



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution		AJAY BINAY INSTITUTE OF TECHNOLOGY
Name of the head of the Institution		Dr. Leena Samantray
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		06712362012
Mobile no.		9861181558
Registered Email		abitew@yahoo.co.in
Alternate Email		iqac@abit.edu.in
Address		Plot No-11/A/1, CDA
City/Town		CUTTACK
State/UT		Orissa
Pincode		753014
2. Institutional Status		

Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Biswaranjan Rout
Phone no/Alternate Phone no.	06712362012
Mobile no.	9338150216
Registered Email	iqac@abit.edu.in
Alternate Email	abitew@yahoo.co.in

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://abit.edu.in/aqar2018-19//
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.bput.ac.in/academic-calendar.html

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	B	2.4	2016	05-Nov-2016	04-Nov-2021

6. Date of Establishment of IQAC	01-Jun-2015
---	-------------

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Internal Academic audit	06-Jan-2020 5	22
NBA initiatives	27-Sep-2019 1	22

Regular IQAC meeting	06-Mar-2020 1	22
Regular IQAC meeting	24-Dec-2019 1	22
Regular IQAC meeting	04-Nov-2019 1	22
Regular IQAC meeting	27-Sep-2019 1	22
Regular IQAC meeting	25-Jul-2019 1	21
No Files Uploaded !!!		

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
Prof. D. Swain & Prof. P. Samal	TEQIP3	MHRD	2020 5	245500
Prof. Ch Prasanjit Nanda	TEQIP-3	MHRD	2020 5	315000
Dr. D. K. Jesthi	TEQIP-3	MHRD	2020 2	230000
Prof. Subhalaxmi Mohapatra	TEQIP-3	MHRD	2020 1	204500
Dr. Leena Samantaray	TEQIP-3	MHRD	2020 2	330500
Dr. Leena Samantaray	TEQIP-3	MHRD	2020 2	330500
No Files Uploaded !!!				

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 :

5

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)

Organized TEQIP3 sponsored STTP programme on "Smart Grid Challenges Oppurtinities". Organized TEQIP3 sponsored Workshop on "Industrial Internet of Things" Organized TEQIP3 sponsored Seminar on " Recent Advances on Mechanical Engineering" Organized TEQIP3 sponsored Industrial Lecture on "5G Connecting everything". Organized TEQIP3 sponsored Seminar on "Implementation of Machine Learning Artificial Intelligence in data processing using MATLAB"

No Files Uploaded !!!

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
Faculty members from different departments are encouraged to attend Faculty Development Programmes, and Conferences at other reputed institutions	Faculty members have presented their research findings in different conferences. The networking with other resource persons have created platform for advanced learning. Leaves and other facilities provided by Institutions.
Formation of R & D Cell with full time faculty and research persons	The existing R & D Cell capacity is enhanced through engagement of one full time dean cum professor and one full time research assistant. New equipment like personal computers, software, testing instruments, sensors, processors ,etc are purchased for research into IOT fields
Training programmes like IOT for Electronics and Telecommunication, Computer Science, Electrical Engineering students	Many students of Electronics and Telecommunication, Computer Science, Electrical Engineering were placed in different organisations due to these skill development programmes.
Skill Development Programme like digital design and drafting courses like AutoCAD, CATIA and quality assurance training like NonDestructive Testing for mechanical engineering students	Students of mechanical engineering were placed in different organisations due to this skill development programme.
No Files Uploaded !!!	

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

Name of Statutory Body	Meeting Date
ABIT PMCA Trust Governing body	20-Apr-2021
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-May-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)	Partial: Tally for financial reporting, Custom software for student fee management, Library information system, Cloud hosted software for semester examination paper evaluation.

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

Ajay Binay Institute of Technology is affiliated to Biju Patnaik University of Technology, Odisha. The University has designed its own curriculum for all the programs and the curriculum prescribed by the University is followed. The Institute has been closely monitoring the teaching & learning process starting from lesson plans, class notes till the delivery and suggesting improvements based on the weekly academic review. Student feedback is taken after 1st internal examination; data is compiled and shared with the concern faculties for necessary improvement. Question papers for internal examination are prepared at par with the quality standard of university question papers. Technical question papers are discussed in separate classes conducted by each department for various for various competitive examinations like GATE and engineering service. Gap analysis of course curriculum is done and bridging of the gap is done by conducting seminars, workshops and technical sessions and by providing value added training. Industry oriented projects are done by students to provide hands on experience in industrial environment.

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
No Data Entered/Not Applicable !!!					

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
No file uploaded.		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
No Data Entered/Not Applicable !!!		

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

Certificate	Diploma Course
No Data Entered/Not Applicable !!!	

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
No Data Entered/Not Applicable !!!		
View File		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
No Data Entered/Not Applicable !!!		
View File		

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 goal of ABIT is to offer the best possible learning experience to its students to enhance their academic performance. The progress of the institute towards this goal is frequently evaluated by the stake holders feedback system. Student feedback system is an essential element of the learning process. It is one of the best ways to measure the class room performance of a teacher with the goal of improvement. Student feedback is collected twice within a semester from the students using OMR feedback form. Yes / No type questions are asked on timeliness, student teacher relationship, class preparation interaction, Subject explanation clarity, university question discussion etc. The software-Scalculates the percentage of the above criteria. The result of the feedback</p>

obtained from students are analyzed by Dean Academics/Principal. The minimum feedback for a faculty member from the students is 75. Faculty members scoring less than the institute standard are advised by Dean Academics/Principal about handling and monitoring the class to attend the faculty development programs. If there is no improvement seen, he/she can be terminated from the Institution. Alumni are asked on the course that they have learnt in the college in relation to their current job/occupation, educational resource, infrastructure and lab facilities, office staff, library staff members of the college, new tools learnt during job its application, ability to factor in sustainability, ethical health, public safety environmental issues in the solution developed by alumni, enhancement of qualification etc. Parents are asked on quality of academic resource overall personality development of their wards, infrastructural facility, placement activities conducted, mentoring facility in the campus, suggestions for improving the college as a college of excellence. Employers are asked on ability of our students to use work place equipment's, to solve work place problems, willingness to learn new techniques, adopt new ideas, innovativeness, creativity, simplicity and sense of belonging relationship with peers/subordinates , team spirit, communication skill soft skill, obedience and relationship with seniors, ability to contribute to the goal of the organization etc. Teachers of this institutions are asked Yes/No type questions on the course / syllabi taught have a good balance between theory applications , freedom to adopt new technique / strategies of teaching, college environment is conducive to teaching and research , administration is teacher friendly college provides adequate opportunities and support for upgrading the skill qualification of the faculty members , ICT facilities in the college are adequate satisfactory, Toilets/washrooms are clean properly maintained, class rooms are clean and well maintained, prescribed books are available in the library etc. The feedback collected from stake holders are consolidated, analyzed by an assessment committee headed by Principal/Dean Academics the necessary corrective measures are implemented after discussion with the college management.

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	Nill	Nill	Nill	Nill
View File				

2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	1013	270	90	14	14

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 Tools and resources	Number of ICT enabled	Numberof smart classrooms	E-resources and techniques used
----------------------------	--------------------------	-------------------------	-----------------------	---------------------------	---------------------------------

	ICT (LMS, e-Resources)	available	Classrooms		
90	Nil	Nil	14	Nil	Nil
No file uploaded.					
No file uploaded.					

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

Most of the students enter into the B.Tech program from various regions of the state having different learning experiences. They lack the knowledge of the complex landscape of the B.Tech program. The main objective of their previous education system was to obtain knowledge, while as a student engineer their objective is not only to obtain the knowledge but also to apply the acquired knowledge practically. Hence the mentoring system is an essential feature to provide unbiased services to all our students with various backgrounds. Mentoring system also provides professional socialization and personal support to facilitate success during the course and beyond. The mentoring process is divided into three groups. Proctors, mentors counsellors are the integral parts of this process. Student mentoring system has the following objectives:

- To enhance interpersonal relationship between teacher student
- To enhance the sincerity of the students regarding their academic performance
- To minimize student drop-out rates
- To identify and understand the problems of the slow learners and to help them
- To encourage the advanced learners
- To make the students aware of the current market scenarios opportunities
- To impart equitable services to students

The role of a Proctor is to help the students academically and non-academically. They are the source of guidance inspiration. A proctor is a role model for the students and always available to them at the time of their need. He is the legal guardian of a student inside the college campus. The main duties of a proctor are

- To identify the strength weakness of a student and help them to overcome their weakness
- To encourage the students continuously to participate in co-curricular/ extracurricular activities such as paper presentation, poster presentation, projects (based on current technologies) and sports activity.
- To insist the students to follow proper dress code and maintain discipline.
- To maintain records about student's academic progress and counsel them / support them to reach next level.
- Proctors may meet their students individually at least twice a month.
- Proctors should completely be aware of student's details like family back ground, economical status, education details etc. which will be useful for motivating / counselling them to solve their problem.
- Attendance percentage should continuously be monitored and students may be insisted to get the prior permission from the proctors to take leave.
- Proctors inform to the parents about their ward's progress in regular basis.
- Proctor should identify the student's talents and groom accordingly either to pursue for higher studies or getting placed with reputed company as per their career option.
- Every month proctors need to submit the report of their proctorial activity to the Principal / Dean Academic. The concept of mentoring and counseling are the unique approaches by the college to help the students academically, emotionally psychologically. Mentors are the senior faculty members with broad knowledge and experience. A mentor may help with exploring careers opportunities, setting goals, developing contacts, and identifying

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1283	90	1:14

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
90	90	Nil	1	15

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
No Data Entered/Not Applicable !!!			
No file uploaded.			

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
----------------	----------------	----------------	--	---

No Data Entered/Not Applicable !!!

[View File](#)

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

Internal assessment marks set as per university regulation is 50 for theory and 100 for lab subjects. Department conducts internal examination of two hours duration twice in a semester. Each test consists of about 50 of the syllabus and with a maximum marks of 60. Question papers are prepared from the question bank which is prepared by subject teacher prior to the start a semester. Two senior faculty members and HOD check the quality of the question paper and CO's(course outcomes) compliance and suggest any changes , if required. The internal examination is evaluated by subject teachers within 7days of completion of the examination. The result of the test is displayed in the notice board of department after showing to the students. The solution of the internal examination questions is provided to the students for better performance in the end semester examinations.

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

Academic calendar of BPUT is generally followed for conduct of Examination. Department prepares calendar of events of the department in college level. The calendar prepared by each department includes the activities planned like industrial visit, guest lectures, conduct of workshop, seminar, FDP, value added training for students, technical festival, poster presentation etc. The students and faculties adhere to the calendar of events of the college.

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)

No Data Entered/Not Applicable !!!

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
----------------	----------------	--------------------------	---	---	-----------------

No Data Entered/Not Applicable !!!

[View File](#)

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)

No Data Entered/Not Applicable !!!

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
No Data Entered/Not Applicable !!!				
No file uploaded.				

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
No Data Entered/Not Applicable !!!		

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
No Data Entered/Not Applicable !!!				
No file uploaded.				

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
No Data Entered/Not Applicable !!!					
No file uploaded.					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
No Data Entered/Not Applicable !!!		

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

Name of the Department	Number of PhD's Awarded
No Data Entered/Not Applicable !!!	

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)
No Data Entered/Not Applicable !!!			
View File			

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

Department	Number of Publication
No Data Entered/Not Applicable !!!	
View File	

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

Title of the	Name of	Title of journal	Year of	Citation Index	Institutional	Number of
--------------	---------	------------------	---------	----------------	---------------	-----------

Paper	Author		publication		affiliation as mentioned in the publication	citations excluding self citation
No Data Entered/Not Applicable !!!						
View File						

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						
View File						

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

Number of Faculty	International	National	State	Local
No Data Entered/Not Applicable !!!				
View File				

3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
No Data Entered/Not Applicable !!!			
View File			

3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
No Data Entered/Not Applicable !!!			
View File			

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
No Data Entered/Not Applicable !!!				
View File				

3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
No Data Entered/Not Applicable !!!			
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
No Data Entered/Not Applicable !!!					
View File					

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
No Data Entered/Not Applicable !!!			
No file uploaded.			

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
80	76.8

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
No Data Entered/Not Applicable !!!	
View File	

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
SMART LIB MANG SOFTWARE	Partially	Null	2009

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total
No Data Entered/Not Applicable !!!			
View File			

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			
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	410	250	70	30	0	10	50	200	0
Added	0	0	0	0	0	0	0	0	0
Total	410	250	70	30	0	10	50	200	0

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

200 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
No Data Entered/Not Applicable !!!	

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
10	15.57	80	76.8

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)

The supporting staff members are well trained for maintaining and utilizing physical, academic and support facilities. Maintenance of the instruments, class rooms, chair and benches, lighting system, LED projectors, conventional black boards, Buses, sports complex, canteen etc are carried out regularly and when necessary under the supervision of Project Manager. The Project Manager of the college is assigned give a weekly report to the Principal and the necessary corrective measures are implemented after discussion with the college management.

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Nil	Nil	Nil
Financial Support from Other Sources			
a) National	Nil	Nil	Nil
b) International	Nil	Nil	Nil

[View File](#)

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Yoga	09/03/2020	42	Brahmakumaris
No file uploaded.			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2020	GATE COACHING	2	Nil	Nil	Nil
No file uploaded.					

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
5	5	7

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
No Data Entered/Not Applicable !!!					
View File					

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
No Data Entered/Not Applicable !!!					
No file uploaded.					

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
No Data Entered/Not Applicable !!!	
No file uploaded.	

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

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		
No file uploaded.		

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
No Data Entered/Not Applicable !!!						
No file uploaded.						

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

The methodology for administration in ABIT is completely student centric. Involvement of each and all at their respective levels in the decision-making is ensured through decentralization and delegation of powers. Hence there are various institutional committees consisting of faculty, staff members and student representatives. Student representatives are becoming the active members of some committee like anti-ragging committee, co-curricular committee, library committee, students grievances redressal committee, women empowerment committee, cultural committee etc and imparting suggestions for improving the college as a college of excellence.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

No Data Entered/Not Applicable !!!

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

No Data Entered/Not Applicable !!!

5.4.4 – Meetings/activities organized by Alumni Association :

No Data Entered/Not Applicable !!!

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The Institute has a mechanism for delegating authority and providing operational autonomy to all the various functionaries to work towards decentralized governance system. In the academic year 2017-18, the governing body delegates all the academic and operational decisions based on policy to the mentors (Principal and Deans) headed by the Director in order to fulfil the vision and mission of the Institute. Faculty members are given representation in various committee and allowed to conduct various programs to showcase their abilities. Each department functions as a separate sub unit in deciding and implementing the student-centric programs and activities. They are encouraged

to develop leadership skills by being in charge of various academic, co-curricular and extra-curricular activities. Students are empowered to play an active role as coordinator of co-curricular (incubation centre) and extracurricular activities (NSS) and social group coordinator. The Institute promotes a culture of participative management by involving the staff and students in various activities. Both staff and students are allowed to express themselves of any suggestions to improve the excellence in any aspect of the Institute. The principal, Deans and staff members are involved in defining the policies and procedures, framing guidelines, rules and regulations pertaining to admission, placement, discipline, grievance, counselling, training, library services and development and effectively implementing the same to ensure smooth and systematic functioning of the institute. The faculty members attend the faculty development program, seminar, conferences in regular basis and they participate in sharing the knowledge by discussing on the latest trends in technology during faculty meeting. The Principal and Deans of the institution give suggestions and monitors the procurement, introduction of new programs and welfare activities of the institute. They are also responsible for academic, non-academic and administrative activities of the institution. Meetings are held periodically for discussing the issues and challenges, development aspect of the institute. The institute encourages students, parents, corporate resource persons, employers, alumni, staff to share their ideas, opinions, suggestions through proper channels i.e. through parent-teacher meet, alumni meet, faculty meeting, stake holders feedback system and other various committee meetings.

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

Partial

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	The students are taking admission through the centralized admission process conducted by council of OJEE, ODISHA. The number of students taking admission in this college has been on a rising trend.
Industry Interaction / Collaboration	Faculty and students are given ample scope for study tour to the nearby industries for better exposure through close interaction. • Site visits are organized by the respective departments to gain perspective of application of engineering disciplines in Industries. Regular visits happen from Electrical and Civil engineering departments to electricity distribution centres / relay stations, bridge construction and water supply management sites. • Seminars and workshops are conducted by inviting speakers from various industries and academia. • The Training and Placement department assists students to arrange industrial training and identify projects in industries.
Human Resource Management	Adequate no. of qualified teaching

and supporting staff are appointed through procedures of open advertisement, referrals, Demo interview by Expert committee. AICTE/Govt. of Orissa/BPUT rules and guidance is adhered to while appointing faculty and supporting staff. Faculty members are encouraged to attend seminars, short-term courses, etc to enhance their technical know-how and skill and also disseminate the information amongst their colleagues. They are also encouraged to pursue higher studies and appropriate leeway is provided for the same. Annual picnics, observance of Women's day, engineers day, teachers days, etc are done to make the work environment a happy and satisfied place to work in.

Library, ICT and Physical Infrastructure / Instrumentation

Various books have been procured to meet the demands of the enhanced curriculum as prescribed by the university, notably in the areas of 6000 Sqft, Number of Titles 6997 with total number of volume 29,394 and total number of E-Books is 2320. Library functions such as acquisition, cataloguing, circulation, serials control are automated using the software Smart Library Management. Computers in the library are connected through the LAN for information access as well as management. Library remains open from Monday to Saturday with timing 8AM to 7PM and Sunday with timing 9AM to 2PM. Incubation space has been provided to three start-ups. One of these start-ups is by a current student of our institute.

Research and Development

The Research and development team at the college has been working on the following areas • 3D printing and Advanced Materials • Internet of Things • LoRA/ZBee/BLE • Machine Learning, AI and Deep Learning using tools for image analytics and processing. • Solar PV, Smart Grid and Energy Storage The RD team comprises of a multi-disciplinary group contributing to research in the above selected focus areas. Students are also encouraged to be part of the RD cell. The institute has provided space for incubation. Technical assistance and help is also provided to them.

Examination and Evaluation

The university has computerized the evaluation process. Scripts are scanned

and bar-coded prior to evaluation. They are then evaluated by the faculty online. This has made the system transparent and quick. Results are declared on time and in case of any issues/concerns raised by student , the answer scripts can be referred to easily and concerns addressed quickly due to digital availability of answer scripts. At the institute level, very similar tests (as per university pattern) are conducted to acclimatize students' prior to appearing for university examinations. Quizzes and multiple choice questions, assignments are given regularly by subject teachers. Technical seminars have been introduced from second year onwards to make students confident and it also helps them in being aware about latest concepts beyond the curriculum

Teaching and Learning

Various steps have been taken to enhance the teaching and learning process. Some of them are: • Conduct of academic review on a weekly basis which ensures that course curriculum coverage, any issues in academics is addressed at the earliest • Workshops and seminars are conducted to update the students in latest technical trends and know how • Access to NPTEL videos and other online study materials provided to supplement the teaching process • Industrial visits are conducted to augment theoretical knowledge

Curriculum Development

The basic outline of the curriculum is provided by the university. At the institute level, enrichment of the same is done to increase and refine students understanding. • Gap analysis of students understanding and the pre-requisites for undertaking a course is done and corrective measures are taken. . For example, diploma students joining the course in second year face issues in mathematics as there are some courses required in engineering degree that they have not learnt in diploma. This creates an issue in clear understanding of advanced concepts. Special classes are conducted for them to align and integrate them with mainstream students. • Bridge courses are undertaken at the institute level for new students prior to initiating the engineering course curriculum. This

is termed as PREP • STEP has been introduced for the final and pre-final year students for market readiness. • Soft skills training and language training is provided to make students employment ready

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

E-governance area	Details
Planning and Development	Curriculum development and assessment, teaching and learning personnel management, student-parent issues, strategic planning and budgeting are executed through ICT.
Administration	Using college website and smart phone with inbuilt social apps like Gmail, Whatsapp etc students are informed about the scheduled academic, nonacademic activities regularly. Biometric attendance for staff and students, CCTV camera are highly helpful for easy and smooth administration.
Finance and Accounts	The college uses software for e-governance for transparent function of accounts section of the college. The college conducts regular audit of annual e-books of accounts and the administrative office keeps the financial records separately.
Student Admission and Support	The application process for admission is completely ON-LINE. Selection of candidates are based on merit list which is prepared on their performance in the entrance examination conducted by JEE Main. Registration, choice filling, temporary seat allotment, up gradation, choice locking and final seat allotment, application fee admission fee can be submitted on line. The application process for scholarship is also completely on line. Students are informed regarding the commencement of their classes, class test, internal assessment mark, remedial classes etc through college website and social apps.
Examination	The affiliated university has adopted ICT based examination system partially. Question papers are down-loaded from university web portal and printed for off line examination at examination centre. Subject registration and evaluation, provisional certificate distribution, grade sheet distribution etc are completely on-line.

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
No Data Entered/Not Applicable !!!				
No file uploaded.				

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)
No Data Entered/Not Applicable !!!						
No file uploaded.						

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
No Data Entered/Not Applicable !!!				
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
1	Null	2	Null

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>Sponsorship leaves are given for higher studies, FDP's and National/International Conferences. Life style coaching such as yoga and spiritual awareness programme are conducted.</p>	<p>Medical facilities through ESI Scheme and statutory requirements such as EPF facilities are given.</p>	<p>Students from socially backward and economically backward get scholarships from State Government. Every student gets insurance scheme offered by Biju Pattnaik University of Technology. Deserving candidates are given scholarship by the Institution.</p>

6.4 – Financial Management and Resource Mobilization

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

Finance committee is responsible for all financial activities and resource mobilization of the college. Student fee collection, funds for procurement of equipment, disbursement of salaries and remuneration are under the purview of this committee. The Governing council of the college conducts internal audit half yearly and a Certified C.A. conducts external audit annually. cash books, purchase invoices, bank statements, tax returns, daily collection register etc of the college are audited during audit

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
No Data Entered/Not Applicable !!!		
No file uploaded.		

6.4.3 – Total corpus fund generated

No Data Entered/Not Applicable !!!

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	PRINCIPAL
Administrative	Yes	BPUT	Yes	PRINCIPAL

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

1. Participation in IQAC 2. Participation in NBA initiatives 3. Curricular feedback

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

1. Domain specific training 2. Encouragement to go for higher studies 3. Health camp for drivers
--

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

1. Participation in TEQIP-3 programmes sponsored by MHRD. 2. Center for excellence in Collaborating research 3. Planning to going for accreditation by NBA
--

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!					
View File					

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
No Data Entered/Not Applicable !!!				

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
No Data Entered/Not Applicable !!!

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Null
Provision for lift	Yes	Null
Ramp/Rails	Yes	Null
Braille Software/facilities	No	Null
Rest Rooms	Yes	Null
Scribes for examination	Yes	Null
Special skill development for differently abled students	No	Null

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
No Data Entered/Not Applicable !!!							
No file uploaded.							

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

Title	Date of publication	Follow up(max 100 words)
No Data Entered/Not Applicable !!!		

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!			
No file uploaded.			

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

1. Plantation of trees.
2. Regular cleaning of campus
3. Solar lighting
- 4.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. The college has tried to bring innovations in Teaching-Learning process by adopting social platforms and using modern teaching tools. Students are advised to register for MOOCs and watch NPTEL and SWAYAM videos and give presentation to improve their communication skill. Department organises at least two workshops per semester to enable students in learning and realizing new and latest technology. 2. The college has created unique association with industries in day-to-day functioning as well as in long-term planning. The institute has signed MoU with many industries to develop industries supported laboratories and. these industries depute trainers to train the faculties and students of the college in a specific domain.

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

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

FINANCIAL SUPPORT TO STUDENTS FOR ACADEMIC EXCELLENCE The vision of the institution focuses on the welfare of the society through excellence in technical education. So college provides scholarship to bright students for consistent academic excellence. Students having more than 90 marks in their previous academic year are entitled to get scholarship of Rs 20,000/- per annum. Similarly students having more than 80, 70 and 60 marks are entitled to get Rs10,000/-, Rs 5,000/- and Rs 3,000/- as scholarship per annum respectively. The institution also encourages students to participate in technical skill development program, Entrepreneurship development program, interdisciplinary projects development program and to participate in national and international competitions and provides financial support to students for academic excellence.

Provide the weblink of the institution

8.Future Plans of Actions for Next Academic Year

The Institution has developed new practices to firm foothold to face the emerging challenges in technical education. There will be ample encouragement and organization of programmes for students and faculties in co-curricular and extracurricular areas to foster innovation. At 1st year level, a soft skill programme offered to the students coming from rural and vernacular background. This program will be offered with the help of career lunch and TP officer of the college. At 2nd year level, for all students employ ability Enhancement program of 40-60hrs will be offered. This 40-60 hours programs includes modules such as presentation Skill, Personality analysis, group discussion, higher studies opportunities, innovation and patenting Faculty members will motivate students to perform research based projects in various areas like 3-D printing, Advance material, storage cell, Photo voltaic cell, IOT etc. This also helps learning process by building intellectual competence of the students. Students are encouraged and supported to enroll for national creativity aptitude test (NCAT). Game based Teaching like Role Play, Quiz etc will be adopted. Experts from industry will be invited to deliberate industry relevance of the curricular topics and for informative sessions on latest technology. RD cell will organize

workshops, seminars on current research topics by inviting of eminent personalities from RD institutes. Department will organize different State/National level conferences, paper presentations project competition. ? Teachers effectively will make use audio visual aids to make learning a satisfying experience for the students. ? To motivate and improve placement ratio with help of Alumni. ? To sign more no of MOU with Industries as an to get sponsored projects Internship, Training of students. ? To initiate the outcome based Education, Monitor and implement it effectively. ? To motivate faculty for Industry-Interaction with objective to get sponsored projects and placement for students. ? Every class room and laboratory will be equipped with multimedia teaching aids which can be used to access any E-resource during lectures and lab sessions. ? More software's will be purchased and licenses will be upgraded as per requirement and also firewall antivirus software will be upgraded. ? College will go for NBA accreditation for three branches of B.TECH(Computer science and Engineering, Electrical Engineering and Mechanical engineering) and for MBA.