Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**COLLEGE OF ENGINEERING BHUBANESWAR**
Name of the head of the Institution	**Dr. Subrat Kumar Mohanty**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**06742744407**
Mobile no.	**9861376685**
Registered Email	**principal_ceb@koustuvgroup.ac.in**
Alternate Email	**info@koustuvgroup.ac.in**
Address	**Plot No-1,Koustuv Technical Campus, CNI Complex, Infocity Road,Patia,Bhubaneswar-751024**
City/Town	**Bhubaneswar**
State/UT	**Orissa**
Pincode	**751024**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr. Sujit Kumar Khuntia**
Phone no/Alternate Phone no.	**06742744407**
Mobile no.	**9861077862**
Registered Email	**sujitkhuntia72@gmail.com**
Alternate Email	**sujit_khuntia@yahoo.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://ceb.ac.in/iqac-AQAR.php

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://ceb.ac.in/academic-calendar.php

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B**	**2.14**	**2015**	**14-Sep-2015**	**13-Sep-2020**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**06-Jul-2015**

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
Republic Day celebration at KGI	**26-Jan-2020** **1**	**89**

150th birth anniversary of Mahatma Gandhi	02-Oct-2019 1	45
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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
No Data Entered/Not Applicable!!!				
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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 :	**2**
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. Preparation for NBA and NAAC Accreditation 2nd Cycle . 2. Prepare for applying for NIRF ranking . 3. Submission of Research proposals and fund fetched from AICTE and other Govt. Non Govt. Agencies. 4. Further preparation to submit the ranking from different ranking ancientness like India today,Outlook, Times of India and CSR etc. 5. Training to take online classes in zoom, Microsoft teams and google meet are imparted to faculty members since April 2020.

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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	Achievements/Outcomes
To prepare feedback charts from different students, faculty members, stake holders, parents, alumni and	Process is going on for collecting the feedbacks from different stake holders

employer.	
One alumni meet will be organized in a year to year basis.	Already prepared for conducting the Alumni Meet on year to year basis
To make one policy for smooth transportation of students and staff from the next session.	Policy has already been made by the Registrar and has been functioning from the last year
To look after the research activities by arranging funds from some private funding agencies	Funds has been arranged from different agencies for consultancy and research work

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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
Governing Body	**11-Dec-2019**

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**Yes**
Date of Visit	**21-Aug-2015**
16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2020**
Date of Submission	**27-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

Helpful curriculum is manifested through a wide range of activities. Being an affiliated institute, the institute implements the curriculum prescribed by Biju Pattnaik University of Technology. Plan for effective implementation of curriculum at the outset, the Principal of the college conducts meetings with the various Head of Departments to develop strategies for effective implementation of the curriculum as prescribed by the University. Faculties are encouraged to plan in advance to impart the curriculum following OBE (Outcome Based Education) through innovative teaching methods such as Presentations, Assignments, Discussions, Workshops, Seminars and Industrial visits besides the regular/traditional chalk and talk methods. College academic calendar is

prepared well in advance before the commencement of the semester. It consists of the activities planned for the semester which includes schedules for Internal Examinations, Guest lectures, Conferences, Workshops, Industrial visits, Value added courses, Annual day celebration, Student's feedback collection, Project review, Syllabus completion and Quality Assurance Meeting. During the semester, the faculty members strictly follow the lesson plan laid out for each course and is also verified by the Head of the Department periodically. The Institution conducts academic audit of attendance registers,internal exams, question papers and evaluation process. Periodical feedback is obtained from the students in aspects of teaching-learning process. The students are continuously assessed and evaluated through assignments, classroom performance and internal assessment exams. The academic review meetings are held before the commencement of internal examinations to review the progress of syllabus coverage and the effective delivery of the instruction. Regular mentoring is carried out by the faculties and grievances if any, suitable remedial measures are taken as and when necessary. The College encourages its faculty members to participate in Orientation/ Refresher Courses/ Workshops/ Seminars organized by the University so as to update their knowledge and to improve the teaching practices. College establishes MOUs with various industries and institution. Bridge courses are organized and conducted for the second year students and lateral entry students to help them understand basic concepts of Mathematics and Engineering. Employing learner centric techniques such as assignments, group discussion, brain storming, use of NPTEL lectures, case studies, projects, quiz etc., in the delivery of the academic courses.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepene urship	Skill Development
Programming in Java	Nil	18/01/2019	60	Employabil ity	To become a good programmer in java
Microprocess ors and Micr ocontrollers	Nil	Nil	75	Employabil ity	Coding Skill
Robotics	Nil	Nil	55	Employabil ity	Pick and place robot

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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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
BTech	CIVIL ENGINEERING	10/04/2019
BTech	ELECTRONICS AND TELE COMUNICATION ENGINEERING	10/04/2019

BTech	ELECTRICAL AND ELECTRONICS COMUNICATION ENGINEERING	10/04/2019
BTech	MECHANICAL ENGINEERING	10/04/2019
BTech	AUTOMOBILE ENGINEERING	10/04/2019
MBA	MASTER IN BUSINESS ADMINISTRATION	10/04/2019
MCA	MASTER IN COMPUTER APPLICATION	10/04/2019
Mtech	COMPUTER SCIENCE AND ENGINEERING	10/04/2019
Mtech	COMUNICATION SYSTEMS	10/04/2021
Mtech	SOIL MECHANICS AND FOUNDATION ENGINEERING	10/04/2019
Mtech	COMPUTER SCIENCE AND ENGINEERING	10/04/2019
Mtech	STRUCTURAL AND FOUNDATION ENGINEERING	10/04/2019

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

	Certificate	Diploma Course
Number of Students	1636	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
Autonomous Robotics	10/04/2019	45
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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
BTech	Mechanical Engineering	10
BTech	CSE & ETC	6
BTech	Electrical Engineering	9
BTech	Civil Engineering	7
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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
Feedback plays a vital role to improve the performance of an Individual or a Group in Every Organization and Institution. All the students are informed to provide their feedback on the subjects taught, in the prescribed proforma given to them at regular intervals. This will be of great value to the Department to enhance the quality of learning. This feedback helps to understand the problems of students, syllabus coverage, effectiveness of teaching, etc. The feedback is shared with the respective teachers in a constructive manner so that further improvements can be achieved by the faculties in the teaching process. The feedback is collected during the academic session. Feedback is also obtained regarding the general facilities including Mess, Canteen, General hygiene and Cleanliness. The information regarding the programme satisfaction, lecture and lab sessions, facilities and other infrastructure are collected during the Quality Assessment Meeting (QAM) with the students. The Action Taken Report of the QAM will be submitted to the Principal. The Institution also collects the feedback on curriculum aspects and courses from different stakeholders such as the Students, Alumni, Parents, Academic peers, Faculty and Employers. The data are analyzed and their suggestions are considered and placed before the Academic Council for discussion and for possible incorporation in the curriculum. The feedback is analyzed and discussed in the IQAC meeting with the stakeholders.

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
BTech	MECHANICAL ENGINEERING	84	84	46

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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 courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	320	97	88	10	15

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	Numberof smart classrooms	E-resources and techniques used
127	22	22	22	1	5
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2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Yes. Student Mentoring System is adopted in the Institution in the name of Proctor system. Proctor system of the students is an important feature to render impartial service to all the students. A Mentor/Proctor was provided to every student to look after his/her academic and psychological well being and also monitors class attendance and performance. The counselling is done regularly (15 days once in a month). Roles of Mentor /Proctor – 1.Mentors/Proctors are assigned to monitor and guide the students. ? Mentors coordinate with the parents regarding the progress of the students. 2. Mentors/Proctor also keep track of the mentees' academic performance. 3. Mentors/Proctor communicate with fellow faculty and promote mentees at the time of difficulty / opportunity. Benefits of a Mentoring/Proctor System- 1. Bridging the gap between the teachers and students. 2. Creation of a better environment in institution, where students can approach teachers for both educational and personal guidance. 3. Create awareness and provide support to students for attending and clearing GATE, GRE, CAT, ISRO, SAIL, NAL,HAL, NTPC, BSNL, DRDO, BARC, and other Govt. PSUs examinations. 4. Motivation for higher studies and entrepreneurship. 5. Guidance and support in academic performance and campus recruitment. 6. Enhances the students' confidence by setting higher goals and encouraging them to attain their specific goals within the stipulated time bound.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1636	127	1:13

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
200	127	73	Nill	20

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	Mr.Simancahal Panda	Assistant Professor	Best Environmental Activist by NDET
2019	Mr. Akshaya Kumar Behera	Assistant Professor	Best TP Moderator by NDET
2020	Dr. Sadasiv Dash	Professor	Best Faculty by NDET
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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
BTech	01	I/I	09/12/2019	10/02/2020
BTech	01	II/I	23/04/2020	03/06/2020
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

- Our institution is affiliated to Biju Pattnaik University of Technology and the examinations were conducted by them. They follow single valuation for UG and double valuation for PG papers. Practices followed in the institute level for conducting examinations. • 50 marks were allotted for internal assessment for a theory paper. Out of 50 marks 25 marks was awarded based on for the internal test marks and the remaining Twenty five marks was awarded for class attendance and evaluation. • After completion of each internal test, pre-model and model exam, student progress report is sent to parents which consists of of Mark in each subject (Passed / Failed) o Attendance percentage and total number of working days o Counselor 's remarks about the student's academic progress and o His/her behavior in learning process • After every internal test, model examinations, faculties have explained the solution in the class which had enabled the students to perform well in the final examination. • The average marks obtained from the best two tests were chosen for the award of internal assessment marks. • Evaluation of Answer scripts was done by interchanging the papers with another faculty who had handled the same subject/Expert. • Retests when necessary are also conducted in special cases and managed separately. • Quality Assessment Meeting (QAM) will be conducted with students and staff members in the presence of HOD before tests and examinations. During QAM, queries and suggestions are collected from students to eliminate their difficulties in learning and expectations were fulfilled. Slow learners were given opportunity to rewrite the exams, they are closely monitored, and their parents are intimated about their ward's performance. The students who did not perform well are given extra care by conducting special classes. The concerned faculty handling subjects will take responsibility in coaching these students and making them clear the subjects with higher credit.

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

Institute is affiliated to Biju Pattnaik University of Technology and follows academic calendar of Biju Pattnaik University of Technology. Based on academic calendar, department prepares its academic calendar showcasing events planned by the department. It has a standard procedure to plan and develop curricular, co-curricular and extra-curricular activities. Dates proposed by university for commencement and conclusion of semester, internal tests ,project reviews, feedback analysis and quality circle meeting schedules, various activities such as industrial visit, expert lecture, seminars/ workshops/ conferences, Innovators day ,annual day, sports day and department social programs etc are included in department academic calendar. Based on that, faculty members frame the course plan for their subjects. The course plan includes describing course objectives of the subject.

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.ceb.ac.in/obe.php

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
01	BTech	MECHANICAL ENGINEERING	64	62	97
01	BTech	ELECTRICAL	11	11	100

01	BTech	ELECTRICAL ENGINEERING	12	11	92

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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.ceb.ac.in/sss.php

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
No Data Entered/Not Applicable !!!				
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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
Entrepreneurship Development Program	Master in Business Administration	17/01/2020
Contamination of environment and its prevention	Basic Science humanities	07/02/2020
Renewable Energy and its practical, economical application in Indian context	Electrical Engineering	06/07/2019

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
Fabrication of Natural Polymer Composite using Moringa Fiber	Dr. Subhakanta Nayak	NDET	16/06/2020	Research Project
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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
1	COEB INNOVATION CENTRE	MSME,INDIA	Support for Entrepreneurial and Managerial development	Product Development	05/01/2020

		of MSMEs through Incubator			
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
		17

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

Name of the Department	Number of PhD's Awarded
Master in Computer Application	Nill

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)
International	Electronics Telecommunication Engineering	2	0
International	Science Humanities	3	0
International	Computer Science Engineering	3	0
International	Mechanical Engineering	9	5
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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
EEE	3
ETC	2
CSE	3
MECH	2
CIVIL	2
MCA	2
MBA	2
Science Humanities	2
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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
Effect	Dr.	Journal	2020	11	College	10

of surface modificati on of vetiver fibers on their physical and thermal properties	Subhakanta Nayak	of Natural Fibers			of Enginee ring Bhuba neswar	
Erosion wear behavior of benzoyl chloride modified areca sheath fiber reinforced polymer composites	Dr. Subhakanta Nayak	Journal of Natural Fibers	2020	2	College of Enginee ring Bhuba neswar	2
Investig ation and Fabricatio n of Therm o-mechanic al Properties of Ceiba Pentandra Bark Fiber/Poly (Vinyl) Alcohol Composites for Automobile Dash Board and Door Panel Appl ications	Dr. Sujit Kumar Khuntia	Journal of Natural Fibers	2020	4	College of Enginee ring Bhuba neswar	4
Developm ent and study of properties of Moringa oleifera fruit fibe rs/polyeth ylene tere phthalate composites for packaging applicatio ns	Dr. Sujit Kumar Khuntia	Composites Communicat ions	2019	21	College of Enginee ring Bhuba neswar	19

Influence of chemical treatment on tensile strength, water absorption, surface morphology, and thermal analysis of areca sheath fibers	Dr. Subhakanta Nayak	Journal of Natural Fibers	2019	31	College of Engineering Bhubaneswar	29
Two-body abrasive behavior of areca sheath fibre reinforced polyvinyl alcohol composites	Dr. Subhakanta Nayak	Indian Journal of Fibre Textile Research	2019	3	College of Engineering Bhubaneswar	3
Mechanical and tribology properties of Al-4.5 Cu-5 TiC metal matrix composites for light-weight structures	Mr. Jagannath Mphapatra	International Journal of Lightweight Materials and Manufacture	2020	16	College of Engineering Bhubaneswar	16
An Experimental Study of Physical, Mechanical and Morphological Properties of Alkali Treated Moringa/areca Based Natural Fiber Hybrid Composites	Dr. Sujit Kumar Khuntia	Journal of Natural Fibers	2020	5	College of Engineering Bhubaneswar	5

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
Effect of surface modification of vetiver fibers on their physical and thermal properties	Dr. Subhakanta Nayak	Journal of Natural Fibers	2020	30	10	College of Engineering Bhubaneswar
Polyvinyl chloride reinforced with areca sheath fiber composites—An experimental study	Dr. Subhakanta Nayak	Journal of Natural Fibers	2020	30	9	College of Engineering Bhubaneswar
Erosion wear behavior of benzoyl chloride modified areca sheath fiber reinforced polymer composites	Dr. Subhakanta Nayak	Journal of Natural Fibers	2020	30	2	College of Engineering Bhubaneswar

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	Nill	18	1	Nill
Presented papers	Nill	10	1	Nill

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/	Number of teachers	Number of students

	collaborating agency	participated in such activities	participated in such activities
KGI INTRA 2020	COEB	5	14
World Cancer Day	COEB	5	15
Zonal Poly Fest	COEB	7	75
National Level Technical Festival, TechXuberance 2K20	COEB	10	250
'Passport Seva – Student Connect Program'	COEB in collabaration with Passport Office ,Bhubaneswar ,Odisha	3	13
National Youth Day	COEB in collabaration with Blood Bank ,Bhubaneswar ,Odisha	6	15
Celebration of International Women's Day	COEB	7	35
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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
Protection of Women from Eve Teasing	Letter	Commissionerate Police, Bhubaneswar	12
Tree Plantation	Certificate	Lions Club Bhubaneswar	15
Trafic Awarness Programm	Certificate	Commissionerate Police, Bhubaneswar	3
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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 activites	Number of students participated in such activites
National Road Safety Week	COEB in collaboration with Traffic Police Bhubaneswar	Traffic Awareness	6	90
Swachha Bharat Aviyan	COEB	Campus Cleaning	9	30
Swachha Bharat Aviyan	COEB	Statue Cleaning	5	40
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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
Student Internship	Arjita Narayan	NA	4
Student Internship	Bibhas Kumar Sethi	NA	4
Student Internship	Badal Kumar Mohapatra	NA	4
Student Internship	Dipti Ranjan Mahalik	NA	4
Student Internship	Kumar Sourav	NA	4
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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
Student Internship	Job Training	Nirman Promoters Builders India Pvt. Ltd.	13/01/2020	17/01/2020	KUMAR SOURAV
Student Internship	Job Training	Nirman Promoters Builders India Pvt. Ltd.	13/01/2020	17/01/2020	SAROJ KUMAR NAYAK
Student Internship	Job Training	Nirman Promoters Builders India Pvt. Ltd.	13/01/2020	17/01/2020	SOUMYA RANJAN DAS
Student Internship	Job Training	Nirman Promoters Builders India Pvt. Ltd.	13/01/2020	17/01/2020	SANATHA KUMAR NAYAK
Student Internship	Job Training	Nirman Promoters Builders India Pvt. Ltd.	13/01/2020	17/01/2020	RAKESH KUMAR MALIK
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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
M/s Embassy Nirman Private Limited	16/09/2019	Projects / Internships	16
M/s Nirman Promoters and Builders (India) Private Limited	16/09/2019	Projects / Internships	20
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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
55000000	49852254

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
No Data Entered/Not Applicable !!!	
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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
E-Library System of the Institute	Partially	1.1	2014

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total
No Data Entered/Not Applicable !!!			
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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
Suchismita Samantray	Physics (1St)	KGI LMS	26/07/2019
Suchismita Samantray	Physics (2Nd)	KGI LMS	29/07/2019
Suchismita Samantray	Physics (1St)	KGI LMS	02/08/2019
Suchismita	Physics (2Nd)	KGI LMS	05/08/2019

Samantray			
Biswajit Swain	Mechanical	KGI LMS	12/07/2019
Biswajit Swain	Automobile Engineering	KGI LMS	24/07/2019
Biswajit Swain	Automobile Engineering	KGI LMS	30/07/2019
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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	440	8	1	1	1	1	1	155	0
Added	0	0	0	0	0	0	0	0	0
Total	440	8	1	1	1	1	1	155	0

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

155 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
KGI LMS	http://www.ceb.ac.in/facilities.php

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 incurredon maintenance of physical facilites
8100000	3753275	6500000	3365300

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: Stock verification of equipment and annual maintenance of existing equipment is carried out by the concerned department. The stock verification is same also cross verified by the other department and report to be submitted to Principal/Registrar. If any new equipment wants to be added,then concern Head of the department proposes the details with quotations for approval by the Principal and Chairman of the college. Most of the department adds new equipment to meet RD activities in addition to academic requirements. • LIBRARY: All the departments can give the proposals for additional reference books and text books for improving library. The proposals are submitted for approval by the principal and Chairman of the college. • COMPUTERS: College has more than 400 computers with latest configuration to enrich student's knowledge. With the recent norms of AICTE and NAAC/NBA requirements every department has established computer centre and project lab. All the laboratories, faculty rooms, library and hostel have Wi-Fi

connectivity. • CLASS ROOMS: College has sufficient numbers of class rooms with ICT facilities. The classrooms boards and furniture facilities are utilized regularly by the students the maintenance and the cleaning of the classrooms are done with the efforts of the maintenance staff.

http://www.ceb.ac.in/facilities.php

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	POOR MERITORIOUS STUDENTS	876	16389125
Financial Support from Other Sources			
a) National	PRERANA, MEDHABRUTI AND SCHOLARSHIP	1	117600
b)International	Nill	Nill	Nill
No file uploaded.			

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
Reasoning	23/12/2019	42	Malay Tripathy,Bhubaneswar
Apptitude	26/12/2019	47	Manas Ranjan Biswal,Chandrasekharour
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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 passedin the comp. exam	Number of studentsp placed
No Data Entered/Not Applicable !!!					
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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
6	6	15

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus	Off campus

Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
No Data Entered/Not Applicable !!!					
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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
No Data Entered/Not Applicable !!!					
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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
CAT	4
GATE	3
Any Other	9
No file uploaded.	

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

Activity	Level	Number of Participants
Chess (Boys)	Institutional Level	8
Chess (Girls)	Institutional Level	12
Carrom (Boys)	Institutional Level	8
Carrom (Girls)	Institutional Level	4
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	Winner	National	1	Nill	1801219034	BIPLAB ROUT
2019	Winner	National	1	Nill	1801219152	SOUMYA RANJAN DAS
2019	Winner	Nill	Nill	1	1801219065	KALYANI SWAGATIKA DASH
2019	Winner	Nill	1	Nill	1801219021	ASIF KHAN
2019	Winner	Nill	1	Nill	1801219008	ANIRBAN GHOSH
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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)

COEB Students Council help in coordinating all the events related to academics and other co-curricular extra-curricular activities, as per the directives of teaching faculty. The student council plays a vital role in departmental activities such as organizing industrial visit, implant training, symposiums and workshops. The council members and all the other students deliberately involve in their Department newsletter preparation, magazine preparation and in editorial committee. The students involve themselves in events such as Independence day, Republic day and various club activities. Following is the narrative of functions and events conducted by various Committees: Alumni Association: Every department attends to the coordination and liaison activity with alumni through the nominated students. Anti-Ragging committee: Student members assist the institution in implementing rigid anti-ragging measures so that the institution becomes ragging-free campus. Grievance and Redressal Committee: The matters of harassment and suppression of any single individual is being handled by Grievance and Redressal Committee. Student members can help other students to present the grievance in case the victim wants the representation in absentia. Extension Activities: Any education is incomplete without social awareness."NSS Committee" is active in carrying out different activities such as Blood donation Camp, Swach Bharat Abhiyan, Yoga day, Tree plantation etc.The student nominees play an important role in providing the feedback on behalf of all the students in varying as the length and duration of the syllabus, the relevance of the topics, the requisite to include any new topics, etc. These bodies have adequate representation of students who provide feedback on the syllabi and its implementation. Library Advisory Committee: The Library Advisory Committee members meet every month once to discuss the availability of books, periodicals and journals and procurement of new titles. Student representatives from all the branches are nominated as members of the library. Opinion of the students on matters related to adequacy and availability of books, e-resources, new titles and other facilities are considered. Hostel Advisory Committee (Boys Girls): The Boys' and Girls' Hostels have separate committees. The members including student epresentatives meet once a month to discuss issues as per agenda and initiate remedial actions. The various subcommittees in each of these hostels are Food Committee, Maintenance Committee, Discipline Committee, etc. Transport Advisory Committee (Girls Boys): The Transport Advisory Committee including student representatives meet once a month to sort out the grievances like adequacy of seating, timings, extension of service, providing additional stops, etc. Canteen and Cafeteria Committee: Members of the committee including student representatives meet once a month to discuss various points related to food quality, taste, hygiene levels, pricing of items,etc.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Alumni are one of the main stakeholders of the COEB. They contribute immensely to the development of the College in multiple dimensions. The Alumni Association was formed in the year 2008.The alumni meetings is conducted periodically, where the alumni from different branches of the under graduate share their views and give suggestions for the betterment of their junior students. The alumni meet is hosted by the management generously and the alumni are honored with mementos. Such meetings are mutually beneficial for the Institution and the alumni. This provides an opportunity for the alumni to meet their friends and act as a bridge for the faculty to share their experience, knowledge and insights. Alumni have also contributed immensely as members of

(Departmental Alumni Committee) DAC, guiding delivering Guest lectures, offering Internship, assisting in Placement, organizing Industry visits and students to get admissions into reputed Universities at abroad. Their involvement helps to increase the placement percentage of our institution continuously. Successful entrepreneurs from the alumnus are invited to talk on their success stories at various occasions of the Institute. Alumni are providing necessary support and encouragement to develop quality standards that could be used to enhance and improvise the quality of imparting education to the students.

5.4.2 – No. of enrolled Alumni:

1136

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Every year one or two alumni meetings are conducted in the institute. To the meeting , alumni working in various reputed institutes and organizations are invited to conduct activities like mock interview, resume corrections and technical training to the final year students for their placement.

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 Institution excels in academics for over 15 years due to the continuous review and improvement of Quality Policies and plans. . The matters at the department level are discussed by the HOD with the faculty team in consultation with the Principal. This gives the faculty an enormous sense of belonging and pride in the institution and this brings out the best in them. Get together meeting between staff and Governing Council Faculty Governing Council interaction meeting Once a year, a get together meeting between staff and Governing Body members is indeed a moment to cherish, wherein all matters of importance, including the strategic ones are discussed with an equal opportunity for all the staff members to express their constructive suggestions to the council. The meeting of the Chairman with the staff at the beginning of every semester is indeed a reflection of the participative style of the Management.

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

No

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
Library, ICT and Physical Infrastructure / Instrumentation	Library/ICT • Computers are provided with Multimedia facility in central library where students can access all kinds of e-journal.Digital library is provided in central library where users can access kinds of e-resources on campus. • The learning resources centre is open 12 hours a day and 8 hours on

	Holidays and Sundays. The library contains the Reference Section with wide variety of resources, a quiet study area, the office, and a photocopier room. There is a study area with computer facilities, and a group study/reading room. Librarians to offer focused provision for the subjects in which the college admits mature undergraduates, postgraduates and research programme. The collection comprises textbooks, general reference material, question bank and career oriented resources. • Video Course: NPTEL can accessed though Digital Library Infrastructure • Our college is renowned for its very good infrastructure with clean and serene environment. CCTV cameras cover the whole campus for better surveillance • Class rooms are equipped with LCD Projector to provide better learning environment. • Labs are upgraded with recent cutting edge technologies to enhance our students practical knowledge
Teaching and Learning	The SEED effective content delivery program is given to faculty members. Faculties handling programming subjects are linked with Infosys campus connect, Faculty workshop, Wipro Mission, 10X. for effective teaching. Web portal is available which consist of study materials , PPTs for aiding the students in better learning.
Human Resource Management	• Personal files of the faculty are maintained. • Performance appraisals are regularly collected and analyzed. • The house training programmes for faculty are arranged with the help of resource persons. • Biometric attendance system ensures regularity and fair assessment. • The college has computerized administrative system. • Incentive to the faculty members are provided for the publications. • All leave rules are followed as per norms. • Immediate attention is given for the prompt feedbacks and grievance.
Industry Interaction / Collaboration	• Industrial visits and internships for students to know the industrial arena • Guest lecture workshops for students is conducted by resource persons from industry • MoUs with industries through which training, Product development consultancy work is done. • Students participate in

	national level competitions conducted by renowned industries • Faculty training programs in recent technologies are also organized with industrial experts.
Research and Development	The performance appraisal of the faculty has a research component which includes innovative products developed, Grants received from the funding agencies consultancy works. ? Faculty are encouraged to publish papers in renowned international conference and international journals with good impact factor. ? Well-equipped research laboratories are provided with recent and high end licensed software tools that enables the students to do software and hardware Projects.
Curriculum Development	Our institution is affiliated to Biju Pattanik University of Technology and hence follows University Curriculum. Generally, university curriculum maintains the balance in the composition of basic science, humanities, professional courses and their distribution in core and elective. In order to fill the curricular gaps our department makes additional efforts to impart such knowledge by co-curricular, extracurricular and extension activities which is beyond the syllabus content.
Examination and Evaluation	• Continuous evaluation is done through internal assessment tests, assignments, presentations, projects and end seminar examinations etc. • Examination committee ensures smooth conduct of examinations. • Evaluation of answer scripts is done by the concerned faculty and it is verified by the internal exam cell committee. Transparency is maintained in evaluation process Student Evaluation Student academic performance is evaluated through internal assessment tests. Quality evaluation of faculty by the students is done through student's feedback twice in a semester for both theory and practical subjects. • Lecture classes are monitored by Senior Professors and the HOD of the Department. They give constructive comments to improve the quality of teaching - learning process. • Counselling will be provided by the respective HOD for those faculty

	members who have secured low scores and negative comments in the feedback. This motivates them to improve their skills and abilities. • If required, training / orientation programmes are conducted by professional experts to master the skills of the faculty members in the hint of teaching, thus improving the efficiency of teaching-learning process. • Alumni feedback and parents inputs are also be considered for improving quality in teaching.
Admission of Students	UG and PG students are admitted through JEE (MAIN),OJEE

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

E-governace area	Details
Planning and Development	Software developed by Koustuv Systems Private Limited.
Administration	Software developed by Koustuv Systems Private Limited.
Finance and Accounts	Software developed by Koustuv Systems Private Limited.
Student Admission and Support	Software developed by Koustuv Systems Private Limited.
Examination	Software developed by Koustuv Systems Private Limited.

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
2019	Er. Suchismita Samantaray	1st National Workshop on SC Tech of low dimensional system	SOA University,Bhubaneswar	1500
2020	Mr. Abhaya Kumar Mohanty	Workshop of AICTE Approval Process Handbook	AICTE,Delhi	5000
[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 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)

	teaching staff	non-teaching staff				
2019	Awareness programme on NPTEL.	Nill	06/11/2019	09/11/2019	30	Nill
2019	Workshop on MATLAB	Nill	25/11/2019	26/11/2019	9	Nill
2019	Nill	Aware programme on digital transactio n	20/12/2019	20/12/2019	Nill	5
2020	Workshop on soft computing	Nill	25/01/2020	25/12/2021	5	Nill
2020	FDP on nano materials	Nill	08/01/2020	11/01/2020	13	Nill

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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 on nano materials	13	08/01/2020	11/01/2020	4
Workshop on soft computing	5	25/01/2020	25/01/2020	1
Workshop on MATLAB	9	25/12/2019	26/12/2019	2
Awareness programme on NPTEL.	30	06/11/2019	09/11/2019	4

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
6	6	5	5

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
• Transportation Facility • Fee Concession for Wards of Faculty • EPF • Health Care Benefits • Maternity and medical leave Benefits •	EPF • Support for Higher study • Transportation Facility • Health Care facility • Fee Concession for Wards • Salary advance •	• Career training given to students to face placement drive confidently • Support to avail various scholarships provided by

| Registration Fee for conferences and seminars • Support for faculty to pursue higher studies • Skill upgradation program | Maternity and medical leave Benefits | government and NGOs • Emergency Medical care • Counselling facility • Fee concession/fee waiving options for poor and needy students |

6.4 – Financial Management and Resource Mobilization

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

Financial Management: The institute regularly follows Internal external financial audit system. The institutional accounts are audited regularly by both Internal and statutory audits. Minor errors of omissions and commissions when pointed out by the audit team are immediately corrected / rectified and precautionary steps are taken to avoid recurrence of such errors in future. Fund Mobilization: Fund mobilization is through tuition fees paid by students and through NDET. Funds received through government and Non-government bodies for carrying out research, conducting training programs.

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
No Data Entered/Not Applicable !!!		
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6.4.3 – Total corpus fund generated

850000

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	Biju Patnaik University of Technology Rourkela Odisha	Yes	Nabadigant Educational Trust
Administrative	Yes	Biju Patnaik University of Technology Rourkela Odisha	Yes	DACS Associates

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

1. Feedback on improving curriculum 2. Suggestions for improving the students' performance 3. Support for Internships Placements

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

1. Trouble shooting, system maintenance training are given to supporting staffs. 2. Participation in the training programmes for new software and equipment. 3. Supports for higher studies

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

• Initiatives are taken to publish in the peer-reviewed journal • More proposals are submitted for funding agencies • Action taken reports are

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	No
c)ISO certification	Yes
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
No Data Entered/Not Applicable !!!					
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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
Workshop on Role of youth in curbing violence against women	20/09/2019	20/09/2019	12	8
International womens day	09/03/2020	09/03/2020	42	20
Self Protection by Girls	30/12/2019	30/12/2019	45	13

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
30 percent of power requirement is to be met by Solar Energy (New Proposal- 200 KW)

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
Rest Rooms	Yes	1

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address	Number of initiatives taken to	Date	Duration	Name of initiative	Issues addressed	Number of participating students

locational advantages and disadvantages	engage with and contribute to local community						and staff
2020	1	1	18/03/2020	2	Jalachhatra	Supply of Drinking water	12
2020	1	1	21/07/2020	1	Virtual Talk on Yoga and meditation	Stress free life practices	35

No file uploaded.

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

Title	Date of publication	Follow up(max 100 words)
College Prospectus for Students	23/07/2018	Our college prospectus contains the details of admission procedure, credentials of the college, achievements of our students, infrastructure facilities available, placement records, etc..
Service Rules	04/01/2016	College has been implementing Service rules and code of conduct since its inception. These are printed books supplied to all the employees in which rules are approved by Governing Body initially. Revised rules are approved by Governing Body meeting held in each year. The book directs the individual clear direction to follow code of conduct.
HR Rules	10/07/2017	Both Teaching Non Teaching Staff and Student code of conduct and rules.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Helmet Awareness	16/09/2019	16/09/2019	79
[View File](#)			

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

> • Rain Water Harvesting We have already implemented rainwater harvesting mechanism in the campus.However, Waste water is recycled and used for gardening. • Pedestrian friendly roads: The campus has road facility which is always kept clean. Lush green and flowering plants/ trees are planted for ambiance and creating a wonderful microcosm. • Tree plantation The College has been nurturing a large number of plants and trees which can absorb carbon dioxide. • Power Utilization using Solar Energy (Proposed) Our college has planned to install solar powered generation using PV panels with a capacity of 3 kWh, which is used for utilizing lights and fan for the entire campus.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

> • Rain Water Harvesting We have already implemented rainwater harvesting mechanism in the campus. However, Waste water is recycled and used for gardening. • Pedestrian friendly roads: The campus has road facility which is always kept clean. Lush green and flowering plants/ trees are planted for ambiance and creating a wonderful microcosm. • Tree plantation The College has been nurturing a large number of plants and trees which can absorb carbon dioxide. • Power Utilization using Solar Energy (Proposed) Our college has planned to install solar powered generation using PV panels with a capacity of 3 kWh, which is used for utilizing lights and fan for the entire campus students • Our Alumni is providing guest lectures, seminar, workshops and motivation classes for the final years and pre-final year students for their bright future.

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

http://www.coeb.ac.in/bestpratices.php

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 primary objective of the institution is the pursuit of Academic Excellence and Placements. The institute also aims at stimulating the learning skills with a focus on futuristic demands, vitalizing teaching-learning process. The college provides the best amenities required for students to enhance their Technical skills, Academics, and Extra-curricular activities and brings out the best in them. Our college produces university rank holders. Our placement cell plays an important part in our institution, ensures that the students are well trained and prepared to face their campus interviews effectively. Training is imparted to the students from their second year in soft skills and technical skills. Separate training institutes are welcomed to train our students on the real time requirements. Various conferences, guest lectures, workshops, summit, are organized throughout the year, by which the students are exposed to the outside world work ethics and all the recent developments and innovations. Students are encouraged to develop their own projects to help them in exploring their creative ideas. The institution has provided the best possible facilities in terms of infrastructure for teaching, learning and sports activities to make a student dynamic in all dimensions. The Classrooms, Laboratories, Smart classrooms, Group discussion halls, Library, Solved Question bank for all the subjects and Administrative office are highly conducive to the overall academic environment. Beyond this all the innovations are mentioned below. Innovations in Attendance system: Manual faculty and students attendance system is replaced by computerized system. Innovative Infrastructure Facilities:? Establishment of departmental libraries. Most lectures are through power point presentations uploaded in Intranet and available for students at any point of time. Beyond

Syllabus Learning is encouraged through workshops, conferences and guest lectures, industrial visit and project contests. Through this, students are learning beyond the syllabus. Emphasis on Project Based learning several external trainers are brought in to expose students to explore in new technologies and areas. Since learning new technologies resulted in our student's internships and job offers in different companies .

Provide the weblink of the institution
http://www.ceb.ac.in/distinctiveness.php 8.

8.Future Plans of Actions for Next Academic Year

• To get Autonomous status for the institution. • To aim at achieving the highest rank of A in the forthcoming NAAC accreditation process • To create the centre for research in various departments • To set up a training centre in the campus to provide international certification courses to the students. • Increase of weightage for practical component • More focus on Programming and Technical Skills Increase of focus on MOOCs courses Teaching - Learning Process • Strengthening the OBE implementation • Encouraging faculty members to enhance their teaching - learning abilities. • Offering value added courses such as Artificial Intelligence, Machine Learning, Hybrid Electric Vehicles, Digital Manufacturing, and Industrial IOT. • Deputing faculty for industrial training. • MoUs with industries/premier institutions. • Enhancing Students' English Communication Skills and Programming Skills. • Increasing number of smart class rooms. • Improving the class room ambiance. • The Institution has been in a constant process for initiating and implementing various activities to improve quality in the different aspects of Academics, co curricular and extracurricular activities, faculty development. • Moreover, the Institution constantly provides Intensive training for preparing students for competitive examinations.