



Yearly Status Report - 2016-2017

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			Yes																
if yes,whether it is uploaded in the institutional website: Weblink :			http://www.coeb.ac.in/academic-calendar.php																
5. Accrediation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B</td> <td>2.14</td> <td>2015</td> <td>14-Sep-2015</td> <td>13-Sep-2020</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B	2.14	2015	14-Sep-2015	13-Sep-2020
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			06-Jul-2015																
7. Internal Quality Assurance System																			
<table border="1"> <thead> <tr> <th colspan="3">Quality initiatives by IQAC during the year for promoting quality culture</th> </tr> <tr> <th>Item /Title of the quality initiative by IQAC</th> <th>Date & Duration</th> <th>Number of participants/ beneficiaries</th> </tr> </thead> <tbody> <tr> <td>Voluntary Blood Donation a Camp</td> <td>01-Feb-2016 1</td> <td>200</td> </tr> </tbody> </table>						Quality initiatives by IQAC during the year for promoting quality culture			Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries	Voluntary Blood Donation a Camp	01-Feb-2016 1	200					
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Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries																	
Voluntary Blood Donation a Camp	01-Feb-2016 1	200																	

Campus Herbal Garden	20-May-2016 1	30
NAAC(Accreditation Action taken report Ready)	28-Oct-2016 20	4
View File		

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
COEB	SG	AICTE	2017 2	100000
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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 :

1

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)

• Preparation for NBA Accreditation 2nd Cycle • Got NAAC Accredited • Prepare for applying to NIRF • Submission of Research proposals and fund fetched from AICTE

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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
Planned to Encourage the students to participate in the various State/National level events organized	Research papers presented by different faculty members

by government / nongovernment organizations to exhibit their qualities.	
To prepare the AQAR report	AQAR report will be submitted for the year 2016-2017.
To prepare for applying the NIRF ranking	Advertisement yet to come
To improve the research culture, proposals are planned to submit to MSME / TBI / IEI, AICTE, ISTE etc.	Number of Proposals that are submitted by the departments will be scrutinized at Principal and Accreditation Cell.
To conduct ISTE workshop	ISTE one day National workshop will be conducted in the month of November,
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
Governing Body of COEB	10-Aug-2017

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
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Date of Visit	21-Aug-2015
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2017
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Date of Submission	10-May-2017
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17. Does the Institution have Management Information System ?	No
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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

Effective 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. 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.

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
ADVANCED JAVA	NA	05/04/2016	60	Employability	Skill Development
AUTOCAD	NA	05/04/2016	10	Employability	Skill Development
BASIC SPOKEN ENGLISH	NA	05/04/2016	30	Employability	Skill Development
CCNA	NA	05/04/2016	10	Employability	Skill Development
JAVA	NA	05/04/2016	60	Employability	Skill Development
MATLAB	NA	05/04/2016	60	Employability	Skill Development
ORACLE	NA	05/04/2016	80	Employability	Skill Development
PHP	NA	05/04/2016	30	Employability	Skill Development
PROGRAMMING C	NA	05/04/2016	60	Employability	Skill Development
PYTHON	NA	05/04/2016	70	Employability	Skill Development
STAAD PRO	NA	05/04/2016	60	Employability	Skill Development
UNIX	NA	05/04/2016	60	Employability	Skill Development

VLSI	NA	05/04/2016	60	Employability	Skill Development
WEB DEVELOPMENT DESIGN	NA	05/04/2016	10	Employability	Skill Development

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	ADVANCE LAB-II	05/04/2016
BTech	FUEL & LUBRICATION	05/04/2016
BTech	SIMULATION MODELING & CONTROL	05/04/2016
BTech	CAD & CAM	05/04/2016
BTech	NANO SCIENCE & BIO TECHNOLOGY	05/04/2016
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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	Electro Magnetic Theory	05/04/2016
BTech	Digital Signal Processing	05/04/2016
BTech	Electronics Drive	05/04/2016
BTech	Electrical hybrid Vechile	05/04/2016
BTech	Switch Gear and Perfactive Design	05/04/2016
BTech	Communication Engineering	05/04/2016
BTech	Bio Medical Instrument	05/04/2016
BTech	Antena Engineering	05/04/2016
BTech	Computer Architecture and Organization Control System	05/04/2016
BTech	Digital VLSI	05/04/2016
BTech	Semi Conductor Devices	05/04/2016
BTech	Data Structute	05/04/2016
BTech	Internal Combustion Engineering and Gas Turbine	05/04/2016
BTech	CAD/CAM	05/04/2016
BTech	Computer Integrated Manufactures and FMS	05/04/2016

BTech	IoT	05/04/2016
BTech	Data Communication	05/04/2016
BTech	Advance Computing Architecture	05/04/2016
BTech	Cloud Computing	05/04/2016
BTech	Mobile Computing	05/04/2016
BTech	Environmental Impact Assessment	05/04/2016
BTech	Ground Improvement Technique	05/04/2016
BTech	Advance Mechanics of Materials	05/04/2016
BTech	Construction Technology	05/04/2016
BTech	Offroad Vechile	05/04/2016
BTech	Automotive Electrical and electronics System	05/04/2016
BTech	Design of Machine Components	05/04/2016
BTech	Electrical and Hybrid Vechile	05/04/2016

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

	Certificate	Diploma Course
Number of Students	1269	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
ADVANCED JAVA	05/04/2016	120
AUTOCAD	05/04/2016	62
BASIC SPOKEN ENGLISH	05/04/2016	134
CCNA	05/04/2016	65
JAVA	05/04/2016	82
MATLAB	05/04/2016	141
ORACLE	05/04/2016	68
PHP	05/04/2016	42
PROGRAMMING C	05/04/2016	145
PYTHON	05/04/2016	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	5
BTech	CSE & ETC	6

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	120	34	34
BTech	ELECTRICAL AND ELECTRONICS ENGINEERING	90	25	25
BTech	ELECTRICAL ENGINEERING	120	14	14
BTech	ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING	120	23	23
BTech	CIVIL	120	19	19

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
2016	256	27	67	8	12

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
103	20	20	20	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 wellbeing 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. 2. Mentors coordinate with the parents regarding the progress of the students. 3. Mentors/Proctor also keep track of the mentees' academic performance. 4. 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
1362	87	1:16

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	87	113	16	19

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	Designation	Name of the award, fellowship, received from
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	state level, national level, international level		Government or recognized bodies
2016	Dr. Sujit Kumar Khuntia	Assistant Professor	Best Faculty for Research by N K Media Pvt. Ltd.
2016	Dr. Subrat Kumar Mohanty	Principal	Best Principal from ISTE Odisha Chapter
2016	Dr. Ipsita Mishra	Assistant Professor	Distinguish Environmentalism by KGI
2017	Dr. Loknath Sarangi	Assistant Professor	Best Faculty by KGI
2017	Mr. Soumya Darsan Mohanty	Assistant Professor	Best Event Organiser by NDET
2017	Er. Simanchal Panda	Assistant Professor	Best Structural engineer 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	21/12/2016	10/02/2017
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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 o 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 the academic calendar, 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/facilities.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	73	71	97
01	BTech	ELECTRICAL AND ELECTRONICS ENGINEERING	33	30	91
01	BTech	ELECTRICAL ENGINEERING	20	18	90
01	BTech	ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING	25	24	96

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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/best-practices.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
Any Other (Specify)	2	AICTE	100000	100000
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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
Robotics and its automation	Mechanical	18/01/2017
Recent developments in Solar panel and Batteries	EE	24/03/2017
Java Programming	CSE	08/07/2016
VLSI Design	ETC	20/02/2017
Workshop on 'Non Destructive Testing	Mechanical	12/08/2016
Programing language	MCA	09/01/2017
The role of HR in Manufacturing	MBA	26/09/2016

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
Fabriaction of Aluminium Composite Materials	Er. Prasant Kumar Mishra, Asst. professor, Dept. of Mechanical Engineering, CEB	Mallick Tools Engineering Pvt. Ltd.	09/11/2016	Research Project
Intelegent System Design	Er. Asit Kumar Mishra, Asst. professor, Dept. of ETC, CEB	N K Media Ventures Pvt. Ltd.	09/02/2017	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	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
0	NA	NA	NA	NA	Null
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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
Mathematics	1

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	CSE	1	Nill
International	MECH	2	Nill
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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
Science Humanities	5
MBA	3
MCA	3
CIVIL	1
MECH	4
CSE	4
ETC	4
EEE	3
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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
NA	NA	NA	Nill	0	NA	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
NA	NA	NA	Nill	Nill	Nill	NA
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	Nill	12	8	Nill
Presented papers	Nill	2	8	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/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Campus Cleaning programme	COEB	8	75
Blood Donation Program	COEB in collabaration with Blood Bank ,Bhubaneswar ,Odisha	13	200
Road Safety Program	Through NSS,COEB, Bhubaneswar	5	100
Benefits of Digital Money	Dept. of Electronics Telecom ination,CEB	2	16
Awareness Program On Youth Day Celebration	COEB	5	50
Awareness program on safer internet day	Dept. of CSE ETC,COEB	4	168
Tree plantation	COEB	5	60

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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
Top Contributing Institution- Voluntary Blood Camp	Certificates	Department of Health, Odisha	145
Award For Campus Green Campus	Certificates	Dept. Of Agriculture, Govt. of Odisha	45
Traffic Awareness Programme	Certificates	Comisssionarate Police,Bhubaneswar	60
Tree Plantation	Certificates	Rotary Club Bhubaneswar	43

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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/Agen cy/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
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Swachh Bharat	COEB	Campus Cleaning	6	200
Unnat Bharat Abhiyan	COEB (in collaboration with Government of India)	Village Survey	4	20
National Road Safety Week	COEB in collaboration with Traffic Police Bhubaneswar	Traffic Awareness	6	130
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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
Internship	Bivas Ranjan Parida	N K Media Ventures Pvt. Ltd.	8
Internship	Lokanath Sarangi	N K Media Ventures Pvt. Ltd.	8
Internship	Asit Kumar Mishra	N K Media Ventures Pvt. Ltd.	8
Internship	Sukant Dash	N K Media Ventures Pvt. Ltd.	8
Internship	Sitanshu Ranjan Swain	N K Media Ventures Pvt. Ltd.	8
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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
Internship	Job Training	N K Media Ventures Pvt. Ltd.	18/03/2017	23/03/2017	DIVYANSHI LAKRA
Internship	Job Training	N K Media Ventures Pvt. Ltd.	18/03/2017	23/03/2017	ARIJIT MAHANANDIA
Internship	Job Training	N K Media Ventures Pvt. Ltd.	18/03/2017	23/03/2017	ANKITA KUMARI
Internship	Job Training	N K Media Ventures Pvt. Ltd.	18/03/2017	23/03/2017	AISWARYA BEHERA
Internship	Job Training	N K Media Ventures	18/03/2017	23/03/2017	AASHISH KUMAR

		Pvt. Ltd.			
Internship	Job Training	Mallick Tools Engineering Pvt. Ltd.	03/01/2017	28/01/2017	LARAIB AHMAD
Internship	Job Training	Mallick Tools Engineering Pvt. Ltd.	03/01/2017	28/01/2017	L AMAN
Internship	Job Training	Mallick Tools Engineering Pvt. Ltd.	03/01/2017	28/01/2017	KAMLESH KUMAR CHOUBEY
Internship	Job Training	Mallick Tools Engineering Pvt. Ltd.	03/01/2017	28/01/2017	JYOTI PRAKASH BISWAL
Internship	Job Training	Mallick Tools Engineering Pvt. Ltd.	03/01/2017	28/01/2017	DEEPAK XALXO
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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 Nirman Promoters Builders (India) Pvt Ltd.	10/07/2016	Projects / Internships	10
M/s Koustuv Minning Semlting Pvt. Ltd.	04/09/2016	Projects / Internships	8
M/s N K Media Ventures Pvt. Ltd.	13/05/2017	Projects / Internships	20
M/s Koustuv Metals Pvt. Ltd.	13/05/2017	Projects / Internships	10
M/s Mallick Tools Engineering Pvt. Ltd.	15/05/2017	Projects / Internships	10
M/s Koustuv Systems Pvt. Ltd.	12/05/2017	Projects / Internships	30
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
108000000	53675584

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with LCD facilities	Existing
Laboratories	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
E-Library System of the Institute	Partially	1.1	2014

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	23694	14216400	Nill	Nill	23694	14216400
Reference Books	23727	9965340	Nill	Nill	23727	9965340
e-Books	36	Nill	Nill	Nill	36	Nill
Journals	125	250000	Nill	Nill	125	250000
e-Journals	81	Nill	Nill	Nill	81	Nill
Digital Database	3	372000	Nill	Nill	3	372000
CD & Video	2500	Nill	Nill	Nill	2500	Nill
Library Automation	1	Nill	Nill	Nill	1	Nill
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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
Puspa Ranjan Swain	VEHICLE DESIGN	KGI LMS	07/09/2016
Anasuya Swain	ENTREPRENEURSHIP DEVELOPMENT (7th sem)	KGI LMS	02/11/2016
Anasuya Swain	ENTREPRENEURSHIP DEVELOPMENT (8th sem)	KGI LMS	23/12/2016
SUJIT KUMAR KHUNTIA	HEAT TRANSFER	KGI LMS	09/01/2017

SUJIT KUMAR KHUNTIA	REFRIGERATION AND AIR-CONDITIONING(6th)	KGI LMS	23/01/2017
SUJIT KUMAR KHUNTIA	REFRIGERATION AND AIR-CONDITIONING(7th)	KGI LMS	07/03/2017
SUJIT KUMAR KHUNTIA	BASIC MECHANICAL ENGINEERING	KGI LMS	27/03/2017
PROF.(DR.) SUBRAT KUMAR MOHANTY	RADAR AND TV ENGINEERING(6th)	KGI LMS	04/04/2017
PROF.(DR.) SUBRAT KUMAR MOHANTY	RADAR AND TV ENGINEERING(6th)	KGI LMS	15/05/2017
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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 incurred on maintenance of physical facilities
45000000	33675194	7300000	4695801

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 equipments 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 equipments 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	PRERANA, MEDHABRUTI AND SCHOLARSHIP	95	1152665
Financial Support from Other Sources			
a) National	SCHOLARSHIP FROM DIFFERENT STATES	36	1322520
b) International	NA	Nill	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Reasoning	09/07/2016	54	Malay Tripathy, Bhubaneswar
Mathematics	28/07/2016	70	Manas Ranjan Biswal, Chandrasekharour
English	13/08/2016	85	Pankaj, Bhubaneswar
Soft skill	09/11/2016	90	Abdul Hakim, Cuttack
SMART Training	05/03/2017	120	SMART Training, Chennai
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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

2016	GATE Coaching, CAREER AVENUES, bhubaneswar	210	210	12	8
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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
4	4	15

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
Motif India Infotech	42	10	Rajdip Infotech Pvt. Ltd.	23	12

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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2016	2	B.Tech	EEE	IGIT, SARANG	M.Tech (AEI)

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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	1
CAT	2
Any Other	12

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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
Annual Sports	Inter College	120

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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	National/	Number of	Number of	Student ID	Name of the
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	award/medal	Internaional	awards for Sports	awards for Cultural	number	student
2016	Second	National	1	Nill	1501219055	SUMESH KUMAR MISHRA
2016	Winner	Nill	1	Nill	1501219063	BINAYAK BISWAL
2016	Second Prize	Nill	1	Nill	1501219083	SUMANT PRATIK
2016	Second	Nill	1	Nill	1501219067	HIMANSHU KUMAR
2016	Second	Nill	1	Nill	1501219059	ABHISHEK SINHA
2017	First Prize	Nill	Nill	1	1601219149	ARIJIT MAHANANDIA
2017	II Prize	Nill	Nill	1	1601219052	A ASHOK PATRA
2017	Third	Nill	1	Nill	1601219125	SK MEHBOOB ALI
2017	Second	Nill	1	Nill	1601219053	A ASHISH KUMAR
2017	Second	Nill	1	Nill	1601219162	SHUBHAM ROY

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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 representatives 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 are 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 honoured 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 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:

1078

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Every year one alumni meetings are conducted in the institute. TO the meeting , alumni working in various reputed companies 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)?

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
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.
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.
Human Resource Management	<ul style="list-style-type: none"> • 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.
Examination and Evaluation	<p>• 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.</p> <p>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 art of teaching, thus improving the efficiency of teaching-learning process. • Alumni feedback and parents inputs are also be considered for improving quality in teaching.</p>
Research and Development	<p>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</p>
Library, ICT and Physical Infrastructure / Instrumentation	<p>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</p>

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

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.

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-governance 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
2017	Dr. Suchismita Samanataray	International Conference of Quantum Information	Institute of Physics, Bhubaneswar	1000
2016	Dr. Suchismita Samanataray	DAE-Solid State Physics Symposium	KIIT University DAE , Govt. of India	1000
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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 teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2016	Recent Advance in smart materials	Nill	11/11/2016	26/11/2016	15	Nill
2016	Numerical method in fluid flow heat transfer	Nill	27/01/2017	02/03/2017	8	Nill
2017	Nill	Computer awareness	22/08/2016	26/08/2016	Nill	10
2017	Nill	Evaluation system	05/03/2017	07/03/2017	Nill	10
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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
DAE Solid State Physics	1	26/12/2016	30/12/2016	5
IST Workshop on Fluid Mechanics	3	20/05/2017	30/05/2017	11

Workshop on MATLAB	12	05/06/2017	12/06/2017	8
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
12	12	8	8

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> • Transportation Facility • Fee Concession for Wards of Faculty • EPF • Health Care Benefits • Maternity and medical leave Benefits • Registration Fee for conferences and seminars • Support for faculty to pursue higher studies • Skill upgradation program 	<ul style="list-style-type: none"> • EPF • Support for Higher study • Transportation Facility • Health Care facility • Fee Concession for Wards • Salary advance • Maternity and medical leave Benefits 	<ul style="list-style-type: none"> • Career training given to students to face placement drive confidently • Support to avail various scholarships provided by 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)

<p>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.</p> <p>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.</p>

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
NDET	5000	Best CGPA in Final Year Computer Science
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6.4.3 – Total corpus fund generated

180000

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	BPUT	Yes	IQAC

Administrative	Yes	BPUT	Yes	IQAC
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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 prepared and implemented to receive higher grade in the second cycle of NAAC accreditation.

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
2017	Hands On Training On Components Testing	05/07/2017	05/07/2017	09/07/2017	85
2016	Innovative teaching Methodologies	10/12/2016	10/12/2016	14/12/2016	15
2017	Value added course on Introduction to Python Programming by St. Patrick software solutions	18/01/2017	18/01/2017	30/01/2017	65
2017	Value added course on Hardware Networking by Dynamic Networking	30/01/2017	30/01/2017	05/02/2017	30
2017	Value added course on Network Protocols	23/07/2017	02/08/2017	02/08/2017	45

	and Programming by Dynamic Networking				
2016	Value added course on Network Simulator-3	06/12/2016	06/12/2016	07/12/2016	25
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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
AIDS awareness	01/12/2016	01/12/2016	54	48
Cancer Awareness	04/02/2017	04/02/2017	40	35
Women Health	08/03/2017	08/03/2017	67	Nill

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

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nill
Provision for lift	Yes	Nill
Ramp/Rails	Yes	Nill
Rest Rooms	Yes	Nill

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
2016	1	1	26/10/2016	1	NSS Activity	Road safety Awareness Programme	125
2016	1	1	24/10/2016	1	NSS Activity	Helmet wearing Awareness	100

2017	1	1	04/06/2017	1	Swachh Bharat	Village Cleanliness and awareness programmes	10
2017	1	1	21/06/2017	1	Talk on Yoga and meditation	Stress free life practices	50
2017	1	1	26/01/2017	1	Campus clean	Pollution free campus	50
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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)
College Prospectus for students	16/08/2016	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.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Helmet Awareness	24/10/2016	24/10/2016	100
Yoga Day	21/06/2017	21/06/2017	200
Independence day	15/08/2016	15/08/2016	210
Teachers Day Celebration (Birth Anniversary of Dr. Sarvapalli	05/09/2016	05/09/2016	240

Radhakrishnan)			
Engineers Day Celebration(Birth Anniversary of Sir Vishvwshwaraya)	15/09/2016	15/09/2016	230
Mahatma Gandhi Jayanti	02/10/2016	02/10/2016	180
National Unity Day	31/10/2016	31/10/2016	25
Republic day	26/01/2017	26/01/2017	250
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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 ambience 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

Best Practice I Title of the Practice: IMAGE BUILDING OF STUDENTS ORIENTED TOWARDS PROFESSIONAL SKILLS Objective of the Practice follows: • Improve the professional skills of students • To make the students industry ready • To fill the gap between industry and curriculum. The context: The following problems identified and focusing to rectify in the Technical club by proper motivation. Recent studies focus that the engineering students need more employability skills. In addition to that, less no. of the students prefer to pursue higher studies and do research in the relevant field. The practice: •Pre-Placement training is imparted to students. This training includes training on soft skills, programming skills, aptitude skills and Technical skills to match with industry needs and to achieve their short term and long term goals. Trainers are hired from reputed training companies who impart training and evaluate the students accordingly. • Various placement activities like resume preparation and correction, aptitude training and mock interview are being conducted by our alumni • Skill development programs, communication skill programs and new tools demonstration are imparted to students at regular intervals. • Value added courses, Hands on training, various club activities are provided to the 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/bestpractices.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.coeb.ac.in/distinctiveness.php>

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.