



YEARLY STATUS REPORT - 2021-2022

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 its own campus? **Yes**

- Phone no./Alternate phone no. **06712362017**
- Mobile No: **9861181558**
- Registered e-mail **abitew@yahoo.co.in**
- Alternate e-mail **iqac@abit.edu.in**
- Address **Plot No-11/A/1, CDA**
- City/Town **CUTTACK**
- State/UT **Odisha**
- Pin Code **753014**

2.Institutional status

- Affiliated / Constitution Colleges **Affiliated**
- Type of Institution **Co-education**

- Location **Urban**

- Financial Status **Self-financing**
- Name of the Affiliating University **BPUT, ROURKELA**
- Name of the IQAC Coordinator **Dr. Dipak Kumar Jesthi**
- Phone No. **9437449329**
- Alternate phone No. **06712362017**
- Mobile **9437449329**
- IQAC e-mail address **iqac@abit.edu.in**
- Alternate e-mail address **abitew@yahoo.co.in**

3. Website address (Web link of the AQAR (Previous Academic Year))

<https://abit.edu.in/wp-content/uploads/2023/07/AQAR-2020-21.pdf>

4. Whether Academic Calendar prepared during the year?

Yes

- if yes, whether it is uploaded in the Institutional website Web link:

<https://abit.edu.in/wp-content/uploads/2023/08/ACADEMIC-CALENDAR.pdf>

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B	2.4	2016	05/11/2016	04/11/2021

6. Date of Establishment of IQAC

01/06/2015

7. Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Nil	Nil	Nil	Nil	Nil

8. Whether composition of IQAC as per latest NAAC guidelines

Yes

- Upload latest notification of formation of IQAC

[View File](#)

9.No. of IQAC meetings held during the year 4

- Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? **Yes**

- If No, please upload the minutes of the meeting(s) and Action Taken Report No File Uploaded

10.Whether IQAC received funding from any of the funding agency to support its activities during the year? **No**

- If yes, mention the amount

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

1. Student Mentoring System 2. Pre Placement Training (PPT) 3. Centre of Applied Research 4. Regular Academic Reviews

12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/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.
Facilitate the R & D work in the Institute	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
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 EE, EEE, MECH, CIVIL were placed in different organisations due to this skill development programme.

13. Whether the AQAR was placed before statutory body? Yes

- Name of the statutory body

Name	Date of meeting(s)
Ajay Binay Institute of Technology and Piloo Mody College of Architecture Society Governing Body	14/04/2021

14. Whether institutional data submitted to AISHE

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 its own campus?	Yes
• Phone no./Alternate phone no.	06712362017
• Mobile No:	9861181558
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• Alternate e-mail	iqac@abit.edu.in
• Address	Plot No-11/A/1, CDA
• City/Town	CUTTACK
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• Pin Code	753014
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• Alternate e-mail address	abitew@yahoo.co.in				
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4.Whether Academic Calendar prepared during the year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://abit.edu.in/wp-content/uploads/2023/08/ACADEMIC-CALENDAR.pdf				
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Cycle 1	B	2.4	2016	05/11/2016	04/11/2021
6.Date of Establishment of IQAC			01/06/2015		
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Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
Nil	Nil	Nil	Nil	Nil	
8.Whether composition of IQAC as per latest NAAC guidelines			Yes		
• Upload latest notification of formation of IQAC			View File		
9.No. of IQAC meetings held during the year			4		
• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?			Yes		

<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded
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- Name of the statutory body

Name	Date of meeting(s)
Ajay Binay Institute of Technology and Piloo Mody College of Architecture Society Governing Body	14/04/2021

14. Whether institutional data submitted to AISHE

Year	Date of Submission
2021-22	03/03/2023

15. Multidisciplinary / interdisciplinary

Multidisciplinary

16. Academic bank of credits (ABC):

The Exam Section of the Institute records the credits earned by individual students throughout their learning journey each semester. The proctorial record maintains information regarding the progress of every student.

17. Skill development:

ABIT's Centres of Applied Research are Industry focused research centres based on a specific theme of Industry need. The centres identify solution requirements where engineering, computational and management techniques can be applied for resolving longstanding issues in an efficient and cost-effective manner. Centre of Research (CAR) Programmes for Skill Developments of students of all branches.

1. Automation & Robotics
2. Composite Materials
3. Data Science
4. Design & Prototyping
5. Energy Efficiency
6. Market Research
7. Standards & Governance

18. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

The Institute delivers the curriculum in the Indian language as suitable for the students. Subjects like FRCP, Universal Human Values, Essence of Indian Knowledge Tradition - I, etc. have been introduced in the curriculum and syllabus by the University.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

The institute focuses on Outcome-based education to promote the best teaching and learning process. For every subject, the course outcomes (COs) are mapped with the POs. Lesson plans are prepared before the commencement of the semester and it is duly approved by DAC after careful examination. The lesson plan encompasses the course outcomes. Question banks are prepared for each topic in the course based on the course outcomes and considering the university question pattern. Feedback is obtained from students, parents, alumni, and other stakeholders on the teaching-learning process with various parameters which are analyzed by the Dean academics/Principal. Attainment of COs, POs, and PSOs are calculated essential on specific rubrics, adopting direct assessment, and indirect assessment methods and corrective measures are taken for continuous improvement.

20.Distance education/online education:

Institute provides only full-time courses. Institute conducts a blended mode teaching methodology to enrich the learning process of students. Both offline and online mode teaching processes are adopted for a better understanding of students.

Extended Profile

1.Programme

1.1 9

Number of courses offered by the institution across all programs during the year

File Description	Documents
Data Template	View File

2.Student

2.1 1730

Number of students during the year

File Description	Documents
Data Template	View File

2.2

164

Number of seats earmarked for reserved category as per GOI/
State Govt. rule during the year

File Description	Documents
Data Template	View File

2.3

438

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	View File

3.Academic

3.1

93

Number of full time teachers during the year

File Description	Documents
Data Template	View File

3.2

93

Number of Sanctioned posts during the year

Extended Profile

1.Programme

1.1	9
Number of courses offered by the institution across all programs during the year	

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Data Template	View File

2.Student

2.1	1730
Number of students during the year	

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Data Template	View File

2.3	438
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	View File

3.Academic

3.1	93
Number of full time teachers during the year	

File Description	Documents
Data Template	View File

3.2	93
Number of Sanctioned posts during the year	
File Description	Documents
Data Template	View File
4.Institution	
4.1	30
Total number of Classrooms and Seminar halls	
4.2	351.79
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	359
Total number of computers on campus for academic purposes	

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

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.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://abit.edu.in/wp-content/uploads/2023/07/1.1.1-AOAR-2021-2022-SupportingDocument.pdf

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

The institution adheres to the academic calendar prepared by the University with which it is affiliated (BPUT, Rourkela). The institution conducts Continuous Internal Evaluation (CIE). The Institute performs Class Tests, Surprise Tests, and Quiz Tests for Internal Assessment as per the academic calendar given by the University (BPUT).

File Description	Documents
Upload relevant supporting documents	View File
Link for Additional information	https://abit.edu.in/wp-content/uploads/2023/07/Academic-Calendar-2021-22.pdf

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

09

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

28

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

1197

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

The institution provides value-added subjects like the Future Ready Contribution Program, Essence of Indian Knowledge, and Tradition, and Environmental Science in the curriculum for the holistic development of students as per the direction of the affiliated university (BPUT, Rourkela).

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

9

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Number of courses that include experiential learning through project work/field work/internship (Data Template)	View File

1.3.3 - Number of students undertaking project work/field work/ internships

1011

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

**1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders
Students Teachers Employers Alumni**

A. All of the above

File Description	Documents
URL for stakeholder feedback report	View File
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View File
Any additional information(Upload)	View File

1.4.2 - Feedback process of the Institution may be classified as follows

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://abit.edu.in/wp-content/uploads/2023/07/Feedback-Analysis-Report-2021-2022.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of sanctioned seats during the year

498

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

Focus on individual students

1. Motivating students to set multiple career goals to sustain their interest in the learning process.
2. Identifying uniqueness of each student, understanding the variations among students rather than lamenting them.
3. Equal attention on the student, his strengths and limitations, along with the subject matter.
4. Effective counselling based on the student's individual social and financial background.

Encouraging Advanced learners

1. Assigning complex design problems individually to enhance the problem skills of students.
2. GATE, PSU preparatory classes, Industry Led programs are arranged for advanced learners.
3. Advanced Learners are encouraged to participate in the hackathons, competitions organised in national levels.
4. They are encouraged to lead different student groups for organising different club activities.
5. Giving assignments to the students on topics beyond curriculum.

Mentoring slow learners

1. Remedial classes are conducted for late-joining lateral entry students with a separate time table to cover the syllabus up to their joining time.
2. Remedial classes are also conducted for lateral entry students in Mathematics, as they are found to be weak in Mathematics.
3. Class tests are conducted after a unit syllabus is completed and the slow learners are identified.

4. Remedial classes are conducted for these slow learners before the semester exams.

File Description	Documents
Link for additional Information	https://abit.edu.in/wp-content/uploads/2023/07/2.2.1-1.pdf
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
1460	93

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Project based Learning through Centre for Applied Research and Alumni-Student Interaction process. Institute organises Technical Talk/Expert Talk/Industrial Lectures on topics beyond the curriculum in each course in regular classwork, Conducts different lab experiments beyond the curriculum, Demonstrates of advanced topics beyond the curriculum by referring research journals and NPTEL materials.

To help students monitor and reinforce their learning

a) Conducting class tests from a previously circulated Question bank.

b) Guiding the students to solve previous GATE problems.

c) Demonstration of advanced topics beyond the curriculum by referring research journals and NPTEL materials

d) Encouraging students to work on different projects and participate in different national and state-level competitions over different platforms.

Use of Teaching-Learning techniques

a) Adopting to different learning styles of students such as verbal, visual, kinaesthetic, interpersonal etc., while planning the Teaching and Learning process as much as possible

b) Activity-based learning such as group tasks, participating in student seminars, poster competitions, hackathons etc.

Assigning a topic to the group of students and guiding them to give presentations.

File Description	Documents
Upload any additional information	View File
Link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/2.3.1-2021-22.pdf

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

The Excellent WI-FI enabled campus of ABIT has ensured that the best of the technologies be incorporated in teaching learning process. In addition to chalk and talk method of teaching, teachers of ABIT are easily using the IT enabled learning tools such as PPT, Video clippings, Audio system, online sources to expose the students for advance knowledge and practical learning. Teachers of ABIT are continuously encouraged for MOOCS, to watch NPTEL videos, SWAYAM videos, and English communication skills training videos and to refer online research paper, to adopt Mobile learning (m-learning) as e-learning to send/access course materials, Google classroom, Google meet, digital library, online interactions without time constraints for effective teaching and learning. Teachers of ABIT structure their course contents in the form of text, PDF and presentations on their respective Google classrooms. Teachers make announcements, track their students' performance and conduct quizzes and tests with this application. It is accessible through desktop/laptop and android mobile applications. Google meet is used to conduct online classes, meetings/webinars/workshops with students. Google meet is used to host a video session/lecture and record the session for later access. Teachers of ABIT prepare digital study materials and share the same with students for their reference. Teachers are

advised to prepare the digital study material and upload in college web site just after the completion of the class for students' reference.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	https://abit.edu.in/wp-content/uploads/2023/07/ict-2021-22.pdf

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

48

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	View File
Circulars pertaining to assigning mentors to mentees	View File
mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

93

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

18

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

1089

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

Mechanism of internal assessment

The Institute conducts the following assessments internally for each semester by using following rubrics.

THEORY MARKS-50 marks(Rubrics)

Q1 - QUIZ TEST -I - 2.5MARK Q2 - QUIZ TEST-2 - 2.5MARK ST-1 - SURPRISE TEST-1 - 2.5MARK ST-2 - SURPRISE TEST-2 - 2.5MARK A1 - ASSIGNMENT-1 - 2.5MARK A2 - ASSIGNMENT-2 - 2.5MARK

ATTENDANCE - 5 MARKS CT1 - CLASS TEST-1 - 15 MARKS CT2 - CLASS TEST-2 - 15 MARKS

LAB MARKS & SESSIONALS (100 MARK)

Rubrics:

EXPERIMENT WORK PLANNING AND EXECUTION-20

RESULTS & INTERPRETATION - 30

REPORT - 30

UNDERSTANDING ON THEORY RELATED TO EXPERIMENT - 20

File Description	Documents
Any additional information	View File
Link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/2.5.1-2021-2022.pdf

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time-bound and efficient

At the beginning of the semester, faculty members inform the students about the various components in the assessment process during the semester. The internal assessment test schedules are prepared as per the university and communicated to the students well in advance. The corrected answer scripts are verified by HOD to ensure the standard evaluation process. The corrected answer papers of the students are distributed to them for the verification by the students and any grievance is redressed immediately. The marks obtained by the students in internal assessment tests are displayed on the department notice board. Noting the values in observation and validating the theoretical aspects student must submit lab record regularly. Day to day performance of the students is assessed for every experiment which includes regularity, performance, viva and the promptness in submitting the record. For lab courses, the marks/grade scored by the student for each experiment is indicated in the observation/record. The independent learning, practical approach to the real-time applications is tested by viva voce for laboratory courses. For the quality of the projects, the evaluation is done by Project Review Committee along with the project guides.

Redressal of grievances at institute level:

Departmental Level: The continuous evaluation of students is carried out by faculty regarding theory lectures, labs, assignments, unit tests. Query if any is discussed with faculty and HOD

Redressal of grievances at University level: The queries related to results, corrections in mark sheets, other certificates issued by university are handled BY affiliated Universities - BPUT

File Description	Documents
Any additional information	View File
Link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/2.5.2-grievance-2021-2022.pdf

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

The College adopts Outcome based education rather than input oriented bell shaped curve of learning. The following mechanism is followed by the institution to communicate the learning outcomes to the teachers and students. Graduate attributes are described to the first year students at the commencement of the programme. At least five hours are spent by the teachers for introducing the subject to the Students. Learning Outcomes of the Programs and Courses are observed and measured periodically. Soft Copy of Curriculum and Learning Outcomes of Programmes and Courses are shared with the students and stakeholders. The importance of the learning outcomes has been communicated to the teachers in IQAC Meeting and Staff Meeting. The students are also communicated about the Programme outcomes, Programme Specific Outcomes and Course outcomes through Tutorial Meetings. Each department displays course outcomes of each subject, POs and PSOs of the program for the knowledge of students and other stake holders in the prime location of the departments.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://abit.edu.in/wp-content/uploads/2023/07/COS-2021-22-FINAL.pdf
Upload COs for all courses (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

The Programme outcomes, Programme specific outcomes and course outcomes of each and all departments are evaluated by the concerned department by adopting direct and indirect assessment and corrective measures are taken for improvement. After measuring the attainment of POs, PSOs, and COs, the strength of the students, as well as the pass percentage of the students is properly observed. We took utmost care in measuring the level of attainment of POs, PSOs, and COs and followed formal as well as informal mechanisms for the measurement of attainment of the outcomes. Even we took feedback from all the stakeholders in this respect and try to take necessary steps accordingly. The faculty records the performance of each student with the help of the specified course outcomes through a continuous evaluation process. The faculty provides home assignments to students, and conducts internal tests, viva voce, surprise tests, quiz, projects etc. in order to assess the Programme Outcomes and Programme Specific outcomes attained by each student. Key indicators of measuring attainment are

End Semester University Examination

Internal Assessment:

Practical Assessment/ External Assessment

Result Analysis

Internships and Placements

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://abit.edu.in/wp-content/uploads/2023/07/ATTAINMENT-LEVEL-2021-22.pdf

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

361

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://abit.edu.in/wp-content/uploads/2023/07/ABIT-RESULTS-2021-2022.pdf

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

<https://abit.edu.in/wp-content/uploads/2023/07/Student-Satisfaction-Survey-Form-2021-2022.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

6.5

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

2

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://abit.edu.in/wp-content/uploads/2023/07/3.1.13.1.2.pdf

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

12

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.2 - Research Publications and Awards

3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year

3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year

32

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year

4

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.3 - Extension Activities

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

Response: ABIT has a very active social activities and community connect cell, which works with students on sensitizing them on socially relevant issues and works with their contributions towards resolving items wherever possible.

The student volunteers visit neighboring localities and conduct various activities on regular basis for the development of the locality. In the last year the cell has executed the following programs.

- Tree plantation in Independence Day in the neighborhood

community as well as in the college campus.

- Traffic awareness among people during Road Safety week.
- Transgender awareness day in the neighborhood community on issues associated with their transition or identity.
- Blood Donor Day to raise awareness about the need to donate blood to increase the availability of safe blood and its products for patients in need in the neighborhood community and organize blood donation camp in the neighborhood community also. Blood donation camps in the college are regular activity whereby students and staff donate blood.
- Drinking water camp during the summer season in the neighborhood community.
- Swachh Bharat Abhiyan in the neighborhood community.

International day of Yoga and organize Yoga fest.

File Description	Documents
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/3.3.3- 3.3.4.pdf
Upload any additional information	View File

3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

3

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year(Data Template)	View File
e-copy of the award letters	View File

3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

20

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	View File

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

1740

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.4 - Collaboration

3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

104

File Description	Documents
e-copies of linkage related Document	View File
Details of linkages with institutions/industries for internship (Data Template)	View File
Any additional information	View File

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year

15

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

The infrastructure facilities and learning resources are categorized as under:

Learning Resources include resources and infrastructure required for library, laboratories, computer centre, class room teaching, events, meetings, and conferences.

Support facilities include hostels, non-resident students' centers, canteens, convocation hall, seminar halls, seminar hall, committee room, and sports grounds.

Utilities include safe drinking water, restrooms, and power generators.

Classes are scheduled for optimal utilization of the available physical infrastructure. Sharing of laboratory facilities is also encouraged between faculties. Apart from the central facilities, such as, Computer Center, Central Library, there are many laboratories that cater to students from other faculties.

- Physical Infrastructure to support student amenities is as follows.
- Classrooms
- Laboratories and workshop
- Reliable Power Supply (Hybrid Power System with 1.5KW Solar Power)
- Medical facilities Guest House
- Bank
- Incubation Centre
- ICT based Classrooms and seminar halls Auditorium
- Sports Ground
- Research and Project Labs

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/CRI-4.1.1-ADEQUATE-INFRASTRUCTURE.pdf

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

The Institute, with its academic structure, integrates sports and extra-curricular activities as essential components. This is done not only for participation but also for the assessment of students. It has adequate facilities for sports, games and cultural activities. Large playgrounds with provision for multiple games, such as Athletics, Cricket, Football, Hockey, Volleyball, Basketball, and Kho-kho. Facilities for outdoor and indoor sports and games that include badminton, volleyball, basketball, carom, table tennis, and chess also exist. Every year tech fests, hackathons, sports, and competitions are organized inside the institute premises.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/CRI-4.1.2-ADEQUATE-FACILITY.pdf

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

25

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

25

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/CRI-4.1.3-ICT-ROOMS_LMSGC_WEB.pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

135.57

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

Central Library:-

The library is the finest learning hub for students and employees in ABIT. The Institute Management System, often abbreviated as IMS, is an ERP software that helps the staff to direct online activities in our college. The activities and management of the library are also an integral part of this Institute Management System. The system dealing with library activities is referred to as AILMS (ABIT Integrated Library Management System). The function of AILMS is to manage the activities of the library through a computerized system.

The AILMS allows us to easily enhance new books, videos, and Page sources. Apart from that Books and student maintenance modules are also a part in this system, which helps to keep track of the students using the library. A detailed description of the books in the College Library is also available for the staff and students.

Annual expenditure on the purchase of books and subscriptions of journals is approximately 1.5 lakhs. At present the library has 29840 no of books, 7 no of print journals, and 3 no of e-subscriptions for the students and the employees. The library has a well-furnished reading room with 5 numbers of computers having Wi-Fi facilities.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://abit.edu.in/wp-content/uploads/2023/07/CRI-4.2.1-Library-Learning-Resources.pdf

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources **A. Any 4 or more of the above**

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

1.47

File Description	Documents
Any additional information	View File
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

102

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

IT facilities including Wi-Fi, in 2021-22 can be summarized as follows:

S1 No

Items

2021-22

1

No. of Computers

386

2

Bandwidth

1500 Mbps(6 no. of APs having each 200 Mbps & 1 APs having 300 Mbps)

3

Desktop Configuration

Core i3 & i5

4

Accessories(Printers)

37

5

Laptops

21

ABIT's IT Infrastructure are in extremely satisfying numbers and in a systematic setup for the students and employees to enhance their knowledge and research. This infrastructure plays a very vital role for our institute around the corners. Our IT facilities offer a complete system security for their users. It is very important that the colleges have a decent infrastructure with advanced well-equipped laboratories for the institute.

The following are the briefings about our IT facilities -

LAN Facility

There are 28 data network switches (Giga byte), 06 POE network switches for access points, CCTV Cameras. 200 Mbps of internet connectivity is shared across the campus, where 100 Mbps is shared for the students.

Server configurations in data center

There 01 server with Xeon 3.1 GHz, 04 GB Ram, 500 GB hard drive

with 5KVA Power backup.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/CRI-4.3.1-IT-INFRASTRUCTURE-2021-22.pdf

4.3.2 - Number of Computers

359

File Description	Documents
Upload any additional information	View File
Student – computer ratio	View File

4.3.3 - Bandwidth of internet connection in the Institution A. ? 50MBPS

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

180.33

File Description	Documents
Upload any additional information	View File
Audited statements of accounts.	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

The institution has structured and Well-developed system for maintaining and utilizing the available facilities. The institution has facilities like Class Rooms with LCD Projectors, Hardware and Software Laboratories, Counseling Room, Seminar Halls with Audio/Video Systems, Central Library, Department Libraries, Sports facilities, T&P

cell, electrical maintenance, equipment purchase procedures, transport facilities, water & wastage management,

Center of Excellence Lab, Grievance& redressal Cell, Wi-Fi connectivity etc.

The institution has its own policies and procedures to maintain the above mentioned facilities:

1. Physical Maintenance:

ABIT Engineering College has a Network administrator for addressing internet and networking problems, plumber, electrician to prevent break down of facilities such as Solar Power Distributer, lift, generator, Wi-Fi, etc.

Maintenance of Classrooms, furniture and Laboratories:

The Classrooms, laboratories, campus ground, staff and student's amenity areas, Tuck Shop, Cafeteria are

regularly cleaned and maintained by a supervisor. Supporting staff are allotted for housekeeping and security services. The classroom furniture's like benches, doors, chairs and blackboards are maintained regularly.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/CRI-4.4.2-ADEQUATE-INFRASTRUCTURE.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

722

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to institutional website	https://abit.edu.in/wp-content/uploads/2023/06/5.1.3-2021-22.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

1368

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

1368

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

324

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

1

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

4

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File

5.3 - Student Participation and Activities

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

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

00

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

All the events and co-curricular activities like Ignitron, Hackathons, Poster Presentations, Seminars, and Workshops are organized by student representatives. Students are also becoming members of anti-ragging committees and grievance redressal cells.

Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities

Internal Quality Assurance Cell - IQAC: IQAC cell involves student representatives in the development of quality culture in academic and other areas for the betterment of the students and institution. Anti- Ragging Cell: Student representatives in this cell create awareness about Anti Ragging and ensure a friendly environment between juniors and seniors students.

NSS Committee: It aims to involve the maximum number of students in NSS activities. Sports and Cultural Committee: Student representatives of this committee encourage and promote various sports and cultural activities. Grievances and Redressal Cell: Student Grievance Redressal Cell involves student representatives in resolving issues and grievances of students

File Description	Documents
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/IQAC-ABIT-MEMBERS-2021.pdf
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

ABIT has an alumni association that contributes significantly to the development of the institution through financial and/or other support services. Alumni talks are regularly organized by the institute to develop the skills and employability skills of the students. Alumni mentors guide the students in GATE and PSU preparations. Actively help the organization and management of extensive outreach activities of the Institute. Alumni are Active members of various academic and administrative bodies of the Institute. Conduct surveys to take feedback from all stakeholders and suggest improvements..Provide counseling to students for employment.Unique mentorship program by assigning expert alumni to guide the final year engineering students in their projects in distance mode.

File Description	Documents
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/5.4.1-2021-22-ALUMNI.pdf
Upload any additional information	View File

5.4.2 - Alumni contribution during the year E. <1Lakhs (INR in Lakhs)

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

GOVERNANCE:

The Governing body of the college is the supreme administrative body. It is constituted as per the norms fixed by AICTE, New Delhi, Affiliating University and Government of Odisha. The GB Provides continuous support for implementing the Vision, Mission and Values of the Institution. Approves plans for introducing new programs, student intake, maintenance and expansion of infrastructure, Chalks out establishment of state of art laboratories by constantly upgrading the technologies. GB meets frequently (at least twice in a year), reviews, approves the academic activities, budgets and all other supporting processes. The Institution excels in academics for more than 24 years due to the continuous review and improvement of quality policies under the effective leadership of GB and Principal. GB, Principal, Deans and HODs have key roles in design and implementation of the quality policies and plans.

The system is successfully decentralized for an improved governance and performance. The strategy and major decisions related to academic and administrative tasks are thoroughly discussed in the GB meeting. The decisions taken are executed by the Principal, different deans, HODs, IQAC, and conveners of different committees to ensure proper implementation of the policy approved in GB.

File Description	Documents
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/6.1.1-2021-22.pdf
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as

decentralization and participative management.

The system is successfully decentralized for an improved governance and performance. The strategy and major decisions related to academic and administrative tasks are thoroughly discussed in the GB meeting. The decisions taken are executed by the Principal, different deans, HODs, IQAC, conveners of different committees ensure proper implementation of the policy approved in GB.

The Principal is the administrative head of the institution. However, for effective administration

and efficient implementation of the academic activities, the institution has formed various committees and cells comprising of faculty members and stake holders.

The formation of institutional committees like Governing Body, Finance Committee, IQAC, HoD council, DAC, DAB, Anti- Ragging Committee, Internal Complaints Cell, Grievance and Redressal Committee, Committee for SC/ST, etc. is the result of decentralization of work and participative management.

The head of the institution periodically organizes meetings with HODs and senior faculty members for the improvement in academic activities, R & D activities, training and placement activities, curricular, co- curricular and extracurricular activities and establishment and up gradation of laboratories as per curriculum.

At the department level, the HODs decentralize administrative/academic activities by assigning responsibilities to faculty members.

File Description	Documents
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/6.1.2-2021-22.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Response:

The institute has developed a strategic plan in the academic year 2018-19 for five years with the help and suggestions from all the stakeholders. The strategic goals of this plan were:

Strategy -1: Good Governance

Strategy-2: Industry & Institute Collaborations

Strategy-3: Teaching and Learning

Strategy-4: Infrastructure and facilities

Strategy-5: Training & Placement, Internships & Career

Strategy-6: Research & Development

Strategy -7: Accreditation & Certification

Strategy-8: Autonomous Status

Strategy-9: Library & information centre

Strategy-10: Entrepreneurship

Strategy-11: Alumni engagement and interaction

The institution has 18 committees which work constantly towards overall development of students.

High level committees constitute governing body, statutory body, Principal, Deans, HODs, IQAC and various low-level committees ensure overall development and growth of Institution along policy monitoring. Bottom-up approach ensures decision making, policy making, and overall development to be in synchronization and inclusion of teachers, administration staff at all levels for institution growth. Successful implementation of the processes is monitored at various levels by evaluating the students' performance by teachers, teachers' performance by HOD and HODs' performance by the Deans & Principal. The co-ordination of IQAC in the various monitoring processes also helps in the review processes.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/6.2.1-1.pdf
Upload any additional information	View File

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

SERVICE RULES

1. Staff joined the institution worked in a probation period of one year.
2. Service can be extended further, or may be terminated basing on his/her performance.
3. A notice of three months on faculty side is required for relief / termination of service or on payment of three months' salary in lieu thereof, and in case of failure on their part to do so, the management will be entitled to recover the requisite amount either by withholding his/her salary to that extent.
4. He/ She shall be eligible for increment only on completion of probation and regular increment would be on 'appraisal of performance' by superiors periodically.
5. He/ She shall work and discharge his/her duties assigned to him/her from time to time to his/her superiors.
6. He/ She shall not be permitted to leave the institution during the academic year.
7. The services of the faculty members will be governed by the Standing Orders / Rules and Regulations of the Institution as well as regulatory bodies such as AICTE and Affiliating University.
8. The faculty shall prepare placement plan and strategic actions for placing the students with the prior approval of the Principal.

9. As a mentor, the faculty is required to take care of students / monitor their progress on regular basis and maintain their database.

10. The faculty shall involve in any other task assigned to him by the Director/Principal , the Head of department and Deans beyond the regular task.

File Description	Documents
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/6.2.2-2021-22.pdf
Link to Organogram of the Institution webpage	https://abit.edu.in/wp-content/uploads/2023/07/6.2.2-2021-22.pdf
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination **A. All of the above**

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user interfaces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

Response:

The Management is always having a softer and humanitarian

outlook towards its staff irrespective of teaching or non-teaching. It initiates several welfare measures for the staff well-being to maintain high motivation levels among its employees.

Staff members are well supported with Employee Provident Fund Contribution and gratuity, from the Management. There is a provision for Study-leave for pursuing higher studies after providing a stipulated period of service. Women staff members are provided with maternity leave.

Free transportation is provided to all staff members. Considerable fee concessions are given to the children of employees if they will show the interest.

Free refreshments like tea and coffee are offered to all employees if they are scheduled to stay in

the campus for the overtime, if there is some extra work to do. Picnics are arranged for staff recreation once in a year. Cordial and employer friendly environment is created to give job satisfaction to the employees. Faculties are provided with appreciation after completing PhD.

Duty Leave, medical Leave, Casual leave is provided to the faculties for various purpose. On duty leave is provided for faculties for research activities as per the requirements.

File Description	Documents
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/6.3.1-EPFO-2021-22.pdf
Upload any additional information	View File

6.3.2 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

51

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

05

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

The first type is the Students' Evaluation of Staff, where students provide feedback on teachers' performance, covering a range of parameters such as subject knowledge, communication skills, classroom management, and prompt syllabus completion. This evaluation occurs mid-semester and holds a maximum value of 50 marks.

The second type is the Self-appraisal of Staff, where faculty members assess their own performance, considering factors like class conduct, development of lab materials, participation in co-curricular activities, and support in product development. They rate themselves on a scale of 150 marks and also take into account their involvement in conferences, workshops, and guest lectures, as well as their contribution to the improvement of departmental facilities and student mentoring.

The Head of Department (HOD) conducts the third type of evaluation, monitoring the overall performance of faculty members. The HOD rates them on a ten-point scale, considering various aspects such as teaching load, innovative teaching methodologies, student counseling, pass percentages, and guidance in student projects. Other factors include involvement in career orientation, remedial classes, curriculum development, and continuous learning through online certification courses.

The fourth type is the Principal's Evaluation, where the principal assesses the overall performance of faculty members

using a ten-point scale. This evaluation is also extended to non-teaching staff, focusing on parameters such as punctuality, discipline, performance, skill improvement, and maintaining organized records.

These evaluations provide a comprehensive assessment of staff members' performance, helping to identify strengths, areas for improvement, and opportunities for professional development.

File Description	Documents
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/6.3.5-2021-22-appraisal.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

The college has a mechanism for internal and external financial audits. Monitoring financial management practices is a significant process in the internal audit. An internal audit is carried out by the Finance Committee. The budget and statement of expenses are reviewed every quarter by the Finance Committee. The accounts of the college are audited each year by the External Qualified Chartered Accountant appointed by the ABIT-PMCA Society. The Audited Report by the external CA is placed before the governing body for wetting and rectification if any. The qualified remarks given by the auditors are taken into consideration in the forthcoming years.

File Description	Documents
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/6.4.1-AUDIT-REPORT-2021-22.pdf
Upload any additional information	View File

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

8.68

File Description	Documents
Annual statements of accounts	View File
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

The primary source of revenue generation is through the collection of tuition fees from students. The institution sets appropriate fees based on guidelines from the fee fixation committee of the Odisha state government.

Resource utilization is carefully monitored to ensure the effective allocation of financial resources for academic processes and infrastructure development. The institution plans the use of budgeted funds for each academic year and maintains reports on sanctioned budgets and actual expenses on a yearly and monthly basis. These resources are allocated according to the approved budget for various purposes.

A significant portion of expenditure is dedicated to employee salaries and benefits for teaching, non-teaching, and administrative staff. Each department submits estimates for

their specific requirements, which are analyzed and allocated accordingly. Funds are also used for infrastructure development and maintenance, including repairs, classroom upkeep, and administrative areas. The institution supports staff by providing financial assistance for attending conferences, workshops, and technical events.

Funds are allocated for student activities such as symposiums, competitions, seminars, and workshops. Winners of technical symposiums in other colleges receive travel allowances and registration fee support. Additionally, funds are utilized for laboratory equipment, consumables, machinery, furniture, library resources, software procurement, skill development, placement initiatives, power and fuel, campus maintenance, printing, stationery, taxes, licenses, sanitation, sports, and other miscellaneous expenses.

Through effective resource mobilization and utilization, the institution ensures the smooth functioning of academic processes, infrastructure, and student support services, creating an environment conducive to quality education.

File Description	Documents
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/6.4.1-AUDIT-REPORT-2021-22.pdf
Upload any additional information	View File

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

The establishment of the Internal Quality Assurance Cell (IQAC) in 2016 aimed to oversee the quality of services provided by the institution to its stakeholders. A dedicated IQAC committee, approved by the governing body, was formed to implement quality assurance strategies and processes. The IQAC played a significant role in improving infrastructure, enhancing faculty competencies, and empowering students for employability.

One exemplary initiative of the IQAC is the implementation of a student mentoring system. Under this system, faculty members

mentor students on academic, professional, and career-related aspects, starting from the first year. A comprehensive record of students' academic, co-curricular, extra-curricular achievements, social activities, and parent meetings is maintained by faculty members appointed as counselors or mentors. Each mentor is responsible for a group of 30 students and conducts counseling sessions with them at least twice per semester. The mentoring system has resulted in improved attendance, academic performance, and students' readiness for placement training.

Another noteworthy initiative is the Pre Placement Training (PPT) program, which focuses on enhancing students' employability skills. PPT provides comprehensive training in communication skills, aptitude, reasoning, leadership, and technical competencies. The institution offers long-term PPT to all students starting from the third year, allocating dedicated time alongside regular academics. Final-year students receive advanced PPT even during semester breaks to boost their confidence for upcoming placements. The objective is to bridge the gap between corporate requirements and students' knowledge and skills, ultimately improving their employability.

File Description	Documents
Paste link for additional information	https://abit.edu.in/iqac-2/
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

The institute has a well-structured teaching-learning process with a robust methodology in place. The Teaching Learning Process is reviewed according to the guidelines set by the IQAC. Various activities, such as subject allocation, preparation of the Academic Administration Plan, cluster mentor meetings, and student mentoring, are meticulously planned by the faculty. Before implementation, these activities undergo thorough review. Once implemented, their progress is closely monitored, and outcomes are analyzed and discussed with the faculty concerned for further improvement.

To enhance the quality of education, the institute has

introduced Course Files as a quality improvement initiative. These files outline the objectives and teaching methods for each topic, ensuring that students meet the prerequisites of the course. At the beginning of the academic year, a well-defined plan is created for each topic, and the mapping of course outcomes with program outcomes is done. Course files have proven to be beneficial for students, providing clarity during teaching sessions.

Another initiative by the IQAC is the encouragement of students to enroll in NPTEL online certification courses. These courses allow students to explore new areas of interest beyond their regular college curriculum, making them more employable in the industry or preparing them for higher education. The online courses cover a range of topics and are offered for different durations.

File Description	Documents
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/6.5.2.pdf
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://abit.edu.in/wp-content/uploads/2023/07/6.5.3_compressed.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

ABIT has a strong ethical work culture that is based on inclusivity. It observes highest ethical standards in all its activities. Equal opportunities are provided to all individuals irrespective of gender, race, caste, color, creed, language, religion, political or other opinion, national or social origin, property, birth or other status.

Safety and Security

Well-trained and vigilant women Warden and Assistant Wardens appointed to the Girls Hostel in the campus.

Security checkpoints are provided at all campus entries and exits.

Rotational duty by all faculty members for discipline and security.

Strict implementation of Anti-Ragging measures and keeping the campus ragging free.

Awareness campaigns on women safety and gender sensitivity through street plays rallies and camps by the Community Connect Cell

Separate hostels are provided for girls with appropriate

security arrangements and hostel committees are formed to take care of the students.

Security guards are deployed at main gate and students with valid identity cards are allowed into the campus.

The college campus is under surveillance with CC cameras installed at prominent locations.

Women faculty members accompany girl students when they participate in outdoor activities or tours.

The college ensures social security through Anti-Ragging Committee and Grievance Redressal Committee.

File Description	Documents
Annual gender sensitization action plan	https://abit.edu.in/wp-content/uploads/2023/07/7.1.1.-FACILITIES-UPDATED-FINAL-1.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://abit.edu.in/wp-content/uploads/2023/07/7.1.1.-FACILITIES-UPDATED-FINAL-1.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

A. 4 or All of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Response:

ABIT follows a systematic waste management protocol to properly recycle and dispose of the wastes.

Solid waste management:

Large numbers of dustbins are placed at strategic spots for easy use of the people. Plastic and other non-degradable wastes are collected frequently. Segregation of waste from the dustbins is done in other locations specified by CMC and disposed thereof. Biological wastes from trees and plants are composted and used as manure. Leftover food, cooked wastes and vegetable wastes from canteen are used for feeding cattle in the nearby localities.

Liquid Waste Management:

The sewage water from throughout the campus is collected through the underground pipelines. The water, after proper sedimentation treatment, is utilized in the lawn and garden.

E-Waste Management:

Being a technical institute, ABIT confronts the problem strategically. Obsolete yet workable computers, printers and other equipment discarded by departments are donated to the schools and needy organizations.

The worn out computer hardware and electronic equipments are used for demonstration purposes as well as sold through scrap vendors. Students are also encouraged to find use of the discarded components in project works. The worn out UPS batteries are disposed through the scrap vendor as required by the state regulations.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	https://abit.edu.in/wp-content/uploads/2023/07/GreenAudit-ABIT-2021-2022.pdf
Any other relevant information	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

A. Any 4 or All of the above

- 1. Restricted entry of automobiles**
- 2. Use of Bicycles/ Battery powered vehicles**
- 3. Pedestrian Friendly pathways**
- 4. Ban on use of Plastic**
- 5. landscaping with trees and plants**

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	View File
Any other relevant information	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

Response:

Ajay Binay Institute of Technology takes various initiatives to promote an inclusive environment facilitating tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic, and other diversities. The Institute leaders are advised to know, how to create an inclusive environment in the institution. Feedbacks are obtained from students, teachers, staff members and other stake holders of the institution which are the most useful data for measuring inclusion. The institution brings tolerance and harmony among the students and staff by celebrating National and International Days, events and festivals like Independence Day, Republic Day, Teacher's Day, Children's Day, International Women's day, World Environment Day, Road safety Week, Blood donar Day, Annual Day, Gandhi Jayanti, International Yoga Day, Biswakarma Puja, Ganesh Puja, Saraswati Puja etc. (144 words)

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	View File

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

Response:

ABIT has a very active social activities and community connect cell, which works with students on sensitizing them on socially relevant issues and works with their contributions towards resolving items wherever possible. The student volunteers visit neighboring localities and conduct various activities on regular basis for the development of the locality. In the last year the cell has executed the following programs.

- Tree plantation in Independence Day in the neighborhood community as well as in the college campus.

- Traffic awareness among people during Road Safety week.
- Transgender awareness day in the neighborhood community on issues associated with their transition or identity.
- Blood Donor Day to raise awareness about the need to donate blood to increase the availability of safe blood and its products for patients in need in the neighborhood community and organize blood donation camp in the neighborhood community also. Blood donation camps in the college are regular activity whereby students and staff donate blood.
- Drinking water camp during the summer season in the neighborhood community.
- Swachh Bharat Abhiyan in the neighborhood community.
- International day of Yoga and organize Yoga fest.
- Develop reading skills of the students in vernacular medium primary schools in the neighborhood community.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	View File
Any other relevant information	View File

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized

A. All of the above

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Response:

Ajay Binay Institute of Technology celebrates/organizes National and International Commemorative Days, events and festivals like Independence Day, Republic Day, Children's Day, International Women's day, World Environment Day, Road safety Week, Blood donar Day, , Gandhi Jayanti, Netaji jayanti, National Girl Child day, International Yoga Day, No Smoking Day, World water Day, Biswakarma Puja, Ganesh Puja, Saraswati Puja , Makar Sankranti, Christmas Eve, Rashtriya Ekta Diwas, Van Mahotsav week, etc to recall the events or contribution of our leaders in building the nation. Thoughts of great Indian personalities are inculcated into the young minds through motivational speeches, talks, Presentations etc. Every year Teachers day is celebrated on September 5th recognizing the contributions and achievements of teachers, Engineers day on 15th September to recognize the achievements of various engineers. The Institute also celebrates International Youth day to mark the birth Anniversary of Swami Vivekananda.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Best Practice-1

1. Title of the Practice: EXPERIENTIAL LEARNING FOR THE STUDENTS THROUGH ABIT'S CENTRES OF APPLIED RESEARCH (CAR)

Objectives of the Practice: The centres identify solution requirements where engineering, computational and management techniques can be applied for resolving longstanding issues in an efficient and cost effective manner. The exercises will involve individual level learning and group level activities involving self-learning through guided online courses, formal classroom sessions, industry mentor sessions and hands on practical sessions. The students are expected to produce group Level artefacts, such as concept PPTs, white papers, journal/conference papers, blog content as well as working prototypes where applicable. Students are also expected to secure certifications in the skill areas and participate in seminars, workshops and competitions related to the area.

Best Practice -Two

1. Title of the Practice: ABIT-PERFORMANCE AND READINESS ENHANCEMENT PROGRAM

1. Objectives of the Practice

The main objective of this practice is to boost the understanding of students in basic science curriculum which has a direct connection to the engineering curriculum. This practice assesses the current understanding level of students in such subjects and helps them to reach the desired level of foundation before they get started on the engineering curriculum.

File Description	Documents
Best practices in the Institutional web site	View File
Any other relevant information	View File

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust

within 200 words

ABIT provides tremendous thrust and priority towards Excellence in technical and management education.

The vision of the institute is to promote quality teaching, exploration, research and facilitate holistic development of students that would help create capable technical man power needed for industry and academia.

The missions are the application of technical knowledge in collaboration with industry and institutions, to ensure an effective teaching on contemporary topics, to create centre of excellence and to establish partnership with local industries for collaborating, understanding and addressing real life technical challenges. In view of the vision and mission of the institution, all departments of ABIT are well equipped with latest equipments and experimental set ups in the laboratories to improve the teaching learning process. The program educational objectives (PEOs) of each program are established through consultation process and are published, disseminated in college website, HoD chamber, staff room, notice board, laboratories etc. All departments conduct workshop, seminars, and conferences on regular basis to enhance the knowledge of students with the latest technology. Centers for Applied Research in various interdisciplinary courses are setup to develop the student's ability to synthesize and envisage solution to real time problems through their immersion in the problem based activities.

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

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.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://abit.edu.in/wp-content/uploads/2023/07/1.1.1-AQAR-2021-2022-Supporting Document.pdf

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

The institution adheres to the academic calendar prepared by the University with which it is affiliated (BPUT, Rourkela). The institution conducts Continuous Internal Evaluation (CIE). The Institute performs Class Tests, Surprise Tests, and Quiz Tests for Internal Assessment as per the academic

calendar given by the University (BPUT).

File Description	Documents
Upload relevant supporting documents	View File
Link for Additional information	https://abit.edu.in/wp-content/uploads/2023/07/Academic-Calendar-2021-22.pdf

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

09

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

28

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

1197

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

1197

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

The institution provides value-added subjects like the Future

Ready Contribution Program, Essence of Indian Knowledge, and Tradition, and Environmental Science in the curriculum for the holistic development of students as per the direction of the affiliated university (BPUT, Rourkela).

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

9

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Number of courses that include experiential learning through project work/field work/internship (Data Template)	View File

1.3.3 - Number of students undertaking project work/field work/ internships

1011

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni

A. All of the above

File Description	Documents
URL for stakeholder feedback report	View File
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View File
Any additional information(Upload)	View File

1.4.2 - Feedback process of the Institution may be classified as follows

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://abit.edu.in/wp-content/uploads/2023/07/Feedback-Analysis-Report-2021-2022.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of sanctioned seats during the year

498

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

165

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

Focus on individual students

1. Motivating students to set multiple career goals to sustain their interest in the learning process.
2. Identifying uniqueness of each student, understanding the variations among students rather than lamenting them.
3. Equal attention on the student, his strengths and limitations, along with the subject matter.
4. Effective counselling based on the student's individual social and financial background.

Encouraging Advanced learners

1. Assigning complex design problems individually to

enhance the problem skills of students.

2. GATE, PSU preparatory classes, Industry Led programs are arranged for advanced learners.
3. Advanced Learners are encouraged to participate in the hackathons, competitions organised in national levels.
4. They are encouraged to lead different student groups for organising different club activities.
5. Giving assignments to the students on topics beyond curriculum.

Mentoring slow learners

1. Remedial classes are conducted for late-joining lateral entry students with a separate time table to cover the syllabus up to their joining time.
2. Remedial classes are also conducted for lateral entry students in Mathematics, as they are found to be weak in Mathematics.
3. Class tests are conducted after a unit syllabus is completed and the slow learners are identified.
4. Remedial classes are conducted for these slow learners before the semester exams.

File Description	Documents
Link for additional Information	https://abit.edu.in/wp-content/uploads/2023/07/2.2.1-1.pdf
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
1460	93

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Project based Learning through Centre for Applied Research

and Alumni-Student Interaction process. Institute organises Technical Talk/Expert Talk/Industrial Lectures on topics beyond the curriculum in each course in regular classwork, Conducts different lab experiments beyond the curriculum, Demonstrates of advanced topics beyond the curriculum by referring research journals and NPTEL materials.

To help students monitor and reinforce their learning

- a) Conducting class tests from a previously circulated Question bank.
- b) Guiding the students to solve previous GATE problems.
- c) Demonstration of advanced topics beyond the curriculum by referring research journals and NPTEL materials
- d) Encouraging students to work on different projects and participate in different national and state-level competitions over different platforms.

Use of Teaching-Learning techniques

- a) Adopting to different learning styles of students such as verbal, visual, kinaesthetic, interpersonal etc., while planning the Teaching and Learning process as much as possible
- b) Activity-based learning such as group tasks, participating in student seminars, poster competitions, hackathons etc.

Assigning a topic to the group of students and guiding them to give presentations.

File Description	Documents
Upload any additional information	View File
Link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/2.3.1-2021-22.pdf

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

The Excellent WI-FI enabled campus of ABIT has ensured that

the best of the technologies be incorporated in teaching learning process. In addition to chalk and talk method of teaching, teachers of ABIT are easily using the IT enabled learning tools such as PPT, Video clippings, Audio system, online sources to expose the students for advance knowledge and practical learning. Teachers of ABIT are continuously encouraged for MOOCS, to watch NPTEL videos, SWAYAM videos, and English communication skills training videos and to refer online research paper, to adopt Mobile learning (m-learning) as e-learning to send/access course materials, Google classroom, Google meet, digital library, online interactions without time constraints for effective teaching and learning. Teachers of ABIT structure their course contents in the form of text, PDF and presentations on their respective Google classrooms. Teachers make announcements, track their students' performance and conduct quizzes and tests with this application. It is accessible through desktop/laptop and android mobile applications. Google meet is used to conduct online classes, meetings/webinars/workshops with students. Google meet is used to host a video session/lecture and record the session for later access. Teachers of ABIT prepare digital study materials and share the same with students for their reference. Teachers are advised to prepare the digital study material and upload in college web site just after the completion of the class for students' reference.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	https://abit.edu.in/wp-content/uploads/2023/07/ict-2021-22.pdf

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

48

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	View File
Circulars pertaining to assigning mentors to mentees	View File
mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

93

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

18

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

1089

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

Mechanism of internal assessment

The Institute conducts the following assessments internally for each semester by using following rubrics.

THEORY MARKS-50 marks(Rubrics)

Q1 - QUIZ TEST -I - 2.5MARK Q2 - QUIZ TEST-2 - 2.5MARK ST-1 - SURPRISE TEST-1 - 2.5MARK ST-2 - SURPRISE TEST-2 - 2.5MARK A1 - ASSIGNMENT-1 - 2.5MARK A2 - ASSIGNMENT-2 - 2.5MARK

ATTENDANCE - 5 MARKS CT1 - CLASS TEST-1 - 15 MARKS CT2 - CLASS TEST-2 - 15 MARKS

LAB MARKS & SESSIONALS (100 MARK)

Rubrics:

EXPERIMENT WORK PLANNING AND EXECUTION-20

RESULTS & INTERPRETATION - 30

REPORT - 30

UNDERSTANDING ON THEORY RELATED TO EXPERIMENT - 20

File Description	Documents
Any additional information	View File
Link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/2.5.1-2021-2022.pdf

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time-bound and efficient

At the beginning of the semester, faculty members inform the students about the various components in the assessment process during the semester. The internal assessment test schedules are prepared as per the university and communicated to the students well in advance. The corrected answer scripts are verified by HOD to ensure the standard evaluation process. The corrected answer papers of the students are distributed to them for the verification by the students and any grievance is redressed immediately. The marks obtained by the students in internal assessment tests are displayed on the department notice board. Noting the values in observation and validating the theoretical aspects student must submit lab record regularly. Day to day performance of the students is assessed for every experiment which includes regularity, performance, viva and the promptness in submitting the record. For lab courses, the marks/grade scored by the student for each experiment is indicated in the observation/record. The independent learning, practical approach to the real-time applications is tested by viva voce for laboratory courses. For the quality of the projects, the evaluation is done by Project Review Committee along with the project guides.

Redressal of grievances at institute level:

Departmental Level: The continuous evaluation of students is carried out by faculty regarding theory lectures, labs, assignments, unit tests. Query if any is discussed with faculty and HOD

Redressal of grievances at University level: The queries related to results, corrections in mark sheets, other certificates issued by university are handled BY affiliated Universities - BPUT

File Description	Documents
Any additional information	View File
Link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/2.5.2-grievance-2021-2022.pdf

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

The College adopts Outcome based education rather than input oriented bell shaped curve of learning. The following mechanism is followed by the institution to communicate the learning outcomes to the teachers and students. Graduate attributes are described to the first year students at the commencement of the programme. At least five hours are spent by the teachers for introducing the subject to the Students. Learning Outcomes of the Programs and Courses are observed and measured periodically. Soft Copy of Curriculum and Learning Outcomes of Programmes and Courses are shared with the students and stakeholders. The importance of the learning outcomes has been communicated to the teachers in IQAC Meeting and Staff Meeting. The students are also communicated about the Programme outcomes, Programme Specific Outcomes and Course outcomes through Tutorial Meetings. Each department displays course outcomes of each subject, POs and PSOs of the program for the knowledge of students and other stakeholders in the prime location of the departments.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://abit.edu.in/wp-content/uploads/2023/07/COS-2021-22-FINAL.pdf
Upload COs for all courses (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

The Programme outcomes, Programme specific outcomes and course outcomes of each and all departments are evaluated by

the concerned department by adopting direct and indirect assessment and corrective measures are taken for improvement. After measuring the attainment of POs, PSOs, and COs, the strength of the students, as well as the pass percentage of the students is properly observed. We took utmost care in measuring the level of attainment of POs, PSOs, and COs and followed formal as well as informal mechanisms for the measurement of attainment of the outcomes. Even we took feedback from all the stakeholders in this respect and try to take necessary steps accordingly. The faculty records the performance of each student with the help of the specified course outcomes through a continuous evaluation process. The faculty provides home assignments to students, and conducts internal tests, viva voce, surprise tests, quiz, projects etc. in order to assess the Programme Outcomes and Programme Specific outcomes attained by each student. Key indicators of measuring attainment are

End Semester University Examination

Internal Assessment:

Practical Assessment/ External Assessment

Result Analysis

Internships and Placements

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://abit.edu.in/wp-content/uploads/2023/07/ATTAINMENT-LEVEL-2021-22.pdf

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

361

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://abit.edu.in/wp-content/uploads/2023/07/ABIT-RESULTS-2021-2022.pdf

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

<https://abit.edu.in/wp-content/uploads/2023/07/Student-Satisfaction-Survey-Form-2021-2022.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

6.5

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.2.1 - Number of departments having Research projects funded by government and

non-government agencies during the year

2

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://abit.edu.in/wp-content/uploads/2023/07/3.1.13.1.2.pdf

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year**3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year**

12

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.2 - Research Publications and Awards**3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year****3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year**

32

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year

4

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.3 - Extension Activities

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

Response: ABIT has a very active social activities and community connect cell, which works with students on sensitizing them on socially relevant issues and works with their contributions towards resolving items wherever possible.

The student volunteers visit neighboring localities and conduct various activities on regular basis for the development of the locality. In the last year the cell has executed the following programs.

- Tree plantation in Independence Day in the neighborhood community as well as in the college campus.
- Traffic awareness among people during Road Safety week.
- Transgender awareness day in the neighborhood community on issues associated with their transition or identity.
- Blood Donor Day to raise awareness about the need to

denote blood to increase the availability of safe blood and its products for patients in need in the neighborhood community and organize blood donation camp in the neighborhood community also. Blood donation camps in the college are regular activity whereby students and staff donate blood.

- Drinking water camp during the summer season in the neighborhood community.
- Swachh Bharat Abhiyan in the neighborhood community.

International day of Yoga and organize Yoga fest.

File Description	Documents
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/3.3.3-3.3.4.pdf
Upload any additional information	View File

3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

3

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year(Data Template)	View File
e-copy of the award letters	View File

3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

20

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	View File

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

1740

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.4 - Collaboration

3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

104

File Description	Documents
e-copies of linkage related Document	View File
Details of linkages with institutions/industries for internship (Data Template)	View File
Any additional information	View File

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year

15

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning. viz., classrooms, laboratories, computing equipment etc.

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

The infrastructure facilities and learning resources are categorized as under:

Learning Resources include resources and infrastructure required for library, laboratories, computer centre, class room teaching, events, meetings, and conferences.

Support facilities include hostels, non-resident students' centers, canteens, convocation hall, seminar halls, seminar hall, committee room, and sports grounds.

Utilities include safe drinking water, restrooms, and power generators.

Classes are scheduled for optimal utilization of the available physical infrastructure. Sharing of laboratory facilities is also encouraged between faculties. Apart from the central facilities, such as, Computer Center, Central Library, there are many laboratories that cater to students from other faculties.

- Physical Infrastructure to support student amenities is as follows.
- Classrooms
- Laboratories and workshop
- Reliable Power Supply (Hybrid Power System with 1.5KW Solar Power)
- Medical facilities Guest House
- Bank
- Incubation Centre
- ICT based Classrooms and seminar halls Auditorium
- Sports Ground
- Research and Project Labs

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/CRI-4.1.1-ADEQUATE-INFRASTRUCTURE.pdf

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

4.1.2 - The Institution has adequate facilities for cultural

activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

The Institute, with its academic structure, integrates sports and extra-curricular activities as essential components. This is done not only for participation but also for the assessment of students. It has adequate facilities for sports, games and cultural activities. Large playgrounds with provision for multiple games, such as Athletics, Cricket, Football, Hockey, Volleyball, Basketball, and Kho-kho. Facilities for outdoor and indoor sports and games that include badminton, volleyball, basketball, carom, table tennis, and chess also exist. Every year tech fests, hackathons, sports, and competitions are organized inside the institute premises.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/CRI-4.1.2-ADEQUATE-FACILITY.pdf

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

25

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

25

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/CRI-4.1.3-ICT-ROOMS_LMSGC_WEB.pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year

(INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

135.57

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

Central Library:-

The library is the finest learning hub for students and employees in ABIT. The Institute Management System, often abbreviated as IMS, is an ERP software that helps the staff to direct online activities in our college. The activities and management of the library are also an integral part of this Institute Management System. The system dealing with library activities is referred to as AILMS (ABIT Integrated Library Management System). The function of AILMS is to manage the activities of the library through a computerized system.

The AILMS allows us to easily enhance new books, videos, and Page sources. Apart from that Books and student maintenance modules are also a part in this system, which helps to keep track of the students using the library. A detailed description of the books in the College Library is also available for the staff and students.

Annual expenditure on the purchase of books and subscriptions of journals is approximately 1.5 lakhs. At present the library has 29840 no of books, 7 no of print journals, and 3 no of e-subscriptions for the students and the employees. The

library has a well-furnished reading room with 5 numbers of computers having Wi-Fi facilities.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://abit.edu.in/wp-content/uploads/2023/07/CRI-4.2.1-Library-Learning-Resources.pdf

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

1.47

File Description	Documents
Any additional information	View File
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Number per day usage of library by teachers and students (foot falls and login

data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

102

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

IT facilities including Wi-Fi, in 2021-22 can be summarized as follows:

Sl No

Items

2021-22

1

No. of Computers

386

2

Bandwidth

1500 Mbps(6 no. of APs having each 200 Mbps & 1 APs having 300 Mbps)

3

Desktop Configuration

Core i3 & i5

4

Accessories(Printers)

37

5

Laptops

21

ABIT's IT Infrastructure are in extremely satisfying numbers and in a systematic setup for the students and employees to enhance their knowledge and research. This infrastructure plays a very vital role for our institute around the corners. Our IT facilities offer a complete system security for their users. It is very important that the colleges have a decent infrastructure with advanced well-equipped laboratories for the institute.

The following are the briefings about our IT facilities -

LAN Facility

There are 28 data network switches (Giga byte), 06 POE network switches for access points, CCTV Cameras. 200 Mbps of internet connectivity is shared across the campus, where 100 Mbps is shared for the students.

Server configurations in data center

There 01 server with Xeon 3.1 GHz, 04 GB Ram, 500 GB hard drive with 5KVA Power backup.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/CRI-4.3.1-IT-INFRASTRUCTURE-2021-22.pdf

4.3.2 - Number of Computers

359

File Description	Documents
Upload any additional information	View File
Student – computer ratio	View File

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

180.33

File Description	Documents
Upload any additional information	View File
Audited statements of accounts.	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

The institution has structured and Well-developed system for maintaining and utilizing the available facilities. The institution has facilities like Class Rooms with LCD Projectors, Hardware and Software Laboratories, Counseling Room, Seminar Halls with Audio/Video Systems, Central Library, Department Libraries, Sports facilities, T&P

cell, electrical maintenance, equipment purchase procedures, transport facilities, water & wastage management,

Center of Excellence Lab, Grievance& redressal Cell, Wi-Fi connectivity etc.

The institution has its own policies and procedures to maintain the above mentioned facilities:

1. Physical Maintenance:

ABIT Engineering College has a Network administrator for addressing internet and networking problems, plumber, electrician to prevent break down of facilities such as Solar Power Distributer, lift, generator, Wi-Fi, etc.

Maintenance of Classrooms, furniture and Laboratories:

The Classrooms, laboratories, campus ground, staff and

student's amenity areas, Tuck Shop, Cafeteria are

regularly cleaned and maintained by a supervisor. Supporting staff are allotted for housekeeping and security services. The classroom furniture's like benches, doors, chairs and blackboards are maintained regularly.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/CRI-4.4.2-ADEQUATE-INFRASTRUCTURE.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

722

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided

by the institution / non- government agencies during the year

651

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to institutional website	https://abit.edu.in/wp-content/uploads/2023/06/5.1.3-2021-22.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

1368

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

1368

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees	A. All of the above
---	----------------------------

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

324

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

1

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

4

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File

5.3 - Student Participation and Activities

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

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

00

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

All the events and co-curricular activities like Ignitron, Hackathons, Poster Presentations, Seminars, and Workshops are organized by student representatives. Students are also becoming members of anti-ragging committees and grievance redressal cells.

Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities

Internal Quality Assurance Cell - IQAC: IQAC cell involves student representatives in the development of quality culture in academic and other areas for the betterment of the students and institution. Anti- Ragging Cell: Student representatives in this cell create awareness about Anti Ragging and ensure a friendly environment between juniors and seniors students.

NSS Committee: It aims to involve the maximum number of students in NSS activities. Sports and Cultural Committee: Student representatives of this committee encourage and promote various sports and cultural activities. Grievances and Redressal Cell: Student Grievance Redressal Cell involves student representatives in resolving issues and grievances of students

File Description	Documents
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/IQAC-ABIT-MEMBERS-2021.pdf
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

31

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

ABIT has an alumni association that contributes significantly to the development of the institution through financial and/or other support services. Alumni talks are regularly organized by the institute to develop the skills and employability skills of the students. Alumni mentors guide the students in GATE and PSU preparations. Actively help the organization and management of extensive outreach activities of the Institute. Alumni are Active members of various academic and administrative bodies of the Institute. Conduct surveys to take feedback from all stakeholders and suggest improvements.. Provide counseling to students for employment. Unique mentorship program by assigning expert alumni to guide the final year engineering students in their

projects in distance mode.

File Description	Documents
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/5.4.1-2021-22-ALUMNI.pdf
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)

E. <1Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

GOVERNANCE:

The Governing body of the college is the supreme administrative body. It is constituted as per the norms fixed by AICTE, New Delhi, Affiliating University and Government of Odisha. The GB Provides continuous support for implementing the Vision, Mission and Values of the Institution. Approves plans for introducing new programs, student intake, maintenance and expansion of infrastructure, Chalks out establishment of state of art laboratories by constantly upgrading the technologies. GB meets frequently (at least twice in a year), reviews, approves the academic activities, budgets and all other supporting processes. The Institution excels in academics for more than 24 years due to the continuous review and improvement of quality policies under the effective leadership of GB and Principal. GB, Principal, Deans and HODs have key roles in design and implementation of the quality policies and plans.

The system is successfully decentralized for an improved governance and performance. The strategy and major decisions related to academic and administrative tasks are thoroughly discussed in the GB meeting. The decisions taken are executed

by the Principal, different deans, HODs, IQAC, and conveners of different committees to ensure proper implementation of the policy approved in GB.

File Description	Documents
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/6.1.1-2021-22.pdf
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

The system is successfully decentralized for an improved governance and performance. The strategy and major decisions related to academic and administrative tasks are thoroughly discussed in the GB meeting. The decisions taken are executed by the Principal, different deans, HODs, IQAC, conveners of different committees ensure proper implementation of the policy approved in GB.

The Principal is the administrative head of the institution. However, for effective administration

and efficient implementation of the academic activities, the institution has formed various committees and cells comprising of faculty members and stake holders.

The formation of institutional committees like Governing Body, Finance Committee, IQAC, HoD council, DAC, DAB, Anti-Ragging Committee, Internal Complaints Cell, Grievance and Redressal Committee, Committee for SC/ST, etc. is the result of decentralization of work and participative management.

The head of the institution periodically organizes meetings with HODs and senior faculty members for the improvement in academic activities, R & D activities, training and placement activities, curricular, co-curricular and extracurricular activities and establishment and up gradation of laboratories

as per curriculum.

At the department level, the HODs decentralize administrative/academic activities by assigning responsibilities to faculty members.

File Description	Documents
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/6.1.2-2021-22.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Response:

The institute has developed a strategic plan in the academic year 2018-19 for five years with the help and suggestions from all the stakeholders. The strategic goals of this plan were:

Strategy -1: Good Governance

Strategy-2: Industry & Institute Collaborations

Strategy-3: Teaching and Learning

Strategy-4: Infrastructure and facilities

Strategy-5: Training & Placement, Internships & Career

Strategy-6: Research & Development

Strategy -7: Accreditation & Certification

Strategy-8: Autonomous Status

Strategy-9: Library & information centre

Strategy-10: Entrepreneurship

Strategy-11: Alumni engagement and interaction

The institution has 18 committees which work constantly towards overall development of students.

High level committees constitute governing body, statutory body, Principal, Deans, HODs, IQAC and various low-level committees ensure overall development and growth of Institution along policy monitoring. Bottom-up approach ensures decision making, policy making, and overall development to be in synchronization and inclusion of teachers, administration staff at all levels for institution growth. Successful implementation of the processes is monitored at various levels by evaluating the students' performance by teachers, teachers' performance by HOD and HODs' performance by the Deans & Principal. The co-ordination of IQAC in the various monitoring processes also helps in the review processes.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/6.2.1-1.pdf
Upload any additional information	View File

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

SERVICE RULES

1. Staff joined the institution worked in a probation period of one year.
2. Service can be extended further, or may be terminated basing on his/her performance.
3. A notice of three months on faculty side is required for relief / termination of service or on payment of three months' salary in lieu thereof, and in case of failure on their part to do so, the management will be entitled to

recover the requisite amount either by withholding his/her salary to that extent.

4. He/ She shall be eligible for increment only on completion of probation and regular increment would be on 'appraisal of performance' by superiors periodically.

5. He/ She shall work and discharge his/her duties assigned to him/her from time to time to his/her superiors.

6. He/ She shall not be permitted to leave the institution during the academic year.

7. The services of the faculty members will be governed by the Standing Orders / Rules and Regulations of the Institution as well as regulatory bodies such as AICTE and Affiliating University.

8. The faculty shall prepare placement plan and strategic actions for placing the students with the prior approval of the Principal.

9. As a mentor, the faculty is required to take care of students / monitor their progress on regular basis and maintain their database.

10. The faculty shall involve in any other task assigned to him by the Director/Principal , the Head of department and Deans beyond the regular task.

File Description	Documents
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/6.2.2-2021-22.pdf
Link to Organogram of the Institution webpage	https://abit.edu.in/wp-content/uploads/2023/07/6.2.2-2021-22.pdf
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user interfaces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

Response:

The Management is always having a softer and humanitarian outlook towards its staff irrespective of teaching or non-teaching. It initiates several welfare measures for the staff well-being to maintain high motivation levels among its employees.

Staff members are well supported with Employee Provident Fund Contribution and gratuity, from the Management. There is a provision for Study-leave for pursuing higher studies after providing a stipulated period of service. Women staff members are provided with maternity leave.

Free transportation is provided to all staff members. Considerable fee concessions are given to the children of employees if they will show the interest.

Free refreshments like tea and coffee are offered to all employees if they are scheduled to stay in

the campus for the overtime, if there is some extra work to do. Picnics are arranged for staff recreation once in a year. Cordial and employer friendly environment is created to give job satisfaction to the employees. Faculties are provided with appreciation after completing PhD.

Duty Leave, medical Leave, Casual leave is provided to the faculties for various purpose. On duty leave is provided for faculties for research activities as per the requirements.

File Description	Documents
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/6.3.1-EPFO-2021-22.pdf
Upload any additional information	View File

6.3.2 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

51

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

05

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

47

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

The first type is the Students' Evaluation of Staff, where students provide feedback on teachers' performance, covering a range of parameters such as subject knowledge,

communication skills, classroom management, and prompt syllabus completion. This evaluation occurs mid-semester and holds a maximum value of 50 marks.

The second type is the Self-appraisal of Staff, where faculty members assess their own performance, considering factors like class conduct, development of lab materials, participation in co-curricular activities, and support in product development. They rate themselves on a scale of 150 marks and also take into account their involvement in conferences, workshops, and guest lectures, as well as their contribution to the improvement of departmental facilities and student mentoring.

The Head of Department (HOD) conducts the third type of evaluation, monitoring the overall performance of faculty members. The HOD rates them on a ten-point scale, considering various aspects such as teaching load, innovative teaching methodologies, student counseling, pass percentages, and guidance in student projects. Other factors include involvement in career orientation, remedial classes, curriculum development, and continuous learning through online certification courses.

The fourth type is the Principal's Evaluation, where the principal assesses the overall performance of faculty members using a ten-point scale. This evaluation is also extended to non-teaching staff, focusing on parameters such as punctuality, discipline, performance, skill improvement, and maintaining organized records.

These evaluations provide a comprehensive assessment of staff members' performance, helping to identify strengths, areas for improvement, and opportunities for professional development.

File Description	Documents
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/6.3.5-2021-22-appraisal.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

The college has a mechanism for internal and external financial audits. Monitoring financial management practices is a significant process in the internal audit. An internal audit is carried out by the Finance Committee. The budget and statement of expenses are reviewed every quarter by the Finance Committee. The accounts of the college are audited each year by the External Qualified Chartered Accountant appointed by the ABIT-PMCA Society. The Audited Report by the external CA is placed before the governing body for wetting and rectification if any. The qualified remarks given by the auditors are taken into consideration in the forthcoming years.

File Description	Documents
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/6.4.1-AUDIT-REPORT-2021-22.pdf
Upload any additional information	View File

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

8.68

File Description	Documents
Annual statements of accounts	View File
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

The primary source of revenue generation is through the collection of tuition fees from students. The institution sets appropriate fees based on guidelines from the fee fixation committee of the Odisha state government.

Resource utilization is carefully monitored to ensure the effective allocation of financial resources for academic processes and infrastructure development. The institution plans the use of budgeted funds for each academic year and maintains reports on sanctioned budgets and actual expenses on a yearly and monthly basis. These resources are allocated according to the approved budget for various purposes.

A significant portion of expenditure is dedicated to employee salaries and benefits for teaching, non-teaching, and administrative staff. Each department submits estimates for their specific requirements, which are analyzed and allocated accordingly. Funds are also used for infrastructure development and maintenance, including repairs, classroom upkeep, and administrative areas. The institution supports staff by providing financial assistance for attending conferences, workshops, and technical events.

Funds are allocated for student activities such as symposiums, competitions, seminars, and workshops. Winners of technical symposiums in other colleges receive travel allowances and registration fee support. Additionally, funds are utilized for laboratory equipment, consumables, machinery, furniture, library resources, software

procurement, skill development, placement initiatives, power and fuel, campus maintenance, printing, stationery, taxes, licenses, sanitation, sports, and other miscellaneous expenses.

Through effective resource mobilization and utilization, the institution ensures the smooth functioning of academic processes, infrastructure, and student support services, creating an environment conducive to quality education.

File Description	Documents
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/6.4.1-AUDIT-REPORT-2021-22.pdf
Upload any additional information	View File

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

The establishment of the Internal Quality Assurance Cell (IQAC) in 2016 aimed to oversee the quality of services provided by the institution to its stakeholders. A dedicated IQAC committee, approved by the governing body, was formed to implement quality assurance strategies and processes. The IQAC played a significant role in improving infrastructure, enhancing faculty competencies, and empowering students for employability.

One exemplary initiative of the IQAC is the implementation of a student mentoring system. Under this system, faculty members mentor students on academic, professional, and career-related aspects, starting from the first year. A comprehensive record of students' academic, co-curricular, extra-curricular achievements, social activities, and parent meetings is maintained by faculty members appointed as counselors or mentors. Each mentor is responsible for a group of 30 students and conducts counseling sessions with them at least twice per semester. The mentoring system has resulted in improved attendance, academic performance, and students' readiness for placement training.

Another noteworthy initiative is the Pre Placement Training (PPT) program, which focuses on enhancing students' employability skills. PPT provides comprehensive training in communication skills, aptitude, reasoning, leadership, and technical competencies. The institution offers long-term PPT to all students starting from the third year, allocating dedicated time alongside regular academics. Final-year students receive advanced PPT even during semester breaks to boost their confidence for upcoming placements. The objective is to bridge the gap between corporate requirements and students' knowledge and skills, ultimately improving their employability.

File Description	Documents
Paste link for additional information	https://abit.edu.in/iqac-2/
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

The institute has a well-structured teaching-learning process with a robust methodology in place. The Teaching Learning Process is reviewed according to the guidelines set by the IQAC. Various activities, such as subject allocation, preparation of the Academic Administration Plan, cluster mentor meetings, and student mentoring, are meticulously planned by the faculty. Before implementation, these activities undergo thorough review. Once implemented, their progress is closely monitored, and outcomes are analyzed and discussed with the faculty concerned for further improvement.

To enhance the quality of education, the institute has introduced Course Files as a quality improvement initiative. These files outline the objectives and teaching methods for each topic, ensuring that students meet the prerequisites of the course. At the beginning of the academic year, a well-defined plan is created for each topic, and the mapping of course outcomes with program outcomes is done. Course files have proven to be beneficial for students, providing clarity during teaching sessions.

Another initiative by the IQAC is the encouragement of

students to enroll in NPTEL online certification courses. These courses allow students to explore new areas of interest beyond their regular college curriculum, making them more employable in the industry or preparing them for higher education. The online courses cover a range of topics and are offered for different durations.

File Description	Documents
Paste link for additional information	https://abit.edu.in/wp-content/uploads/2023/07/6.5.2.pdf
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://abit.edu.in/wp-content/uploads/2023/07/6.5.3_compressed.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

ABIT has a strong ethical work culture that is based on inclusivity. It observes highest ethical standards in all its activities. Equal opportunities are provided to all individuals irrespective of gender, race, caste, color, creed, language, religion, political or other opinion, national or social origin, property, birth or other status.

Safety and Security

Well-trained and vigilant women Warden and Assistant Wardens appointed to the Girls Hostel in the campus.

Security checkpoints are provided at all campus entries and exits.

Rotational duty by all faculty members for discipline and security.

Strict implementation of Anti-Ragging measures and keeping the campus ragging free.

Awareness campaigns on women safety and gender sensitivity through street plays rallies and camps by the Community Connect Cell

Separate hostels are provided for girls with appropriate security arrangements and hostel committees are formed to take care of the students.

Security guards are deployed at main gate and students with valid identity cards are allowed into the campus.

The college campus is under surveillance with CC cameras installed at prominent locations.

Women faculty members accompany girl students when they participate in outdoor activities or tours.

The college ensures social security through Anti-Ragging Committee and Grievance Redressal Committee.

File Description	Documents
Annual gender sensitization action plan	https://abit.edu.in/wp-content/uploads/2023/07/7.1.1.-FACILITIES-UPDATED-FINAL-1.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://abit.edu.in/wp-content/uploads/2023/07/7.1.1.-FACILITIES-UPDATED-FINAL-1.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment	A. 4 or All of the above
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File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Response:

ABIT follows a systematic waste management protocol to properly recycle and dispose of the wastes.

Solid waste management:

Large numbers of dustbins are placed at strategic spots for easy use of the people. Plastic and other non-degradable wastes are collected frequently. Segregation of waste from the dustbins is done in other locations specified by CMC and disposed thereof. Biological wastes from trees and plants are composted and used as manure. Leftover food, cooked wastes

and vegetable wastes from canteen are used for feeding cattle in the nearby localities.

Liquid Waste Management:

The sewage water from throughout the campus is collected through the underground pipelines. The water, after proper sedimentation treatment, is utilized in the lawn and garden.

E-Waste Management:

Being a technical institute, ABIT confronts the problem strategically. Obsolete yet workable computers, printers and other equipment discarded by departments are donated to the schools and needy organizations.

The worn out computer hardware and electronic equipments are used for demonstration purposes as well as sold through scrap vendors. Students are also encouraged to find use of the discarded components in project works. The worn out UPS batteries are disposed through the scrap vendor as required by the state regulations.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	https://abit.edu.in/wp-content/uploads/2023/07/GreenAudit-ABIT-2021-2022.pdf
Any other relevant information	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

- 1. Restricted entry of automobiles**
- 2. Use of Bicycles/ Battery powered vehicles**
- 3. Pedestrian Friendly pathways**
- 4. Ban on use of Plastic**
- 5. Landscaping with trees and plants**

A. Any 4 or All of the above

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following
1. Green audit
2. Energy audit
3. Environment audit
4. Clean and green campus recognitions/awards
5. Beyond the campus environmental promotional activities

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	View File
Any other relevant information	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

Response :

Ajay Binay Institute of Technology takes various initiatives to promote an inclusive environment facilitating tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic, and other diversities. The Institute leaders are advised to know, how to create an inclusive environment in the institution. Feedbacks are obtained from students, teachers, staff members and other stake holders of the institution which are the most useful data for measuring inclusion. The institution brings tolerance and harmony among the students and staff by celebrating National and International Days, events and festivals like Independence Day, Republic Day, Teacher's Day, Children's Day, International Women's day, World Environment Day, Road safety Week, Blood donar Day, Annual Day, Gandhi Jayanti, International Yoga Day, Biswakarma Puja, Ganesh Puja, Saraswati Puja etc. (144 words)

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	View File

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

Response:

ABIT has a very active social activities and community connect cell, which works with students on sensitizing them on socially relevant issues and works with their contributions towards resolving items wherever possible. The student volunteers visit neighboring localities and conduct various activities on regular basis for the development of the locality. In the last year the cell has executed the following programs.

- Tree plantation in Independence Day in the neighborhood community as well as in the college campus.
- Traffic awareness among people during Road Safety week.
- Transgender awareness day in the neighborhood community

on issues associated with their transition or identity.

- Blood Donor Day to raise awareness about the need to donate blood to increase the availability of safe blood and its products for patients in need in the neighborhood community and organize blood donation camp in the neighborhood community also. Blood donation camps in the college are regular activity whereby students and staff donate blood.
- Drinking water camp during the summer season in the neighborhood community.
- Swachh Bharat Abhiyan in the neighborhood community.
- International day of Yoga and organize Yoga fest.
- Develop reading skills of the students in vernacular medium primary schools in the neighborhood community.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	View File
Any other relevant information	View File

<p>7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff</p> <p>4. Annual awareness programmes on Code of Conduct are organized</p>	<p>A. All of the above</p>
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File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Response:

Ajay Binay Institute of Technology celebrates/organizes National and International Commemorative Days, events and festivals like Independence Day, Republic Day, Children's Day, International Women's day, World Environment Day, Road safety Week, Blood donar Day, , Gandhi Jayanti, Netaji jayanti, National Girl Child day, International Yoga Day, No Smoking Day, World water Day, Biswakarma Puja, Ganesh Puja, Saraswati Puja , Makar Sankranti, Christmas Eve, Rashtriya Ekta Diwas, Van Mahotsav week, etc to recall the events or contribution of our leaders in building the nation. Thoughts of great Indian personalities are inculcated into the young minds through motivational speeches, talks, Presentations etc. Every year Teachers day is celebrated on September 5th recognizing the contributions and achievements of teachers, Engineers day on 15th September to recognize the achievements of various engineers. The Institute also celebrates International Youth day to mark the birth Anniversary of Swami Vivekananda.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Best Practice-1

1. Title of the Practice: EXPERIENTIAL LEARNING FOR THE STUDENTS THROUGH ABIT'S CENTRES OF APPLIED RESEARCH (CAR)

Objectives of the Practice: The centres identify solution requirements where engineering, computational and management techniques can be applied for resolving longstanding issues in an efficient and cost effective manner. The exercises will involve individual level learning and group level activities involving self-learning through guided online courses, formal classroom sessions, industry mentor sessions and hands on practical sessions. The students are expected to produce group Level artefacts, such as concept PPTs, white papers, journal/conference papers, blog content as well as working prototypes where applicable. Students are also expected to secure certifications in the skill areas and participate in seminars, workshops and competitions related to the area.

Best Practice -Two

1. Title of the Practice: ABIT-PERFORMANCE AND READINESS ENHANCEMENT PROGRAM

1. Objectives of the Practice

The main objective of this practice is to boost the understanding of students in basic science curriculum which has a direct connection to the engineering curriculum. This

practice assesses the current understanding level of students in such subjects and helps them to reach the desired level of foundation before they get started on the engineering curriculum.

File Description	Documents
Best practices in the Institutional web site	View File
Any other relevant information	View File

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

ABIT provides tremendous thrust and priority towards Excellence in technical and management education.

The vision of the institute is to promote quality teaching, exploration, research and facilitate holistic development of students that would help create capable technical man power needed for industry and academia.

The missions are the application of technical knowledge in collaboration with industry and institutions, to ensure an effective teaching on contemporary topics, to create centre of excellence and to establish partnership with local industries for collaborating, understanding and addressing real life technical challenges. In view of the vision and mission of the institution, all departments of ABIT are well equipped with latest equipments and experimental set ups in the laboratories to improve the teaching learning process. The program educational objectives (PEOs) of each program are established through consultation process and are published, disseminated in college website, HoD chamber, staff room, notice board, laboratories etc. All departments conduct workshop, seminars, and conferences on regular basis to enhance the knowledge of students with the latest technology. Centers for Applied Research in various interdisciplinary courses are setup to develop the student's ability to synthesize and envisage solution to real time problems through their immersion in the problem based activities.

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

1. Allocate resources to establish a dedicated scholarship program specifically tailored for rural and economically backward students. 2. Conduct extensive outreach program in rural areas to raise awareness about the scholarship opportunities available. 3. Organize informational sessions and workshops to guide students and their families through the application process and address any concerns or queries. 4. Assign mentors to scholarships recipients, who can provide academic guidance, career counselling and personal support throughout their educational journey. 5. Engage alumni from rural backgrounds as mentors to offer insights and inspire students through their own success stories. 6. Regularly monitor the progress and academic performance of the scholarship recipients to assess the impact of the program.

AJAY BINAY INSTITUTE OF TECHNOLOGY,