teaching skills through innovative teaching- learning process. A questionnaire has been designed for stake holders (students, faculty and parents) for their feedback on facilities which is taken annually. STAKE HOLDERS REMARKS (2019-2020)

IMPROVEMENT OF SEMINAR HALL AND CLASSROOMS BUILDING IMPROVEMENTS IN THE CAMPUS LIBRARY COMPUTER CANTEEN SPORTS Students Excellent Very Good Very Good Very Good Good Excellent Faculty Excellent Excellent Excellent Excellent Very Good Excellent Parents Excellent Excellent Very Good Excellent Very Good Excellent

REMARKS EXCELLENT 90-100 VERY GOOD 80-90 GOOD 60-80 AVERAGE 40-60 BELOW AVERAGE 20-40 • ALUMNI FEEDBACK: Likewise, a feedback form has also been prepared for the Alumni questioning about their job experiences, suggestion regarding improvements in the college and the values acquired by them from the college. Based on their suggestions, we have opted various measures. Seminars on Intellectual Property Rights and Pharma Professionals from industries often visit our college to give lectures and to make students more familiar to the industry environment. In the lockdown period due to COVID-19, a huge number of Webinars have been arranged from the college having speakers from both academic and industry background. EMPLOYER FEEDBACK: Feedbacks are taken from the Pharma and IT- industry representative regarding performance of our students about his/her knowledge, skills, sincerity and punctuality about the work. These are taken in terms of scale of good, best, poor, average. The feedbacks received regarding communication skill, personality development are overcome by arranging guest lecturers, training programs etc.

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
BPharm	PHARMACY GRADUATION	94	Nil	93
MPharm	PHARMACEUTICS	15	Nil	15
MPharm	PHARMACOLOGY	12	Nil	10
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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	Number of fulltime teachers available in the institution teaching only PG	Number of teachers teaching both UG and PG courses

			courses	courses	
2019	412	53	17	1	21

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
39	39	15	1	2	4
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)

A robust mentoring system is developed at Bengal School of Technology and involves a bi-monthly meeting between the faculty (Mentor) with the students (Mentee). All aspects of the academic and non-academic development of the students are noted and the improvement areas for each of the students are discussed. Number of faculty Mentors: 24 (B.Pharm) Approximate number of students per Mentor: 25 students Frequency of meeting: Twice in a month. (30 days) A faculty member (Mentor) is assigned for a group of 20 to 25 students to help them to clarify their doubts and improve their technical aspects of the courses. An information database of the students is maintained by each faculty mentor for specific details like: 1. Information about the student. 2. Previous Record of the student (including exams cleared) 3. Academic Performance in the college 4. Co-curricular activities The mentors meet the students periodically and review their performance in sessional examinations and other academics activities. Guidance is given to the individual student with respect to their academic problems. Student Guidance and Career Counseling Faculty members of the institute handling different courses interact, with students - 1. Clearing their entire concept related and typical examination question related doubts. 2. Offer all round guidance for the holistic development of the students. 3. Counseling for choice of career (academic, industry, government jobs, research). Impact of the System: 1. The mentoring system has facilitated all round development and helped students to choose career. 2. The mentoring system has also reduced the distance between the students and faculty members and helped faculty to understand the difficulties faced by the students. 3. The mentoring system has also helped to resolve doubts and deficiency of individual students on curriculum related topics. Mentor Report Form (MRF) Year: Roll No.: Issue: Academic (Teaching/Research) Non academic (Hostel/Food/Transport/Medical facility etc.) Action taken by faculty: How to solve? Sign. Date:

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
465	39	1:12

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
31	39	Nil	9	12

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
Nil	NIL	Nil	Nil
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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
BPharm	19	1	01/08/2019	17/03/2020
BPharm	19	2	13/01/2020	20/10/2020
BPharm	19	3	15/07/2019	17/03/2020
BPharm	19	4	13/01/2020	20/10/2020
BPharm	19	5	15/07/2019	17/03/2020
BPharm	19	6	13/01/2020	20/10/2020
BPharm	19	7	15/07/2019	17/03/2020
BPharm	19	8	13/01/2020	20/10/2020
MPharm	202,203	1	01/08/2019	17/03/2020
MPharm	202,203	2	13/01/2020	20/10/2020

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

To evaluate the performance of students, the CIE prescribed by the University is classified under four heads: time dependent evaluation and time independent evaluation. Two written examinations have been conducted each of 25 Marks. Time independent evaluation includes viva/ quiz/ presentation/ seminar/ GD. Based on the University notification, the college examination committee decided to conduct one CA as MCQ test which will help the students to prepare themselves for various competitive examinations. Others CAs planned were viva and two written examinations. All the CAs were conducted out of 25 marks.

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

As per the University academic calendar, the college examination committee prepares a planned college calendar. The tentative dates which are decided by the committee is notified to the PG UG students through the notice circulated and displayed in notice boards. As prescribed by the University the CA examinations were conducted during the time slot mentioned by the University. The Main practical examinations were conducted as per the proposed academic calendar and instructions from MAKAUT, WB. Total course curriculum for the academic year 2019-20 is divided in to two semesters (Odd Even Semester). CA1 examinations for the odd semester was held from 27th to 31st August 2019, CA2 examination was conducted on 27th September 2019, CA3 examination was conducted from 23rd September to 25th September 2019 and CA4 was conducted on 14th to 19th November 2019. The main practical examinations were held from 22nd November to 29th November 2019. The main semester Examinations were held during 9th December 2019 to 16th January 2020. In the same pattern the course curriculum for the even semester for the academic year 2019-20 was prepared. CA1 examination for the even semester was held on 13th February 2020. CA2 examination was conducted from 27th to 29th February 2020. Due to the COVID-19 pandemic, CA3 examination was conducted online from 26th to 29th February 2020. CA4 examination was also conducted through online from 15th to 17th June 2020 for 4th Year students 1st to 3rd Jul 2020 for remaining students. According to the University's directions the practical internal examinations were also

conducted in two phases: PCA1 and PCA2. The PCA1 was conducted online on 2nd 3rd May 2020 and PCA2 was conducted online on 6th 7th Jul 2020. Due to COVID-19 pandemic the University opted for alternative evaluation process from 12th to 17th October 2020.

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)

<https://bengalschooloftechnology.org/admin/uploads/curriculum/5.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
202	MPharm	PHARMACOLOGY	11	11	100
203	MPharm	PHARMACEUTICS	17	17	100
019	BPharm	PHARMACY GRADUATION	126	118	93.65

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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)

https://docs.google.com/forms/d/e/1FAIpQLSet1zIK_EfLt-r9dcMBNV8k8Pywb6Ly7_cOm-faUOB19eLNOA/viewform?usp=sf_link

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
Nill	00	NIL	0	0

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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
NIL	NIL	

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
NIL	NIL	NIL	Nill	Nill

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
NIL	NIL	NIL	NIL	NIL	Nil
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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
nil	Nil

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	PHARMACY	14	1.37
International	PHARMACY	5	2.4
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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
NIL	Nil
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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
Smart and intelligent stimuli responsive materials: An innovative step in drug delivery system	Kazi Asraf Ali	Current Biochemical Engineering	2019	0	BENGAL SCHOOL OF TECHNOLOGY	Nil
Formulation and characterization of papaya leaf gel	DrAnanda moyRudra	GSC Biological and Pharmaceutical Sciences	2020	0	BENGAL SCHOOL OF TECHNOLOGY	Nil

FORMULATION AND EVALUATION OF ENTERIC COATED ELEMENTARY OSMOTIC PUMP (ECEOP) TABLETS OF DICLOFENAC SODIUM	KHANDEKAR HUSSAN REZA	International Journal of Pharmaceutical Sciences and Research	2020	84	BENGAL SCHOOL OF TECHNOLOGY	Nil
Effect of crude glandular extract of Telescopium telescopium on fertility in rats following post coital intramuscular administration	MRS. SUDIPTA ROY	Global Journal of Society, Science and Technology	2019	11	BENGAL SCHOOL OF TECHNOLOGY	Nil
COMPARATIVE ANTI-MICROBIAL STUDY OF ALCOHOLIC EXTRACT OF HIBISCUS ROSA-SINENSIS WITH MARKETED FORMULATION	DISHARI DUTTA	World Journal of Pharmaceutical Research	2020	2	BENGAL SCHOOL OF TECHNOLOGY	Nil
FORMULATION, DEVELOPMENT AND OPTIMIZATION OF ALPRAZOLAM 0.5 MG SUSTAINED RELEASE TABLET WITH 12 HOURS RELEASE PROFILE	Mr. Ayan Dutta	INTERNATIONAL JOURNAL OF PHARMACEUTICAL, CHEMICAL AND BIOLOGICAL SCIENCES	2020	2	BENGAL SCHOOL OF TECHNOLOGY	Nil
A SHORT REVIEW IN	Gouranga Sundar Roy	WORLD JOURNAL OF	2020	0	BENGAL SCHOOL OF	Nil

TAU PROTEIN SIGNALING IN DIABETES		PHARMACY AND PHARMA CEUTICAL SCIENCES			TECHNOLOGY	
In-Vitro Antimicrob ial Activity of Parthen iumhystero porus Comparison with Ofloxacin	Mr.Ayon Dutta	Internat ional Journal of Pharmaceut ical Sciences Review and Research (May to June 2020)	2020	2	BENGAL SCHOOL OF TECHNOLOGY	Nill
Toxicolo gical Evaluation and Brine Shrimp Lethality Assay of the Extracts of OlaxPsi ttacorum.	MR. RAJA MAJUMDER	A. Advances in Traditi onal Medicines	2019	6	BENGAL SCHOOL OF TECHNOLOGY	Nill
Evaluation of anti-in flammatory , analgesic and TNF-? inhibition (upon RAW 264.7 cell line) followed by selection of extract (leaf and stem) with respect to potency to introduce anti-oral- ulcer model obtained from Olaxp sittacorum (Lam.) Vahl in additi	MR. RAJA MAJUMDER	Journal of Ethnoph armacology	2019	6	BENGAL SCHOOL OF TECHNOLOGY	Nill

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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
FORMULATION, DEVELOPMENT AND OPTIMIZATION OF ALPRAZOLAM 0.5 MG SUSTAINED RELEASE TABLET WITH 12 HOURS RELEASE PROFILE	Mr. Ayon Dutta	INTERNATIONAL JOURNAL OF PHARMACEUTICAL, CHEMICAL AND BIOLOGICAL SCIENCES	2020	3	Nil	BENGAL SCHOOL OF TECHNOLOGY
COMPARATIVE ANTI-MICROBIAL STUDY OF ALCOHOLIC EXTRACT OF HIBISCUS ROSA-SINENSIS WITH MARKETED FORMULATION	DISHARI DUTTA	World Journal of Pharmaceutical Research	2020	Nil	Nil	BENGAL SCHOOL OF TECHNOLOGY
Effect of crude glandular extract of Telescopium telescopium on fertility in rats following post coital intramuscular administration	MRS. SUDIPTA ROY	Global Journal of Society, Science and Technology	2019	Nil	Nil	BENGAL SCHOOL OF TECHNOLOGY
FORMULATION AND EVALUATION OF ENTERIC COATED ELEMENTARY OSMOTIC PUMP (ECEOP)	KHANDEKAR HUSSAN REZA	International Journal of Pharmaceutical Sciences and Research	2020	4	Nil	BENGAL SCHOOL OF TECHNOLOGY

TABLETS OF DICLOFENAC SODIUM						
Formulation and characterization of papaya leaf gel	DrAnanda moyRudra	GSC Biological and Pharmaceutical Sciences	2020	Nill	Nill	BENGAL SCHOOL OF TECHNOLOGY
Smart and intelligent stimuli responsive materials: An innovative step in drug delivery system	Kazi Asraf Ali	Current Biochemical Engineering	2019	Nill	Nill	BENGAL SCHOOL OF TECHNOLOGY

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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Nill	Nill	Nill	Nill	Nill
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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
Maintenance of Medicinal Plant Garden	Bengal School of Technology	5	120
Tree Plantation	Bengal School of Technology	5	40
Health Check up	Apollo Telemedicine Networking Foundation	25	400
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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
NIL	NIL	NIL	Nill
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Swachh Bharat	Bengal School of Technology	Cleaning of roads and garden of the college premises	5	250
Celebration of International Women's Day	Women's Cell- Bengal School of Technology	Personal Hygeine and Family Planning- Health Awareness Camp	10	350
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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
NIL	0	NIL	0
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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
Post Graduate Research Work	Formulation And Characterization of Honey-Ghee paste embedded Alginate hydrogels for wound healing	Indian Institute of Technology, Kharagpur	01/08/2019	31/05/2020	ANISHA CHAKRABORTY
Post Graduate Research Work	Formulation And In Vitro Evaluation Of Betahistine Dihydrochloride For Meniere's Disease	Alkem Health Science, Sikkim	01/08/2019	31/05/2020	ANASUYA MANDAL

Post Graduate Research Work	Effect of Honey-Ghee Combinatorial Intervention in tissue repair	Indian Institute of Technology, Kharagpur	01/08/2019	31/05/2020	NIKHIL KUMAR
Post Graduate Research Work	Evaluation of Adverse Drug Reactions of Anti-tubercular drugs in tertiary care hospital, Kolkata, West Bengal: An observational Study	R.G.Kar Medical College and Hospital, Kolkata	01/08/2019	31/05/2020	JOLLY MONDAL
Post Graduate Research Work	The Adverse Effect of Anti-tubercular drugs in different groups of population: A Randomized Study	Belur- ESI Hospital	01/08/2019	31/05/2020	PUJA CHALAK
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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
United Laboratories India PVT Limited, 29 Manna Para Road, Baranagar, Kolkata-90, West Bengal	25/03/2019	Student's training and Placement, Research and Development, Guest lectures, Joint scientific paper publication	Nil
Mendine Pharmaceutical PVT LTD, 36A B Alipore Road, Kolkata-27, West Bengal	03/04/2019	Student's training and Placement, Research and Development, Guest lectures, Joint scientific paper publication	5
Bethel Pharmaceuticals, 3/1, Basudevpur	24/04/2019	Student's training and Placement, Research	Nil

Road, Kolkata-61, West Bengal		and Development, Guest lectures, Joint scientific paper publication	
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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
2800000	2427512

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Newly Added
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Classrooms with Wi-Fi OR LAN	Existing
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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 partially)	Version	Year of automation
LIBSYS	Partially	WINDOWS /LSEASE	2017

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	6862	3218361	1196	484584	8058	3702945
Reference Books	1132	Nil	409	Nil	1541	Nil
e-Books	33040	13570	Nil	Nil	33040	13570
Journals	25	66010	20	52400	45	118410
Digital Database	1	13570	Nil	Nil	1	13570
Library Automation	1	118000	Nil	Nil	1	118000

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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
NIL	NIL	NIL	Nil
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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	120	55	51	55	55	7	28	32	31
Added	2	0	0	0	0	0	1	0	0
Total	122	55	51	55	55	7	29	32	31

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

30 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
Nil	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
200000	114460	425000	357854

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)

Laboratories • The laboratory is the heart and soul of any pharmaceutical institute. Much emphasize has therefore been given to build up most modern laboratories for the use of students. • All laboratories are well ventilated, spacious, and equipped with gas, water, electricity and high quality chemicals, instruments and equipment with individual unique ID. • All the machines are provided with a well defined SOPs upgraded depending upon the requirements. • Dedicated laboratories for defined practical classes conducted as per Syllabus of the affiliated university (Mualana Abul Kalam Azad University of Technology). • Good documentation practice is maintained in individual labs including, Job Cards, Chemical Registers, Instrument Registers, Movement Registers. • The Laboratory manuals are maintained for the practical conducted in specific laboratory. Central Instrumentation Facility (CIF) Central Instrumentation Facility The Central Instrumentation Facility of the

Institution houses the sophisticated and high-valued equipment under air-conditioned setup. The different instruments available at the CIF are • High Performance Liquid Chromatography (HPLC) with Computerised analysis facility from world renowned Agilent Technologies Ltd Double beam UV-Vis Spectrophotometer (UV 1800) from the Shimadzu Corporation and LAB INDIA. • Ultra high speed Cooling Microcentrifuge • Electrophoresis Apparatus with power conditioner • Digital Analytical Balances • Fourier Transformed Infra-Red Spectroscope with ATR (FTIR-ATR) • Bio analyzer and binocular microscope Class Room • The class rooms are well-lit, airy and spacious with comfortable sitting arrangements. • The special smart rooms are equipped with audio-visual teaching aids to make the teaching-learning process more interesting and to create a visual impact in the minds of the students. • The students are encouraged to interact with the teachers inside of the classrooms and outside of the classrooms to enjoy the benefits to a two-way communication. • Separate language lab facility for upgrading students in their communication skills. Library • The library provides both printed and electronic sources of information particularly the current affairs related to global economy and technological inventions to the students as well as the faculty members. • The institute has a voluminous Library with latest books, periodicals, journals covering all aspects of Pharmacy and resourced with a wide collection of volumes on each subjects upgraded at a regular basis. • The Research Section is rich and provides access to wide range of database used in project works and assignments. • Students can also avail reprographic services from the library. Library is automated Integrated with partial automation. • Library Management System (ILMS), namely Libsys, is under operation. The Library is also provided with digital OPAC system for easy accesibililty of books by the student. IT Facilities BST has made a huge investment in setting up and maintaining an excellent computer center with new age technology to integrate the use of IT. The Computer Center offers an excellent infrastructure for imparting software and hardware skills to the students using latest software tools and technologies. The institute has sophisticated, state-of-the-art computer lab, a fully networked environment, high performance servers, the latest Pentium based machines, broadband internet access facilities, all the

<http://bengalschooloftechnology.org/>

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	NIL	0	0
Financial Support from Other Sources			
a) National	1. Freeship Scheme-WB 2.Swami Vivekananda Scholarship 3. GPAT Scholarship 4. Aikashree Scholarship (MCM)	82	4081200
b) International	NIL	Nil	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 implementation	Number of students enrolled	Agencies involved
Student Induction on Universal Human Values and Professional Ethics	31/07/2019	92	Bengal School of Technology (Trained faculty members from, AICTE Sponsored FDP-SI)
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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
2020	GPAT TUTORIAL CLASSES	8	127	4	126
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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
Nil	Nil	Nil

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
Macleods. ASG Biochem Pvt.Ltd. STP Pharmaceutical Pvt. Ltd (STP Franco.) Wipro. Cognizant. Wockhardt Limited. Abbott. Nouveau Medicament (P) ltd. Zydus Healthcare Ltd. Narayana Health	74	57	Tata Consultancy Service Troikaa Pharmaceutical Limited Alembic Apollo Hospital Covance CliniMed Lifesciences Pvt. Ltd.	7	7

Hospital. AR Industrial Management Services PVT.LTD (1 MG) Optival					
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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	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	36	Pharmaceut ical Technology	B.PHARM	Bengal School of Technology, Central University of Punjab,Guru Nanak Institute of Pharmaceutic al Science T echnology,Hi malayan Institute Of Pharmacy, Narsee Monjee Institute of Management, ISF Moga,SBS University,C IPT, IIT KHARAGPUR	M. PHARM, PH.D

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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
GATE	4

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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
ORIENTATION PROGRAMME	BENGAL SCHOOL OF TECHNOLOGY	105
FRESHERS (GENESIS)	BENGAL SCHOOL OF TECHNOLOGY	530
INDEPENDENCE DAY CELEBRATION	BENGAL SCHOOL OF TECHNOLOGY	95
COLLEGE FOUNDATION DAY	BENGAL SCHOOL OF	450

TECHNOLOGY		
SIT DRAW COMPETITION	BENGAL SCHOOL OF TECHNOLOGY	120
VIGILANCE AWARENESS WEEK- INTEGRITY, A WAY OF LIFE (EXTEMPORE COMPETITION)	BENGAL SCHOOL OF TECHNOLOGY	250
TEACHER'S DAY CELEBRATION	BENGAL SCHOOL OF TECHNOLOGY	335
CELEBRATION OF INDIAN CONSTITUTION DAY	BENGAL SCHOOL OF TECHNOLOGY	50
REPUBLIC DAY CELEBRATION	BENGAL SCHOOL OF TECHNOLOGY	95
SPORTS	BENGAL SCHOOL OF TECHNOLOGY	340
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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	Inter-College Recitation Competition, SKFGI, Mankundu, Hooghly(3rd Position)	National	Nil	1	19301918108	Amisha Das
2019	Inter-College Debate Competition, Dr. B.C.Roy College of Pharmacy and Allied Health Sciences, Durgapur.P	National	Nil	1	19301917022	Souvik Kundu,
2019	Inter-College Debate Competition, Dr. B.C.Roy College of	National	Nil	1	19301917011	Swadhin Laha

	Pharmacy and Allied Health Sciences, Durgapur. Participation					
2019	Inter-College Debate Competition, Dr. B.C.Roy College of Pharmacy and Allied Health Sciences, Durgapur. Participation	National	Nil	1	19301919022	Monorama Lo
2019	Inter-College Debate Competition, Dr. B.C.Roy College of Pharmacy and Allied Health Sciences, Durgapur. PARTICIPATION	National	Nil	1	19320219002	Rajarshee Saha
2019	Inter-College Debate Competition, Dr. B.C.Roy College of Pharmacy and Allied Health Sciences, Durgapur. PARTICIPATION	National	Nil	1	19320219008	Shuvam Sar
2019	Inter-College Debate Competition, Dr. B.C.Roy College of	National	Nil	1	19301919006	Soumen Maity

Pharmacy and Allied Health Sciences, Durgapur. PARTICIPAT ION					
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Students of Bengal School of Technology has involvement in various committees like- • Cultural and Sports Committee, • Women's Cell, • Women's Grievance Cell, • Anti-ragging committee and Squad • Magazine and Publication Committee • Entrepreneurship Development Cell • Magazine and Publication Committee • SC/ST Committee • Boy's Hostel Committee • Girl's Hostel Committee • Food Committee Students are present in the meetings of the respective committees and are involved in the day to day activities of the committees. They also give suggestions on the working of the committee and thus a good relationship has established between the teaching, non-teaching and the students.

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 :

3

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)

Decentralization process is practiced in the college by involving teaching and non-teaching staff in execution of events such as seminars, examination, sports and fest which are organized by the members of related committees. Each committee meets on regular basis to discuss about the working of the institute. Principal is the academic head and he calls for faculty council meeting to discuss about academic and related activities. Classes are monitored regularly by the Principal and Programme committee for smooth completion of syllabus. Feedback system is prevalent at college. The examinations are carried out periodically throughout the year for which there is separate examination department/cell. The management authorities regularly undertake the review of working of the college. The participation of students in Sports and NSS are encouraged in order to attain overall development of students. The cultural committee promote to the students to actively participate in drama competitions and debating oratory competitions outside the college. Thus the college works with aim of attaining the academic excellence through quality education and

inculcating all possible soft skills in the personality of the students. IQAC cell functions as a way to improve the overall quality of students by quality up gradation of working of the institute.

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

Partial

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
Curriculum Development	Syllabuses of the courses taught as provided by the university and Pharmacy Council of India. Faculties are requested to plan their classes in advance with relation to the academic calendar. Faculties ensure high-quality educational services which develop students' core academic skills, critical-thinking, problem-solving, collaboration, communication, and technology skills. Develop instructional delivery models that are broad and flexible to accommodate diverse learners. Continuous assessment is practiced. Practical classes are related to the theoretical syllabus and thus, help students to have deep knowledge about the subject.
Teaching and Learning	Students are encouraged to do higher studies and take exams like GPAT, GRE and ILETS. During lockdown period, YouTube video links along with few self made videos, were provided by the faculties for better understanding of the subject. Virtual classes and continuous evaluation were held during March- July months. Student elective subject mapping will be in place once the system for e-governance will take place. Students come from various backgrounds and confront English speaking and writing difficulty in their starting years itself. Communication classes are arranged for such difficulties. Well-developed language laboratory and qualified faculty groom such students. Faculties ensure smooth completion of classes by preparing lesson plan in advance according to the academic calendar.
Examination and Evaluation	The institution is affiliated to MAKAUT, WB. The college follows the examination guidelines framed by the University. The college plans for continuous assessments (CAs) after discussion in examination committee of

	<p>the college. The date for the CAs is notified to all faculty students. Four CAs including minimum 2 written tests, viva/ quiz/ presentation/ seminar/ GD is to be conducted in a semester.</p> <p>Question Papers are framed based on Blooms Taxonomy. After the evaluation, the marks are displayed in the college notice board. The marks for the Internal practical examination are based on practical record writing, day to day performance and viva. All the marks are entered in the university online portal before the prescribed cutoff date</p>
Research and Development	<p>Peer reviewed Journals are subscribed each year to help students and faculties to excel in research activity. The well- developed inventory of chemicals help in smooth conduct of experiments. Faculties and students are encouraged to use instruments especially Sophisticated instruments. Faculties performing PhD work often use all these available facilities. Collaborative research is encouraged.</p>
Library, ICT and Physical Infrastructure / Instrumentation	<p>CDs of text books are available and e-books, e- journal are subscribed. Campus is WI-FI enabled. Improvement of storage area for toxic chemical is improvised at the central store of the institute. The playground has been extended to enhance sports activity at college. Different library soft-wares are also used for maintenance of books.</p>
Human Resource Management	<p>Quality faculties are recruited through interview process. The recruitment board is constituted as per recommendation of the authorities. Advertisement for recruitment is published. Appraisal System is in place. Maternity leave is provided to female faculties. Application of leave is accepted with proper replacement of duty and the form is duly signed by the leaver</p>
Industry Interaction / Collaboration	<p>Experts from Industry visit the institute from time to time and conduct seminar. Industrial experts enlighten the students. Memorandum Of Understanding with companies are used to establish relationship. Successful Entrepreneurs visit the institute to create awareness. Students visit industry according to the company and student's available time.</p>

Admission of Students	<p>E- Counseling Cell is made available to students qualifying JEE examination.</p> <p>Admission cell visits different educational fair and motivate students to study Pharmacy and develop the profession. Tuition fee Weaver scheme is in place.</p>
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6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	<p>At the meeting of the Governing Body of the Institute the detailed Annual Budget is placed by the Principal and each items mentioned therein is discussed in details .Thus, the Planning and Development activities of the Institute initiates from the GB meeting wherein the Annual budget is placed for discussion and approval .</p> <p>While approving the budget the Director/ Principal is directed to keep a close vigil on deployment of funds on each head and submit periodical reports at the to the subsequent GB Meetings for information of the members. In the month of October / November of every year , the GB members at their meeting revisit the progress and give their consent to the deviation if any, by way of approving a revised budget. However, following the induction of the web based ERP system for other areas of operations of the Institute it has been decided to extend the e-governance mechanism to the functions of budgetary control as well.</p>
Administration	<p>The Institute has inducted a system of E- Governance for better assimilation and control of the administrative functions. The system covers the entire gamut of administrative functions of the institute. Human Resource Management including employee appointments, leave applications and maintain leave reports, attendance of the Teaching and Non- Teaching members, employee pay slips, assessment and increments/promotion of employees. The other areas covered by the systems are student's attendance, student registration, compliance of university regulations pertaining to the students, selection of elective subjects, internal exams sending marks thereof to the university etc.</p>

<p>Finance and Accounts</p>	<p>The system provides a total package for conducts and control of the entire Accounts and Finance related functions like preparation of payroll, Professional / Income Tax computation, PF / ESI deduction and maintenance of proper records and Registers, generation of Semester and other fee of the students, Hostel Fee records, general ledger ,cost center ,bank accounts , receipt -payment vouchers payment of bills, records of each cost center , bank reconciliation, group insurance , insurance of the assets of the institute and moreover keeping tracks on the entire Accounting and Financial activities of the Institute.</p>
<p>Student Admission and Support</p>	<p>E-Counseling is facilitated at the institution, by providing assistance. Students can electronically transfer admission fee through NEFT. Printer facility is made available to the students while getting admission. Admission helpline numbers are made available through college website. Students can also reach the college using Google map.</p>
<p>Examination</p>	<p>Continuous Assessments (CAs) and Practical examination are conducted in the institute as per the MAKAUT, WB norms. CA marks are entered periodically in the university online portal within the cut off date as notified by the University. End semester question papers for B. Pharm is received from the University through proper channel on the day of examination. The end semester question papers for M. Pharm program is downloaded from the University's college login portal 30minutes prior to the examination. All the question papers are stored in the strong room of the examination cell under CCTV surveillance. All the examination halls are provided with CCTV and the link for the same is sent to the University for live monitoring. Practical and Viva Voce Examination Marks also entered in the Online Portal on the day of exam. The examination forms are filled online by the students. University also follows Online Script Valuation and mark entry using software.</p>

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
Nill	Mr. Abhijit De	Faculty Development Program for Student Induction	AICTE	2424
Nill	Mrs. Saumya Das	Faculty Development Program for Student Induction	AICTE	2424
Nill	Dr. Sudip Kar	Faculty Development Program for Student Induction	AICTE	2424
Nill	Dr. Paramita Dey	Faculty Development Program for Student Induction	AICTE	2424
Nill	Ms Dishari Dutta	Faculty Development Program for Student Induction	AICTE	3000
Nill	Mrs. Sudipta Roy	Faculty Development Program for Student Induction	AICTE	3000
Nill	Mr Kh. Hussan Reza	Faculty Development Program for Student Induction	AICTE	3000
2019	Dr. Biswajit Basu	Faculty Development Program for Student Induction	AICTE	3000
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for	Title of the administrative training programme organised for	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
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	teaching staff	non-teaching staff				
2019	PROFESSIONAL UGRADATION PROGRAM	PROFESSIONAL UGRADATION PROGRAM	17/06/2019	17/06/2019	8	3
2019	PROFESSIONAL UGRADATION PROGRAM	PROFESSIONAL UGRADATION PROGRAM	07/09/2019	07/09/2019	11	3
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
FDP Universal Human Values AICTE At Bangalore	4	23/07/2019	23/07/2019	7
FDP Universal Human Values AICTE At Sister Nivedita University	4	18/07/2019	20/07/2019	3
INTRODUCTION TO RESEARCH NPTEL FDP COURSE	3	01/07/2019	31/12/2019	180
FDP Universal Human Values AICTE At Central University Jharkhand Ranchi,	4	20/01/2020	22/01/2020	3
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
9	Nil	8	Nil

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1. Contributory Provident fund provision 2. Salary is credited directly to the bank account of the faculties on completion of month.	1. Earn Leave facility 2. Maternity leave provision is there	1. Tuition fee waiver 2. Tutorial classes are provided for weaker students. 3. GPAT Coaching classes are conducted for students

3. Flexi timing for medical reason 4. Maternity leave provision for female faculties. 5. On-Duty leave provision for faculties. 6. Provision for PhD research

aspiring for higher education. 4. Gym facility is available for both boys and girls.

6.4 – Financial Management and Resource Mobilization

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

The accounts of the institute is subject to internal as well as annual mandatory statutory audit for which purpose the Institute has appointed qualified Chartered Accountants to conduct the Annual Audit.

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/ Grnats received in Rs.	Purpose
Supreme Educational Development Charitable Organisation for A.Y 2019-20	9416558.12	Building (Under Construction), Electrical Installation ,Office Furniture ,Others Expenses
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6.4.3 – Total corpus fund generated

9416558.12

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	Yes	BY EMINENT ACADEMICIAN OF OTHER INSTITUTE	Yes	IQAC
Administrative	Yes	AICTE,PCI, M.AK.A.U.T	Yes	IQAC

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

Parents- Teacher meetings are held every semester. Parents are informed about the new initiatives taken up by the higher authority for better management and education.Feedbacks from parents are evaluated and implemented.

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

Skill upgradation programme are conducted each year to professionally develop support staff. Staff are requested to attend the upgradation programme and it is held in their free time so that their routine job is not hampered.

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

1.Intiatives to take up NPTEL courses by students (MAR Activities) and faculties(FDP) 2. Started Sessions on Universal Human Values and Professional Ethics by the faculties trained at AICTE sponsored FDP-SI programs. 3.

Impregnating the idea of using innovative teaching learning tools , LMS system for better interactive sessions for the students. 4. Replaced manual feedback mechanism by the using of Google Forms.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	Nil
d) NBA or any other quality audit	Yes

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
2019	Basics of intellectual property rights by DR. Amiya Kumar Kaliadaha, Senior Scientific Officer, Department of Science and Technology and Biotechnology, Govt. of West Bengal	14/09/2019	14/09/2019	14/09/2019	287
2019	Mitigation Of Environmental Difference When Moving From College To Industry by MS. PIYALI KUNDU	21/09/2019	21/09/2019	21/09/2019	314
2019	One day Workshop on How To Prepare Course Objectives as a unit of Outcome Based Education.	16/12/2019	16/12/2019	16/12/2019	20
2020	Improvisation of innovative teaching learning	05/03/2020	05/03/2020	05/03/2020	12

process
using ICT: A
demo using
free LMS
(CLASSROOM)

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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
A rural health camp on "Personal Hygiene, Nutrition And An Overview On Menstrual Cycle"	14/02/2020	14/02/2020	120	10

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

Percentage of power requirement of the College met by the renewable energy sources The process of installing LED and CFL bulbs is being taken up Awareness is created to save energy, by inspection and by placing stickers near switch board to switch off the power source. Campus has 125 KVA generators for power backup. Centralized tanks are put up to reduce the water wastage. Standard electrical fittings are used to save power.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	Yes	1
Ramp/Rails	Yes	1
Any other similar facility	Yes	1

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	Nil	1	24/08/2019	1	Plantation of tree	Increase the	43

						greenery of the area surrounding	
2019	Nil	1	20/09/2019	1	Plantation of tree	Increase the greenery of the area surrounding	43
2020	Nil	1	20/03/2020	1	Preparing Sanitizers	To support the need of Sanitizers for the society	30
2020	Nil	1	23/03/2020	1	Distribution of Sanitizers and mask with general awareness against Covid -19	To develop an awareness against Covid -19 Pandemic, and provide necessary NON pharmaceutical interventions (NPI)	30
2020	Nil	1	14/02/2020	1	Distribution of sanitary napkins and food packets among local H.S. students in school , Saradamani Vidya mandir Valika Vidyalay	To generate awareness on Personal Hygiene, Nutrition And An Overview On Menstrual Cycle	130
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
No change in the handbook	Nil	The previous version of the handbook was

maintained and no changes were made.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Student Induction Program on Human Values and professional ethics	31/07/2019	10/08/2019	92

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

- The greenery on the campus is well maintained.
- Herbal garden having important medicinal plants is being maintained.
- Big herbal garden with different varieties of medicinal plant is maintained under the supervision of experienced faculties from the department of Pharmacognosy.
- Old big trees within the campus are being spruced regularly. A Gardener is appointed for the care and upkeep of greenery of the campus.
- The campus area is being maintained as plastic free zone.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice A: Title: Systematic Upgrading of students. Objective: With an objective of a holistic development of students both morally as well as academically is essential for the survival in the professional field. Thus it is the duty of the college to provide a systematic upgrading facility for these students so that he or she may survive latter in their profession. Thus alongwith the prescribed curriculum the students require extra guidance and moralmentoring so as to become a successful person. Context : Systemic upgrading isbrought about by a. Good Teaching learning facility b. Mentoring system Thegood teaching learning facility involves • Good support of teaching staff witha balanced knowledge of industry and academics. • Standard learning aids tomake the learning process more interactive. • Efforts given beyond thecurriculum • Building an interface between professional experts and students. On the other hand mentoring system developed: • Improve the teacher studentrelationship • Proper vigilance of the students • Taking up the important problems of the student to the higher authoreties • Providing a moral boost for the student Practice : The college has tried to create an academic environmentwhich presents a curriculum without prejudice to the fundamentals of any subject which are required. • The curriculum offers courses like term paper, mini project, major project where the topics are self selected or based onguide suggestion. The component of self learning is evaluated in these courses. • Every student has to submit a home assignment in every course which has beenevaluated for 5 marks. Some of these tasks are beyond syllabus to encourageoutstanding students to develop their self learning capabilities. • The programplanned weekly time table and facilities in such a way that the students havespace and time to explore and implement their ideas. • Computer Lab with wellequipped and internet facility opened throughout college hours for students. •College library with sufficient number of volumes on core and applicationareas, pharmaceutical and allied biomedical sciences awareness journals areopened during college working hours and students can access all kinds ofjournals and reference books. A robust mentoring system is developed at BengalSchool of Technology and involves a monthly meeting between the faculty(Mentor) with the students. All aspects of the academic development of thestudents are noted and the improvement areas for each of the students arediscussed. Number of faculty Mentors: 15 Approximate number of students

perMentor: 20±5 Frequency of meeting: Once in a month. (30 days) A faculty member(Mentor) is assigned for a group of 20±5 students to help them to clarify their doubts and improve their technical aspects of the courses. An information database of the students is maintained by each faculty mentor for specific details like 1. Information about the student. 2. Previous Record of the student (including exams cleared) 3. Academic Performance in the college 4. Competitive Examination details 5. Cocurricular activities The mentors meet the students periodically and review their performance in Sessional examinations, class tests and other academical activities. Guidance is given to the individual student with respect to their academic problems. Evidence :

- Improved teacher student relationship. • Improvement in students' attendance. • Improvement of academic performance of the students. • Improvement in participation in extracurricular activities. • General awareness about Ragging increased. • Improvement in Students' discipline. • Improvement of self confidence of the students. Best Practice: B Title: Training and placement with IIPC (Industry Institute partnership cell) Objective: The main motive or aim of a professional college is to train the students by exposing them to the work culture of the outside professional field followed by placing them in suitable jobs. A good institute not only places the students in a good position but also assure the sustainability and adaptation to profession. Context :
- Providing industrial training necessary for a initial exposure to the world of profession. • Sustainability with the problems in the working environment. • Hand on experience with the machinery tools and the environment of the industry. • Providing good placement as a door to be successful in the life. Practice: The Training Placement Cell firmly believes in 'Industry Institute Interaction'. In order to accomplish the same, it organizes seminars and talks to provide a platform for the budding and upcoming pharmaceutical technologists to interact with professionals from various industries. It encourages visits to the industries by the institute students and arranges industrial problems to be worked out by students as part of their projects. It also takes suggestions from members of the industry regarding designing/changing of curriculum. The students regularly visit the Pharmaceutical industries like Bengal Chemicals and Pharmaceuticals Limited, Dey's Medical Ltd, Martina Biogenics, Caplet India, Albert David Ltd., Pasteur laboratories Private Ltd, Gluconate Health India Ltd, Strassenberg Pvt Ltd, Indian Drug Private Ltd, East India Pharmaceuticals Ltd, Palsons Derma, Diamond drugs, Stadmed Ltd. and Standard Pharmaceuticals. Outside the state the training has taken place at some major pharmaceutical companies such as Microlabs Ltd, Medopharma Pvt Ltd, Wockhardt Ltd, Hetero Drugs, Zydus Cadila, Alkem Ltd and Drakt International etc. for a first hand experience about the working of pharmaceutical industries. The committee also actively seeks consultancy work from industrial houses to enhance the industry institution bonding. Beside these, it also connects with the various hospitals and Clinical Research Organizations for employment.

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

http://bengalschooloftechnology.org/admin/uploads/mandatory_disclosure/3.pdf

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

Area of Distinctiveness In accordance to vision of Bengal School of Technology (A College of Pharmacy) the students are encouraged towards Entrepreneurship. Distinctive in goal and being part of the vision of the institution, college encourages student for novel ideas and leadership skills. With this context College has collaborated with "WADWANI FOUNDATION "for imparting necessary

training and knowledge for the start up. Being part of MOU with WADWANI FOUNDATION some of our faculty members are trained who further imparts or provide induction of the knowledge to students in college. Motivational classes are also organized to support students for their novel thoughts and idea. With the view of such initiative every year "E-WEEK" celebrated. This generally involves various program involving, seminars, debates, discussions. This is generally done to propagate marketing and leadership skills with financial sensitivity.

Provide the weblink of the institution

http://bengalschooloftechnology.org/admin/uploads/mandatory_disclosure/2.pdf

8.Future Plans of Actions for Next Academic Year

As per current scenario of Covid 19, the maintenance of a quality education system and management is real. The students and faculty can not interact directly. The evaluation process has undergone a setback due to prolonged lockdown. Moreover, various psycho-social-economic factors have deeply impacted the quality education system in Globally. Under this grave situation, Bengal School of Technology has taken initiatives for more maintaining quality learning process ahead. Various initiatives aligned to the requirement of NAAC under considerations of New Pandemic condition is chalked out . They are: Enhancing the ease of the online learning process. Providing live classes using online platforms like Google Meet or Zoom, Providing materials and notes through online mode like Google Classroom. Solutions for the remote learning process. Procurement of a full-fledge Learning Management Software which can help in controlling various issues like, online class, attendance of live classes, facility for collecting online exams and assignments Conducting Webinars and web - conferences on the topics that are essential for knowledge upgradation of students and Faculty members. Enhancement of student and faculty involvement to the MOOCS: NPTEL Online Courses, Coursera, Edx Encouraging faculty members and PG students for the publication of articles and books.