



Yearly Status Report - 2019-2020

Part A

Data of the Institution

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

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

3. Website Address

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

5. Accreditation Details

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

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

7. Internal Quality Assurance System

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

| | | |
|----------------------|------------------|----|
| Regular IQAC meeting | 06-Mar-2020 1 | 22 |
| Regular IQAC meeting | 24-Dec-2019 1 | 22 |
| Regular IQAC meeting | 04-Nov-2019 1 | 22 |
| Regular IQAC meeting | 27-Sep-2019 1 | 22 |
| Regular IQAC meeting | 25-Jul-2019 1 | 21 |

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

| Institution/Department/Faculty | Scheme | Funding Agency | Year of award with duration | Amount |
|---------------------------------|---------|----------------|-----------------------------|--------|
| Prof. D. Swain & Prof. P. Samal | TEQIP3 | MHRD | 2020 5 | 245500 |
| Prof. Ch Prasanjit Nanda | TEQIP-3 | MHRD | 2020 5 | 315000 |
| Dr. D. K. Jesthi | TEQIP-3 | MHRD | 2020 2 | 230000 |
| Prof. Subhalaxmi Mohapatra | TEQIP-3 | MHRD | 2020 1 | 204500 |
| Dr. Leena Samantaray | TEQIP-3 | MHRD | 2020 2 | 330500 |
| Dr. Leena Samantaray | TEQIP-3 | MHRD | 2020 2 | 330500 |

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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View Link](#)

10. Number of IQAC meetings held during the year :

5

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

| | |
|--|---|
| Upload the minutes of meeting and action taken report | View Uploaded File |
| 11. Whether IQAC received funding from any of the funding agency to support its activities during the year? | No |
| 12. Significant contributions made by IQAC during the current year(maximum five bullets) | |
| <p>Organized TEQIP3 sponsored STTP programme on "Smart Grid Challenges Oppurtinities". Organized TEQIP3 sponsored Workshop on "Industrial Internet of Things" Organized TEQIP3 sponsored Seminar on " Recent Advances on Mechanical Engineering" Organized TEQIP3 sponsored Industrial Lecture on "5G Connecting everything". Organized TEQIP3 sponsored Seminar on "Implementation of Machine Learning Artificial Intelligence in data processing using MATLAB"</p> | |
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| 13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year | |
| Plan of Action | Achivements/Outcomes |
| Faculty members from different departments are encouraged to attend Faculty Development Programmes, and Conferences at other reputed institutions | Faculty members have presented their research findings in different conferences. The networking with other resource persons have created platform for advanced learning. Leaves and other facilities provided by Institutions. |
| Formation of R & D Cell with full time faculty and research persons | The existing R & D Cell capacity is enhanced through engagement of one full time dean cum professor and one full time research assistant. New equipment like personal computers, software, testing instruments, sensors, processors ,etc are purchased for research into IOT fields |
| Training programmes like IOT for Electronics and Telecommunication, Computer Science, Electrical Engineering students | Many students of Electronics and Telecommunication, Computer Science, Electrical Engineering were placed in different organisations due to these skill development programmes. |
| Skill Development Programme like digital design and drafting courses like AutoCAD, CATIA and quality assurance training like NonDestructive Testing for mechanical engineering students | Students of mechanical engineering were placed in different organisations due to this skill development programme. |
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| 14. Whether AQAR was placed before statutory body ? | Yes |

| | |
|---|--|
| Name of Statutory Body | Meeting Date |
| ABIT PMCA Trust Governing body | 20-Apr-2021 |
| 15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ? | No |
| 16. Whether institutional data submitted to AISHE: | Yes |
| Year of Submission | 2020 |
| Date of Submission | 28-May-2020 |
| 17. Does the Institution have Management Information System ? | Yes |
| If yes, give a brief description and a list of modules currently operational (maximum 500 words) | Partial: Tally for financial reporting, Custom software for student fee management, Library information system, Cloud hosted software for semester examination paper evaluation. |

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

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

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

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

| Certificate | Diploma Courses | Dates of Introduction | Duration | Focus on employ ability/entrepreneurship | Skill Development |
|-------------|-----------------|-----------------------|----------|--|-------------------|
| NIL | NIL | Nil | 0 | NIL | NIL |

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

| Programme/Course | Programme Specialization | Dates of Introduction |
|-------------------|--------------------------|-----------------------|
| Nil | NIL | Nil |
| No file uploaded. | | |

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

| Name of programmes adopting CBCS | Programme Specialization | Date of implementation of CBCS/Elective Course System |
|----------------------------------|---|---|
| BTech | COMPUTER SCIENCE ENGINEERING | 16/08/2019 |
| BTech | CIVIL ENGINEERING | 16/08/2019 |
| BTech | ELECTRICAL ENGINEERING | 16/08/2019 |
| BTech | ELECTRONICS & TELECOMMUNICATION ENGINEERING | 16/08/2019 |
| BTech | MECHANICAL ENGINEERING | 16/08/2019 |
| Mtech | MASTER IN COMPUTER SCIENCE ENGINEERING | 16/08/2019 |
| MBA | MBA (GENERAL MANAGEMENT) | 16/08/2019 |
| MCA | MASTER IN COMPUTER APPLICATIONS | 16/08/2019 |

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

| | Certificate | Diploma Course |
|--------------------|-------------|----------------|
| Number of Students | 0 | 0 |

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

| Value Added Courses | Date of Introduction | Number of Students Enrolled |
|---|----------------------|-----------------------------|
| Stadd-Pro(Civil) | 12/12/2019 | 40 |
| Total Station | 06/01/2020 | 37 |
| QAQC (Civil) | 15/07/2019 | 42 |
| Scratch Programming | 02/01/2020 | 40 |
| Full Stack Development | 02/01/2020 | 40 |
| Web Technology | 02/12/2019 | 30 |
| IOT its applications | 02/01/2020 | 20 |
| Electrical Repair and Maintenance | 01/07/2019 | 19 |
| Design of PCB and Circuit Analysis | 08/07/2019 | 26 |
| Solar PV Technology and Sustainable Power Development | 18/07/2019 | 19 |

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1.3.2 – Field Projects / Internships under taken during the year

| Project/Programme Title | Programme Specialization | No. of students enrolled for Field Projects / Internships |
|-------------------------|---|---|
| BTech | ELECTRICAL ENGINEERING | 70 |
| BTech | MECHANICAL ENGINEERING | 103 |
| BTech | ELECTRONICS & TELECOMMUNICATION ENGINEERING | 43 |
| BTech | COMPUTER SCIENCE ENGINEERING | 103 |
| BTech | CIVIL ENGINEERING | 161 |
| BTech | ELECTRICAL AND ELECTRONICS ENGINEERING | 29 |
| MBA | MASTER OF BUSINESS ADMINISTRATION | 59 |
| MCA | COMPUTER APPLICATION | 112 |

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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

| | |
|-----------|-----|
| Students | Yes |
| Teachers | Yes |
| Employers | Yes |
| Alumni | Yes |
| Parents | Yes |

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained

The goal of ABIT is to offer the best possible learning experience to its students to enhance their academic performance. The progress of the institute towards this goal is frequently evaluated by the stake holders feedback system. Student feedback system is an essential element of the learning process. It is one of the best ways to measure the class room performance of a teacher with the goal of improvement. Student feedback is collected twice within a semester from the students using OMR feedback form. Yes / No type questions are asked on timeliness, student teacher relationship, class preparation interaction, Subject explanation clarity, university question discussion etc. The software-S1calculates the percentage of the above criteria. The result of the feedback obtained from students are analyzed by Dean Academics/Principal. The minimum feedback for a faculty member from the students is 75. Faculty members scoring less than the institute standard are advised by Dean Academics/Principal about handling and monitoring the class to attend the faculty development programs. If there is no improvement seen, he/she can be terminated from the Institution. Alumni are asked on the course that they have learnt in the college in relation to their current job/occupation, educational resource, infrastructure and lab facilities, office staff, library staff members of the college, new tools learnt during job its application, ability to factor in sustainability, ethical health, public safety environmental issues in the solution developed by alumni,

enhancement of qualification etc. Parents are asked on quality of academic resource overall personality development of their wards, infrastructural facility, placement activities conducted, mentoring facility in the campus, suggestions for improving the college as a college of excellence. Employers are asked on ability of our students to use work place equipment's, to solve work place problems, willingness to learn new techniques, adopt new ideas, innovativeness, creativity, simplicity and sense of belonging relationship with peers/subordinates , team spirit, communication skill soft skill, obedience and relationship with seniors, ability to contribute to the goal of the organization etc. Teachers of this institutions are asked Yes/No type questions on the course / syllabi taught have a good balance between theory applications , freedom to adopt new technique / strategies of teaching, college environment is conducive to teaching and research , administration is teacher friendly college provides adequate opportunities and support for upgrading the skill qualification of the faculty members , ICT facilities in the college are adequate satisfactory, Toilets/washrooms are clean properly maintained, class rooms are clean and well maintained, prescribed books are available in the library etc. The feedback collected from stake holders are consolidated, analyzed by an assessment committee headed by Principal/Dean Academics the necessary corrective measures are implemented after discussion with the college management.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

| Name of the Programme | Programme Specialization | Number of seats available | Number of Application received | Students Enrolled |
|-----------------------|---|---------------------------|--------------------------------|-------------------|
| BTech | B.TECH IN ELECTRICAL ENGINEERING | 60 | 61 | 61 |
| BTech | B.TECH IN MECHANICAL ENGINEERING | 60 | 71 | 71 |
| BTech | B.TECH IN ELECTRONICS & TELECOMMUNICATION ENGINEERING | 60 | 40 | 40 |
| BTech | B.TECH IN COMPUTER SCIENCE ENGINEERING | 60 | 68 | 68 |
| BTech | B.TECH IN CIVIL ENGINEERING | 60 | 80 | 80 |
| BTech | B.TECH IN ELECTRICAL & ELECTRONICS ENGINEERING | 60 | 43 | 43 |
| MBA | MASTER OF BUSINESS ADMINISTRATION | 60 | 60 | 60 |
| MCA | MASTER IN COMPUTER | 60 | 64 | 64 |

| | | | | |
|------------------------------------|---|----|---|---|
| | APPLICATION | | | |
| Mtech | M.TECH IN COMPUTER SCIENCE ENGINEERING | 18 | 7 | 7 |
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2.2 – Catering to Student Diversity

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

| Year | Number of students enrolled in the institution (UG) | Number of students enrolled in the institution (PG) | Number of fulltime teachers available in the institution teaching only UG courses | Number of fulltime teachers available in the institution teaching only PG courses | Number of teachers teaching both UG and PG courses |
|------|---|---|---|---|--|
| 2019 | 1098 | 290 | 89 | 10 | 9 |

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

| Number of Teachers on Roll | Number of teachers using ICT (LMS, e-Resources) | ICT Tools and resources available | Number of ICT enabled Classrooms | Number of smart classrooms | E-resources and techniques used |
|----------------------------|---|-----------------------------------|----------------------------------|----------------------------|---------------------------------|
| 108 | 75 | 21 | 19 | 2 | 3 |

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

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

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

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

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

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

mentoring and counseling are the unique approaches by the college to help the students academically, emotionally psychologically. Mentors are the senior faculty members with broad knowledge and experience. A mentor may help with exploring careers opportunities, setting goals, developing contacts, and identifying

| | | |
|--|-----------------------------|-----------------------|
| Number of students enrolled in the institution | Number of fulltime teachers | Mentor : Mentee Ratio |
| 1388 | 108 | 1:13 |

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

| | | | | |
|-----------------------------|-------------------------|------------------|--|--------------------------|
| No. of sanctioned positions | No. of filled positions | Vacant positions | Positions filled during the current year | No. of faculty with Ph.D |
| 108 | 108 | 0 | 0 | 19 |

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

| Year of Award | Name of full time teachers receiving awards from state level, national level, international level | Designation | Name of the award, fellowship, received from Government or recognized bodies |
|-------------------|---|-------------|--|
| 2019 | NILL | Nil | NILL |
| 2020 | NILL | Nil | NILL |
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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

| Programme Name | Programme Code | Semester/ year | Last date of the last semester-end/ year-end examination | Date of declaration of results of semester-end/ year- end examination |
|------------------------------------|----------------|--------------------|--|---|
| BTech | 100 | 1/1, 3/2, 5/3, 7/4 | 30/12/2019 | 21/03/2020 |
| MBA | 201 | 1/1, 3/2 | 30/12/2019 | 21/03/2020 |
| MCA | 202 | 1/1, 3/2, 5/3 | 30/12/2019 | 21/03/2020 |
| Mtech | 301 | 1/1, 3/2 | 30/12/2019 | 21/03/2020 |
| View Uploaded File | | | | |

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

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

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

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

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<https://abit.edu.in/wp-content/uploads/2023/09/COURSE-OUTCOMES-2019-20.pdf>

2.6.2 – Pass percentage of students

| Programme Code | Programme Name | Programme Specialization | Number of students appeared in the final year examination | Number of students passed in final year examination | Pass Percentage |
|----------------|----------------|--------------------------------------|---|---|-----------------|
| 106 | BTech | CIVIL ENGINEERING | 53 | 46 | 86.79 |
| 104 | BTech | COMPUTER SCIENCE ENGINEERING | 35 | 33 | 94.28 |
| 105 | BTech | ELECTRICAL & ELECTRONICS ENGINEERING | 8 | 8 | 100 |
| 101 | BTech | ELECTRICAL ENGINEERING | 19 | 19 | 100 |
| 103 | BTech | ELECTRONICS & TELECOMMUNICATION | 10 | 10 | 100 |
| 102 | BTech | MECHANICAL ENGINEERING | 43 | 38 | 88.37 |
| 202 | MCA | MCA | 48 | 48 | 100 |
| 201 | MBA | MBA | 58 | 57 | 98.30 |
| 301 | Mtech | CSE | 3 | 3 | 100 |

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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<https://abit.edu.in/wp-content/uploads/2023/09/Student-Satisfaction-Survey-2019-20.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

| Nature of the Project | Duration | Name of the funding agency | Total grant sanctioned | Amount received during the year |
|------------------------------------|----------|----------------------------|------------------------|---------------------------------|
| Any Other (Specify) | 1 | TEQIP-III, BPUT, Odisha | 2.04 | 2.04 |
| Any Other (Specify) | 5 | TEQIP-III, BPUT, Odisha | 3.15 | 3.15 |
| Any Other (Specify) | 2 | TEQIP-III, BPUT, Odisha | 3.3 | 3.3 |
| Any Other (Specify) | 5 | TEQIP-III, BPUT, Odisha | 2.54 | 2.54 |
| Any Other (Specify) | 2 | TEQIP-III, BPUT, Odisha | 2.3 | 2.3 |
| Any Other (Specify) | 365 | BEAMX TECH LABS PVT. LTD. | 1 | 1 |
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3.2 – Innovation Ecosystem

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

| Title of workshop/seminar | Name of the Dept. | Date |
|---|-------------------|------------|
| Seminar on Intellectual Property Rights (IPR) | EE | 15/07/2019 |
| Formulation of Business Strategy | MBA | 13/08/2019 |
| The Literature Survey - An Introduction to Research | ETC | 03/10/2019 |
| Channel Management | MBA | 19/10/2019 |
| Management thought process on corporate decision making | MBA | 23/11/2019 |
| Seminar on Education policy prospects for Research | EE | 10/02/2020 |
| Awareness program on IPR | ETC | 17/01/2020 |
| Workshop On IIOT and Industry 4.0 | CSE, ENTIC | 04/02/2020 |
| FDP On IoT For Emerging Technical Application in Smart City | CSE | 15/02/2020 |
| TEQIP On Recent Advances, Issues and Challenges in IoT AI | CSE | 13/03/2020 |

| | | |
|---|-------|------------|
| 5G - Connecting Everything | ENTC | 22/02/2020 |
| NATIONAL SEMINAR ON LATEST TRENDS IN MECHANICAL ENGINEERING LTME-2020 | MECH | 07/02/2020 |
| Foundation Engineering | CIVIL | 23/06/2020 |
| Student Development Program on IoT AI | EE | 13/03/2020 |
| Workshop on IIoT Industry 4.0 | EE | 04/02/2020 |
| WORKSHOP ON BLOG DESIGNING | MCA | 28/02/2020 |
| Digital Marketing (Workshop) | MBA | 01/02/2020 |
| Multi-level Marketing | MBA | 06/02/2020 |
| Importance of Business Plan for Entrepreneurs (Seminar) | MBA | 18/02/2020 |
| Retail Business Management - An Overview | MBA | 14/03/2020 |

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

| Title of the innovation | Name of Awardee | Awarding Agency | Date of award | Category |
|------------------------------------|-----------------|-----------------|---------------|----------|
| NILL | NILL | NILL | Nil | NILL |
| View Uploaded File | | | | |

3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

| Incubation Center | Name | Sponsored By | Name of the Start-up | Nature of Start-up | Date of Commencement |
|------------------------------------|-------------|--------------|----------------------|--------------------|----------------------|
| CEREBRONICS | CEREBRONICS | CEREBRONICS | RD | RD | Nil |
| BEAMX | BEAMX | BEAMX | RD | RD | Nil |
| View Uploaded File | | | | | |

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

| State | National | International |
|-------|----------|---------------|
| 0 | 0 | 0 |

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

| Name of the Department | Number of PhD's Awarded |
|------------------------------|-------------------------|
| COMPUTER SCIENCE ENGINEERING | 1 |
| MECHANICAL ENGINEERING | 1 |

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

| Type | Department | Number of Publication | Average Impact Factor (if any) |
|------|------------|-----------------------|--------------------------------|
|------|------------|-----------------------|--------------------------------|

| | | | |
|-------------------|----------------------------------|---|-----|
| National | MECHANICAL | 3 | Nil |
| National | PHYSICS | 4 | Nil |
| International | ELECTRONICS TELECOMMUNICATION | 2 | Nil |
| International | COMPUTER SCIENCE | 1 | Nil |
| International | MECHANICAL | 3 | Nil |
| No file uploaded. | | | |

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

| Department | Number of Publication |
|--------------------|-----------------------|
| ELECTRONICS | 2 |
| MBA | 1 |
| MCA | 3 |
| MECHANICAL | 3 |
| CSE | 1 |
| SCIENCE HUMANITIES | 6 |
| No file uploaded. | |

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

| Title of the Paper | Name of Author | Title of journal | Year of publication | Citation Index | Institutional affiliation as mentioned in the publication | Number of citations excluding self citation |
|--|------------------------------|---|---------------------|----------------|---|---|
| Study on creational Design of Builder Pattern And Abstract Factory Pattern With Chall enging Example in C# used for real Cases | Gayatri Devi, Dilli p Mishra | Internat ional Journal of Applicatio n or Innovation in Enginee ring of Ma nagement (I JAIEM) | 2019 | Nil | Nil | Nil |
| A new hybrid ACS-SS algorithm for brain MR image analysis | Leena Samantaray | A new hybrid ACS-SS algorithm for brain MR image analysis | 2019 | Nil | Nil | Nil |
| Performa nce Evaluation and Implem | Suman Sourav Prasad | Internat ional Journal of Innovative | 2019 | Nil | Nil | Nil |

| | | | | | | |
|---|--|---|------|-----|-----|-----|
| entation of Tasks in Virtual Machines | | Technology and Exploring Engineering | | | | |
| Implementing Query Terms Linked to Virtual Databases by Metaheuristic Techniques | Suman Sourav Prasad | International Journal of Engineering and Advanced Technology (IJEAT) | 2019 | Nil | Nil | Nil |
| Performance Analysis of Query Terms during Query Phase in Virtual Databases | Anita Mohanty | (ELSEVIER SCOPUS) IJRTE Journal, Volume 8, Issue 3, P P-3604-3607 | 2019 | Nil | Nil | Nil |
| Implementation of Supervised Learning towards Optimizing Queries in Database Systems | Anita Mohanty | International Journal of Engineering and Advanced Technology (IJEAT) Volume-9, Issue 2, P P-1182-1187 | 2019 | Nil | Nil | Nil |
| Optimal posture prediction in brick stacking operation for reducing ergonomic risk factor | Biswaranjan Rout, Rati Ranjan Dash, Debabrata Dhupal | International Journal of Recent Technology and Engineering | 2019 | Nil | Nil | Nil |
| Improvement of mechanical properties of hybrid composites through interply rearrangement | Dipak Kumar Jesthi, Ramesh Kumar Nayak | Composites B Eng 2019 168: 467-75. 2019 | 2019 | Nil | Nil | Nil |

| | | | | | | |
|---|--|---|------|-----|-----|-----|
| nt of glass and carbon woven fabrics for marine application. | | | | | | |
| Evaluation of Mechanical Properties and Morphology of Seawater Aged Carbon and Glass Fiber Reinforced Polymer Hybrid Composites. | Dipak Kumar Jesthi, Ramesh Kumar Nayak | Composites Part B Engineering 2019 174 106980 | 2019 | Nil | Nil | Nil |
| Experimental and Numerical Examinations of Temperature Distributions along SSF Pin Fins Cast through Semisolid Materials Processing | Pabak Mohapatra, N. K. Kund | International Journal of Innovative Technology and Exploring Engineering (IJITEE) | 2019 | Nil | Nil | Nil |

No file uploaded.

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

| Title of the Paper | Name of Author | Title of journal | Year of publication | h-index | Number of citations excluding self citation | Institutional affiliation as mentioned in the publication |
|--------------------|----------------|------------------|---------------------|---------|---|---|
| NIL | NIL | NIL | Nil | 0 | 0 | NIL |

[View Uploaded File](#)

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

| Number of Faculty | International | National | State | Local |
|-----------------------------|---------------|----------|-------|-------|
| Attended/Seminars/Workshops | 0 | 0 | 0 | 73 |

No file uploaded.

3.4 – Extension Activities

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

| Title of the activities | Organising unit/agency/ collaborating agency | Number of teachers participated in such activities | Number of students participated in such activities |
|--|---|--|--|
| NATIONAL YOGA DAY | ABIT | 15 | 50 |
| EYE CAMP | ABIT | 8 | 55 |
| NATIONAL WOMENS EMPOWERMENT DAY | ABIT | 7 | 75 |
| WORLD SENIOR CITIZEN DAY | ABIT | 10 | 45 |
| DAAN UTSAV | ABIT | 8 | 150 |
| INTERNATIONAL DAY FOR DISASTER REDUCTION | ABIT | 10 | 150 |
| HEALTH CAMP | ABIT | 10 | 85 |
| NATIONAL EDUCATION DAY | ABIT | 8 | 50 |
| SWACHHA BHARAT ABHIYAN | ABIT | 8 | 75 |
| ROAD SAFETY WEEK OBSERVATION | ABIT | 8 | 70 |
| No file uploaded. | | | |

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

| Name of the activity | Award/Recognition | Awarding Bodies | Number of students Benefited |
|----------------------|-------------------|-----------------|---------------------------------|
| NIL | NIL | NIL | 0 |
| No file uploaded. | | | |

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

| Name of the scheme | Organising unit/Agen cy/collaborating agency | Name of the activity | Number of teachers participated in such activites | Number of students participated in such activites |
|---|--|---|---|---|
| A little contribution towards society | NGO | A little contribution towards society | 1 | 5 |
| ADOPT A PLANT. EACH ONE PLANT ONE. | NGO | ADOPT A PLANT. EACH ONE PLANT ONE. | 1 | 12 |
| SWACHH BHARAT ABHIYAN | NGO | SWACHH BHARAT ABHIYAN | 1 | 15 |
| A SMALL EFFORT DEDICATED TO ORPHANS SMILE. | NGO | A SMALL EFFORT DEDICATED TO ORPHANS SMILE. | 1 | 11 |

[View File](#)

3.5 – Collaborations

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

| Nature of activity | Participant | Source of financial support | Duration |
|--------------------|-------------|-----------------------------|----------|
| NIL | NIL | NIL | 0 |

[View File](#)

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

| Nature of linkage | Title of the linkage | Name of the partnering institution/ industry /research lab with contact details | Duration From | Duration To | Participant |
|-------------------|----------------------|---|---------------|-------------|-------------|
| NIL | NIL | NIL | Nil | Nil | NIL |

[View File](#)

3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

| Organisation | Date of MoU signed | Purpose/Activities | Number of students/teachers participated under MoUs |
|---|--------------------|---|---|
| KUBIK Design Solutions | Nil | Nil | Nil |
| Arachis Zeppelin | Nil | Nil | Nil |
| Cerebrionics Pvt.Ltd | Nil | Capability building on technologies-Angular JS,PYTHON,CSSANDRA,JAVA, Understang of GITLAB and Docker | Nil |
| Beamx Tech Labs Pvt.Ltd. | Nil | Technology Incubation,Consultancy work Execution,Traing and skill development | Nil |
| Central Institute of plastic Engineering Technology,Govt. of India,Bhubaneswar | Nil | Training and Internship | Nil |
| Oltron Technology, 52, near CRPF Square, N1, Block N1, IRC Village, Nayapalli, Bhubaneswar, Odisha 751015 | Nil | Research Development, Internship Program in the area of Embedded System Robotics, Internet of Things, Mechatronics, | Nil |

| | | | |
|---------------------------|-----|---|-----|
| | | Artificial Intelligence | |
| INTERFACE SOFTWARE | Nil | Provides Internship | Nil |
| Ashirbad Consultancy | Nil | Mid term internship Final year Project. | Nil |
| Softech | Nil | Mid term internship Final year Project. | Nil |
| CAC | Nil | Mid term internship Final year Project | Nil |
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

| | |
|--|--|
| Budget allocated for infrastructure augmentation | Budget utilized for infrastructure development |
| 115 | 102.51 |

4.1.2 – Details of augmentation in infrastructure facilities during the year

| Facilities | Existing or Newly Added |
|--|-------------------------|
| Campus Area | Existing |
| Class rooms | Existing |
| Laboratories | Existing |
| Seminar Halls | Existing |
| Classrooms with LCD facilities | Existing |
| Classrooms with Wi-Fi OR LAN | Existing |
| Seminar halls with ICT facilities | Existing |
| Video Centre | Existing |
| Number of important equipments purchased (Greater than 1-0 lakh) during the current year | Newly Added |
| View File | |

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

| Name of the ILMS software | Nature of automation (fully or patially) | Version | Year of automation |
|---------------------------|--|---------|--------------------|
| SMART LIB MANG SOFTWARE | Fully | 1 | 2009 |

4.2.2 – Library Services

| Library Service Type | Existing | | Newly Added | | Total | |
|----------------------|----------|---------|-------------|-------|-------|---------|
| Text Books | 26937 | 5606316 | 70 | 20594 | 27007 | 5626910 |

| | | | | | | |
|-----------------|------|--------|----|--------|------|---------|
| Reference Books | 2657 | 550070 | 24 | 3664 | 2681 | 553734 |
| e-Books | 2320 | 0 | 0 | 0 | 2320 | 0 |
| Journals | 3 | 963547 | 6 | 16940 | 9 | 980487 |
| e-Journals | 1 | 810971 | 2 | 280840 | 3 | 1091811 |
| CD & Video | 2320 | 0 | 0 | 0 | 2320 | 0 |

No file uploaded.

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

| Name of the Teacher | Name of the Module | Platform on which module is developed | Date of launching e-content |
|----------------------|--|---------------------------------------|-----------------------------|
| SATYARANJAN DAS | SOFT COMPUTING | abit.edu.in(College Website) | 02/03/2018 |
| SATYARANJAN DAS | BASIC ELECTRICAL ENGINEERING | abit.edu.in(College Website) | 02/03/2018 |
| MANJUSHREE MOHAPATRA | ARTIFICIAL INTELLIGENCE MACHINE LEARNING | abit.edu.in(College Website) | 08/03/2018 |
| DEBAYANI MISHRA | ADVANCE CONTROL SYSTEM | abit.edu.in(College Website) | 06/03/2018 |
| MONALISA SATAPATHY | FOUNDATION ENGINEERING | abit.edu.in(College Website) | 19/02/2018 |
| MANJUSHREE MOHAPATRA | SGPD | abit.edu.in(College Website) | 19/02/2018 |

No file uploaded.

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

| Type | Total Computers | Computer Lab | Internet | Browsing centers | Computer Centers | Office | Departments | Available Bandwidth (MBPS/GBPS) | Others |
|----------|-----------------|--------------|----------|------------------|------------------|--------|-------------|---------------------------------|--------|
| Existing | 330 | 14 | 1 | 2 | 0 | 8 | 10 | 36 | 0 |
| Added | 44 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 |
| Total | 374 | 14 | 1 | 3 | 0 | 8 | 10 | 38 | 0 |

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

38 MBPS/ GBPS

4.3.3 – Facility for e-content

| | |
|--|--|
| Name of the e-content development facility | Provide the link of the videos and media centre and recording facility |
| E CONTENT- M.TECH DIGITAL NOTES | https://abit.edu.in/mca/ |

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

| Assigned Budget on academic facilities | Expenditure incurred on maintenance of academic facilities | Assigned budget on physical facilities | Expenditure incurred on maintenance of physical facilities |
|--|--|--|--|
| 140 | 127.25 | 175 | 158.21 |

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

4.4.2 Procedure and policies for maintaining and utilizing physical, academic and support facilities-laboratory, library, sport complex, computers, classrooms etc Response: Ajay Binay Institute of Technology has well defined procedures and policies for maintaining and utilizing physical, academic and support facilities. The maintenance of physical, academic and support facilities are carried out by maintenance section of the institution with the help of in-house staff on daily basis. Two supervisors have been appointed to monitor and maintain the physical facilities and housekeeping under the guidance of project manager. A brief description on maintenance and utilization of physical, academic and support facilities of the institution is presented below. Classrooms: The classrooms are cleaned on daily basis and monitored by the institute supervisor. HODs and faculty members also monitor the cleanliness. Classrooms are utilized as per the time table. Laboratories: Each laboratory has one faculty as Lab in-charge, a Lab Assistant and an attendant. Lab in-charge is responsible to maintain and upgrade the laboratory with necessary equipments from time to time as per the curriculum. Physical verification is carried out annually to identify the working or not working or missing equipments. Preventive maintenance and performance monitoring of equipments is also carried out. Library: Librarian and support staff members have been appointed to maintain central library. Procurements of books as per the requirement is initiated through library committee. Library is utilized by students and staff members from 8 AM to 5 PM. At the end of the academic year, stock verification is done. Librarian will prepare the report on the same and utilization of the books by the students and staff members. Sports complex: Sports coordinator looks after the sports facilities and activities. He is responsible for keeping the record of utilization of sports facilities, activities held and awards for the students. Computers: All departments of the institution have PCs and essential software. The system administrator and laboratory assistants maintain the IT facilities in the institution under the guidance of a senior faculty of computer science and engineering department. In case of measure issues of maintenance, vendors are hired for maintenance of IT facilities. CCTV/Security: To maintain internet connectivity and CCTV security system, system administrator is appointed with the help of external agencies. Security staff under a security supervisor is appointed to safe guard the whole premises under the guidance of the Project Manager of the institution. Digital Boards, LCD projectors, EPBX system, and air conditioners are maintained with the help of external agencies. Plumbing Electrical, drinking water, lift, Diesel generator: Electricians and plumbers are employed for the maintenance of electrical and drinking water facilities. College Campus Garden: Institute has appointed housekeeping staff to clean the college campus and gardeners for

maintaining the .garden.

<https://abit.edu.in/facilities-2/>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

| | Name/Title of the scheme | Number of students | Amount in Rupees |
|--------------------------------------|--|--------------------|------------------|
| Financial Support from institution | FINANCIAL BENIFIT | 666 | 7546100 |
| Financial Support from Other Sources | | | |
| a) National | PRERANA(SC ST), PRERANA(SEBC/ OBC), NSP FOR MINORITY, NSP FOR PH, MEDHABRUTI | 561 | 3142500 |
| b)International | Nil | Nil | Nil |
| No file uploaded. | | | |

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

| Name of the capability enhancement scheme | Date of implemetation | Number of students enrolled | Agencies involved |
|---|-----------------------|-----------------------------|---|
| Pre-Placement Training Program | 15/07/2019 | 396 | AR Creation Centre |
| Bridge Course (for 1st year students) | 16/08/2019 | 355 | Department of Science Humanities |
| Career Options for Engineering students | 22/08/2019 | 132 | Each Department- ABIT |
| Career Options for Engineering students | 14/09/2019 | 218 | Mr. Alok Acharya, Director, TIME Bhubneswar |
| Meditation Program | 23/11/2019 | 63 | Brahmakumaris |
| Soft Skills | 09/12/2019 | 396 | TP Deptt |
| Talk on Importance of Mental Health | 29/01/2020 | 138 | Pallavi Dhanuka, Art of Living Foundation |
| Yoga Camp | 09/03/2020 | 42 | Brahmakumaris |
| View File | | | |

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

| Year | Name of the scheme | Number of benefited students for competitive examination | Number of benefited students by career counseling | Number of students who have passed in the comp. exam | Number of students placed |
|------|--------------------|--|---|--|---------------------------|
|------|--------------------|--|---|--|---------------------------|

| | | | | | |
|---------------------------|--|----|------------|---|-----|
| | | | activities | | |
| 2019 | Gate Refresher Course | 35 | 0 | 0 | 0 |
| 2019 | Preparation for Competitive exams | 42 | 0 | 0 | 0 |
| 2019 | Orientation Program for Higher Education & Placement Opportunities | 0 | 395 | 0 | 0 |
| 2019 | Building your Resume | 0 | 375 | 0 | 0 |
| 2019 | How to prepare for Interviews | 0 | 350 | 0 | 177 |
| View File | | | | | |

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

| | | |
|---------------------------|--------------------------------|---|
| Total grievances received | Number of grievances redressed | Avg. number of days for grievance redressal |
| 5 | 5 | 7 |

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

| On campus | | | Off campus | | |
|------------------------------------|---------------------------------|---------------------------|-------------------------------------|---------------------------------|---------------------------|
| Name of organizations visited | Number of students participated | Number of students placed | Name of organizations visited | Number of students participated | Number of students placed |
| 21 COMPANIES VISITED FOR ON CAMPUS | 945 | 145 | 23 COMPANIES VISITED FOR OFF CAMPUS | 374 | 42 |
| View File | | | | | |

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

| Year | Number of students enrolling into higher education | Programme graduated from | Department graduated from | Name of institution joined | Name of programme admitted to |
|------|--|--------------------------|---------------------------|---|-------------------------------|
| 2019 | 1 | B.Tech | Civil Engineering | Kalinga Institute of Industrial Technology (KIIT) | M.Tech |
| 2019 | 1 | B.Tech | Civil | Indira | M.Tech |

| | | | | | |
|---------------------------|---|--------|---------------------------------|---|--------|
| | | | Engineering | Gandhi Institute of Tehnology (IGIT), Sarang | |
| 2019 | 1 | B.Tech | Civil Engineering | College of Engineering & Technology (CET) | M.Tech |
| 2019 | 1 | B.Tech | Computer Science Engineering | Dhaneswar Rath Institute of Engineering & Management Studies (DRIEMS) | M.Tech |
| 2019 | 1 | B.Tech | Computer Science Engineering | Kalinga Institute of Industrial Technology (KIIT) | M.Tech |
| 2019 | 1 | B.Tech | Computer Science Engineering | Ajay Binay Institute of Technology | MBA |
| 2019 | 1 | B.Tech | Electrical Engineering | Ajay Binay Institute of Technology | MBA |
| 2019 | 1 | B.Tech | Electronics & Telecommunication | Ajay Binay Institute of Technology | MBA |
| 2019 | 1 | B.Tech | Electronics & Telecommunication | Ajay Binay Institute of Technology | MBA |
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

| Items | Number of students selected/ qualifying |
|----------------|---|
| NET | 0 |
| SET | 0 |
| SLET | 0 |
| GATE | 0 |
| GMAT | 0 |
| CAT | 0 |
| GRE | 0 |
| TOFEL | 0 |
| Civil Services | 0 |
| Any Other | 0 |

[View File](#)

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

| Activity | Level | Number of Participants |
|---------------------------------------|-------|------------------------|
| ANNUAL ATHELETIC MEET-200m Hurdle | STATE | 64 |
| ANNUAL ATHELETIC MEET-HIGH JUMP | STATE | 54 |
| ANNUAL ATHELETIC MEET-JAVELLINE THROW | STATE | 70 |
| CHESS COMPETITION | STATE | 90 |
| SARASWATI PUJA | STATE | 58 |
| GANESH PUJA | STATE | 72 |
| ENGINEERS DAY | STATE | 81 |
| GENESIS 19 | STATE | 28 |
| IGNIVENT-CRICKET | STATE | 91 |
| KABADI TOURNAMENT | STATE | 63 |

[View File](#)

5.3 – Student Participation and Activities

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

| Year | Name of the award/medal | National/ Internaional | Number of awards for Sports | Number of awards for Cultural | Student ID number | Name of the student |
|------|--|------------------------|-----------------------------|-------------------------------|-------------------|---|
| 2019 | 1ST PRIZE, BEAT BUSTER, 1ST PRIZE PHENONIX20 20, 1ST PRIZE PHEONIX, 3RD PRIZE PHEONIX, 3RD PRIZE PHEONIX 2020, 3RD PRIZE PHEONIX 2020, 3RD PRIZE PHEONIX, KALINGA PRATIBHA S AMMAN2019, NRITYA KAUMADI | National | 8 | 1 | ABIT | MRUTYUNJAY SAMAL, BHARATMATA SAHOO, AKASH BEHERA, JAGANNATH NAG, SANAT SETHI, HARAPRIYA MOHANTY, PRIYANKA PARIDA, BH AGYASHREE SAHOO, YOGAMAYA DASH |

No file uploaded.

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

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

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

5.4.2 – No. of enrolled Alumni:

565

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

60000

5.4.4 – Meetings/activities organized by Alumni Association :

Annual Function, Cultural Activities

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

The Institute has a mechanism for delegating authority and providing operational autonomy to all the various functionaries to work towards decentralized governance system. In the academic year 2017-18, the governing body delegates all the academic and operational decisions based on policy to the mentors (Principal and Deans) headed by the Director in order to fulfil the vision and mission of the Institute. Faculty members are given representation in various committee and allowed to conduct various programs to showcase their abilities. Each department functions as a separate sub unit in deciding and implementing the student-centric programs and activities. They are encouraged to develop leadership skills by being in charge of various academic, co-curricular and extra-curricular activities. Students are empowered to play an active role as coordinator of co-curricular (incubation centre) and extracurricular activities (NSS) and social group coordinator. The Institute promotes a culture of participative management by involving the staff and students in various activities. Both staff and students are allowed to express themselves of any suggestions to improve the excellence in any aspect of the Institute. The principal, Deans and staff members are involved in defining the policies and procedures, framing guidelines, rules and regulations pertaining to admission, placement, discipline, grievance, counselling, training, library services and development and effectively implementing the same to ensure smooth and systematic functioning of the institute. The faculty members attend the faculty development program, seminar, conferences in regular basis and they participate in sharing the knowledge by discussing on the latest trends in technology during faculty meeting. The Principal and Deans of the institution

give suggestions and monitors the procurement, introduction of new programs and welfare activities of the institute. They are also responsible for academic, non-academic and administrative activities of the institution. Meetings are held periodically for discussing the issues and challenges, development aspect of the institute. The institute encourages students, parents, corporate resource persons, employers, alumni, staff to share their ideas, opinions, suggestions through proper channels i.e. through parent-teacher meet, alumni meet, faculty meeting, stake holders feedback system and other various committee meetings.

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

Partial

6.2 – Strategy Development and Deployment

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

| Strategy Type | Details |
|--|---|
| Industry Interaction / Collaboration | Faculty and students are given ample scope for study tour to the nearby industries for better exposure through close interaction. • Site visits are organized by the respective departments to gain perspective of application of engineering disciplines in Industries. Regular visits happen from Electrical and Civil engineering departments to electricity distribution centres / relay stations, bridge construction and water supply management sites. • Seminars and workshops are conducted by inviting speakers from various industries and academia. • The Training and Placement department assists students to arrange industrial training and identify projects in industries. |
| Human Resource Management | Adequate no. of qualified teaching and supporting staff are appointed through procedures of open advertisement, referrals, Demo interview by Expert committee. AICTE/Govt. of Orissa/BPUT rules and guidance is adhered to while appointing faculty and supporting staff. Faculty members are encouraged to attend seminars, short-term courses, etc to enhance their technical know-how and skill and also disseminate the information amongst their colleagues. They are also encouraged to pursue higher studies and appropriate leeway is provided for the same. Annual picnics, observance of Women's day, engineers day, teachers days, etc are done to make the work environment a happy and satisfied place to work in. |
| Library, ICT and Physical Infrastructure / Instrumentation | Various books have been procured to meet the demands of the enhanced |

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

Research and Development

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

Examination and Evaluation

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

| | |
|------------------------|--|
| Teaching and Learning | <p>Various steps have been taken to enhance the teaching and learning process. Some of them are:</p> <ul style="list-style-type: none"> • Conduct of academic review on a weekly basis which ensures that course curriculum coverage, any issues in academics is addressed at the earliest • Workshops and seminars are conducted to update the students in latest technical trends and know how • Access to NPTEL videos and other online study materials provided to supplement the teaching process • Industrial visits are conducted to augment theoretical knowledge |
| Admission of Students | <p>The students are taking admission through the centralized admission process conducted by council of OJEE, ODISHA. The number of students taking admission in this college has been on a rising trend.</p> |
| Curriculum Development | <p>The basic outline of the curriculum is provided by the university. At the institute level, enrichment of the same is done to increase and refine students understanding.</p> <ul style="list-style-type: none"> • Gap analysis of students understanding and the pre-requisites for undertaking a course is done and corrective measures are taken. <p>. For example, diploma students joining the course in second year face issues in mathematics as there are some courses required in engineering degree that they have not learnt in diploma. This creates an issue in clear understanding of advanced concepts. Special classes are conducted for them to align and integrate them with mainstream students.</p> <ul style="list-style-type: none"> • Bridge courses are undertaken at the institute level for new students prior to initiating the engineering course curriculum. This is termed as PREP • STEP has been introduced for the final and pre-final year students for market readiness. • Soft skills training and language training is provided to make students employment ready |

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

| E-governance area | Details |
|-------------------------------|--|
| Student Admission and Support | <p>The application process for admission is completely ON-LINE. Selection of candidates are based on merit list which is prepared on their performance in the entrance examination conducted</p> |

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

6.3 – Faculty Empowerment Strategies

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

| Year | Name of Teacher | Name of conference/ workshop attended for which financial support provided | Name of the professional body for which membership fee is provided | Amount of support |
|------|-----------------|--|--|-------------------|
| 2019 | Annapurna Sahoo | Workshop on "IIoT SENSOR EMBEDDED APPLICATION" SIT, BBSR | Nil | 1000 |

| | | | | |
|---------------------------|--------------------------|---|---|------|
| 2019 | Chimayee Rout | ICACIE 2019, Rama Devi University | Nill | 1000 |
| 2019 | Puspanjali Behera | Workshop on "NANO TECHNOLOGY EMBEDDED SYSTEM" SIT,BBSR | Nill | 1000 |
| 2020 | Chimayee Rout | IIOT INDUSTRY 4.0 | Nill | 500 |
| 2020 | C.Das | LTME-2020 | Nill | 1000 |
| 2020 | Debayani Mishra | Advances in Smart Grid and Renewable Energy: Select Proceedings of ETAERE-2020 | Nill | 5500 |
| 2020 | Shakti Prasad Mohanty | IoT and AI | Nill | 500 |
| 2020 | Chimayee Rout | Nill | IAENG (INTERNATIONAL ASSOCIATION OF ENGINEERS) | 1000 |
| 2020 | Annapurna Sahoo | Workshop On "NANO TECHNOLOGY FOR ELECTRONIC PHOTONIC DEVICES (NANO DEV 2020)" Punjab Engg. College, Chandigarh | ISTE | 1500 |
| 2020 | Manjushree Mohapatra | IoT and AI | Nill | 500 |
| View File | | | | |

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

| Year | Title of the professional development programme organised for teaching staff | Title of the administrative training programme organised for non-teaching staff | From date | To Date | Number of participants (Teaching staff) | Number of participants (non-teaching staff) |
|------|--|---|------------|------------|---|---|
| 2020 | Workshop on IIoT Industry 4.0, TEQIP-III, BPUT, ODISHA | Nill | 04/02/2020 | 08/02/2020 | 40 | Nill |

| | | | | | | |
|---------------------------|---|-----|------------|------------|-----|-----|
| 2020 | FDP on SMART GRID- CHALLENGES OPPORTUNITIES , TEQIP- III, BPUT, ODISHA | Nil | 06/01/2020 | 10/01/2020 | 40 | Nil |
| 2019 | Workshop on INDUSTRIAL AUTOMATION | Nil | 28/03/2019 | 29/03/2019 | 40 | Nil |
| 2020 | AICTE sponsored Online STTP on Advances in Materials and Machining (AMM-2020) | Nil | 14/12/2020 | 19/12/2020 | 40 | Nil |
| 2020 | TEQIP- III sponsored National Conference on Latest Trends in Mechanical Engineering (LTME-2020) | Nil | 07/02/2020 | 08/02/2020 | 40 | Nil |
| 2019 | IPR Awareness Programme by ST Department, Government of Odisha | Nil | 02/03/2019 | 02/03/2019 | Nil | Nil |
| View File | | | | | | |

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

| Title of the professional development programme | Number of teachers who attended | From Date | To date | Duration |
|---|---------------------------------|------------|------------|----------|
| FDP ON DESIGN PRACTICE | 1 | 03/07/2019 | 03/09/2019 | 90 |
| MANUFACTURING OF COMPOSITES | 3 | 08/08/2019 | 08/10/2019 | 90 |
| FDP on "IOT | 1 | 03/12/2019 | 15/12/2019 | 13 |

| | | | | |
|--|----|------------|------------|----|
| FOR EMERGING TECHNICAL APPLICATIONS IN SMART CITY" TAT, BBSR | | | | |
| FDP on " SMART GRID CHALLENGES OPPORTUNITIES" ABIT,Cuttack, TEQIP-III, BPUT | 17 | 06/01/2020 | 10/01/2020 | 5 |
| RECENT DEPLOYMENT STRATEGIES IN THE WIRELESS SENSOR NETWORK | 1 | 21/01/2020 | 25/01/2020 | 5 |
| Commentary on IS: 456-2000 Explanation, Interpolation, Application Limitations | 1 | 03/02/2020 | 07/02/2020 | 5 |
| IIOT Industry 4.0 | 23 | 04/02/2020 | 08/02/2020 | 23 |
| Electric Vehicles-I | 2 | 03/02/2020 | 02/03/2020 | 30 |
| ADVANCES IN MECHANICAL ENGINEERING (AME-2020) | 2 | 11/02/2020 | 15/02/2020 | 5 |
| NBA ACCREDITATION AND TEACHING-LEARNING IN ENGINEERING (NATE) | 2 | 03/01/2020 | 03/04/2020 | 90 |
| View File | | | | |

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

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

6.3.5 – Welfare schemes for

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

Deserving candidates are given scholarship by the Institution.

6.4 – Financial Management and Resource Mobilization

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

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

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

| Name of the non government funding agencies /individuals | Funds/ Grnats received in Rs. | Purpose |
|--|-------------------------------|---------|
| NIL | 0 | 0 |
| View File | | |

6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

| Audit Type | External | | Internal | |
|----------------|----------|--------|----------|-----------|
| | Yes/No | Agency | Yes/No | Authority |
| Academic | Yes | BPUT | Yes | PRINCIPAL |
| Administrative | Yes | BPUT | Yes | PRINCIPAL |

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

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

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

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

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

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

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

| Year | Name of quality initiative by IQAC | Date of conducting IQAC | Duration From | Duration To | Number of participants |
|---------------------------|--|-------------------------|---------------|-------------|------------------------|
| 2020 | FDP ON "Smart Grid Challenges and Oppurtinities" | 06/01/2020 | 06/01/2020 | 10/01/2020 | 36 |
| 2020 | Workshop on "Industrial Internet of Thing Industry 4.0s" | 22/06/2020 | 22/06/2020 | 28/06/2020 | 50 |
| 2020 | Seminar on "Recent Advances on Mechanical Engineering" | 07/02/2020 | 07/02/2020 | 08/02/2020 | 60 |
| View File | | | | | |

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

| Title of the programme | Period from | Period To | Number of Participants | |
|--|-------------|------------|------------------------|------|
| | | | Female | Male |
| AWARENESS PROGRAMME ON GENDER EQUALITY | 21/02/2020 | 21/02/2020 | 25 | 78 |

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

| Percentage of power requirement of the University met by the renewable energy sources |
|---|
| At present we have a generation capacity of 1.65KW Solar Power System We plan to enhance our solar generation capacity to 3KW in EE and EEE Department by 2022. Other Departments may also assist in enhancing this capacity. The above available solar power can be utilised for lighting loads , fan and computer loads of Electrical Block. This will help in reducing monthly energy bill of the Institution. |

7.1.3 – Differently abled (Divyangjan) friendliness

| Item facilities | Yes/No | Number of beneficiaries |
|-----------------------------|--------|-------------------------|
| Physical facilities | Yes | 2 |
| Provision for lift | Yes | 2 |
| Ramp/Rails | Yes | 3 |
| Braille Software/facilities | No | 0 |
| Rest Rooms | Yes | 1 |
| Scribes for examination | Yes | 1 |

| | | |
|--|----|---|
| Special skill development for differently abled students | No | 0 |
|--|----|---|

7.1.4 – Inclusion and Situatedness

| Year | Number of initiatives to address locational advantages and disadvantages | Number of initiatives taken to engage with and contribute to local community | Date | Duration | Name of initiative | Issues addressed | Number of participating students and staff |
|------|--|--|------------|----------|--|----------------------------------|--|
| 2019 | 1 | 1 | 21/07/2019 | 1 | EYE CAMP | Health and Wellness | 58 |
| 2019 | 1 | 1 | 14/08/2019 | 1 | NATIONAL WOMEN EMPowerment DAY | Women Empowerment | 82 |
| 2019 | 1 | 1 | 21/08/2019 | 1 | SENIOR CITIZEN DAY | Human Wellness | 55 |
| 2019 | 1 | 1 | 11/09/2019 | 1 | JOY OF GIVING-DAN UTSAV | Human Wellness | 158 |
| 2019 | 1 | 1 | 13/10/2019 | 1 | INTERNATIONAL DAY FOR DISASTER REDUCTION | Disaster mitigation and recovery | 160 |
| 2019 | 1 | 1 | 23/10/2019 | 1 | HEALTH CAMP | Human Wellness | 95 |
| 2019 | 1 | 1 | 11/11/2019 | 1 | NATIONAL EDUCATION DAY | Education and Service | 58 |

[View File](#)

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

| Title | Date of publication | Follow up(max 100 words) |
|--------------------------------------|---------------------|---|
| Human Values and Professional Ethics | 16/08/2019 | 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.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

| Activity | Duration From | Duration To | Number of participants |
|---|---------------|-------------|------------------------|
| Awareness Programme on Professional Ethics | 05/09/2019 | 05/09/2019 | 120 |
| Poster presentation on Human Values | 18/10/2019 | 18/10/2019 | 32 |
| Role of ethics in Engineering Practice | 02/12/2019 | 02/12/2019 | 130 |
| Seminar on importance of universal value in teaching-learning | 10/02/2020 | 10/02/2020 | 155 |
| View File | | | |

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

1. Plantation of trees.
2. Regular cleaning of campus
3. Solar lighting
4. Polythene free campus
5. No tobacco zone

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

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

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

<https://abit.edu.in/wp-content/uploads/2022/10/BEST-PRACTICES-REPORT-ABIT.pdf>

7.3 – Institutional Distinctiveness

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

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

Provide the weblink of the institution

<https://abit.edu.in/igac-2/>

8.Future Plans of Actions for Next Academic Year

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

satisfying experience for the students. ? To motivate and improve placement ratio with help of Alumni. ? To sign more no of MOU with Industries as an to get sponsored projects Internship, Training of students. ? To initiate the outcome based Education, Monitor and implement it effectively. ? To motivate faculty for Industry-Interaction with objective to get sponsored projects and placement for students. ? Every class room and laboratory will be equipped with multimedia teaching aids which can be used to access any E-resource during lectures and lab sessions. ? More software's will be purchased and licenses will be upgraded as per requirement and also firewall antivirus software will be upgraded. ? College will go for NBA accreditation for three branches of B.TECH(Computer science and Engineering, Electrical Engineering and Mechanical engineering) and for MBA.