



YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1.Name of the Institution

BANNARI AMMAN INSTITUTE OF TECHNOLOGY

- Name of the Head of the institution **Dr PALANISAMY C**
- Designation **Principal**
- Does the institution function from its own campus? **Yes**
- Phone No. of the Principal **04295226050**
- Alternate phone No. **04295226000**
- Mobile No. (Principal) **9842217170**
- Registered e-mail ID (Principal) **principal@bitsathy.ac.in**
- Address **Sathy-Bhavani State Highway,
Alathukombai P.O.**
- City/Town **Sathyamangalam**
- State/UT **Tamil Nadu**
- Pin Code **638401**

2.Institutional status

- Autonomous Status (Provide the date of conferment of Autonomy) **27/02/2008**
- Type of Institution **Co-education**
- Location **Rural**

- Financial Status **Self-financing**
- Name of the IQAC Co-ordinator/Director **Dr RAMESH KUMAR T**
- Phone No. **04295226046**
- Mobile No: **9486084456**
- IQAC e-mail ID **headiqac@bitsathy.ac.in**

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

<https://www.bitsathy.ac.in/wp-content/uploads/naac/aqar/2021-2022/AQAR-2020-21.pdf>

4. Was the Academic Calendar prepared for that year?

Yes

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

<https://www.bitsathy.ac.in/academic-calendar/>

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.11	2009	15/06/2009	14/06/2014
Cycle 2	A	3.57	2015	03/03/2015	02/03/2020
Cycle 3	A+	3.36	2021	08/02/2021	07/02/2026

6. Date of Establishment of IQAC

17/12/2009

7. Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
Dr. S. Tamilselvi / BT	Online FDP	ATAL	22/06/2021	Rs. 93,000
Dr. C. Ganesh Babu / EIE	Event	Community Radio Association (CRA)	26/07/2021	Rs. 36,000
Dr. K. Rajalashmi / EEE	Research Project	TNSCST	03/09/2021	Rs. 50,000
Dr. S. Jegadheeswaran / AU	Induction program	AICTE ISTE	21/09/2021	Rs. 93,000
Dr. J. Nirmaladevi / ISE	Event	SERB	25/10/2021	Rs. 1,50,000
Dr. B. Vinothini / CSE	Student project scheme	TNSCST	11/03/2022	Rs. 7,500
Dr. K. Subramanian / BT	Student project scheme	TNSCST	11/03/2022	Rs. 7,500
Mr. C. Subramaniyan / ME	Student project scheme	TNSCST	11/03/2022	Rs. 7,500
Mr. C. Raju / ECE	Student project scheme	TNSCST	11/03/2022	Rs. 7,500
Mrs. J. Archana / AG	Student project scheme	TNSCST	11/03/2022	Rs. 7,500
Mr. S. Aswin Raj / BT	Student project scheme	TNSCST	11/03/2022	Rs. 7,500
Dr. S.	Student	TNSCST	11/03/2022	Rs. 7,500

Sudheer Khan / BT	project scheme			
Mr. Nimkar Amey Sanjay / AG	Student project scheme	TNSCST	11/03/2022	Rs. 7,500
Dr. B. Soundara / CE	Student project scheme	TNSCST	11/03/2022	Rs. 7,500
Dr. K. Premalatha / CSE	Event	DBT	28/04/2022	Rs. 8,000
Dr. S. Jegadheeswaran / AU	Research grant	AICTE	04/05/2022	Rs. 1,80,000

8. Provide details regarding the composition of the IQAC:

- Upload the latest notification regarding the composition of the IQAC by the HEI [View File](#)

9. No. of IQAC meetings held during the year 3

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

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

10. Did IQAC receive funding from any 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)

IQAC verticals were developed and put into place to reinforce the centralized documentation.

BIT-Gurugulam provides foundational skills to all first-year

students.

Introduction of a feedback system for infrastructure facilities based on QR Codes.

Introduction of BIP site to simplify documentation.

2 UG programmes (FT and TT) are accredited by the NBA.

12. Plan of action chalked out by IQAC at 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
Implementation of BIT Gurugulam	Under the guidance of Academics, The Gurugulam gave students practical experience in foundational skills. In addition to increasing student-faculty contact and raising the level of research activities on campus, it has cleared the path for students to learn by discovery and assisted in the identification and preparation of future employees for the industrial culture.
'Moodle' software for conducting assessments	Tests conducted using the Moodle software enhanced the best learning for each subject.
'MediaWiki' for sharing the lecture materials, video lectures and lesson plans.	The students are able to get all the details of the subject in a single platform.
Enhancing Faculty-Student interaction/discussion through online Discourse forum.	The students can answer their questions about each lesson in the discourse forum by actively participating in the discussion.
Task management system	Keep a record of the assignments given to instructors. Assures on-time assignment completion and uniform workloads for the faculty.
Formulation of IQAC Verticals	Carried out a variety of institute daily tasks. And,

	ensured each activity was of a high standard.
Introduction of BIP Portal	Strengthened centralized documentation with verified proofs
Students' attendance follow-up	The number of eligible students to appear for the End semester Exams has been increased.
Friend of Friendless (FoF) Scholarship	The FoF scholarship provides financial assistance to multiple students, helping them pursue their educational goals.

13. Was the AQAR placed before the statutory body? No

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Nil	Nil

14. Was the institutional data submitted to AISHE ? Yes

- Year

Part A

Data of the Institution

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Name of the statutory body	Date of meeting(s)
Nil	Nil
14. Was the institutional data submitted to AISHE ?	Yes
<ul style="list-style-type: none"> Year 	
Year	Date of Submission
AY 2021-2022	19/01/2023
15. Multidisciplinary / interdisciplinary	
<p>a) Plans of the institute for Multidisciplinary Education: Implementation of Minor degree and Honors degree. Formulation of Centre For Research facilities - It will help to do multidisciplinary research. b) Integration of humanities and science with STEM and provide the detail of programs with combinations: The Board of Studies has established a specific syllabus for Humanities and social science courses, which</p>	

includes language courses, management courses, soft skills, and courses on human values and ethics, which includes theory, laboratory, project, soft-skills, and personality development courses. All of the courses are designed to think in three dimensions (cognitive, knowledge domains, and STEM concepts), and they can see how their information may be used. c) Does the institution offer flexible and innovative curricula? Yes, The curriculum includes open electives, projects, mini-projects, industry training, socially relevant projects, and one-credit courses to impart knowledge on the interdisciplinary subjects in order to improve multidisciplinary education. Special laboratories with industrial collaboration and student special interest groups (SSIG) assist the students in carrying out transdisciplinary projects in an ethical manner. d) Plan for offering a multidisciplinary flexible curriculum that enables multiple entry and exits at the end of 1st, 2nd and 3rd years of undergraduate education while maintaining the rigor of learning: Every student must choose at least one and no more than three open electives from the list of electives in the branch or branches other than their branch of specialisation, if they meet the prerequisites for those courses, in order to foster interdisciplinary learning. Students have the option of enrolling in one-credit courses on specific topics that last 15 to 20 hours and are taught by industry professionals. With the agreement of the Departmental Consultative Committee, which was established by the Head of the Department, a student may be allowed to credit two online courses. These courses must be selected from the SWAYAM platform. In order to provide students with the advantages of many entries and exits during the selected programme, the institution has registered under NAD and ABC with NAD ID: NAD012912. e) Plans to engage in more multidisciplinary research endeavors to find solutions to society's most pressing issues and challenges: The institute plans to encourage interdisciplinary research by effectively implementing the below-mentioned attributes. An automated system for allowing anyone in the world to use research equipment and machinery Establishment of research hotspots in the next ten years in the field of machine learning Enhancement of the research among cross-disciplinary teams Improvement of the research input in terms of both human and physical resources The availability of a better environment for research through the provision of greater freedom to promote faculty members' and scholars' performance while continuously enhancing research infrastructure Publication in prestigious publications and presentation at conferences attended by the finest researchers worldwide Research focuses more on the problems identified from the industry Encouragement of summer

research / postdoctoral fellowships High-impact actions like establishing specialised research zones or top-notch research facilities Collaborative research activities by leading scientists from all over the world f) Good practice/s of the institution to promote Multidisciplinary / interdisciplinary approach: Changes made in the Curriculum Open Elective Courses - Every student should opt for a minimum of one and subject to a maximum of three courses as open elective from the list of electives of the branch / other branches. One Credit Courses - The current relevance pertaining to the advancements in multidisciplinary is being offered. Interdisciplinary Final year Projects Value Added courses / Skill Training NPTEL Internship Other Initiatives Special Labs - It provides a platform for students to learn, practice, and innovate on the globally sought after multidisciplinary skills, beside product development. Gurugulam foundation skill training to all first year students Participation of students in other department's Guest Lecture, Webinar/Seminar, Workshop etc. BIT Wiki - Allows students to access other departments' courses Students Special Interest Group (SSIG)

16.Academic bank of credits (ABC):

a) Initiatives taken to fulfill the requirement of ABC: Towards a more holistic and Multidisciplinary education: In order to give students the technical and interpersonal skills they need to solve problems in the real world, foundational skills in a variety of fields are taught to them, including electrical wiring, electronics, PLC, the assembling and disassembling of home appliances, prototype modelling, welding, carpentry, and design and fabrication of PCB boards. To strengthen the diverse competencies, the programme curriculum offers seminars, conferences, internships, and language electives like Japanese, Chinese, French, German, and Hindi. Optimal learning environment and support for students: BIT strictly follows Outcome Based Education (OBE). For each course, a wiki page contains connections to the lesson plans for each unit, lecture materials, video links, and discussion forum links. Each contact class ends with an assessment of the students' knowledge of the specific subject discussed in class using the Moodle Learning Management System (LMS). The students can also use the discourse forum to get their questions answered. Technology Business Incubator (TBI): BIT-TBI was established in 2007 as a joint venture of DST, Govt. of India & BIT, Sathyamangalam. BIT-TBI has supported innovative idea-based commercialization for 58 registered tenants. 43 products have reached beyond the Minimum Viable

Product stage with about a dozen of them in the test market and beyond. 45 incubatees have graduated up to May 2019. Employment generation by BIT-TBI tenants and graduates is 180 persons. 22 incubatees have established shop floor production lines.

Research and Development (R&D): To help the faculty members pursue their research activity in certain domains, Centralised Research-park is built as a separate wing (24X7) with a specialised support system on our campus. For doing their study, faculty members are given access to exclusive time, training, sponsorship, on-duty, and supplies. Faculty members are encouraged to improve their knowledge and do new research.

b) Whether the institution has registered under the ABC to permit its learners to avail the benefit of multiple entries and exit during the chosen programme? Yes, As per the MoE instruction, the institution has registered under NAD and ABC with NAD ID : NAD012912 to enable the students to avail the benefits of multiple entries and exit during the chosen programme.

c) Efforts for seamless collaboration, internationalisation of education, joint degrees between Indian and foreign institutions, and to enable credit transfer: Credit accumulation facilities are offered to the students, as prescribed in the Regulations of the Programme. Credit accumulation can be exercised through one-credit courses, self-study electives and special electives. Credit transfer facility, within the discipline, is offered to the students in the case of one-credit courses.

d) Faculty encouragements to design their own curricular and pedagogical approaches within the approved framework, including textbook, reading material selections, assignments, and assessments etc.: Faculty will be given the freedom to design their own curricular and pedagogical approaches within the approved framework, including textbook and reading material selections, assignments, and assessments. Empowering the faculty to conduct innovative teaching, research, and service as they see best will be a key motivator and enabler for them to do truly outstanding, creative work. Faculty participate in decision making bodies of the institution like Governing Council, Academic Council, Board of Studies and other statutory & non-statutory bodies.

e) Good practice/s pertaining to the implementation of ABC: Credit transfer and accumulation facility: Credit accumulation facilities are offered to the students, as prescribed in the Regulations of the Programme. Credit accumulation can be exercised through one-credit courses, self-study electives and special electives. Credit transfer facility, within the discipline, is offered to the students in the case of one-credit courses.

17.Skill development:

a) Strengthening vocational education and soft skills: Compulsory courses like Communicative English, Soft skills & effective communication, Advanced English & technical expression, Ethics, Principles of Management, etc. are included in the curriculum. Domain specific one-credit courses are offered by the Departments, which are directly handled and evaluated by industry experts. Exclusive skill training is compulsorily given for all first to final year students with evaluation. Industry specific & Entrepreneurship training are provided round the year through IIPC, EDC and BIT-IIC cell. b) Promoting vocational education and its integration into mainstream education. One-credit course, Workshop mode hands on training inhouse/ industry conducted directly by industry experts. Foundation and advanced skill training, Internship training (15 days - 6 months) and Industrial visits. c) Value-based education: Orientation program on Universal Human values, Courses in curriculum like Ethics, Principles of Management, EVS etc.,. With the help of clubs and societies like NCC, NSS, Yoga, sports, RRC, Geo, Eco etc., life skills are trained. It is mandatory that each student should be a member in any one of the clubs. d) Efforts to bridge the gap between industry and academia: Industry experts are actively involved in organizing workshops, hands-on training sessions, and project evaluations, thereby bringing their invaluable expertise to these activities. Workshops, hands-on training, project evaluation etc., are being organized through industry experts. Basic engineering skills like Prototype modeling, workshop practices, PLC modeling are given to first year students. Interdisciplinary, hands-on skill training and value added certificate courses are provided for all the students in all semesters to excel more towards their domain along with aided skill. Industry visits, Consultancy activities and internship training. Established Center of Excellence in collaboration with industry for training the students by industry experts. e) Best Practices: Exclusive basic engineering skills like Prototype modeling, workshop practices, PLC modeling are given for all the first year students through Gurugulam. Technical Skill training is given for all the students from first year to third year by the Departments with an individual task for all the students. Interdisciplinary skill training provided for the students to excel more towards their domain along with aided skill. Entrepreneurship and start-up ecosystem through EDC & BIT-IIC. Students are encouraged to register for startup. Industry specific training given for students based on their domain and their interest through IIPC and IIC cell. Establishment of Center

of Excellence (CoE) in collaboration with industry is done and training for students in the centers by industry are conducted to enable the student's industry ready. One-credit courses are offered for students, which are conducted and evaluated by industry experts. Students are allowed to go for Industrial visits to learn the process of industry and the challenges faced. Established 57 domain specific management sponsored special labs, through which students can explore their innovative skills by doing own projects, consultancy projects developing ideas, products & projects for national and international competitions filing patents and publishing in national and international journals

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

a) Integration of the Indian Knowledge system into the curriculum: The Students are allowed to credit online courses related to Indian languages, Indian ancient traditional knowledge, Indian arts, and Indian culture and traditions, up to a maximum of three credits, with the permission of the Departmental Consultative Committee, which has been set up by the Head of the Department. Tamil courses have been introduced (22HS003 - ?????? / Heritage of Tamils and 22HS006 - ?????? / Tamils and Technology) in II and III semesters. The courses will be handled both in Tamil and English. Bannari Amman Insitute of Technology is offering a skill development program "OTL2202 -Spoken Hindi" on a periodic basis. Hindi pundits are serving in our institute to facilitate students who have real passion for learning Hindi language. One of the biggest global trends of the 21st Century is that of practising Yoga, due to its physical, mental and spiritual benefits. Developed in India almost two millennia ago, its spread to the West has increased the number of practitioners. b) Plans to train faculties to provide the classroom delivery in bilingual mode: Various programmes and training are organised for faculty members on a regular basis to upgrade the knowledge, skills and to undertake teaching in bilingual mode. c) Details of the degree courses taught in Indian languages and bilingually: Courses 22HS003 - ?????? / Heritage of Tamils and 22HS006 - ?????? / Tamils Technology) are offered in II and III semesters. The courses will be handled both in Tamil and English. d) Efforts of the institution to preserve and promote the following: Indian languages (Sanskrit, Pali, Prakrit and classical, tribal and endangered etc.), Indian ancient traditional knowledge, Indian Arts, Indian Culture and

traditions. The Students are allowed to credit online courses related to Indian languages, Indian ancient traditional knowledge, Indian arts, and Indian culture and traditions, up to a maximum of three credits, with the permission of the Departmental Consultative Committee, which has been set up by the Head of the Department. "PONGAL VIZHA" in our institute is a three day grand event celebrated every year before TAMIZHAR THIRUNAAL PONGAL in the month of January. The event gives various opportunities to students to showcase their talents. We organize karragattam, oyilattam, silambam, uri adithal which are all the ancient traditions of tamilians. e) Good practice/s of the institution pertaining to the appropriate integration of Indian Knowledge system: The Students are permitted to credit online courses related to the Indian knowledge system with the approval of the Departmental Consultative Committee constituted by the Head of the Department, subject to a maximum of three credits. The yoga club of BIT started in the year 2022 is functioning with the objective of providing meditation classes to the students, basic yoga asanas to the students and faculty and to provide lifestyle programs to students and Faculty. In our institute, "MUHAMIZH MANDRAM" functions with the motto "To learn the importance of the Tamil language and understand its history and traditions". The club promotes and enhances the proper usage of Tamil among the students by organizing various programs such as elocution, essay writing, art competitions, etc., every month. Additionally, the club hosts a yearly event called "PONGAL VIZHA" in January, which brings together various traditions of Tamil culture. This event provides numerous opportunities for students to showcase their talents, including ancient Tamil traditions such as karakattam, oyilattam, silambam, and uri adithal.

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

i. Initiatives to transform its curriculum towards Outcome based Education (OBE): Academic flexibilities are introduced through the Fast Track system, the ability to earn additional credits, inter- and intra-disciplinary electives, online courses, clubs and societies, professional chapters, extracurricular activities, co-curricular activities, workshops, symposia, conferences, seminars, and competitions in order to implement outcome-based education. Through One-Credit Courses, Value Added Courses, and Internship/In-plant Training for Technical Assistance, students receive industry-based training. By switching out the traditional teaching style for creative learning through thought experiments, application-based learning, modelling, simulation, and learning by analogy, student thinking capability is strengthened

throughout the teaching and learning process. The sophisticated ICT technologies are used to build the interactive learning environment for the pupils. The curriculum includes laboratory components to provide students a hands-on understanding of the technical areas. BIT has constructed an Incubation Centre and provided the ideal environment for encouraging entrepreneurship among faculty members and students in order to foster innovation in research and entrepreneur activities.

ii. Efforts made to capture the Outcome based education in teaching and learning practices: Course Outcomes (COs) of all the courses of Regulation 2018 and Regulation 2022 are framed based on the requirement of the Programme Outcomes (POs) and Programme Specific Outcomes (PSOs). Each Course Outcome is mapped with the Programme Outcomes (POs) and Programme Specific Outcomes (PSOs) (CO-PO/PSO matrix). Once the outcomes for a course are finalized, the assessment methods are designed to assess the attainment of respective outcomes. The POs and PSOs attainments are evaluated through direct and indirect assessment measures. For direct attainment measurement, all POs are addressed through the selection of courses and their COs. The indirect methods considered for calculating POs/PSOs include student portfolio, program exit survey, co-curricular survey, extra-curricular survey, graduate survey, alumni survey and employer survey.

iii. Good practice/s of the institution pertaining to the Outcome based education (OBE) in view of NEP 2020: Implementation of new teaching methodology like Revised Blooms Taxonomy (RBT), Flexibility in teaching using Blackboard, PPT presentation, Video Lectures and demonstrations. Student-centred approach in which every student is engaged effectively. The Outcome-based pedagogical methodology favours active as opposed to passive learning. Innovative practices in the form of quizzes, seminars, assignments, analytical problem solving, and formative assessments at the end of every unit positively impact the pedagogical methodology. Students are given opportunities to express their views on academic aspects/activities. Overall personality development of the students is evident in the steady rise of placement. Practical training is incorporated with the theory courses to enable the students to learn the concepts by doing them simultaneously. Experts from the industries offer one-credit courses. Students can choose one course each semester. Interactions with the industry personnel make the students think in a three-dimensional way (Cognitive, Knowledge domains & STEM concepts), and the students become aware of the applications of their knowledge in addition to knowing the industry practice and standards used. Mentors encourage their mentees to attend workshops, present papers or posters at conferences, and

participate in seminars. Students can conduct experiments, practise, and improve their practical abilities with the aid of a lab experimental setup, various machines, and measuring tools. During Field / Industrial tours, interactions with scientists and industry specialists instill in them a drive to delve more deeply into the application side of engineering knowledge.

20.Distance education/online education:

a) Vocational courses through ODL mode in the institution: Technical skill development for a particular job is the main focus of vocational training in BIT. In order to encourage first-year students to build their entrepreneurial skills from the very beginning of their mainstream education, BIT has a well-established bit startup park that offers a programme called "Startup Management" to first-year students in their first semester. Students are taught how to create their own business model canvases, customer journey maps, pitch decks, prototype models, analyses of marketing strategies for the startup they have selected, and students are evaluated through a written test in 22HS002- Startup management. In order to teach the subject to students effectively, the faculty members received training from professionals in the field. b) Development and use of technological tools for teaching learning activities: The college offers blended learning that makes use of contemporary tools like Wikipage, Discussion forum, and moodle to supply resources, host discussions on one platform, and gauge the students' level of knowledge. By fostering competencies in technical, social, and emotional skills, the students are accelerated with a centre of excellence and laboratories to create an optimal learning environment. Good practice/s of the institution pertaining to the Distance education/online education: Wikipage: Faculty lesson Plan, lecture materials, video links, discusssion questions and discourse forum links are available for each course in wikipage in order to ensure faculty readiness and student engagement. Each student should go through the material before coming to the class. Moodle and Discourse Forum: Through the Moodle learning management system, MCQ tests are periodically conducted to promote optimal learning. Through this quiz, the students' comprehension is evaluated. Each response to a question is gathered and assessed. Each class's summary is regularly discussed on a separate page dedicated to a debate forum where questions can be answered.

Extended Profile

1.Programme

1.1	31
Number of programmes offered during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
2.Student	
2.1	7150
Total number of students during the year:	
File Description	Documents
Institutional data in Prescribed format	View File
2.2	1843
Number of outgoing / final year students during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
2.3	7129
Number of students who appeared for the examinations conducted by the institution during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.Academic	
3.1	1392
Number of courses in all programmes during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.2	560
Number of full-time teachers during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File
3.3 Number of sanctioned posts for the year:	558
4.Institution	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	2040
4.2 Total number of Classrooms and Seminar halls	160
4.3 Total number of computers on campus for academic purposes	3538
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	3791.149
Part B	
CURRICULAR ASPECTS	
1.1 - Curriculum Design and Development	
1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.	
<p>When creating the curriculum and syllabi, consideration is given to the guidelines provided by governing authorities like the AICTE, UGC, NBA, and Anna University as well as the curriculum framework created by the institution's autonomy affairs and feedbacks from stakeholders. When formulating the Programme Educational Objectives (PEOs), Programme Outcomes (POs), and Programme Specific Outcomes (PSOs), as well as when designing the curriculum framework and allocating credits for the curricular components, recommendations from professional societies and Graduate Attributes (GAs) recommended by NBA are taken into</p>	

account.

IQAC gathers suggestions for curriculum revision and update from stakeholders, and the Department Advisory Board (DAB) evaluates them. It is examined by the Board of Studies (BoS), which also makes recommendations for improvement. The Standing Committee is informed of any updates to the curriculum and syllabus proposals made to the BoS. The Standing Committee examines the suggestions sent to the Academic Council by the BoS and compiles any commonalities regarding the curriculum. The Academic Council then examines, accepts, and, if necessary, sends the recommendations back to the Board of Studies for consideration. After that, it is submitted to the Governing Council for additional consideration. According to the UGC's guidelines, the Board of Studies and Academic Council meetings are held twice a year.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	Nil

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

2

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	No File Uploaded

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

974

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	No File Uploaded

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

40

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

31

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

Gender: Gender related courses like Social Psychology,

Psychological Process and General Psychology are offered as one credit courses.

Environment and sustainability: The institution has adopted many green cover initiatives, thereby embellishing the eco-friendly ambience of the Campus. The courses like environmental science, waste management, water treatment and green chemistry are introduced to address the issues and solutions related to environment and sustainability.

Human values: Professional counsellors are available to handle the behavioural and intellectual concerns of the students in the institution's Counselling Cell, which places special focus on the necessity for counselling the young minds. Students are introduced to courses like Social Psychology, HR analytics, management concepts, and stress management in the curriculum to help them comprehend the significance of human values.

Ethics: The courses like Professional Ethics, Total Quality Management, Software Project Management, Organizational Behaviour and Management, Internet Security, etc are introduced in the curriculum to address the best practices related to ethics in engineering. In the curricular aspect, ethics is maintained by checking plagiarism in project reports prepared by the students.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	No File Uploaded

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

188

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	No File Uploaded

1.3.3 - Number of students enrolled in the courses under 1.3.2 above	
12941	
File Description	Documents
List of students enrolled	View File
Any additional information	No File Uploaded
1.3.4 - Number of students undertaking field work/projects/ internships / student projects	
4042	
File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	No File Uploaded
1.4 - Feedback System	
1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni	A. All 4 of the above
File Description	Documents
Provide the URL for stakeholders' feedback report	https://www.bitsathy.ac.in/wp-content/uploads/naac/aqar/2021-2022/C1/1.4.1.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	No File Uploaded
1.4.2 - The feedback system of the Institution comprises the following	B. Feedback collected, analysed and action taken

File Description	Documents
Provide URL for stakeholders' feedback report	https://www.bitsathy.ac.in/wp-content/uploads/naac/aqar/2021-2022/C1/1.4.2.pdf
Any additional information	No File Uploaded

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

1734

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

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

1734

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

Learning Level Assessment:

- The English Diagnostic Test is used by Induction programmes like Literary and Proficiency Modules to evaluate students' English proficiency levels.
- Students are categorized into basic, intermediate, and advanced communicators based on the results of the English Diagnostic test.
- Periodical Test I and II results are analyzed to classify

pupils into advanced and slow learners.

Special Programs for Slow Learners:

- After streamlining through the English Diagnostic test, the Basic and Intermediate level students are identified and encouraged to participate in training programs.
- The identified slow learners are assisted in overcoming their academic challenges by setting up extra classes, remedial classes, guest lectures, workshops, and seminars.

Special Programs for Advanced Learners:

- The students of the advanced stream identified in the English Diagnostic test can learn any one of the following 5 languages namely, Chinese, French, German, Hindi and Japanese.
- Advanced students are encouraged to enrol in courses for a maximum of 6 credits per semester in self-study electives.
- 15 to 20 hours per semester for one-credit in industry-focused courses.
- NPTEL courses on the SWAYAM portal are offered online.
- Fast-track system: Students who have benefited from transferable credits and additional credit courses are encouraged to complete a six-month internship with businesses or research organisations.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
31/05/2022	8322	560

File Description	Documents
Upload 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:

Yes

In BIT; Experiential Learning, is concentrated on the Courses with Lab Components, offered through Layer-Learning, Internship, skill training, one-credit courses and Project work. On an average 30 to 35% of the courses are under experiential learning. Participative Learning is focused on Skill training, Participation in labs, Industry projects, Internships, Project contests and project work. Students are urged to participate fully and advance their knowledge of cutting-edge technologies. Around 25 to 30% of the courses are participative learning. Problem solving practices are also included in the syllabus, where students are guided to solve the problems related to design, development and analysis. Problem solving methodologies are handled in tutorial sessions, assignments, open book tests. Around 75% of the courses will focus on this learning experience. These approaches are focused on Self-learning, group learning, layer learning, to improve the higher order thinking skills of the students. In the teaching learning process of BIT the animated videos, Models, Real time examples, Presentations, activity based experiments are used for better learning. The course contents, course materials and discussions are uploaded in the wiki page of BIT for students to refer to any course materials at any time.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional Information	Nil

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

Yes

ICT-enabled technologies and online resources are utilised by all BIT Faculty members to facilitate efficient teaching and learning procedures. For class management, BIT classrooms are equipped with Wi-Fi and Internet connections. Faculty members will create presentations and animation videos for the course material. The BIT wiki page will include the course materials available for students, who can access it whenever they like. The BIT Wiki page

includes curriculum-related details for each course, including the course's objectives, outcomes, lecture schedule, teacher information, lecture materials, and references. Course materials will be updated periodically based on its development. The Wiki page will be a common forum for teachers and students to share their resource materials and the discourse forum in the wiki page will help the students to get clarified with their doubts. Latest technological updates will be shared and discussed in the discourse forum. Google classroom is created for individual courses and students registered in the class will get periodic communication from faculty members regarding assignments, tests and class interaction details.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://www.bitsathy.ac.in/naac/agar/2021-2022/criteria-4-1-1/class-rooms/
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

345

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

Academic calendar and teaching plan are prepared by a committee comprising of the Principal, Controller of Examinations and Dean

- Academic Calendar comprises all academic related activities and events. The Principal, CoE and Head-Academics and second level HoDs are involved in the preparation. Final copy will be prepared by CoE and the Principal will approve the same. Then it will be circulated to the HoDs, Faculty members, Students and all cell coordinators of the

institution through the official email ID and the same will be uploaded in the Institute website.

- Teaching plan is prepared by the faculty members handling the courses and uploaded in wikipage of BIT for access to the students. 50 % of the syllabus for all the courses will be completed during periodical test I and the remaining 50% of the syllabus will be covered within periodical test II.
- All activities are conducted by Faculty members / HoDs / Dean / Principal / Controller of Examinations as per the plan. Industry driven courses like one-credit courses will be conducted as per the availability of the experts. In rare situations, few scheduled activities are deviated due to unavoidable circumstances like natural calamities and declaration of holidays by the Government.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

560

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	View File

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

211

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	No File Uploaded

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

3596

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

2.5 - Evaluation Process and Reforms

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

24

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	No File Uploaded

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

68

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

Reforms :

- Entire examination processes are automated through inhouse software from the AY 2015- 2016.
- QPs setting based on HoT Skills with 2D assessment of RBT from the AY 2015- 2016.
- Introducing relative grading system from the AY 2017 - 2018.
- Two level scrutiny system in order to ensure error-free QPs in ESE from the AY 2018 - 2019.
- Rainbow pattern Teslin Grade Sheets with fifteen security features from the AY 2018 - 2019.
- Transcripts services for higher education purposes online from the AY 2018- 2019.
- Introducing outcome based lab tasks from the AY 2021 - 2022.

The continuous internal assessment system

- Changes in the scheme of assessment of various courses from the AY 2015 - 2016.
- Two periodical tests and optional tests will be conducted from AY 2015 - 2016.
- CIA marks obtained by the student in the first appearance shall be retained and considered valid for one subsequent attempt from the AY 2015 - 2016.
- Changes in the scheme of assessment of various courses from the AY 2018 - 2019.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://www.bitsathy.ac.in/coecorner/

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

Yes,

Dissemination of Programme outcomes, Programme specific outcomes and course outcomes for all Programmes offered by the institution in Curriculum and Syllabi.

The curriculum and syllabi of all the programs are displayed in the Institute website for reference. Students, Faculty members and all stakeholders can access the complete details of POs, PSOs and COs for all programmes offered by the institution in the Institute website.

(www.bitsathy.ac.in)

The curriculum and syllabi of all the programs are also available in the in-house ERP (CAMPS) students and faculty members are having access to refer. The PEOs, POs and PSOs are printed and displayed in classrooms, laboratories, departments and important places.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	https://www.bitsathy.ac.in/programmes-offered/

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

Yes,

Attainment of COs:

- Assessment of COs is generated for individual courses based on the assessment pattern. The attainment of COs is calculated by marks scored by the students. Each CO attainment is calculated based on a target fixed by the course coordinator which is approved in DAB. DAB will

review, analyze and take necessary action for COs attainment.

- For theory, CIA, ESE, assignments and IP (Quiz, seminars, OBT and library based assignments) are considered. For practical purposes, the CIA of every experiment is considered.

Attainment of POs and PSOs:

- The POs/PSOs attainments are evaluated through direct & indirect measures. For direct, all POs are addressed through the selection of courses and their COs. Target levels of attainment of POs and PSOs are set and the actual attainments are reviewed and determined by DAB.
- For indirect, Co & Extra-curricular activities, student portfolio, program exit survey, graduate survey, alumni survey and employer survey are considered. The survey questionnaires scores ranging from 1 to 5 and mapped to POs and PSOs.
- The DAB identify possible ways to improve attainment in terms of desired knowledge and skills in the next AY by reducing the gap. Based on DAB recommendation further actions are taken to improve the PO attainment every year.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

1790

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

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://www.bitsathy.ac.in/wp-content/uploads/naac/aqar/2021-2022/C2/2.7.1.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

The institution is constantly updating its research facilities through a centralised research facility comprising 15 research laboratories specifically for our institute's faculty members and students to carry out massive research activities. Our institute's Central Research Facility (CRF) offers a tremendous opportunity to the enthusiastic research community by providing sophisticated facilities in the fields of Biomolecular Characterization and Instrumentation, Instrument Calibration, Fabric Surface Enhancement, Functional Macro-molecular Enhancement, Engine and Fuels Testing, Materials Processing and Testing, Electrical Power Analysis, Aircraft Materials Testing, Liquid Crystals, Quantum Computing, and Phytochemistry, Condensed Matter, Advanced Materials, Subsonic Airflow Testing, Materials Characterization and Advanced Computing. The recently procured research equipment is Field Emission Scanning Electron Microscope Sigma300-CarlZeiss, Germany. Our institute's entire research environment is built on a distinct research and development policy that is revised on a regular basis. The primary initiatives for promoting research are faculty and student pilot projects, financial support for paper presentations in India and abroad, a 2.5% management incentive for sponsored research projects, and a 60%-70% share of consultancy revenue. We also encourage Ph.D. holders to undertake postdoctoral

research in foreign universities by providing them with worldwide research exposure.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://www.bitsathy.ac.in/wp-content/uploads/IOAC-Research-and-Development-Policy-for-2022.pdf
Any additional information	No File Uploaded

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

731.714

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	No File Uploaded

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

3

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

6.775

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

15

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

82

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

10

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.bitsathy.ac.in/wp-content/uploads/naac/aqar/2021-2022/C3/3.2.4.pdf
Any additional information	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

The institute believes that a supportive environment for innovations and creation and transfer of knowledge is the need of the hour. The Centre for research (CFR) offers a platform to develop and showcase innovative ideas leading to transfer of knowledge in the form of patents, publications, funded-projects and consultancy activities. The CFR provides state-of-the-art facilities to faculty members and students to access and engage in diligent research. The CFR intends to collaborate the best minds in the industries with the academia of the college thereby empowering the students to meet the global standards. The CFR creates an enterprising environment for continual progress and change that respects heterogeneity. A variety of extension activities and community orientation including clubs and societies, sports, a gym, etc are available as a platform for skill development. Another initiative is BIT-TBI, a joint venture of BIT and DST. The system is designed to facilitate the creation of sustainable new companies with exciting, valuable and innovative ideas. The instigate of Entrepreneurship Development

Cell (EDC) develops a conducive growth of startup businesses, to generate entrepreneurship skills.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	http://bittbi.com/

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

33

File Description	Documents
Report of the events	No File Uploaded
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	No File Uploaded

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

60

File Description	Documents
URL to the research page on HEI website	https://www.bitsathy.ac.in/research-centers/
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

1.5

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	No File Uploaded

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

1.8

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.bitsathy.ac.in/wp-content/uploads/naac/aqar/2021-2022/C3/3.4.4.pdf

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

1346

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

54

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

17.29

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	No File Uploaded

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

23.50965 Lakhs

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	View File
List of facilities and staff available for undertaking consultancy	View File
Any additional information	No File Uploaded

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

Extension Activities:

The clubs and societies want to help students develop a sense of social responsibility and to make them aware of how important nature is to our daily lives.

Developing students' personalities via community service is the goal of the National Service Scheme (NSS). The various projects carried out by NSS, including SBSI's Open Defecation Free (ODF) campaign, the use of napkin incinerators, the placement of trash cans, the Unnat Bharath Abhiyan (UBA), blood donation camps, emergency blood donations, sapling plantation, painting and renovation of buildings, seed ball preparation and distribution, soil and water testing, digital literacy, visits to orphanages and nursing homes, and kitchen gardening.

The National Cadet Corps (NCC) will be observed training young troops in front of the college campus. On the days of the Republic and the Declaration of Independence, cadets put on a superb display of marching talent. The communal service that the community Service Club performs offers personal advantages as well. Participants frequently become more disciplined, accountable, and compassionate, all of which are desirable traits. The Women Development Cell runs a number of programmes to advance the development of women.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.bitsathy.ac.in/clubs-societies/

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

205

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	No File Uploaded

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

70

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

13449

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

3976

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	No File Uploaded

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

57

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	No File Uploaded

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 equipments, etc.

Bannari Amman Institute of Technology (BIT) has a land area of 181 acres with a built-up area of 2,78,709 sq.m. 137 Classrooms are ICT enabled in which 122 Under Graduate (UG) classrooms (12,713 sq.m), 15 Post Graduate (PG) classrooms (967 sq.m), drawing halls (927 sq.m) and seminar halls (3385 sq.m). BIT is equipped with 133 laboratories and has UG laboratory (42010 sq.m), PG laboratory (1100 sq.m), Computer Centre (1184 sq.m), Computation Analytical laboratory (3186 sq.m), Workshop (799 sq.m), Physics laboratory (875 sq.m) and Chemistry laboratory (875 sq.m). 57 Special and Applied laboratories (1273 sq.m) and 24 Industry Sponsored laboratories are available. BIT has 3538 computers, 117 printers and scanners. Network bandwidth of 2 Gbps with 648 Wi-Fi access points, In-house cloud platform "BIT Cloud" are available. A central library with a build-up area of 8235 sq.m and five stories can accommodate 911 students at a time. Library has 95534 volumes,

27813 titles, 76 international journals, 205 national journals, 35 technical magazines, 67 general magazines and digital library facility. Principal Office (1154 sq.m), HoD's Cabin (169 sq.m), Faculty Rooms (276 sq.m), Controller of Examination Office (761 sq.m), Hostel (71593 sq.m). Training & Placement office (600 sq.m), Technology Business Incubator (1300 sq.m), Language laboratory(400 sq.m) and Community radio (120 sq.m).

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

Since 2011, the college has encouraged students to showcase their talents through cultural activities and national festivals through 23 groups.

A separate A/C hall (188.31 sq.m) is available for Yoga in academic and hostel areas (248.76 sq.m). A dedicated 16.33 acres is available to facilitate the outdoor games since 1996, such as athletic track, Football, Kho - kho, Hockey, Cricket, Volleyball, Ball Badminton, Handball, Kabaddi, two Standard synthetic tennis courts (added in 2003), Volleyball and basketball court with fencing and floodlight facilities. The indoor games are Table tennis, Pool table, Carom and Chess. The user rate is more than 50 students per day.

In boys hostel the area of open gym facility and playground is 1778 sq.m. The user rate is more than 100 students per day. The area of the girls hostel playground is 9011 sq.m. The games are Basketball (added in 2003 synthetic surface with floodlight), Volleyball, Throw-ball, Hockey and Badminton courts (semi Indoor). Gymnasium facilities established (2001) with an area of 431 sq.m.

Two air conditioned auditoriums with a sitting capacity of 700 and 1800 with an area of 894.32 sq.m. & 2063.75 sq.m respectively.

Transport facilities with 13 cars and 29 buses available.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	Nil

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

160

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

1680.253626

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

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

Library uses Koha, an open source library management software originally developed by Horowhenua Library Trust in New Zealand in 2000, used world-wide. Koha is currently maintained by a team of software providers from around the globe.

Koha is an Integrated Library System with a range of features including: Online Public Access Catalogue (OPAC) module which provides a simple interface for library users to perform tasks

such as searching for and renewing books and suggesting new items.

The State-of-The-Art RFID LMS enables easier transactions and secures all the library resources. The RFID based access gate allows the user to enter the library only by showing an RFID based smart card. The use of self-book-issue kiosks with "touch screen facility" allows users to check out library materials on their own. Students can return books to the automatic drop box at any time, and it also sends email notifications when books are returned. 15 Touch Screen computer systems are available on the library web OPAC to make it easier for users to use the service. The OPAC service is also accessible to users through the internet from any location and on any device. By logging into their registered email accounts online, individuals can renew the book(s) they now have.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

**4.2.2 - Institution has access to the following:
e-journals e-ShodhSindhu Shodhganga
Membership e-books Databases Remote
access to e-resources**

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

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

61.87

File Description	Documents
Audited statements of accounts	View File
Any additional information	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

1274

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	No File Uploaded

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

From 2014 to 2022, BIT provides campus-wide Wi-Fi with 648 access points at a cost of 276 lakhs, private cloud infrastructure built on top of an open stack platform, and indigenously developed Campus Stack e-governance ERP (CAMPS) software for campus management, which is implemented and constantly updated. The facilities are supported by BIT's in-house data centre, which has a 2 Gbps Leased Line Internet Connection. End-to-end fibre optic backbone, Gigabit optic modules and cables (10 km), enterprise class switches, and routers support the networking infrastructure. The security of the systems is maintained by firewalls (Fortigate 1000C and Sophos XG-750 models), which were installed for a total cost of 24.19 Lakhs and are renewed on a regular basis from 2016 to 2020 for a total cost of 29.49 Lakhs. From 2016 to 2022, 1201 CCTV cameras are installed at a cost of 69.11 lakhs and are managed by backbone networks to maintain the safety and security of students. Network Video Recorders (NVR) manage the collected video data. In 2022, bandwidth was upgraded to 2 Gbps due to an increase in student strength. Dell server three numbers were purchased for 36.72 lakhs in 2016 and increased to seven numbers in 2019 for 43.42 lakhs.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.bitsathy.ac.in/wp-content/uploads/naac/aqar/2021-2022/C4/4.3.1.pdf
4.3.2 - Student - Computer ratio	
Number of Students	Number of Computers
8322	3538
File Description	Documents
Upload any additional information	View File
4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus	
	A. 750 Mbps
File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	No File Uploaded
4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing	
	A. All four of the above
File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

2110.895883

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	No File Uploaded

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

Maintenance services provided by various Essential Service Providers aim to maximise the use of various resources on campus through (i) preventive maintenance, (ii) break-down maintenance, (iii) predictive maintenance, and (iv) disaster prevention schedules for various equipment / facilities on campus, ensuring uninterrupted services and the execution of various activities.

In-charges / Heads of Essential Services must establish a complete list of preventative and predictive maintenance schedules and activities for academic, non-academic, common areas, and staff quarters, together with the resources needed to carry out such tasks. The actions should be carried out on a daily, weekly, monthly, and annual basis.

In the event of an emergency, the in-Charge of the Essential Services must respond swiftly and restore the system. When maintenance works are completed, the in-Charge of the Essential Services must prepare a full report.

Chargeable Services:

- Any services provided to residents in staff quarters that involve the replacement of worn-out components must be reimbursed to the tenants.

Updation of Stock Register:

- In-charges of the Essential Services shall maintain stock registers and update them as and when the items are used for carrying out maintenance activities. In-charges of the Essential Services shall update the consumption pattern for

initiating purchase activities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

2518

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	No File Uploaded

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

186

File Description	Documents
Upload any additional information	No File Uploaded
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	https://www.bitsathy.ac.in/capability-enhancement-schemes/
Details of capability development and schemes	View File
Any additional information	View File

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

1138

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

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	No File Uploaded

5.2 - Student Progression	
5.2.1 - Number of outgoing students who got placement during the year	
1372	
File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
5.2.2 - Number of outgoing students progressing to higher education	
76	
File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	No File Uploaded
5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year	
5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year	
6	
File Description	Documents
Upload supporting data for students/alumni	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 and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year	
9	

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

Student Council:

In the institution, student councils are structured as department associations. Each Department's Association is governed by students who serve as secretary and have a group of office bearers who follow the institution's norms. On occasion, the students' organisation develops and coordinates events such as guest lectures, seminars, technical symposiums, technical events, placement and training programmes.

Academic Committees:

Students participate in academic governance through structures such as the Course Committee, the Class Committee, the Board of Studies, the Academic Council, and the Institution Innovation Committee. During these committee sessions, students' suggestions for enriching academic activities are discussed, and necessary action is taken.

Administrative Committees:

Students also participate in administrative committees such as IQAC, Library committee, TBI alumni, Office Bearers of Student Clubs, Hostel committee, and Mess committee, where they provide suggestions and comments on day-to-day activities. Members of the Anti-Ragging Committee work with the coordinator to raise student awareness about the dangers of ragging and to put a stop to it. The Internal concerns Committee, which includes students, resolves gender-related concerns. Through the SC-ST Cell, the institution keeps students informed of the provisions for students from the reserved category.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.bitsathy.ac.in/about/non-statutory-bodies

5.3.3 - Number of sports and cultural events / competitions organised by the institution

17

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

Alumni Association was registered as "ALUMNI ASSOCIATION - BANNARI AMMAN INSTITUTE OF TECHNOLOGY, SATHYAMANGALAM" on 11th May 2015 at the Registrar Office, Gobichettipalayam. With office bearers and Executive Committee members, the group has established 15 chapters in various locations across the country and overseas.

To assess and renew the association, the Parent Chapter holds EC meetings and AGM Body meetings. The Association has its own social network for exchanging college information and newsletters, as well as career possibilities offered by alumni members. The association's activities include updating the alumni database, distributing alumni ID cards, hosting alumni gatherings, and forming chapters.

Alumni members extend their support to the Institution through (i) permitting the students to visit their industry (ii) offering Internships (iii) placement (iv) curriculum development (v) Training the students for placement (vi) Delivering the Guest lectures, Seminars, One-credit courses bridge the gap between Industry and Institute. The association also extends its support

through scholarships for financially deprived students' study and medical expenses. A sum of Rs. 3,63,818/- was contributed by the members of alumni to our students during the academic year 2021-2022.

<https://www.bitsathy.ac.in/alumni/>

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://www.bitsathy.ac.in/alumni/

5.4.2 - Alumni's financial contribution during the year

D. 2 Lakhs - 5 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 an effective leadership in tune with the vision and mission of the Institution

The administrators provide effective leadership and management at Institutional Level, Department Level, Programme Level and Course Level.

The IQAC verticals corroborate the compliance of Academic & Administrative processes and procedures. Continuous improvement is ensured through regular systematic audits, checks, and monitoring by well defined quality assurance methods.

- A Task Management system is implemented, which includes (i) recording works assigned to faculty members, (ii) ensuring timely completion of tasks, (iii) verifying the quality of the completed work, and (iv) ensuring uniform distribution of work loads to all faculty members.
- The concept of Students Special Interest Group (SSIG) has been introduced among the students. Each student can participate in only one team at a time and is guided by a mentor. The accomplishments of students in the SSIG are published monthly as part of the Mentor News Bulletin.

- Teachers actively participate in decision-making bodies such as the Governing Council, Academic Council, Standing Committee, Board of Studies, Department Advisory Board (DAB), and other statutory bodies.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

SSIG

To improve technical competency and teamwork, The concept of Students Special Interest Group (SSIG) has been initiated among the students and a mentoring system of the same is followed by I, II, III Year students. According to which students are allowed to form SSIG consist of a maximum of 5 and a minimum of 4 members per team among their interdisciplinary friends from the same batch (Year). Each student can be a part in any one team only and its should be guided by a mentor ,which can be selected by the students of their own choice. Once SSIG is formed, the students will be given a target of one technical competition per year, two paper presentations per year, two project presentations per year, one patent filing per year, one product development per year, one online course per semester, and one internship per semester. The achievements of students under the SSIG are reviewed on a monthly basis and published as a Mentor News Bulletin, every month.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

Our Strategic Plan (SP) aims to leverage the strengths of the Institute that have been developed over a period of time, and the capabilities of those that are confident enough to develop in upcoming years. It is often a key tool for a more rational and systematic approach to bring about the necessary changes for greater internationalization in institutional direction and daily operations.

The objective of the strategic plan is to elevate the status of BIT as a leading institution with national and international recognition, with a global ranking in selected disciplines. Efforts are taken consistently by all the members (Management, Faculty, Staff and Students with enhancement in infrastructure facilities) to become a well-known institution among the public and other stakeholders. Goals for Outcome-based Academics, Skilling and Employability, Startup Culture, Infrastructure upgradation, Stakeholders satisfaction index, Industry collaborations, Community Outreach, Research & Development (R & D) Ecosystem, and upcoming technology expertisation are set, in consideration with various developments that are taking place nationally and globally in all the fronts of engineering and technology, and the competing institutions in this field, to maintaining educational policies and guidelines of MHRD as the periphery of the paradigm within which the institute operates.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.bitsathy.ac.in/naac/
Upload any additional information	No File Uploaded

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

- The BIT administration is headed by a trust of philanthropists. The trust is assisted by the Governing Council and the Academic Council.
- The day-to-day administrative affairs of the College are managed by the Management Team (The Trustee, the Principal and the Dean) and the same is assisted by the Administrative Committee consisting of experienced members of the faculty.
- The Statutory Bodies are constituted and meetings are conducted as per the AICTE, UGC, MHRD, State Government and

Anna University guidelines.

- The Non-statutory Bodies are constituted by the Management to complement the functions of the Statutory Bodies.
- The dissemination of the academics is taken care of by the Head-Academics, Controller of Examinations and the Heads of individual departments. The Heads of Departments manage the staff and the students.
- The office of the Controller of Examinations has compiled all the rules and regulations of the evaluation system in a booklet.
- The Management encourages the faculty to participate in various committees. This enhances the leadership qualities and skills.
- The Grievance redressal committees have been formed for both staff and the students.

File Description	Documents
Paste link to Organogram on the institution webpage	https://www.bitsathy.ac.in/wp-content/uploads/naac/aqar/2021-2022/C6/Organogram-BIT.pdf
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

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) Documen	No File Uploaded
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression. The institution provides the Rent-free fully furnished quarters for staff. Group insurance is available for teaching and non-teaching staff. Incentives at 2.5% of the amount sanctioned for faculty Funded Projects, from management, are given and 60 -70% of revenue sharing is done to faculty consultancy projects. The institution contributes in the public provident fund/Employees provident fund and Gratuity Scheme. Long Service Allowance is provided to all the teaching and non-teaching staff who have completed 10 years of service at BIT. Transport facilities are being provided to visit industries for consultancy works. The institution provides the Maternity leave scheme for female staff as well as free day-care center for the wards of faculty is available in the campus. Priority in the admission to the wards of all the staff in college as well as schools (State Board & CBSE) is followed. Above all the ambulance facility is available (24/7) on the college campus.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

35

File Description	Documents
Upload any additional information	No File Uploaded
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 programmes organized by the Institution for its teaching and non-teaching staff during the year

462

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	No File Uploaded

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

303

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

BIT is regularly following the internal and external audit in every financial year and qualified internal auditors have been appointed. The internal auditors ensure that the recording of transactions are carried out as per the purchase procedures by the competent authority. Internal auditors will monitor all the procedural transactions incurred and submit their reports to the management with their comments and corrective measures. Internal and external audits are conducted twice and once in a year respectively and reports will be reviewed by the management to bring-in desired improvements in the areas highlighted by them. BIT ensures that proper checks and balances are in place with respect to financial aspects and also ensures that the transactions are recorded in books with proper approvals.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

0

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	No File Uploaded

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Primary source of funds is fee collection from students which in general happens at the beginning of the academic year. The fee is collected as per fee fixation committee and the state government guidelines. The collected fee will be invested in fixed deposits and other liquidable forms and withdrawn periodically as per Institute requirements. Mobilization of funds is also carried out by sponsored projects from Government and Industry.

All the academic heads and in-charges are requested to submit budget requirements for the development of facilities and teaching-learning process for the preparation of annual budget.

The collected budget estimation will be scrutinized by the Finance Committee and the finalized budget will be submitted to management for approval followed by which the approved budget will be sent to concerned heads and in-charges. Purchase will be initiated by the respective heads through the civil stores of BIT, after the negotiation, order will be placed. Payments are recommended after the verification of items by respective heads. All transactions are transparent among the institution, and monitor the expenses and non-budgeted also will be considered based on the merit. The fund will be released for the utilization from our Trust.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

IQAC-Verticals

The IQAC-Verticals were established and implemented to strengthen centralized documentation practices.

- **BIP-Portal:** Implemented to simplify documentation.

Academics

- **BIT-Wiki:** It is an internal knowledge base site created by BIT to provide comprehensive information about academic and co-curricular activities.
- **Discourse Forum:** It is an open-source online community software exclusively for BIT students and faculty, providing a platform for like-minded individuals to engage in discussions.
- **Students Feedback:** Feedback is collected from students for each course, and based on the received feedback, appropriate corrective actions are taken.
- **Academic Audit:** The Institute conducts regular academic audits to assess department performance, improve curriculum, teaching methods, and enhance education quality.

Infrastructure

- **Asset Entry Software:** The asset management software was created to monitor and maintain asset data. It addresses the location, purchase, user, and utilisation-details.
- **Infrastructure Audit:** The audit ensures the effective utilization of resources in academic and non-academic areas while also verifies that all systems are functioning

optimally.

- QR-code based feedback: Users can provide favorable or adverse feedback by scanning the QR-code fixed at various locations, and based on the feedback, the support-desk team will take necessary actions to address the issues.

Others

- Revision of FAP - Enhances more quality R&D activities.
- Special Lab: It provides more industry-related laboratory-facilities to the students
- SSIG: To enhance technical competency and foster teamwork, the students SSIG concept has been introduced.
- BIT-Gurugulam: It equips engineers with the skills and knowledge needed to succeed in their careers and contribute to advancement of the engineering profession.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

Mediawiki:

The Academics and Curriculum tab of Mediawiki is created to enable the students to access their respective semester courses along with discussion and assessment links. Complete information on the courses are available in the Mediawiki page. Each course page is detailed with introduction to the course, course objectives, course outcomes, lesson plan and schedule of lesson plans. In addition to that lecture materials, videos are posted for future reference.

Video Lectures:

BIT has taken the next step in the teaching-learning process by creating digital content for the existing courses. Faculty have created video lectures for the courses they have handled during the academic year 2021-2022. Video lectures are very useful to facilitate the students and to improve self-learning.

BIT Discourse Forum:

The institute has developed BIT discourse forum, an open source online community software. BIT Discourse is available only for the use of BIT students and faculty where like minded people can have discussion.

Online feedback on Teaching-Learning process:

The Academics team collects online feedback on the teaching-learning process from students. A feedback form is created with parameters such as time management, usage of teaching aids, teaching methodology, content delivery, and communication. The form is sent to individual students' email addresses. The responses are consolidated, and an average score out of 5 is calculated. A detailed department-wise report, including the scores, is forwarded to the Head of the Department. The feedback obtained from students is also discussed in the board of studies meeting.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://www.bitsathy.ac.in/naac/
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

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

Safety and Security:

The Institute provides safety features like surveillance cameras, biometric systems, concrete compound walls etc. Round the clock monitoring is done by women security guards. Matrons and supervisors take care of the student's safety.

Counselling:

Academic, personal and psycho-socio guidance are given to the students. Mentors are allotted for every 15 -20 students. Professional Counsellors are available for attending specific cases. .

Common Room:

BIT has separate washrooms for male, female students and faculty members in the academic block. Huts are provided in the girl's hostel to meet their visitors and parents. Recreation rooms are available for the faculty members.

Day care centre:

The Day care centre is open for children between the ages of 1 to 5 of teaching, non-teaching staff and students of the College. It is a well furnished child friendly environment.

Any other relevant information:

College has access to the Health Centre, Pharmacy and ambulance which is available 24x7. Napkin vending machine and incineration facility are available in the ladies hostel. Anti-Ragging committee, Anti sexual harassment committee and Women Development Cell are available for the welfare of the women.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

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

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

Solid waste management:

- Dead leaves, vegetable and food wastes collected everyday are sent to the bio composting yard for the production of 5 to 6 tonnes of bio-manures. These bio-manures are utilized for organic farming.
- The sludge from Sewage Treatment Plant (STP) after the drying process is used as organic manure.

Liquid waste management:

- STP with a capacity of 25,00,000 L/day is used to treat the waste water collected from the hostels and the college. This treated water is used for gardening purposes.
- Biogas plant is generating 200 kW/day utilizing the liquid wastes and uses it to run the electrical motors installed at STP without the use of power from TANGEDCO.

Biomedical waste management:

- The biomedical wastes collected are incinerated. The Injected needles are disposed of using a needle destroyer.

E-waste management:

- The Test and Repair Centre collects the e-waste once in every year and outsources the waste components to an external agency.
- Hazardous chemicals and radioactive waste management
- Hazardous wastes are managed with appropriate techniques. There is no generation of radioactive wastes.

Waste recycling system:

- The sludge resulting from STP is converted into organic manure, liquid waste is converted into electrical energy and the recycled water is used for gardening.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	No File Uploaded

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
Geotagged 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

A. Any 4 or All of the above

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

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy 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 a disabled-friendly

A. Any 4 or all of the above

and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	No File Uploaded

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

International Women's Day is celebrated in our college every year on March 3rd. To mark the occasion, a women entrepreneur will be invited and the best school principal award will also be given to felicitate and motivate the school principals in and around the district.

Pongal Vizha is a grand cultural event celebrated during the month of January yearly in our college premises to make the students know about the tradition of our state. As a part of this programme many traditional events like kabhadi, sarukkumaram, paanai udaithal, pongal vaithal, and many more competitions will be conducted.

Navarathri Celebrations is another traditional event organized by our college. Kolu of all the Gods will be displayed for nine days and competitions for our students and the family members of our faculty will be conducted. On the final day, a grand pooja will be done for the student's welfare. Apart from the academic education, the students and the faculty will be engaged in socio, economic

and cultural related activities such as pattimandram, poetry, dancing and singing by participating in various clubs and society activities.

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

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

In order to educate students and staff on constitutional obligations BIT organizes a variety of programmes. In order to provide students with the knowledge, skills, and values required for maintaining a balance between a livelihood and a fulfilling personal life, we must first create a learning environment that is efficient, encouraging, safe, accessible, and reasonably priced. These ideas are ingrained in the community of college students' value system. The pupils are motivated to take part in various activities that important persons host on culture, customs, values, obligations, and responsibilities. The institute engaged students in awareness campaigns about issues like the prohibition on plastics, cleanliness, Swachh Bharat, and etc. The curriculum of the affiliated university includes required courses in professional ethics and human values as a first step towards educating students about their constitutional rights. Organizing guest lectures and workshops to shed light on ethics, values, duties, and responsibilities as well as on protecting the environment and conducting elocution, debates, and class presentations are done to ignite responsibility among students.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	No File Uploaded

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this

A. All of the above

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 Annual awareness programmes on the Code of Conduct are organized

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 programmes, 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

International Mother Language Day is observed on February 21, in the honor of students Salam, Burkat, Rabeek, Jafar and Shafiur, who sacrificed their lives fighting to make Bengali the official language. To mark the occasion, Muthamil Mandram, BIT, conducts various competitions every year. In celebration of 51st National Safety Day, a guest lecture and various events were conducted on March 04, 2022, at BIT. The event focused on the importance of Safety. Muthamil Mandram, celebrated "The Bharathi Festival" by conducting various competitions such as pen a poem, poetry reading, singing, reels, from December 09, 2021 to December 11, 2021. WDC of BIT, organized online competitions such as pen a poem, drawing, elocution to celebrate International Women's Day on March 08, 2022. A total of 85 students from various departments participated in the event.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

Gurugulam-Foundation Skill Training

Objectives:

The objective is to equip engineers with the skills and knowledge needed to succeed in their careers and contribute to advancement of the engineering profession.

Context:

Gurugulam focuses on life skills such as problem-solving, planning, thinking, time management, teamwork and also provides hands-on experience.

Implementation:

Professional training covers safety procedures, process plan, reflection sheet, report writing, entry and exit meeting, use of laboratory tools and instruments. BIT-Gurugulam aims to upskill students by providing a complete understanding of laboratory practice.

Evidence of Success:

The success of Gurugulam depends on skills related to design of models based on requirements, in different disciplines developed by students through innovative thinking. These skill training focuses student placement enhancement as industry ready, entrepreneurial spirit, UG-projects with standards.

Problems Encountered and Resources Required:

Students in training should demonstrate improved ability to identify and solve problems arising in various domains of laboratory by increasing confidence, better teamwork, and developing Career-Opportunities with industrial standards.

Notes:

Methods followed to evaluate the students;

- Individual daily-task evaluation
- Students individual A3-Report
- Faculty A3-Report for Batch performance analysis

File Description	Documents
Best practices in the Institutional website	https://www.bitsathy.ac.in/gurugulam/
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

BIT clearly emphasize the importance of outcome/value-based education, establishing it as a center of excellence that provides world-class education to both faculty members and students. To realize this vision, BIT has established 57 Basics and Applied laboratories on campus, equipped with state-of-the-art facilities for practicing the 5P's. These labs offer round-the-clock access for training in relevant fields and skills. The institution follows the 5P model, which involves practicing skills for the latest technological developments, participating in international/national technical and non-technical events, developing products, filing patents and publications, and providing consultancy to address societal problems, all in alignment with the institution's mission.

These facilities have been created with the purpose of promoting, inspiring, and educating future generations of scientists, engineers, and technologists, empowering them to transform their ideas and develop innovative products. To support the professional development of students, BIT provides on-duty full sponsorship for component purchases, full-time guidance from technical experts, and opportunities to participate in national/international

competitions, generate revenue through industrial consultancy, develop commercial products, and file patents, among other endeavors. The faculty members in these labs play a crucial role in motivating and guiding students to achieve excellence in various domains. These dedicated efforts have yielded outstanding results in all the events in which BIT has participated, proving the value of their initiatives.

File Description	Documents
Appropriate link in the institutional website	https://www.bitsathy.ac.in/research/speciallabs
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

BIT has the following plan for the next academic years:

1. Establishment of Research Park and Startups to enhance research and entrepreneurial activities.
2. Maintaining Green Campus - Use of bicycles/battery powered vehicles, pedestrian friendly pathways, and restricted entry of automobiles.
3. Alternate source of energy and energy conservation (Solar Panels, Use of LED bulbs, sensor based energy conservation).
4. Construction of new staff quarters.
5. Construction of an indoor stadium.
6. Construction of a separate block for Medical center.
7. Introducing QR code system to ensure the asset location.
8. Introducing Student Support Desk.
9. Organizing Hackathons for students to unleash their talents in the field of hardware and to develop solutions for pressing issues.