



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	EINSTEIN ACADEMY OF TECHNOLOGY AND MANAGEMENT
Name of the head of the Institution	SUVENDU PRASAD SAHU
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	06755-243623
Mobile no.	7008199166
Registered Email	info@eatm.in
Alternate Email	principal@eatm.in
Address	AT:Baniatangi, P.O: Bajpur, Dist:Khurda, Pin-752060, Odisha, India
City/Town	KHORDHA
State/UT	Orissa
Pincode	752060

<b>2. Institutional Status</b>	
Affiliated / Constituent	<b>Affiliated</b>
Type of Institution	<b>Co-education</b>
Location	<b>Rural</b>
Financial Status	<b>Self financed</b>
Name of the IQAC co-ordinator/Director	<b>Bibhu Prasad Nanda</b>
Phone no/Alternate Phone no.	<b>06755243623</b>
Mobile no.	<b>9937893661</b>
Registered Email	<b>iqac@eatm.in</b>
Alternate Email	<b>bibhu@eatm.in</b>

<b>3. Website Address</b>	
Web-link of the AQAR: (Previous Academic Year)	<a href="https://www.eatm.in/page.php?page=aqar-2018-19">https://www.eatm.in/page.php?page=aqar-2018-19</a>
<b>4. Whether Academic Calendar prepared during the year</b>	<b>Yes</b>
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="https://drive.google.com/file/d/1RcUDQAuC4mKP3VXTTLgteOZRdnSj6-5-/view">https://drive.google.com/file/d/1RcUDQAuC4mKP3VXTTLgteOZRdnSj6-5-/view</a>

<b>5. Accrediation Details</b>					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
<b>1</b>	<b>B++</b>	<b>2.80</b>	<b>2018</b>	<b>16-Aug-2018</b>	<b>15-Aug-2023</b>

<b>6. Date of Establishment of IQAC</b>	<b>14-Apr-2017</b>
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<b>7. Internal Quality Assurance System</b>
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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
<b>STTP ON Advances in</b>	<b>02-Feb-2021</b>	<b>65</b>

Composites and Coatings	5	
POWER QUALITY ISSUES AND ENERGY MANAGEMENT IN A GRID INTEGRATED WITH RENEWABLE SOURCES, PQIEMGIRS-2021	24-Feb-2021 5	85
STTP	22-Feb-2021 5	76
Seminars, workshops are conducted in the college premises	01-Aug-2020 1	120
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**8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Mechanical Engineering	TEQIPIII	BPUT	2019 3	275000
Electronics and Communication Engineering	TEQIPIII	BPUT	2019 3	160000
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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?**

Yes

If yes, mention the amount

360000

Year

2019

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

The IQAC prepared some structured action plan and executed it through the departmental heads, where, IQAC played an active role in internalizing a culture of quality within the institution. This culture was maintained and sustained by several initiatives taken by the Cell through the year. • Orientation sessions were conducted for the faculty and periodic meetings/ discussions with department faculty members were conducted to collate the data pertaining to various activities of the departments. The writing process was carried out by the different committees, led by a member of the IQAC. Every semester there are two types of meetings conducted. Namely, action plan of the department, • Regularly academic Council/audit meetings are held, all the departmental activities are reviewing and monitoring final meeting to check their outcome. In a semester twice feedback has been collected (Both offline/On line) and accordingly action Plan has been taken in order to achieving outcomes.

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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
<p>Participated in admission process of State Govt. OJEE/LEE (Main) • Increase the Student Enrolment Academic planning: • Chalked out a specific plan of action before the academic year start and execute it through the department heads • Execute of Academic planner in time and properly • Conduction of short courses • Arranging Industrial Guest Lectures • Encouraging students to do Industry • Making in house Projects • Faculty Publication • Utilization of Budget Allocated Training and Placement • Provides adequate Training to students by experts of industry • Providing GD/PI students regularly • Developing students problem solving skill, speaking ability through aptitude test, reasoning test etc. • Remove fear from the minds of student's through proper counseling to students by expert psychologist before they facing interview. • Inviting Industries/companies more and more and providing placement through the on campus drive. Central Library • Increasing the volumes of books and periodicals • Purchasing Sufficient book/magazines /periodicals as per reference by the library committee • Using soft ware for automation of library • Providing e library facility with 247 WiFi facility to the students</p>	<p>Reaching a bench mark of achievement as per the action plan • Achieving eighty five percent Placement and most of the students are placed in reputed core industries/companies of private and multinational companies. • Accorded Maximum output as per the action plan • Obtained high achievement as per the action plan .• Sufficient Opportunity provided for clubs and NSS and lack of consultancy activities in the respective departments • Maximum targeted as per action plan of RD.</p>

Yoga/sports/Cultural • Every Sunday morning Yoga class Provided to all students • Encouraging students to participate in sports/Games /athletic (Indoor/outdoor programmes) • Encouraged to students to participate more in external events and won the medals • Regularly cultural Events has been conducted, such as Saturday Musical evening, Extra Bangada, talent hunt, Rangoli Annual cultural fest etc. NSS/ Alumni Meet/SSG/Plantation /Swachha Bharat/ Road and safety Awareness Programmee etc. • Providing more opportunities and programmes for the students to develop their organizing ability, talent, and leadership skill through their exposure Research and Development (RD) activities • Providing adequate information and guidance to faculty and students to do research activities for, innovation of patent, in house project, development of research work through internal/external funding, • Encouraged to students/faculty/Research scholars to publish more and more journals, research papers in reputed journals with high index., such as IEEE/Elsevier/ Springer /IJSE/IOEM/IJSER/Asian Journal ( Scopus/Thomson Retours/ Copernicus/UGC indexed)

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
GOVERNING BODY OF EINSTEIN ACADEMY OF TECHNOLOGY AND MANAGEMENT, BHUBANESWAR	20-Feb-2020

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

No

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2020

Date of Submission

28-Feb-2020

17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	ERP System is operational for the teaching, learning and evaluation process. Soft Lib software is used for Library management. TALLY is used for accounting and database purpose. High configuration PCs are provided for the above.

## Part B

### CRITERION I – CURRICULAR ASPECTS

#### 1.1 – Curriculum Planning and Implementation

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

The Einstein Academy of Technology and Management has a mechanical body, which follows strictly the curriculum prescribed by the Affiliated University. Institution also plans, regulates and monitors the activities related to academic curriculum through the head of the departments, various Committees like Academic Advisory Committee, Academic Planning, Execution and Monitoring Committee, Academic Audit Committee, Examination Committee etc. The major steps/ activities Implemented are:

- Academic planning, execution and monitoring committee prepares the academic calendar in Parallel to the Affiliated University calendar for the implementation of best teaching-learning Atmosphere with in the institution.
- The head of the departments distributes the subjects among the faculty members of the department by holding a department meeting for the forthcoming semester.
- University prescribes the syllabus, list of recommended books and assessment scheme of internal and external marks. Prepare the teaching plan of their allotted subjects considering the number of lectures allotted for Completion.
- Detailed unit wise implementation plan is filled by individual faculty member. Academic Coordinator and HOD monitor the progress of the curriculum implementation at the end of every Month
- Basing on the performance of the students in the class test, advance learners and slow learners are identified. Advanced learners are assigned with more tasks for more knowledge and the slow Learners are informed about their low writing skills and poor representation of concepts.
- All Faculty members are encouraged to impart their knowledge using innovative teaching methods such as ICT presentations, assignments, group discussions, role plays, using audio visual aids and online resources.
- Besides periodic internal assessment tests, additional compensatory tests, quiz tests are also conducted for students to improve their performance.
- Students are divided into small groups to carryout experiments in the laboratory classes for through practical knowledge. Further the slow learners are ensured to conduct the same experiment in the extra time.
- Institute conducts industrial tours, internship trainings etc. for students to bridge the gap between the industry and academia. Further they are motivated to do value added courses based on the feedback taken from the alumni and the needs of the Industries to enhance their employability.
- Institution provides all kinds of text books and reference books to its students for their studies through book banks, lending library. In addition to this the central library is also having an e-library to enhance their knowledge globally. Further the central library is also having printed journals, e-journals to cultivate the research activities among the students and also faculty members.
- The departments of the Institution conduct

seminars, workshops etc. in regular intervals to educate the students about the recent trends in engineering and technology. • Online feedback system is implemented at all levels to maintain transparency in teaching and learning process. • Alumni are invited to share their field experience to the current batch students for motivational purpose.

#### 1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development
INDUSTRIAL AUTOMATION	INDUSTRIAL AUTOMATION	03/09/2020	30	ENTREPRENEURSHIP AND EMPLOYABILITY	AUTOMATION
MATLAB	MATLAB	11/09/2020	30	EMPLOYABILITY	PROGRAMMING APPLICATION
EMBEDDED SYSTEM	EMBEDDED SYSTEM	07/10/2020	30	EMPLOYABILITY	PROGRAMMING APPLICATION
AUTO CAD	AUTO CAD	12/10/2020	30	EMPLOYABILITY	DESIGN
CATIA	CATIA	22/10/2020	30	EMPLOYABILITY	DESIGN
PROE	PROE	10/11/2020	30	EMPLOYABILITY	DESIGN
SOFT SKILL	SOFT SKILL	27/11/2020	20	ENTREPRENEURSHIP AND EMPLOYABILITY	PERSONALITY DEVELOPMENT
PERSONALITY DEVELOPMENT	PERSONALITY DEVELOPMENT	08/12/2020	20	ENTREPRENEURSHIP AND EMPLOYABILITY	EMPLOYABILITY
STAAD PRO	STAAD PRO	28/08/2020	30	EMPLOYABILITY	DESIGN
PROGRAMMING IN C	PROGRAMMING IN C	12/08/2020	32	EMPLOYABILITY	PROGRAMMING

#### 1.2 – Academic Flexibility

##### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
MBA	MBA	05/06/2020
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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
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Mtech	STRUCTURAL ENGINEERING	05/06/2020
Mtech	MECHANICAL SYSTEM DESIGN	05/06/2020
BTech	MECHANICAL ENGINEERING	05/06/2020
BTech	ELECTRICAL AND ELECTRONICS ENGINEERING	05/06/2020
BTech	ELECTRONICS AND COMMUNICATION ENGINEERING	05/06/2020
BTech	ELECTRICAL ENGINEERING	05/06/2020
BTech	COMPUTER SCIENCE ENGINEERING	05/06/2020
BTech	CIVIL ENGINEERING	05/06/2020
MBA	MARKETING	05/06/2020
MBA	FINANCE	05/06/2020

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

	Certificate	Diploma Course
Number of Students	396	1245

## 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
INDUSTRIAL AUTOMATION	29/07/2020	44
MATLAB	11/09/2020	53
EMBEDDED SYSTEM	07/10/2020	42
AUTO CAD	12/10/2020	37
CATIA	22/10/2020	44
SOFT SKILL	27/11/2020	67
PERSONALITY DEVELOPEMENT	08/12/2020	124
STAAD PRO	28/08/2020	46
PROGRAMMING IN C	12/08/2020	132
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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
Mtech	MECHANICAL SYSTEM DESIGN	6
Mtech	STRUCTURAL ENGINEERING	5
BTech	ELECTRICAL ENGINEERING	67
BTech	MECHANICAL ENGINEERING	82
BTech	ELECTRICAL AND ELECTRONICS ENGINEERING	43
BTech	COMPUTER SCIENCE	41



	<b>ENGINEERING</b>	
BTech	<b>ELECTRONICS AND COMMUNICATION ENGINEERING</b>	12
BTech	<b>CIVIL ENGINEERING</b>	75
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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
<p>The Institution has a feedback Committee which is duly approved by the authority, this committee consists with senior professors and administrative officers. This committee takes two times feedback from the students, parents, alumni, existing students and stakeholders and employers as per the feedback system (Off/On Line) such as: Students' Feedback: Feedback on Curriculum is obtained by the College from each student after the completion of the course, in a definite format every semester. The college has implemented online student feedback system. Alumni Feedback: Every year institute organizes Alumni Meet in which feedback is collected to enrich the curriculum. Parents Feedback: The College obtains feedback on curriculum from the Parents at the time of the parents-teachers meetings organized by each department regularly. Employers Feedback: The EATM Group of institute organizes curriculum development workshop, where employers are also invited. Their feedback is collected during these interactions. Exit Feedback: The institute has a separate format for taking the feedback from the graduate students. The teachers collect the exit level feedback from the graduates regarding learning processes after the end of academic session every year. There is a well defined feedback system in the institution to evaluate the performance of teaching and nonteaching staff members. Self Appraisal: At the end of each academic year every teacher has to submit a fresh bio data which consists of self appraisal covering various aspects like academics, research and counseling etc. to justify their contribution towards the utmost development of the institution and the stakeholders. Generally it is given 30 weightage in the evaluation process. Student Appraisal: Student feedback is collected twice in a semester generally at the end of each class test giving questions related to the subject knowledge, performance, attitude, course coverage etc., and it is given 30 weightage in the evaluation process.</p>

### CRITERION II – TEACHING- LEARNING AND EVALUATION

#### 2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
Mtech	<b>ENGINEERING AND TECHNOLOGY</b>	36	27	27

BTech	ENGINEERING AND TECHNOLOGY	540	485	485
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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	2083	111	122	10	10

## 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
122	122	4	12	12	5
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### 2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

The institution has adopted a student mentoring system (SMS), in order to counsel the students those are facing problems and need to counsel for their optimum performance in academic and Non academic segmentation .This Counsel System is called “ASWASANA”. By this, Process, faculties are assigned to counsel the students as per ratio 1: 17 for each semester students. Here, the following student counsel activities have done by the faculties / PRO and SWO of EATM through the counsel center of this institution. Such as: A) Professional Guidance: • There is a full fledged mentoring system in place in the college to take care of the interests of all the students on rolls. • Permanent Full type system in place for professional guidance. This unit of HR arranges interaction with the Industry personnel and higher education institutions on horizontal and vertical progression of students. • Regular Annual Industrial Visits and Internships are provided to familiarize students with the Industrial Work scenario. • Number of industry – institute inter actions for professional guidance is also organized during the Tech fest, a regular week long features. B) Career Advancement: • Career Mentoring: The innumerable career and professional opportunities emerging everyday has made the job scenario highly competitive and complex and this situation compels the student to prioritize and choose the best suited for him or her. In order to make a wise choice of profession, every student needs some knowledgeable guidance in such situations. Our HRD Center provides the students the following counseling services: • Career goal setting based on an assessment of individual aptitudes • Guidance on viable career options available • Assistance in choosing the best career oriented educational enrichment program • To facilitate the stated above, the department has prepared a Career Guidance Form which is taken individually with their Parent’s Presence in their third year of studies. According to their choice of Interest, the training is provided. • Student Support Services Centre working as a satellite facility of the HRD Center coordinates the numerous schemes aimed at their career advancement and well being of the students C) Orientation: New students are briefed on matters pertaining to their programs /courses, fees, accommodation and the rules and regulations of the college. They are also advised on personal safety and security. D) Counseling: Counseling services on academic and nonacademic matters are also available to all students. The Student Counseling Service provides free, specialist confidential interventions through professional counselors to students who experience psychological distress. The Counselors help them achieve their full academic and personal potential and goals E) The Peer Mentoring System: The College also has the peer mentoring system by which a group of five or six new entrants are placed under the care of a senior student who is responsible for their conduct, safety and security on the campus. These senior peers have also been found helping the fresher’s under their care in academics.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2194	122	1:18

## 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
122	122	0	12	9

### 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
2020	RADHESHYAM HOTA	Assistant Professor	BEST TEACHER
2020	KUMAR GOURAV DAS	Assistant Professor	BEST TEACHER
2020	REKHANJALI SAHOO	Assistant Professor	VERSATILE TEACHER
2020	BINAYA KUMAR MALIKA	Assistant Professor	VERSATILE TEACHER
2020	SURAJ PANIGRAHI	Lecturer	EXCELLENCE IN LAB INSTRUCTION
2020	RAKESH KUMAR BARIK	Assistant Professor	VERSATILE TEACHER
2020	BIBHU PRASAD NANDA	IQAC / CIQA coordinator	BEST TEACHER
2020	SUMEET KUMAR CHOUDHURY	Assistant Professor	DEDICATED TEACHER
2020	JYOTI RANJAN PATI	Assistant Professor	VERSATILE TEACHER
2020	BINAYA PRADHAN	Assistant Professor	EMERGING TEACHER
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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	101	8/4	01/07/2019	31/10/2020
Mtech	101	2/2	01/07/2019	31/10/2020
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### 2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The Institution has an evaluation procedure in order to focus on a continuous Internal Evaluation (CIE) for smooth and transparent examination. The institution has duly formed an examination committee which is headed by the director of examination who is the convener of the committee and comprises with eight numbers of staff member in the team. It regulates and conducts all sorts of activities related to examination with respect to the University guidelines. It also issues certificates to the passed out students. During this COVID-19 Pandemic, all the internal examinations are conducted through online mode and the evaluation process is also made through online mode. • The scheme of evaluation for class tests and as well as for laboratories is mailed to all individual students by evaluating the answer scripts. If any error is noticed the faculty used to make it correct and the same will be deposited to the examination section. • If a student is still not satisfied with the evaluation procedure, then he/she is very much allowed to take the case into the notice of the respective head of the department. The same may also be bringing to the notice of the Grievance and Redressal Cell to intervene and to address the matter. In general such kinds of cases are addressed within a period of 15 days of time. • Students who ever are not able to appear the class test in the scheduled time for some valid reasons or not performed well in the regular class tests on medical ground then they are allowed to sit in the improvement test to facilitate the mental support to do well in the semester examination. • Besides the university stipulated examinations, the institution has also devised other means for carrying out continuous evaluation. A number of assignments, group discussion sessions, problem solving sessions, quizzes, seminars etc. are conducted to make proper assessment of the student. However, these tests are announced well in advance by the concerned faculty. • In addition to this the internal evaluation is also made to the performance of the faculty members in the class through the feedback mechanism from the stakeholders. Heads of the departments and the Head of the institution continuously monitor for the best possible implementation of the process to improve teaching and learning process.

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

The academic calendar provided by the Affiliated University consists of the starting date of instruction, dates for the current semester registration, backlog registration, dates for both the class tests, dates of displaying for internal marks, dates for sending of internal marks, closing date of instruction, dates for end semester examination, semester breaks, dates for sports meet, dates of publication of result etc. Hence, accordingly the institution prepares its own calendar for execution of all sorts of initiatives to adhere to the academic calendar viz. • Institute displays the notice in time as per the university norms i.e. with and without fine for students' registration well in advance before the commencement of the regular class work of each of the semesters. • As per academic council meeting all faculty members are instructed to prepare and submit their lesson plan, work load and teaching aids to the respective Head of the Departments for verification and approval before implementation. • Publication of time table for the regular class work for all the semesters is being done in time i.e. 7 days earlier to the commencement of semester classes which is prepared by the professor, time table in-charge in consultation with the heads of the departments. Generally four hours of teaching is given per subject per week for better understanding. • The regular class work for all the semesters are usually start on the stipulated date prescribed in the academic calendar of the Affiliated University. • Both the class tests per semester per subject are usually conducted within the period of dates (7 days generally given by the university) and the result/ marks

usually published. • The marks for the internal tests, sessional and laboratories are sent to the affiliated university within the stipulated time period. • For in time publication of semester results, college deputed its faculty members to the nodal centers of the affiliated University for the evaluation of answers scripts for almost all subjects irrespective of any discipline. • Departments are encouraged to organize seminars, workshops, faculty development programmes at least twice in a year to enrich the recent developments in engineering and technology. • Institution provides holidays and semester breaks for both students and staff members as per the Affiliated University norms.

## 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.eatm.in/pos.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
ENGINEERING AND TECHNOLOGY	Mtech	MECHANICAL SYSTEM DESIGN	2	2	100
ENGINEERING AND TECHNOLOGY	Mtech	STRUCTURAL ENGINEERING	6	6	100
ENGINEERING AND TECHNOLOGY	BTech	MECHANICAL ENGINEERING	142	128	90
ENGINEERING AND TECHNOLOGY	BTech	ELECTRICAL ENGINEERING	107	99	92
ENGINEERING AND TECHNOLOGY	BTech	ELECTRICAL AND ELECTRONICS ENGINEERING	30	28	93
ENGINEERING AND TECHNOLOGY	BTech	CIVIL ENGINEERING	144	135	93
ENGINEERING AND TECHNOLOGY	BTech	COMPUTER SCIENCE ENGINEERING	58	54	93
ENGINEERING AND TECHNOLOGY	BTech	ELECTRONICS AND COMMUNICATION	44	40	90

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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.eatm.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
Major Projects	0	NA	0	0
Minor Projects	0	NA	0	0
Interdisciplinary Projects	0	NA	0	0
Projects sponsored by the University	0	NA	0	0
Students Research Projects (Other than compulsory by the University)	30	AULTRON TECHNOLOGY PVT LTD	0.5	0.5
International Projects	0	NA	0	0

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**3.2 – Innovation Ecosystem**

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

Title of workshop/seminar	Name of the Dept.	Date
Converter Application in Power Electronics and Soft Computing area	Electrical Engineering	22/10/2020
Artificial Intelligence and its real field application	Computer Science Engineering	05/10/2020
Challenges Opportunities in Mechanical Engineering	Mechanical Engineering	29/09/2020
Different mathematical water modelling tool and its uses	Basic Science and Humanities	10/11/2020
How to publish publishable manuscripts	Basic Science and Humanities	16/12/2020

Microwave application in the era of Electronics	Electronics and Communication Engineering	17/09/2020
Function of different materials in different applications	Civil Engineering	02/12/2020

### 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
VERSATILE TEACHER	JYOTI RANJAN PATI	UECT, Bhubaneswar	31/12/2020	Teaching
EMERGING TEACHER	BINAYA PRADHAN	UECT, Bhubaneswar	31/12/2020	Teaching
EXCELLENCE IN LAB INSTRUCTION	SURAJ PANIGRAHI	UECT, Bhubaneswar	Nil	Lab Instructor
VERSATILE TEACHER	BINAYA KUMAR MALIKA	UECT, Bhubaneswar	Nil	Teaching
VERSATILE TEACHER	REKHANJALI SAHOO	UECT, Bhubaneswar	Nil	Teaching
BEST TEACHER	KUMAR GOURAV DAS	UECT, Bhubaneswar	31/12/2020	Teaching
BEST TEACHER	RADHESHYAM HOTA	UECT, Bhubaneswar	31/12/2020	Teaching
VERSATILE TEACHER	RAKESH KUMAR BARIK	UECT, Bhubaneswar	31/12/2020	Teaching
BEST TEACHER	BIBHU PRASAD NANDA	UECT, Bhubaneswar	31/12/2020	Teaching
DEDICATED TEACHER	SUMEET KUMAR CHOUDHURY	UECT, Bhubaneswar	31/12/2020	Teaching

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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
IOT CENTRE OF EXCELLENCE	CENTRE OF EXCELLENCE ON IOT	Kernel Sphere Technology	TRAINING PROGRAMME	TRAINING	07/05/2019

No file uploaded.

## 3.3 – Research Publications and Awards

### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
40	22	6

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

Name of the Department	Number of PhD's Awarded
NA	0

### 3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if
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			any)
National	CIVIL ENGINEERING	7	3.5
National	ELECTRICAL ENGINEERING	5	3.8
National	ELECTRICAL AND ELECTRONICS ENGINEERING	3	3.6
National	MECHANICAL ENGINEERING	8	3.4
National	ELECTRONICS AND COMMUNICATION ENGINEERING	5	3.6
National	BASIC SCIENCE AND HUMANITIES	7	3.2
National	COMPUTER SCIENCE AND ENGINEERING	5	3.3
No file uploaded.			

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
ENGINEERING AND TECHNOLOGY	4
No file uploaded.	

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
PDF Analysis of Different Channel Models in FSO	Chinmayee Panda, K. Pitambar Patra, Asutosh Padhy and Urmila Bhanja	Springer Nature Singapore Pte Ltd. 2020	2020	Nil	einstein academy of technology and management	Nil
QPSK Modulated Li Fi in Wireless Medium	Chinmayee Panda, Sambit Patnaik, K. Pitambar Patra, Asutosh Padhy, Ashisha Kumar Mohanty	International Journal of Engineering Research Technology (IJERT)	2020	Nil	einstein academy of technology and management	Nil



	and Sumit Kumar Choudhary					
PDF Analysis of Different Channel Models in FSO	Chinmayee Panda, K. Pitambar Patra, Asutosh Padhy and Urmila Bhanja	In book: Advances in Data Science and Management (pp.355-361)	2020	Nil	einstein academy of technology and management	Nil
Corridor wide Traffic signal optimization - A case study	Biswajit Mohanty	Adalya (web of science group-2) Multi-disciplinary	2020	Nil	Centurian Unviersity	Nil
Development of road network under PMGSY scheme - A case study	Biswajit Mohanty	Solid state Technology (Scopus) Multi-disciplinary	2020	0.3	Centurian Unviersity	Nil
Utilization of reclaimed asphalt as an effective unbound aggregate base course (WMM) material- A case study in INDIA	Biswajit Mohanty	Scopus (Q3 Journal) Multi-disciplinary	2020	Nil	Centurian Unviersity	Nil
Design of solar tree with photovoltaic panel using phyllotaxis phenomenon	Sasmita Kar Madhuchhanda Bhanja Deo Bhagabat Panda Bibhu Prasad Nanda Nandanandan Moharana	IEEE International Conference on Computational Intelligence for Smart Power System and Sustainable Energy (CISPSSE)	2020	Nil	einstein academy of technology and management	Nil

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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
Design of solar tree with photovoltaic panel using phyllotaxis phenomenon	Sasmita Kar Madhuchhanda Bhanja Deo Bhagabat Panda Bibhu Prasad Nanda Nandanandan Moharana	IEEE International Conference on Computational Intelligence for Smart Power System and Sustainable Energy (CISPSSE)	2020	Nil	Nil	einstein academy of technology and management
Utilization of reclaimed asphalt as an effective unbound aggregate base course (WMM) material- A case study in INDIA	Biswajit Mohanty	Scopus (Q3 Journal) Multi-disciplinary	2020	Nil	Nil	einstein academy of technology and management
Development of road network under PMGSY scheme - A case study	Biswajit Mohanty	Solid state Technology (Scopus)	2020	25	Nil	einstein academy of technology and management
Corridor wide Traffic signal optimization - A case study	Biswajit Mohanty	Adalya (web of science group-2)	2020	4	Nil	einstein academy of technology and management
PDF Analysis of Different Channel Models in FSO	Chinmayee Panda, K. Pitambar Patra, Asutosh Padhy and Urmila	In book: Advances in Data Science and Management (pp.355-361)	2020	Nil	Nil	Centurian University

	Bhanja					
QPSK Modulated Li Fi in Wireless Medium	Chinmayee Panda, Sambit Patnaik, K. Pitambar Patra, Asutosh Padhy, Ashisha Kumar Mohanty and Sumit Kumar Choudhary	International Journal of Engineering Research Technology (IJERT)	2020	Nil	Nil	Centurian Unviersity
PDF Analysis of Different Channel Models in FSO	Chinmayee Panda, K. Pitambar Patra, Asutosh Padhy and Urmila Bhanja	Springer Nature Singapore Pte Ltd. 2020	2020	Nil	Nil	Centurian Unviersity
No file uploaded.						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	0	45	14	8
Presented papers	3	8	2	0
Resource persons	2	1	0	0
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### 3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Plantation Programe	NSS Unit, EATM and Dept. of Forest and Animals. Govt. Of Odisha	24	104
Women Awareness And Atrocity Camp	ESSG NSS, EATM	17	87
Blood Donation Camp/ Jeevan Bindu Programe	ESSG NSS, EATM and Red Cross, Khordha	14	174

Awareness for Gender Equity	ESSG NSS, EATM and Red Cross, Khordha	26	112
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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
BLOOD DONATION CAMP	Certificate of Appreciation	KHORDHA GOVT HOSPITAL	22
BLOOD DONATION CAMP	Certificate of Appreciation	Red Cross Society, Khordha	45
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Free Dental Check Camp	Kalinga Institute Of Dental Science	Free Dental Check Camp	14	118
International Women's Day	ESSG, KHORDHA	International Women's Day	17	85
Programme on Beti Bachao and Beti Padhao	ESSG, KHORDHA	Programme on Beti Bachao and Beti Padhao	12	78
Observation of National Voters Day	ESSG, KHORDHA	Observation of National Voters Day	18	82
Awareness on Women atrocity and its prevention	ESSG, KHORDHA	Awareness on Women atrocity and its prevention	14	57
Women empowerment, A challenge	ESSG, KHORDHA	Women empowerment, A challenge	14	65
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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	All Students	Institute/Self	30
Internship/Field Trip	All Students	Institute/Self	30
OJT	Final Year Students	Institute/Self	60
No file uploaded.			

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	Aulia Infrastructure And Readymix India Pvt Ltd	Janla Rd, Bhubaneswar, Odisha 752054	01/07/2019	30/06/2020	24
On Job Training	Technosys Instruments And Equipments Limited	205, S.A Arcade, 2nd floor, 24th Main Rd, 5th Phase, J P Nagar Phase 5, JP Nagar, Bengaluru, Karnataka 560078	01/07/2019	30/06/2020	32
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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
AULIA INFRASTRUCTURE AND READYMIX INDIA PVT LTD	25/11/2019	INTERNSHIP	28
CALYXPOD TALENT SOLUTION PVT LTD	25/07/2019	INTERNSHIP	47
CADDESK, PATIA ,BHUBANESWAR	16/09/2019	INTERNSHIP	36
RLG REVERSE LOGISTIC INDIA, DWARAKA, NEWDELHI	24/12/2019	PROJECT	16
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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
10000000	7223894

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Number of important equipments	Existing

purchased (Greater than 1-0 lakh) during the current year	
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
No file uploaded.	

#### 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
Soft Lib	Fully	3.2.0	2009

##### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	2230	707764	0	0	2230	707764
Reference Books	2230	743896	132	2362	2362	746258
e-Books	500	0	0	0	500	0
Journals	98	0	0	0	98	0
e-Journals	2	120646	0	0	2	120646
Digital Database	0	0	0	0	0	0
CD & Video	995	0	0	0	995	0
Library Automation	1	0	0	0	1	0
Weeding (hard & soft)	0	0	0	0	0	0
Others(s pecify)	0	0	0	0	0	0
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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	Date of launching e-
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		is developed	content
NA	NA	NA	Null
No file uploaded.			

#### 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	350	231	350	2	2	45	14	52	0
Added	103	30	103	10	28	5	4	20	0
<b>Total</b>	<b>453</b>	<b>261</b>	<b>453</b>	<b>12</b>	<b>30</b>	<b>50</b>	<b>18</b>	<b>72</b>	<b>0</b>

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

72 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
Class Room Lecture	<a href="https://nptel.ac.in/">https://nptel.ac.in/</a>

#### 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
50000000	42496576	8000000	7223894

##### 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)

Besides, the Academic planning committee of the institution, it has specific other mechanism for maintaining and utilizing physical support for academic and non academic development in various ways such as The College ensures the availability of latest equipment and up-to-date infrastructure in the campus. There is a systematic procedure for the purchase as well as maintenance of these infrastructural facilities including all sorts of equipment which is as follows: Administrative Block: • Submission of requirement in the form of a proposal • Evaluation by Purchase Committee and Maintenance Committee • Approval by the Principal o Call for quotations and verification of prices and availability of the items o Approval from the Management • At the end of financial year stock verification is undertaken for various departments and a detailed report is compiled. Based on this policy the perspective plan for the maintenance, repair, writing off and purchase of relevant infrastructure facilities is formulated(refer web site) • The College Administrative Officer regularly monitors and supervises the available infrastructure and ensures its upkeep, repair and other maintenance of the infrastructure. • There are various committees in the college which are dedicated to the maintenance and upkeep of the institution. These include Cleanliness Committee, Campus Beautification Committee, Eco Club etc. Class Rooms and Laboratories: • The Institution has

uncluttered, commodious and well furnished dedicated class rooms with at least twelve rooms equipped with LCD projectors along with internet connectivity for effective teaching and learning for each department. • Laboratories of all departments are well equipped with all equipment and machines as per the guidelines of the statutory bodies to illustrate the use of theoretical knowledge and information Computer Lab. /Center: • There are in charges of various computer labs, multimedia lab, home sc. lab, sculpture lab, textile workshop, carpentry workshop, fine arts studio, sound studio, music recording room, CAD Lab and Chroma studio who are wholly responsible for the maintenance and upkeep of inventories and stock. They maintain a stock register and conduct annual stock checking of their respective departments. Central Library: • The institution has a central library which consist more than 20000 Text books, 3500 Text books and 950 Research journals/papers/magazines etc. There are two wings of library in the college Main Library and e Library with separate in charges. They regularly monitor the condition of the library stock, maintain rare books collection, coordinate the timing of issue and collection of books, issuing of library cards and identity cards. The Librarian channelizes the requirement of books and journals submitted by various head of departments and their timely purchase to facilitate the smooth running of the academic sessions. The sports Complex: The institution has a sports complex which consists both indoors and out door games, and a sports officer and two Physical education teacher has been appointed in order to providing good quality of sports facility and services to the students in time .The Sports officer has regularly conducts trials for the fresher to encourage them to participate in sports activities,

<https://www.eatm.in/page.php?page=administrative-service>

## 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	UECT SCHOLARSHIP	2245	54850000
Financial Support from Other Sources			
a) National	PRERANA	917	48256400
b)International	NA	Nil	Nil
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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
Guidance for competitive examinations	12/11/2019	85	DISHA
Soft skill development	30/10/2019	142	CONFIDENCE FACTORY
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#### 5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year



Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Career counselling by ACE ACADEMY institute, Bhubaneswar	224	202	202	107
2020	Soft skill development	175	154	102	91
2020	Guidance for competitive examinations	264	217	198	105
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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
0	0	0

## 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
Lets Nurture, Wipro Infrastructure, Victor Tool, Tech Mahindra, Cognixia, Uplus Technology, Ramsays Corporation, USM business Pvt Ltd, E Tech Global, PASHUPATI ISPAT, BHUPENDRA STEELS, ATHARVA FOUNDRIES, RESEARCH INN, PARAGON DIGITAL, TECHNOSYS, BSA	373	185	SM Consultant, ELIXIR WEB SOLUTIONS, ALIENS GROUP	168	45

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	124	Engineering And Technology	Mechanical Engineering, Civil Engineering, Computer Science Engineering, Electrical Engineering, Electronics And Communication Engineering, Electrical And Electronics Engineering	EatmBhubaneswar, KiitBhubaneswar, IgitSarang, CAPGS,BPUT, SOA UniversityBhubaneswar, VssutBurla	M Tech,Mba
2019	102	Engineering And Technology	Mechanical Engineering, Civil Engineering, Computer Science Engineering, Electrical Engineering, Electronics And Communication Engineering, Electrical And Electronics Engineering	EatmBhubaneswar, KiitBhubaneswar, IgitSarang, CAPGS,BPUT, SOA UniversityBhubaneswar, VssutBurla	M Tech,Mba

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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	18
Any Other	97

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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
RANGOLI(Online mode)	PG , UG , DIPLOMA	14

HINDI DEBATE(Online mode)	PG , UG , DIPLOMA	35
ENGLISH DEBATE(Online mode)	PG , UG , DIPLOMA	18
MEHENDI(Online mode)	PG , UG , DIPLOMA	25
ODIA DEBATE(Online mode)	PG , UG , DIPLOMA	12
POSTER PRESENTATION(Online mode)	PG , UG , DIPLOMA	52
SOLO SONG(Online mode)	PG , UG , DIPLOMA	35
SOLO DANCE(Online mode)	PG , UG , DIPLOMA	17
QUIZ(Online mode)	PG , UG , DIPLOMA	75
MEET THE PRESS(Online mode)	PG , UG , DIPLOMA	24
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### 5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	State level Award	National	1	Nil	1721322179	SK MUNA
2020	State level Award	National	Nil	1	1701322152	SRUTI NAYAK
No file uploaded.						

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

Students are the main stakeholders of an educational institution. Hence the participation of students in various academic and nonacademic activities is very much essential for the proper implementation of plans for the overall development of the institution. EATM has a Students' Association which was formed with the initiatives of the students. Generally the students who are good at studies, disciplined, having innovative ideas and hard working are the members of this association and three students from each department are the representatives to it. These students generate their ideas of their own or by considering the think tanks of their friends planned to do different curricular and non curricular activities which are generally regulated by themselves with the consultation of senior faculty members. The major activities of the above said Students' Association constitute the followings • Seminars • Quiz programs • Cultural events • National functions • Inter Intra department Competitions in fine arts, games and sports • Blood donation camp • Social activities like Swachhata Abhiyan, Voting Awareness Camps, and Flood Relief Camp etc. The financial support for all these activities is extended by the college itself. Other than the above activities, various committees are formed in the college where the students also represent: Academic Planning, Execution and Monitoring Committee: This committee plans, prepares, Integrates , executes and coordinates various academic activities in the college with boundary/ beyond of

the academic planner prescribed by the affiliated university and AICTE, New Delhi in order to monitor for creating and establishing a successful academic environment. Grievance and Redressal Committee: Any grievance, misconduct or misbehavior etc. on the part of students and as well as staff is brought to the notice of this committee for proper action. The Class representatives will be a part of this committee along with the teachers. Library Committee: At the beginning of each semester and at the end, the library committee seeks the feedback from the students in direct interaction regarding the requirement of both text and reference books. Further the committee goes through the suggestion box regarding the requirement of the library and with respect to that, advises on the purchase of library books required by the students and also advise on the improvements of the library facilities. Proctorial Committee: Proctorial system is implemented to mentor, guide and to give moral support to the students during their studies in the college. In this regard, students who are very much active and fast learners actively extend their help to the respective proctors for the overall development of the slow learners. Following this system the students feel comfortable and congenial to share their day-to-day wellbeing making their living cozy and enjoyable in the Premises. Anti Sexual Harassment Committee: The cell looks after the security and welfare of students and woman employees giving them a healthy ambience and making an effective work place. Hostel Development and Welfare Committee (Boys Girls): The committee looks after the hostel facilities, cleanliness and grievances of hostel boarders to stay safe and healthy giving due

## 5.4 – Alumni Engagement

### 5.4.1 – Whether the institution has registered Alumni Association?

Yes

The initiative to create the Central Alumni Association (CAA) and to make it functional has already been initiated by the institution. Last year, the institution has conducted its first alumni meet on 12th March 2017 and around 34 numbers of passed out students participated in that programme. In the above programme the bylaw with respect to the alumni association had been prepared and it was decided to finalize it in the next year alumni meet which is going to be held in the month of February 2018. The association has registered this year under society Act 1860 by duly approved by the competent authority. Activities during the last year meet: • First of all the alumni were welcomed to the college campus by the students of recent batches and followed by a cultural programme by the students of the institution. • On this occasion Er. Jagayanbalk Mohanty, a successful entrepreneur was invited as the guest of the occasion. • The alumni were encouraged to conduct the day long programme and celebrations of their own. Throughout the day they shared their field experiences and interacted with the students who are presently continuing their studies in the institution. • They shared their past experiences in this college and also guided the students about the challenges ahead of them. This cordial interaction gave immense self confidence to the students and they were quite inspired to do well in future in their own domains. • The alumni visited throughout the college campus and expressed their enthusiasm and jubilation over the recent development of their alma mater. They interacted with the juniors, motivated and suggested them to face the competitive world outside with all their guts and grits Alumni Contribution: • The alumni visit the college and deliver guest lecturers for the benefit of the junior students and share their live experience of facing the interviews and the frequently asked questions to improve the preparedness for the future drives. • The alumni are also the brand ambassadors of the institution and promote the image of the institution in the organizations, where they work. • During the academic year, prominent alumni were invited to address the students in the college. • The members of the Alumni in their formal and informal talks enlighten the students

with their varied work place experiences. • The alumni share information with the training and placement cell of the college and act as the go between their organization and their alma mater. • The alumni have donated a mini thermal fogging sprayer as a gesture of their love, affection and respect in the honour of their alma mater.

5.4.2 – No. of enrolled Alumni:

295

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

245000

5.4.4 – Meetings/activities organized by Alumni Association :

Meetings and motivational programmes are conducted through online mode for students.

## **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 believes in decentralization of powers and collective decision making to work effectively in a stress free manner which is very much encouraged by one and all. In this regard various committees like Academic Planning, Execution Monitoring Committee, Staff Council, Examination Committee, Sports Cultural Committee, Library Committee, Hostel Development and Welfare Committee (Boys Girls), Canteen Cafeteria Committee, Grievance, Redressal Committee, Disciplinary Action Committee, Website Updating Committee, Development Internet Facility Committee, Student Welfare, SSG (Social Service Guild) NSS (National Social Service) Committee, Research and Development Cell, Internal Audit Committee, Anti Sexual Harassment Committee, Anti Ragging Committee, Scholarship Committee, Purchase Committee, Guardian/ ParentTeachers' Meet Committee, Staff Welfare Committee, Time Table Committee, Unfair Means Controlling Committee, Training and Placement Committee, Anti Ragging Squad, Central Budget and Planning Committee, Academic Audit Committee, Academic Advisory Committee, Finance Committee, Proctorial Committee, Infrastructure Management Committee etc. have been formed with a senior faculty as Convener. Participative management Principal is the CEO of the institute. He is fully responsible for running the institute in a smooth way. He is the bridge between management and institute. He is responsible for reporting every events of the institute to the management. Under his leadership each and every academic as well as administrative events of the institute will carry on. Principal of the Institute carries the entire programme in two parts • Academic • Administrative

Major Academic Responsible Officers/Bodies: • Dean Academics: The dean academics another key point in the academic events. He will keep coordination among the Heads of the Departments. He is answerable to the principal for the quality of education imparted to the students by the departments. He should encourage the students and departments to conduct national and international seminars and workshops. • Heads of the Departments: HODs are responsible for running the departmental classes smoothly. He will distribute classes to the faculties of his department. He is answerable about any negligence shown by his fellow members in running the departmental activities like taking of classes and practical, preparation of question papers for terminal examinations, valuation of answer papers, conduct of seminars and workshops etc.

• Superintendent of Workshop: Workshop is a vital place in an engineering college where the students will learn the real engineering activities like welding, fitting, running of machines, etc. The students will handle dangerous

things like electricity and fire. He should be vigilant enough to take care of the hazards that may happen inside the workshop. He should maintain strict discipline inside the workshop. Taking care of the machines and tools is another vital responsibility of the workshop superintendent. For this he should engage the helpers appointed in the workshop. • .Director Examination: Timely conduct of university, internal examinations. Sending the answer scripts to the university. Valuation of internal examinations. Sending the progress report of the students to their parents. Registration of the students to the next semesters

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
Curriculum Development	<ul style="list-style-type: none"> <li>• The academic Council has emphasized on curriculum development and its up gradation as per prescribed by University as well as according to contemporary developments in science, technology, Management, Economic, and social systems</li> </ul>
Teaching and Learning	<ul style="list-style-type: none"> <li>• The Biju patnaik University is the largest technical university in India Rankings has accorded the University the 2nd Rank in countries. The second rank among all state c universities of the country. • Through the DST Inspire Fellowship, the University has been able to attract a number of scientists from abroad. The University continues to strike a fine balance between conventional subjects, of engineering, Pharmacy fine performing arts, emerging areas in biological ,applied sciences and architecture . According the syllabus and course curriculum has been designed by the BPUT</li> </ul>
Examination and Evaluation	<ul style="list-style-type: none"> <li>• There are around 2020 students are appearing in all semester (Odd/Even) examinations are conducted by the Department of Controller of Examinations (BPUT) per year. • The examination sections are involved at the stage of Pre Post Examinations to conduct the aforesaid examinations smoothly and transparent it , every year.</li> </ul>
Research and Development	<ul style="list-style-type: none"> <li>• To encourage and expedite the research activities among the faculty, students and research scholars. • The Research and Development (RD) Department has done number of initiative work for enhancing quality</li> </ul>

	<p>of service such as Conduction of Seminar/Conference /work shop making ,new projects (In house) with innovative way for creating a quality of research platform in college.</p>
<p>Library, ICT and Physical Infrastructure / Instrumentation</p>	<ul style="list-style-type: none"> <li>• The activities include the creation of ICT based infra structure in teaching learning and administration as well as up gradation of Technical laboratories, computer facilities. Besides this, the Institution planed to organize seminars, conferences etc. and to promote the research culture in the campus. Institution also planned to create sports and cultural infrastructure to increase the participation of the students in sports and cultural activities.</li> </ul>
<p>Human Resource Management</p>	<ul style="list-style-type: none"> <li>• The institution has a Human resource department headed by a senior HR Manager , who is looking as per the followings</li> <li>• Selecting adequate faculty and manpower through interview , by experts</li> <li>• Organization wide awareness about computer based information systems and e-governance environment to the faculties and staff for acquiring better skill through training.</li> <li>• Focused on resource allocation and mobilization</li> <li>• Executing 360 degree feedback upon non teaching personnel</li> <li>• Planning for fund Generation</li> </ul>
<p>Industry Interaction / Collaboration</p>	<ul style="list-style-type: none"> <li>• The entire department has invites number of Industries and agencies /projects, undertake research development programmes in the areas of SMART GRID Advanced Metering Infrastructure , solar project etc. in campus ( in house)</li> <li>• The Training and placement cell has interacted/invited with number of companies/ Entrepreneurs for signing MoU for the optimum placement (On/Off) of the students. As well as exchanging their ideas among the students.</li> </ul>
<p>Admission of Students</p>	<ul style="list-style-type: none"> <li>• The institution has taken students from the Online admission process conducted by JEE Main and OJEE every year for admission of students through BPUT Rourkela because this institution as an affiliated colleges of the said University.</li> </ul>

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

E-governace area	Details
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<p>Planning and Development</p>	<p>The institution has a number of specific plans and strategies for the purpose of achieving in next year</p> <ul style="list-style-type: none"> <li>• Institutional goals i.e. The Institution have a future plan to add new engineering and management courses.</li> <li>• Planned to run Post Graduate courses in other streams in Engineering</li> <li>• Planned to get the autonomous status from the statutory University.</li> <li>• Establish more research center for development of various research project work (in house) in Campus</li> </ul>
<p>Administration</p>	<p>The Institution has a self financing body and it is operated by Udaynath Educational and Charitable Trust, Nayapalli, Bhubaneswar. The trust having Governing Body and Advisory Body. by the advise and suggestion, chairman look after the administration through the principal, Deans Registrar, administrative officers etc. as per the organizational structure and norms of BPUT and Institution.</p>
<p>Finance and Accounts</p>	<ul style="list-style-type: none"> <li>• The institution has a self financing body, the prime collections are apart from the students directly, as prescribes of the tuition fees by the state Govt. of Odisha.</li> <li>• Besides that, it collects some donations from public/NGO and trust</li> <li>• The prime department, Finance and Accounts maintains utmost transparency and extent its cooperation to administrative and non administrative functions wholeheartedly.</li> </ul>
<p>Student Admission and Support</p>	<ul style="list-style-type: none"> <li>• As an affiliated institution, under BPUT, Raurkela, Odisha , this Institution has taken admission through the JEE Main and OJEE , conducted by Central Govt. and state Govt. respectively .Those students securing good marks and ranks , they are illegible for taking admission in college.</li> <li>• The Institution has provided all admission support related to their career counselling, and future related course curriculum and any doubts (If any) that should be cleared by the counselling. After admission, they are getting all types of support by the institution such as financial assistance from the student welfare fund, trust and Govt schemes, books from the library with free of cost , wifes of tuition fees etc.</li> </ul>



<b>Examination</b>	<ul style="list-style-type: none"> <li>As an affiliated institution of Bijupatnaik, University of Technology , all the semester examination of B.Tech and M.Tech has been conducted supervised by the Director of Examination BPUT, the center superintendent look after all the examinations as fair and transparent with maintaining confidential</li> <li>Besides that, the institution has also conducted all internal examinations and sends its marks to BPUT in time. All examinations are monitored by a committee for its proper conduction and evaluation in transparent way.</li> </ul>
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### 6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2020	Bibhu Prasad Nanda	2020 International Conference on Computational Intelligence for Smart Power System and Sustainable Energy (CISPSSE)	2020 International Conference on Computational Intelligence for Smart Power System and Sustainable Energy (CISPSSE)	5000
2020	Rakesh Kumar Barik	INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL AND INDUSTRIAL ENGINEERING (ICAMIE - 2020)	INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL AND INDUSTRIAL ENGINEERING (ICAMIE - 2020)	5000
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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)
2019	The Power of Influence in the Workplace	The Power of Influence in the Workplace	17/10/2019	17/10/2019	64	17

2019	Fundamentals of use of Ms Office	Fundamentals of use of Ms Office	25/11/2019	29/11/2019	12	21
2020	Why Administration is required for technical professionals	Why Administration is required for technical professionals	08/01/2020	08/01/2020	48	12
2020	Student counselling for improvement in career	Student counselling for improvement in career	24/03/2020	24/03/2020	72	22
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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
Solar Energy application	5	16/10/2019	16/10/2019	1
Rain water harvesting	8	16/12/2019	20/12/2019	5
Recent trends in mechanical Engineering	10	07/01/2020	10/01/2020	4
Use of virtual lab during Covid 19 pandemic	42	18/03/2020	20/03/2020	3
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
122	122	53	53

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
EPF,ESI,LOAN FACILITY,SWF	EPF,ESI,LOAN FACILITY	MERIT SCHOLARSHIP,UECT SCHOLARSHIP,SCHOLARSHIP FOR PHYSICALLY CHALLENGED STUDENTS

## 6.4 – Financial Management and Resource Mobilization

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

The Institution has a well defined mechanism to monitor effective and efficient use of available resources. The Planning and Evaluation committee obtains budgetary proposals on infrastructural and other requirement from each department. The committee after reviewing the proposal places it before the governing body. The governing body after assessing the projected income for an academic year and a thorough discussion allocates the budget to each department. Purchases are made with the recommendations of duly constituted purchase committee. The financial resources of the college are managed in a very effective and foolproof manner. Every transaction is supported by vouchers. All the collections are deposited in the bank and all expenditure, recurring and nonrecurring transactions, are incurred through cheques. Only duly authorized persons can operate the transactions through the bank. For effective check of the accounts, a twotier system is followed an Internal and external audit regularly. The external audit is done by a Chartered Accountant before the session comes to an end. The accounts of the institutions are audited by a chartered accountancy firm and after their audit they submit the balance sheet along with the audited report. The audit report is sent to the management for review. The auditors are appointed by the board of trustees and external audit is carried out once in a year.

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
Aultron Technology	100000	Student Improvement for technical education
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6.4.3 – Total corpus fund generated

6.8
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## 6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	NA	Yes	AAC
Administrative	No	NA	Yes	AAC

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

For all students, there was parent teacher meet was conducted twice in one academic session. The proposal for Parent Teacher association was initiated for better improvement of the students.
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6.5.3 – Development programmes for support staff (at least three)

Seminar on Accounting was conducted. Workshop on financial accounting was conducted. Training programme on fire fighting was conducted. All programs are conducted through online mode.
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6.5.4 – Post Accreditation initiative(s) (mention at least three)

<p>1.Teachers are encouraged to acquire higher qualification through research            2.Collaborative linkages with industry and institutes of research are undertaken and the process is going on. 3.Students are encouraged for NET, SLET,GATE and competitive examination and regular preparatory classes are</p>
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conducted with in house as well as guest faculties from eminent institutes and organizations. 4. Infrastructure as well as WiFi facilities are developed for the betterment of the students.

#### 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
2019	Webinar on Power Quality Issues and Management in Power Systemated with Renewable Energy System	01/11/2019	07/11/2019	07/11/2019	74
2020	Webinar on application of soft skill in career	25/12/2019	07/01/2020	07/01/2020	142
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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
Importance of women education in recent times	15/10/2019	15/10/2019	82	45
Awareness on Women atrocity and its prevention	13/11/2019	13/11/2019	62	37
Voting rights of transgender	18/02/2020	18/02/2020	92	21

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

## 7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	Yes	2
Ramp/Rails	Yes	3

## 7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	6	4	27/12/2019	5	SOCIAL DEVELOPEMENT PROGRAM MES	Safety precaution against thunderstorm, Abuse of child labour, Non Consumption of alcohol, Cleanness of village, Sanitization, Imparting adult education	850
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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)
Employee Hand Book Core Values	01/07/2019	For more details, the following link may be clicked. <a href="http://eatm.in/pdf/EMPLOYEEHANDBOOK-HR-POLICY.pdf">http://eatm.in/pdf/EMPLOYEEHANDBOOK-HR-POLICY.pdf</a>

## 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
CELEBRATION OF INDEPENDENCE DAY	15/08/2019	15/08/2019	20
CELEBRATION OF REPUBLIC DAY	26/01/2020	26/01/2020	90
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## 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1.Plantation 2.Rain water Harvesting 3.Solar Salvage 4.Garbage Compostisation / Dumping Yard 5.Water Treatment and Purification Plant 6.EWaste Management Recycling

## 7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Practice Number: 1 Emphasizing and streamlining on curricular growth of the beginners Practice Number: 2 Innovative Practices on Quality Assurance of Curriculum for Enhancing Quality Education

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

<https://www.eatm.in/page.php?page=best-practices>

## 7.3 – Institutional Distinctiveness

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

It is the major concern of the country and state as a whole for the utmost development and welfare of the backward section of the society. Priority has been given for the growth of the poor, downtrodden and backward classes. On the same footing, this institution has got its own vision and mission to provide affordable, job oriented, progressive and self reliant technical education to all segments of the society. To accomplish this, the following practices are being adopted • The institute takes initiation in promoting and motivating the intermediate students studying in remote, under developed and tribal areas of the state and other states and as well as economically backward class to choose engineering studies as their career. • The students as well as their parents are being impressed upon the different facilities provided by the Government like Prerana scholarship (Govt. of Odisha for SC, ST and OBC students), Medhabruti (Govt. of Odisha, for meritorious students), National scholarship for minority, physically disabled, wards of mine workers and cine workers, ekalyana provided by Government of Jharkhand etc. by which they get attracted to choose engineering domain. • Besides they are also assured to get financial support from the institution if they get themselves admitted here. Our institution provides a discount of around 5060 of boarding and fooding charges i.e. around twenty to twentyfive thousand rupees per annum. With respect to this the institute gets on around 150 to 200 students of these categories per year. • The students from such backgrounds generally don't have good depth in basics of different subjects like Physics, Chemistry, Mathematics and communicative English because they used to study in local languages and above all they do have limited exposure. Hence they are given some special attention by the institution to keep them at par the other students coming from urban areas. • To bridge the knowledge gap between the students, they are first taught about the intermediate subjects like Physics, Chemistry, Mathematics and special care is taken in Communicative English. • A group of slow learners (four to five) are assigned to an advanced learner of the same class to clear their doubts which create a better bonding, bringing up mutual progress for achieving bigger and better goals in life. • The institute adopts the proctor system from day one of a particular student by assigning him/her along with some classmates to a faculty from Basic Science and Humanities Department for the first year study. Later a faculty from the respective discipline becomes the proctor for the rest three years of study. • By adopting the above practice the institute is able to get a good number of students of poor and backward classes from both rural and urban areas many of them have secured less than 60 of marks in their intermediate career. We are trying to boosts of their self confidence and ultimately they become employable in their professional career.

Provide the weblink of the institution

<http://www.eatm.in/>

### **8.Future Plans of Actions for Next Academic Year**

1.Conduction of Seminar/Workshop through online mode 2.Promore research activities during Covid 19 Pandemic 3.Encourage faculty publications.