



YEARLY STATUS REPORT - 2022-2023

Part A

Data of the Institution

1. Name of the Institution

Army Institute of Technology

- Name of the Head of the institution

Brig A A Bhat

- Designation

Director

- Does the institution function from its own campus?

Yes

- Phone no./Alternate phone no.

0207249250184

- Mobile no

9967032089

- Registered e-mail

director@aitpune.edu.in

- Alternate e-mail

naac_coord@aitpune.edu.in

- Address

Army Institute of Technology,
Dighi Hills, Alandi Road, Pune

- City/Town

Pune

- State/UT

Maharashtra

- Pin Code

411015

2. Institutional status

- Affiliated /Constituent

Affiliated

- Type of Institution

Co-education

- Location

Urban

- Financial Status **Self-financing**
- Name of the Affiliating University **Savitribai Phule Pune University**
- Name of the IQAC Coordinator **Dr. Seema Tiwari**
- Phone No. **0207249250184**
- Alternate phone No. **0207249250185**
- Mobile **9405012782**
- IQAC e-mail address **naac_coord@aitpune.edu.in**
- Alternate Email address **stiwari@aitpune.edu.in**

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

https://www.aitpune.com/Documents/naacreports/Final%20Accepted%20AQAR_2021-22.pdf

4. Whether Academic Calendar prepared during the year?

Yes

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

<https://www.aitpune.com/Documents/AcademicCalendar/Academic%20Calendar%202022-23%20Sem%20I%20and%20II.pdf>

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B+	77.1	2004	16/02/2004	15/02/2009
Cycle 2	B	2.81	2010	04/09/2010	03/09/2015
Cycle 3	A	3.06	2016	16/09/2016	15/09/2021
Cycle 4	B+	2.73	2022	02/05/2022	02/05/2027

6. Date of Establishment of IQAC

25/02/2005

7. Provide the list of funds by Central / State Government

UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr. Sunil Dhore	Central Government	National Security Council Secretariat	2021 2 years	7.4578Cr

8. Whether composition of IQAC as per latest NAAC guidelines **Yes**

- Upload latest notification of formation of IQAC [View File](#)

9. No. of IQAC meetings held during the year **04**

- Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? **Yes**
- If No, please upload the minutes of the meeting(s) and Action Taken Report **No File Uploaded**

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

- If yes, mention the amount

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

1. New feedback system for all stakeholders was implemented. 2. Coordinated the National Board of Accreditation(NBA) process for three departments and NBA compliance process for one department. 3. Quantified Goals and Targets were given to all the departments. 4. Major infrastructure developments were carried out due to increase in additional intake in Information Technology department. 5. Internal and external audits for all the departments were conducted.

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

Plan of Action	Achievements/Outcomes
To motivate students for higher studies atleast one workshop/seminar per department must be conducted for students.	All the departments have conducted. Achieved with 100%
Atleast one Add on/Value added courses/MOOC course by each student.	Achieved with 100%.
Continuous up gradation of Infrastructure at institute and department level.	Achieved with 100%.
Every student must complete internship/projects.	Achieved with 100%.
Quality publication by faculty (SCOPUS/Web of Science/SCI only)	Publication count has increased from 15% to 55%.

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

- Name of the statutory body

Name	Date of meeting(s)
College Development Committee	06/12/2022

14. Whether institutional data submitted to AISHE

Part A

Data of the Institution

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• Name of the Head of the institution	Brig A A Bhat
• Designation	Director
• Does the institution function from its own campus?	Yes
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• Mobile no	9967032089
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• Alternate e-mail	naac_coord@aitpune.edu.in
• Address	Army Institute of Technology, Dighi Hills, Alandi Road, Pune
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• Pin Code	411015
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Name	Date of meeting(s)
College Development Committee	06/12/2022
14.Whether institutional data submitted to AISHE	
Year	Date of Submission
2023	02/08/2023
15.Multidisciplinary / interdisciplinary	
<p>Third year and final year can opt for the open elective subjects that are interdisciplinary, audit courses and honours coursesNot only in academics, but the students from all years are encouraged and motivated to participate in various technical awell as non-technical events within and outside institute.</p> <p>AIT being an engineering college and affiliated to Savitribai Phule Pune University, Pune has certain limitations incurriculum designing, however, many more initiatives have been taken in</p>	

promoting interdisciplinary academic activities. The Institute has various Cells and Clubs completely handled by faculty and students from all years. These cells and clubs help and encourage the students to formulate teams from different disciplines while participating in events. This strongly inculcates a sense of responsibility and helps in building multidisciplinary or interdisciplinary culture among students while participating. This type of multidisciplinary/interdisciplinary initiatives have also helped the institute to earn many laurels.

Institute has initiated one PG course in Data Science for which any engineering graduate is eligible for admission.

16. Academic bank of credits (ABC):

AIT is affiliated to SPPU, Pune and is working on the concept of Academic bank of credits (ABC), to establish "credit transfer" mechanism for providing academic mobility to students. Institute ensures that every student from second and third year opts for online courses through National schemes like SWAYAM, NPTEL, V-Lab etc. Students are encouraged to do at least one value added course or MOOC course in each semester. This provides platform to students to have education with interdisciplinary approach and also due consideration is given for obtaining certification.

17. Skill development:

Skill development is one of the major quality aspect institute is focusing. Institute is focusing on skill development through extension sessions, industry internships and industry projects. Institute is conducting the skill development courses as designed by affiliating university from third semester onwards, in various programs. These courses impart knowledge of technical hard skills as well as soft skills. Hands on training sessions, spoken tutorials are conducted for all-round development of the students. Student chapters of professional bodies organize workshops on various topics with the involvement of professionals from various sectors to provide hands-on experience to students. These associations of institute provide platform for co-curricular and extra-curricular activities.

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

The core values of AIT are excellence, honesty, integrity, team work, continuous learning and innovation. These core values are the guidelines for stimulating Indian knowledge system in the institute. For promoting the Indian languages, students are

encouraged to participate in various art and cultural activities. Cultural Board, Magazine Board and Fine Art club in the Institute arrange training sessions and competitions on creative arts and culture, literary activity, proficiency modules on regular basis to instigate the importance of Indian Language and culture. Ethics, art and craft, cultural activities, motivational talks and different activities such as celebration of National and International Days are organized for the holistic development of the students. Health camps, yoga day celebrations, blood donation camps, river cleanliness drive, blind school visit and many more extension and social activities are organized at the institute for sensitization of students towards societal issues and for civilization of students. All the festivals are celebrated by the students through the Spiritual club which is good for communal unity and harmony. Hindi Debate is organized by debate club, to enhance the elocution skills of the students. Annual intra collegiate sports and cultural competition "Aakrit" and inter collegiate sports and cultural competition 'Pace' and 'Amethyst' are conducted annually. Indian culture is reflected through various performances during these events and special efforts are put for the same. This also helps in inculcating linguistic skills and performing arts, which ultimately leads to enhancement in Indian cultural values amongst the students

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

The Institution has adopted outcome based education in all respects with clearly stated program educational objectives (PEO), program outcomes (PO), program specific outcomes (PSO) and course outcomes (CO). For every subject course outcomes are set by the affiliated university, SPPU which can be modified by the respective course faculty and are mapped with program outcomes and program specific outcomes. Based on mapping of CO and PO, the gaps are identified and to bridge these same various curricular activities are organized. Departments have well defined policy to calculate attainment of COs and POs. In addition to the domain specific skills, the learning outcomes ensure ethics, social responsiveness as well as entrepreneurial skills, so as to make the students capable of contributing to environmental, social and economic well-being of the society.

20. Distance education/online education:

Infrastructural facilities at the institution are capable of supporting online teaching. The online platforms are extensively being used for engaging classes as well as for conducting workshops and webinars. Virtual laboratories are being used for

conducting online practical sessions. Institution has adopted blended mode of teaching that combines online and offline resources. Lecture Management System is in place. Faculty members attended MOOCs, FDPs, and STTPs to strengthen hold on the online teaching platforms and have also created academic material (videos, power point presentations, notes, lab manuals) required for online teaching and learning. Faculty members upload the developed material on online platform, youtube. Students undergo online courses through schemes like SWAYAM, NPTEL, COURSERA, Spoken Tutorial.

Extended Profile

1. Programme

1.1	468
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2. Student

2.1	1394
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2	0
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	View File

2.3	294
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	View File
3.Academic	
3.1 Number of full time teachers during the year	83
File Description	Documents
Data Template	View File
3.2 Number of sanctioned posts during the year	69
File Description	Documents
Data Template	View File
4.Institution	
4.1 Total number of Classrooms and Seminar halls	17
4.2 Total expenditure excluding salary during the year (INR in lakhs)	752.31918
4.3 Total number of computers on campus for academic purposes	733

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

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

AIT follows the curriculum prescribed by Savitribai Phule Pune University. HOD obtains choices of subjects from the faculty. Based on their expertise and equitable load distribution, allocates the teaching load to faculty. Choice is given to students to opt for elective subjects and are briefed about the

importance and relevance the electives. Semester timetable is prepared and displayed well in advance. The faculty prepare their lesson plans keeping in mind course outcomes, mapping with CO, PO and PSO, and upload the same unit-wise on ERP / Moodle. Syllabus, lesson plan, ppts, notes, videos / simulations, laboratory manual and links to useful web sites, are displayed on ERP / Moodle for student reference. Weekly timetables are prepared and displayed every week. Student attendance is recorded regularly on ERP through biometric devices. Feedback is meticulously obtained through assignments, unit tests, insem examination etc. Progress of curriculum delivery, student attendance, and student performances is monitored during HoD conferences. Co and extra-curricular activities, guest lectures, value added courses etc, displayed in academic calendar help to fill gaps in curriculum, aid in all round development and employability of students. Academic audits are conducted as per SOP issued by Internal Quality Assurance Cell (IQAC).

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://www.aitpune.com/NAACData/Criterial/22_23/1_1_1.pdf

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

Before commencement of each semester institute prepares its own academic calendar, adhering to the university calendar, student co and extra-curricular activities, social initiatives, exam schedules and holidays. Based on this, every department prepares its calendar showcasing additional departmental details. Various intra and inter college events are conducted as scheduled. Delivery of curriculum and conduct of events is uploaded on ERP, by each faculty and monitored by HoDs and Principal. Biometric record of student's daily attendance is maintained on ERP and absences of student is communicated to parents by counselor regularly. Cumulative attendance and Defaulter student lists are displayed every month as per the procedure. Absent students are given extra assignments / tests to make up for their absence. Continuous assessment records for practical, tests, assignment and project is also maintained and monitored by HoD and Principal. Departments conduct project progress review and seminar presentations as per standard procedure based on academic

calendar. Thus, it's observed that institute adheres to academic calendar for conduct of CIE and all other activities during the semester.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://www.aitpune.com/NAACData/Criterial/22_23/1_1_2.pdf

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

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

1.2 - Academic Flexibility

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

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

4

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

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

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

03

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

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

417

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

1.3 - Curriculum Enrichment

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

AIT Core values are applicable to all employees and students and displayed at strategic places. AITians follow an Honor Code. It says An AIT student will not lie, cheat or steal; we will neither indulge in ragging, smoking, consuming alcohol or use psychotropic substances (drugs), nor tolerate those who do so. A three week Induction Program for First Year students is conducted, as per the

guidelines of AICTE. This includes sessions on universal human values, mental, emotional and health, environmental awareness, ecological balance, meditation and Yoga, soft skills, creative practices, and gender sensitivity. First year students have compulsory audit course on Environmental Studies in both first and second semester, which aims to sensitize them about various environmental concerns and sustainability. Many outdoor sessions are also organized to emphasize on this. AIT has Spiritual club, Nature club and NSS team, whose activities are planned and included in academic calendar and budgetary provisions made for them. NSS yearly camps as per guidelines of SPPU are conducted, which focus on various social activities and sustainability. Students have also formed a Rotaract Club, which conducts social service and awareness activities/ Institute also has Internal Complaints Committee (ICC) in place

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

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

13

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	View File

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

1393

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

1.4 - Feedback System

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

A. All of the above

File Description	Documents
URL for stakeholder feedback report	https://www.aitpune.com/NAACData/Criterial/22_23/1_4_1.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	No File Uploaded
Any additional information	View File

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

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

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://www.aitpune.com/NAACData/Criterial/22_23/1_4_2.pdf

TEACHING-LEARNING AND EVALUATION**2.1 - Student Enrollment and Profile**

2.1.1 - Enrolment Number Number of students admitted during the year**2.1.1.1 - Number of students admitted during the year**

369

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

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)**2.1.2.1 - Number of actual students admitted from the reserved categories during the year**

369

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

2.2 - Catering to Student Diversity

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

Students in AIT being wards of army personnel come from all parts of India. Institution employs several methods to assess students. During admission and induction their interests, soft skills and coding abilities are evaluated. On the basis of this and their JEE merit, subject teachers identify slow and advanced learners. This is further verified during class room interactions and internal tests. Special efforts are made to enhance the performance of slow learners as below:

- Bilingual mode of teaching for students weak in English
- Remedial classes
- Personal attention
- Motivation by faculty mentors.
- Support from student mentors in academics
- Special notes, assignments and solving question papers.
- Providing Question bank
- Mock examination

Advanced learners are guided and encouraged towards challenging goals through following efforts:

- Providing value added courses to enhance the skills.
- Encouragement to complete MOOC courses
- Book bank facility.
- Participation in incubation center, clubs, workshops, projects, hackathons, publications and patent filing.
- Motivation for higher studies.
- To motivate students to do their best, number of scholarships and awards are established. Institute provides special soft skills training and counseling to all learners which helps them plan their career.

File Description	Documents
Paste link for additional information	https://www.aitpune.com/NAACData/Criteria2/22_23/2_2_1SlowAdvLearner.pdf
Upload any additional information	View File

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

Number of Students	Number of Teachers
1394	84

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

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

Following student centric methods are followed in AIT:

- Collaborative Learning: Student teams are formed for working jointly to solve a problem, complete a task/project, and participate in debates or design products.
- Inquiry-based Learning: Students are encouraged to make use of resources beyond classroom, for investigation of open ended problems.
- Cooperative Learning: Students work together to maximize their own and each other's learning in clubs & student

chapters. Student mentor mentee system has been designed helps in cooperative learning.

- Learning based on Problem Solving: In projects/competitions, participating students are assigned different tasks, assignments, and responsibilities.
- Peer Led Team Learning: This is realized when students under guidance of faculty in-charge organize intra and inter college events like Aakriti, PACE and Solutions.
- Experiential learning: The faculty members foster learning environment using experimentation, demonstration, visual-aids, and organizing industrial visits. Field based experiential learning like Internship add to hands on experience. The institution practices experiential learning by taking students to the Old age home and orphanages, conducting blood donation, and Swachh Bharat Abhiyan etc.
- Project based learning: University has introduced Project Based Learning in FE. In SE students complete a mini project while mini project in TE and major project in BE are credit courses.

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

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

Teachers use a diverse set of ICT tools for teaching learning. They use various means to integrate ICT into teaching learning process which is accessible to all students. ICT tools such as laptops, desktops, LCD projectors, tablets, audio-video aids are being used by teachers in teaching learning process to make it more interactive and effective.

All the class rooms and laboratories are ICT enabled with one smart classroom per department.

Entire campus of the institution is covered with Wi-Fi and LAN based facilities which are powered by 2000 Mbps dedicated lease line which is effectively utilized for teaching-learning process.

Faculty at AIT use various ICT enabled tools to enhance the quality of teaching-learning like-

- Microsoft Teams for online/hybrid mode conduct of classes & tests as well as dissemination of study material.
- Moodle as Learning Management System.
- ERP for student attendance, Student & Teachers database & counseling, parent interaction etc.
- Class WhatsApp group for discussion and sharing.
- Videos, Animation & simulations for demonstration.
- Online quizzes and polls are regularly conducted.
- Teachers have developed e-content and online courses on you tube.
- Library also offers a wide range of e-resources which are extended 24*7 services via remote access facilities to all stakeholders.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	No File Uploaded

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

2.3.3.1 - Number of mentors

73

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	No File Uploaded
Mentor/mentee ratio	No File Uploaded

2.4 - Teacher Profile and Quality

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

84

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

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

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

32

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

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

2.4.3.1 - Total experience of full-time teachers

1072

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

2.5 - Evaluation Process and Reforms

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

Internal assessment of term work is done progressively throughout the semester and students are informed about the weightage given to regularity in submission, completing the practical with due diligence, behavioral aspects, attendance, independent learning and class activities at the very beginning of the course.

To improve student's behavioral aspects, independent learning and communication skills, college has introduced CCCBAS (Co-Curricular Credit based Assessment System). This motivates students to participate in co and extracurricular activities and encourages peer based and collaborative learning.

Honor code is also followed for peer imposed controls on student behavior.

College has to follow the examination time tables of the affiliating university which includes Insem-Exam, Practical/Oral Exam and Insem Exam. In addition, faculty members try to conduct internal assessment through assignments, tests, quizzes, mock tests etc.

File Description	Documents
Any additional information	View File
Link for additional information	https://www.aitpune.com/NAACData/Criteria2/22_23/2_5_1internalassessment.pdf

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

Except term work there is no weightage for internal assessment in the final grading of the students. Hence there is very less chance of grievances by students in internal assessment. If at all any grievance is there the students can submit it to HoD/Principal who will take them up immediately with concerned faculty and redress it.

University evaluation grievances are submitted through the Chief Examination Officer/Student Section to the University in required format. University redresses these grievances.

File Description	Documents
Any additional information	View File
Link for additional information	https://www.aitpune.com/NAACData/Criteria2/22_23/2_5_2dealintexamgrievances.pdf

2.6 - Student Performance and Learning Outcomes

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

All departments in the institute have Program Outcomes (POs) and Program Specific Outcomes (PSOs). These are published on institute website, brochures and displayed at various locations in the departments. All stake holders including faculty and students are made aware about POs and PSOs.

Each course has 4 to 6 Course Outcomes (COs) defined in the syllabus. The subject teacher will use these COs while teaching his course. Students are made aware about them at the beginning of the course by the subject teacher. The COs are mapped with POs by the subject teacher. The teacher will carry out assessment of students based on these COs. The test and assignment questions are mapped to these COs to calculate CO attainment.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://www.aitpune.com/NAACData/Criteria2/22_23/2_6_1TeachersPCPSO.pdf
Upload COs for all Programmes (exemplars from Glossary)	View File

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

All the departments of the institute are accredited by NBA and they follow Outcome Based Education (OBE). The institute has provided guidelines to all concerned through OBE manual. All departments in the institute have Program Outcomes (POs) and Program Specific Outcomes (PSOs). These are published on institute website, brochures and displayed at various locations in the departments. All stake holders including faculty and students are made aware about POs and PSOs.

The following assessment processes are used to calculate attainment of the course outcomes

1. University Examination:

One of the assessment process used to measure course outcome is university examination. This includes: End Sem. Theory Exam, Practical Exam, Oral Exam, Term Work, Online Exams and Mid Sem. Exams. The average weightage for university examination is 70 %.

2. Internal Assessment:

Tool used for internal assessment process is: Tests, Assignments, and Quizzes. The average weightage for internal assessment is 30%.

Attainment of COs are also measured directly through above tools and indirectly through Course Outcome Surveys.

Attainment levels (1/2/3) of CO are measured through predefined target.

Attainment of POs is calculated using CO-PO mapping and attainment level of each CO.

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

2.6.3 - Pass percentage of Students during the year

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

297

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	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.aitpune.com/NAACData/Criteria2/22_23/2_7_1SSS_Analysis.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

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

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

745.78

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

10

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

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

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

1

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	View File
Paste link to funding agency website	Nil

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

To establish culture of self - employment amongst students, and to encourage them to be job creators, the institute established its Innovation and Entrepreneurship Cell in the year 2019. The objective of the cell isto nurture entrepreneurship amongst students and to build ecosystem for incubating student start up initiatives. The cell has conducted different activities in the last two year which include Idea Pitching Competitions, Guest lectures by Successful Entrepreneurs, Seminars by experts on Entrepreneurship Journey and Innovation. I and E Cell has successfully established an ecosystem comprising of Strong Mentor pool, Client Connect through institute and alumni network for current start-ups, Incubation Center connect, Funding Support, IPR Support, Legal and Financial Guidance, and Entrepreneurship Development Training. As an outcome of these activities and with extensive support, guidance from Alumni, the institute boasts of eight startups initiated in different technology domains - Robotics, AI, Deep learning, Energy, EV, etc. Presently, these

startups are in different phases of incubation. Within next two years, the institute aims to build itself as a resource hub for entrepreneurship amongst HEIs and create maximum number of nextGen entrepreneurs.

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

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

11

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

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

7

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	No File Uploaded

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website

during the year

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

51

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

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

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

45

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

3.4 - Extension Activities

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

College has an AIT tenet and honor code for students that they have to by. The AIT tenet is prominently displayed in the main foyer and the code is uploaded on the college website. AIT has a very active Nation Service Scheme (NSS) club and large number of students are members of club. Some of the activities of NSS club are as follows:

- Visit to Orphanages/Boarding houses
- Visit to Blind School Visit to Queen Mary Technical Institute (QMTI)
- Blood donation camps
- Road safety awareness
- Tree plantation

File Description	Documents
Paste link for additional information	https://www.aitpune.com/Clubs/NSS/NSS2022-23.pdf
Upload any additional information	View File

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

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

3

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

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

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

16

File Description	Documents
Reports of the event organized	View File
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

16

File Description	Documents
Report of the event	No File Uploaded
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

454

File Description	Documents
e-copies of related Document	View File
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

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

6

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

College is well equipped with 20 classrooms, 09 tutorial-rooms, 46 laboratories, 02 seminar halls and workshop to ensure effective teaching-learning process with facilities of audio-video and ICT tools. Classrooms and seminar halls have LCD projector and Internet connectivity. Each Department has well maintained and continuously updated laboratories. Two sponsored labs, 3D PLM and EV lab. Total 733 computers out of which 551 computers are for students. Institute has campus wide network based on optical fiber ring (in fail safe mode) connecting academic block and hostels. Backbone connectivity is provided by 2000Mbps lease line connectivity internet (1000Mbps NKN, 500Mbps (Tata Teleservices) and 500Mbps (Power grid)). Network has campus wide WiFi. Institute has mini data center housing multiple servers, firewalls and network storage.

Workshop consists of different facilities for mechanical based practical.

Training and Placement cell provides adequate infrastructure, seminar hall, interview rooms and conference halls for training and placement activities.

AIT has well stock library having adequate hybrid learning resources. Library is well equipped with modern technology to support teaching and research. It has spacious reading hall with 156 seating capacity and Wi-Fi facility.

For physically impaired students, ramps and special toilet are available. For security purpose there is an electronic

surveillance system.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.aitpune.com/NAACData/Criteria4/22_23/4_1_1_Supportdoc.pdf

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

AIT aspires to offer the best opportunity to participate and perform in the most positive spirited cultural, sports activities and other extra-curricular activities to provide opportunities to students to take part in various events. To facilitate this AIT has 08 different facilities to conduct cultural activities, 17 different sport facilities and more than 14 different clubs to provide platform for cultural, sports, co-curricular and extra-curricular activities for overall development of students. AIT has following facilities:

Cultural Activities:

1. Field Marshall Manekshaw Hall
2. Gen. B C Joshi
3. Raman Theatre
4. Music Room
5. Aryabhatta centre Basement
6. Open Air Cafeteria
7. Radio recording and broad casting room
8. Open air dance arena

Sports Activities:

1. Cricket Ground
2. Cricket Net Practice
3. Football Ground
4. Basketball Court
5. Basketball Court (Modified)
6. Table Tennis
7. Badminton Court (Indoor)
8. Badminton Court (Outdoor)
9. Lawn Tennis Court
10. Squash Court

11. Volleyball Court
12. Boxing & Fitness Hall
13. Gym for Boys
14. Gym for Girls
15. Kabbadi Ground
16. SSB Obstacles Court
17. Recreation Room

Clubs:

1. Engineering and Technical Board
2. Cultural and Musical Board
3. Debate, dramatics and Quiz club
4. Fine Arts Club
5. Magazine Board
6. Center of excellence for AI and Robotics
7. NSS Club
8. Sports Club
9. Open Source Software Club
10. Spiritual Club
11. Nature Club
12. Competitive Coding Club
13. Information Security and Digital Forensics Club
14. Cycling Club

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.aitpune.com/NAACData/Criteria4/22_23/4_1_2_Facilities.pdf

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

22

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.aitpune.com/NAACData/Criteria4/22_23/4_1_3_Listofclassrooms.pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

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

874.61

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

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

Details of Library Automation

Name of ILMS Software

SLIM21 System for Library and Information Management

Nature of Automation

Fully

Version

3.9.0

Year of Automation

2005

In year 2005 AIT library purchased SLIM21 Library Management System that manages and integrates multiple core library functions and services. Library has received latest upgraded version to meet technological advances services like reference service, email alert service and OPAC facility are provided by library through LMS.

Reports and Statistics: Variety of reports and statistics are generated through SLIM21 library management system.

Modules implemented in library required for day-to-day library management are Acquisition, Cataloguing, Circulation, Serial Control and Web OPAC.

Acquisition: To maintain bill details of purchased books and journals.

Cataloguing: To create database of books, journals and other learning materials.

Serial Control: Maintaining subscription records of journals and magazines.

Circulation: Performing circulation operation i.e. issue, reissue and return of books and also manage lending rules and fine policies.

Barcode System: Book issue return process is carried out with help of Barcode system. All library books and students cards are bar coded.

Web OPAC: Provides facilities to search for books and journals from library collection. Allows borrowers to view their loans, reissue and reserve the books.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://www.aitpune.com/NAACData/Criteria4/22_23/4_2_1_AddInfo.pdf

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

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

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

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

38.11860

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

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

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

198

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

4.3 - IT Infrastructure

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

Institute has campus wide Enterprise class network Cisco Catalyst Switches connected by optical fiber redundant mode connectivity in academic block and hostels. Backbone connectivity is provided by 2000Mbps (2Gbps) lease line connectivity internet(1000Mbps NKN, 500Mbps(Tata Teleservices) and 500Mbps(Power grid) connectivity). This Network also has campus wide WiFi with Cisco routers also has server center with multiple servers, next generation firewalls and network storage facility.

Institute has adequate IT facilities with 44 softwares used continuously by students and faculty. Application Software such as MATLAB, Auto CAD, computer vision system, Signal processing tools box, SLIM, etc. also has school-campus agreement for Microsoft license.

Institute has Learning Management System (LMS)- Moodle for managing effective teaching learning processes also educational Enterprise Resource Planning (ERP) software is deployed for monitoring student admission and faculty profile as well as interaction with students and their parents.

High performance computing facility is developed to focus on areas such as Deep learning and Machine learning.

Students and staff use high performance workstations, IoT and embedded kits, various types of camera and sensors for various applications of Ubiquitous applications.

All computers are networked with UPS power and three sets of 125 KVA generators are installed to ensure uninterrupted power supply.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.aitpune.com/NAACData/Criteria4/22_23/4_3_1_Instupdates_ITfacilities.pdf

4.3.2 - Number of Computers

554

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	View File

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

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

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

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

170.59

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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

The Joint Director as head of administration has following personnel working for maintenance and administration.

Project officer

Maintenance Cell

Estate officer

Two junior maintenance engineers

Third party contract with conservancy services

In addition trades personnel look after all aspects of maintenance.

Procedure:Registers are maintained for recording complaints of mechanical/electrical and civil maintenance and are put up to head of administration on daily basis,work is allocated as per priorities. Details of work carried out are endorsed in respective log book of each trades man is validated by Jr. Engg. Major maintenance/assets replacement, plan is made along with budget in financial year. Required procurement process is carried out as per SOP. Each laboratory has maintenance and procurement register..

Central storemaintainence spares required for maintenance.

There is separate cell for maintenance of computer, headed by department of computer engineering.

Laboratories, class rooms etc are utilised as per time-table and available to students after college hours on receiving their application for extra activities.

System of Utilisation:

Library: Library works in two shifts:08.30am to 10.00pm from Monday to Saturday and in one shift on Sunday:11.00am to 07.00pm.

Sport: Students use sports facility during designated hours: 06:00am to 07:30am and 04:30pm to 09:00pm.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.aitpune.com/NAACData/Criteria4/22_23/4_4_2_Maint2.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

268

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

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

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

186

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

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

A. All of the above

File Description	Documents
Link to Institutional website	Nil
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

284

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

284

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

A. All of the above

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

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

271

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	View File

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

5.2.2.1 - Number of outgoing student progression to higher education

04

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	No File Uploaded
Details of student progression to higher education	View File

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

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

11

File Description	Documents
Upload supporting data for the same	View File
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

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

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

1

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

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

Objective of student's representation & Engagement is the all-round development leading to the total quality engineers of industry 4.0 & good citizens of the nation. There are following

posts in AIT hold by the students Presidents : General Secretaries
: Ladies Representatives :

All the above posts are held by the Final year students. AIT also has a Robust structure of many students club. Each club is headed by Third year students as Secretary of respective club supported by Joint Secretary for Second Year.

1. Technical/Co-curricular

- Technical Board
- Robotics and AI
- Open Source Software
- Competitive Coding Club
- Information Security and Data Forensic club
- SAE/ Baja (Automotive) Club
- Radio Club
- Maths Club
- eCELL for Innovations

2. Cultural/Extracultural

- Cultural Club
- Music Club
- Debate, Quiz and Dramatics Club
- Magazine Club
- Fine arts club
- Spiritual Club

3. Sports/Outdoors

- Sports Club

- Nature Club
- Cycling Club
- National Service Scheme (NSS) club

1. Administrative

- Students are involved in

? Department Academic advisory committee

? College development committee

? Discipline & Anti Ragging committee

? Food Committee Flank In charges in the Hostel Main activities of clubs

- Inter-branch competitions Aakriti
- Intercollege events Amethysts, Solution and Pace
- Preparation for Hackathons and competitions
- Guidance for placements and careers
- Tech updating
- Outdoor hikes and events Such engagements Pave ways to building of excellent educational institute.

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

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

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

50

File Description	Documents
Report of the event	View File
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

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

AIT has registered Alumni Association under charity commissioner of Pune from 17 June 2000. Alumni association of AIT has its all rules, regulations, & norms properly documented. Total strength of alumni members is 4325. The main controlling body is Alumni Governing Council consists of President, Secretary, & Treasurers. Every pass out students pay Alumni membership fee of Rs. 1100/-. Contribution of Alumni association is categorically divided into

1. Guidance to students through Guest Lecturers.
2. Guidance to start up /E cell for developing new entrepreneurs.
3. Sponsorship to technical events.
4. Scholarship to needy students.
5. Providing Laboratory support.
6. Organizing project competitions.
7. Fetching the industries for campus placements & internships.

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

5.4.2 - Alumni contribution during the year A. ? 5Lakhs (INR in Lakhs)

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

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

Our vision and mission are in tune with the objectives of the Higher Education policies of the nation since pursuit of excellence in chosen field of study and inculcating core values in students is the ultimate goal of Higher Education. Measures taken to translate the vision into activities are,

- Participative management and transparent policies.
- Providing high class infrastructure for academics, sports and cultural activities to produce total quality engineers.
- Synergy with industries for experiential learning and for developing technology leaders.
- Involvement of all stakeholders in decision making bodies.
- A highly secure and fully residential campus with all amenities for providing right conducive environment and to ensure all round development of students.
- Special emphasis on R&D and innovation and entrepreneurship Encouraging peer and self-learning.
- Continuous efforts to interact with R & D institution within country and abroad. Continuous engagement with alumni with higher position in MNCs abroad.

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

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

AIT functions under the aegis of the Army Welfare Education Society (AWES).

- Director provides the link between top management and functionaries of the institute. Along with values and ethos of army culture, there is adequate freedom and decentralization.
- IQAC audits including reviews are held regularly. HoDs further hold their departmental consultations. General Body consisting of external doyens of industry and academia meet once/twice every year and discuss institute progress and policies.
- The CDC meets regularly and discusses all functional issues. Teachers and students have adequate representation in CDC.
- Financial powers are decentralized to HOD. Routine leaves are approved at the department level.
- All important projects are designed by project management committees headed by senior faculty. Employees also nominated for local purchase committee, formulation of SOP and other committees including anti ragging committee, disciplinary committees etc.
- Branch heads, class representatives and club in charges are part of extended student council and manage all student affairs.
- All club activities and competitions are including national level Hackathons are planned, organized and conducted by students under the guidance of club in charges.

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

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Strategic Plan -

The institution has a Strategic Plan for next six years duly approved by the society & is being Implemented in well-thought-out and phased manner. This is aimed at expanding the college vertically and horizontally to get it recognized globally by innovation, research and development work. Implementation details are as follows -

Ø Approved Academic Growth and systematic infrastructure development plans including additional Hostel facilities.

Ø Infrastructure development for UG and PG courses to accommodate more classrooms, laboratories, auditoria, staffrooms etc.

Ø Increase in strength of IT Branch from 60 to 120.

Ø ME Data Science course introduced.

Ø A case for Autonomy of Institute is initiated.

Ø Align the activities as per NEP 2020.

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

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

1. Planning and Development

- After doing GAP analysis, we have developed Perspective/Strategic Plan and deployed on website.

1. Administration

- college encourages Paperless office and support Green Revolution by e-Governance.

- college authorities exercise full supervision of all service modules inoffice through the ERP software.
- Principal liaises with GB members as well as teaching and non-teaching staff through emails and online conferences on MS Teams software.
- All-important administrative information is regularlypublished on college website
- college is connected throughhigh-speed internet of bandwidth1.135 GBPS in hostel for students by 24/7.
- Fully automated, wireless office with 24x7 internet facility.
- salary of substantive staff members is done through TALLY software.
- Biometric and face recognition system attendance for all
- Leave application and approval is done through ERP
- SLIM software is used in Library

1. Finance and Accounts

- accounts of institution are maintained through the Tally software.
- Most of financial transactions is throughTALLY software.

1. Student Admission and Support

- Student Admission is carried out through ERP
- 10 X Smart classrooms with video conferencing facility.

1. Examination

- forms for the SPPU University examinations are filled online
- Under the CBCS method of examination introduced since 2018 marks submission will have to be done through online portal of the university.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	Nil
Upload any additional information	View File

6.2.3 - Implementation of e-governance in A. All of the above

**areas of operation Administration Finance
and Accounts Student Admission and
Support Examination**

File Description	Documents
ERP (Enterprise Resource Planning) Document	No File Uploaded
Screen shots of user inter faces	No File Uploaded
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	No File Uploaded

6.3 - Faculty Empowerment Strategies

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

The institution has implemented robust welfare measures that cater to the well-being of both teaching and non-teaching staff. Institute provides competitive salary as per norms and financial assistant. Contributory Group Medical insurance scheme, Cover per family, Rs 5 Lakh. Accident Insurance cover of Rs 10 Lakh from AWES paid by institute. Contributory Group Term Insurance of Rs 10 Lakh. It also provides special support in event of unfortunate demises in terms of ex gratia payment and donations from staff. In addition gratuity, Diwali bonus (non-Teaching) Retirement benefits like Leave encashment to staff. Sports activity conducted for staff for physical and mental robustness. Also staffs are awarded with Best Teacher, Best Research, Best Result and Best Player. Furthermore, there are professional development programs in place, offering opportunities faculty members to pursue higher education, research through financial support for skill enhancement, career advancement and knowledge upgradation. Incentive for PhD six additional leaves and 2 staff three increments and 6 staff CAS Policy. Mentorship programs facilitate the exchange of expertise among experienced and junior faculty, fostering a collaborative and knowledge-sharing environment. The proofs are attached as apply.

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

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

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

08

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

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

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

16

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

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

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

65

File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

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

Teaching Staff:

Faculty Performance appraisal system based on 360 degree appraisal is used to evaluate the performance of individual faculty member.

Standard format circulated by AICTE/UGC/ 360 Degree feedback is implemented for self-assessment report. The evaluation process considers the teaching responsibilities, administrative duties, and research and development work of every faculty member. All assessment documents can be accessed through our ERP system and manual check is carried out and completed by faculty. Poor performer will motivates to do well in personal Interview.

Non-Teaching Staff:

In case of non-teaching staff standard college format is used. Performance appraisal reports are reviewed by the Department Head, Principal, and Director, and subsequent discussions are held with each individual. Following the Appraisal Report. Top-performing teachers within the top 5 receive commendation letters, while the lowest-performing teachers among the bottom 5 receive counseling/ Motivation letters. These notations are subsequently recorded in their individual service records.

File Description	Documents
Paste link for additional information	https://www.aitpune.com/rules/ACR%20for%20Faculty%20feb2021.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

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

There are well defined processes for sanction of budget to expenditure. An internal approval system for all expenses is in place.

Each purchase and expenditure is scrutinized by the accounts department, Joint Director, Director as well as the Local Purchase Committee. All purchases are authorized as per approved financial powers and for higher value purchase procedure of open tendering and independent technical evaluation and commercial evaluation is carried out. Procedures are based on Govt financial Regulation and given out in SOP.

Internal audit as ordered by Station HQ Kirkee is carried out on quarterly basis by Gazetted Army Officers. Surprise checks are

also ordered by higher authorities. During Administrative Inspection conducted by Patron of the Institute, all expenditures are reviewed.

External financial audits are conducted by certified public accountants, Mr Chandorkar and Mr Limaye, Chartered Accountant, Karve Road, Pune. The audit reports are submitted to HQ AWES formally signed by the Head of the Institute.

Audit objections/Observations raised by the above bodies are settled in reasonable time framed and report submitted.

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

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

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

60.38340

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

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

Majority of AIT budget is from student's fees. Student's fees are finalized as per the policy of Army Welfare Society and perceived requirement which is approved by board of administration of HQ SC before finalizing the budget. Additional funds are mobilized by approaching philanthropist, alumnus. Additional funds are also ask from HQ SC and AWES. Also optimal investment plan ensures maximizing interest investors investments. Sponsorship for individual events are sort from sponsors.

Utilization are carried out by budgeting process.

Departments and clubs submit anticipated expenses. Budgets reviewed and approved by CDC and management. Additional funds set aside if needed. Spending follows SOP and government rules.

Staff receive financial aid for technical events, skill programs, conferences, and workshops. Students also get support for national, international, and state-level competitions. This support results in outstanding performances by our students in these events.

The Institute has a Purchase Committee. It handles quotes, technical evaluations, price comparisons, and negotiations. Their aim is cost-effective procurement of quality equipment. A project officer manages procurement and project completion.

A chartered accountant conducts annual financial audits to ensure adherence to established procedures.

File Description	Documents
Paste link for additional information	https://www.aitpune.com/Rules-and-Regulations.aspx
Upload any additional information	View File

6.5 - Internal Quality Assurance System

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

The Institute has an internal quality assurance cell (IQAC) which was constituted on 25 Feb 2005. IQAC reforms policies time and again as per the guidelines of NAAC. We have reformed IQAC composition on 14 Sept 2022 as follows:

Two Best practices institute follows:

1. Internal and External Academic Audit

- IQAC has trained some senior professors to conduct internal academic audit. These professors have conducted audits in all the departments.
- Once in a year External audit is conducted by an experience officer appointed by Southern command.

- Additional External Audits by academicians was conducted by E&TC, IT and Mechanical Departments.

1. Goals and Targets

- Regular IQAC meetings are held and benchmarks are set or upgraded.
- The performance of all the departments as per the benchmarks is assessed annually and Annual Quality Assurance Report (AQAR) is prepared. This committee periodically reviews the outcome of various academic and administrative committees.

IQAC has contributed significantly in strategizing, formulating, standardizing, and implementing quality policies, initiatives and processes.

The institute has seen a substantial increase in the number of published quality research papers, patents and recognised PhD guides..

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

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

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

1. IQAC takes reviews of syllabus completion in each month through HODs.
2. Monthly Attendance (Monthly attendance is communicated to students. The counselor informs the same to the parents of the defaulters).
3. Result Analysis (Results analysis is done at the departmental level)
4. Appreciation/Motivation Letters have been given to faculty

based on research papers in reputed journals. This resulted into significant increase of research papers in 2022-23 in the reputed journals.

5. The feedback system is revised in 2022-23.

Improvement in the infrastructure of the classrooms, the laboratories, the washrooms, the sports facilities, the hostels, and the staff quarters have greatly contributed to a positive and a vibrant environment in the institute. This in turn has helped improve the results and performance of both the students and the staff.

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

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

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	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

Process of equality leads to equality. There are about 60 % of female members. Women faculty are nominated, based on their ability, as head departments and conveners of various committees and discharging their efficiently. Some of the positions are mentioned below -

1. Dean R & D

2. Two out of five HoD's

3. NAAC Coordinator

4. NIRF coordinator

5. IIC President

6. I & E cell In charge

- Separate Sports facilities for ladies like basketball ground, badminton ground, Pool table independent gymnasium

- Facility of children park for kids of faculty and staff is available.

- Maternity Leave is provided to lady faculty and staff members

- There are some scholarships which are only for girls like Pragati, Scholarship and Badve scholarship

- Motivational talks are being arranged from Alumni girl students.

- Many girls are joining armed forces.

File Description	Documents
Annual gender sensitization action plan	https://www.aitpune.com/NAACData/Criteria7/2022-23/7_1_1_a.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://www.aitpune.com/NAACData/Criteria7/2022-23/7_1_1_b.pdf

7.1.2 - The Institution has facilities for

A. 4 or All of the above

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

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

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

AIT has designed methods for management of waste generated in campus basic Waste management strategy of 3R's: Reduce, Reuse and Recycle i.e. Reduce the amount of waste generated, Reuse everything to its maximum proper segregation and cleaning and keeping things which can be Recyclable and handed over to appropriate agencies. The waste generated in the campus include liquid waste and solid waste. No classified hazardous waste is generated in the campus.

Solid waste Management Biodegradable waste includes food waste, vegetable peels, leaves etc. Food waste and non-biodegradable waste are collect in separate bins. Biodegradable waste is disposed collected for animal feed.

Liquid Waste Management Water recycling or waste water treatment plant of 2,00,000 liters capacity has been constructed. The principle of treatment is based on Phytoid technology.

Waste recycling system the non-biodegradable solid waste generated in the campus include, paper, plastics, metal cans etc. Two sheds have been constructed for collection and segregation of the solid waste. These sold to recyclers.

E-waste management E waste generated is first reused in the campus. Then discarded waste is disposed off by board of officers to authorized vendors.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus A. Any 4 or all of the above

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

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: A. Any 4 or All of the above

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

File Description	Documents
Geo tagged 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 are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the A. Any 4 or all of the above

**following 1.Green audit 2. Energy audit
3.Environment audit 4.Clean and green
campus recognitions/awards 5. Beyond the
campus environmental promotional activities**

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	No File Uploaded
Any other relevant information	No File Uploaded

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms.

Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment

5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

A. Any 4 or all of the above

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

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

Students at AIT are wards of army personnel and as such importance

of tolerance and harmony has been ingrained in them. Institute works towards eradicating stereotypes and enhancing self-esteem.

Along with curriculum, additional communication and soft skills class conducted for freshers Grievance Redressed cell, Internal Complaint Cell, Equal Opportunity Cell for Disabled student and Staff and Anti Ragging Committee aims at social protection, ensuring tolerance and harmony, vulnerability, empowering women, and girls, cultural and regional including Industrial visits expose students to the practical challenges and also the students from different backgrounds adapt to one another.

During national festivals and other events of the college, Director of institute and eminent personalities are invited to emphasize the importance of tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities NSS and Spiritual club activities institution mitigate the socioeconomic diversities and progress them leading to a tolerant and harmonious living.

Cultural club and NSS organizes competitions in street plays, skits a choreography to educates the students and makes them aware of their responsibilities and understand the implications of their actions. That seen during the inter branch event Aakriti.

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

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

AIT Sensitizes students of institution to the constitutional obligation Values, rights, duties and responsibilities of citizens. Staff is encouraged to behave like role models for students. Students study courses Human Social Sciences.

The institute hoists the flag during national festivals. Director of institute addresses students and staff to emphasize duties and responsibilities of citizens. Students are given responsibilities for Conducting various intra and inter college events, under

guidance of College establishes policies that reflect core values. Code of conduct Prepared for students and staff.

College curriculum is framed with mandatory courses like Professional and human values, Constitution of India, Essence of Indian Traditional Knowledge, three weeks Orientation Program as a small step to inculcate constitutional obligations among the students. Guest lectures by eminent personalities on ethics, values, duties, responsibilities and environment are conducted. Institute organized awareness program on "rules and regulations".

NSS activities of our institution has affinity for Philanthropic which include donation of time or resources to government, charities organizations at local, national levels to help victims during natural disasters. Institute conducted awareness programs and rallies on ban plastics, cleanliness, Swachh Bharat etc. involving students. S2A2I2 (Southern Star Army Academia Industry Interface) event under R & D is conducted. Various workshop & events get arranged.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://www.aitpune.com/NAACData/Criteria7/2022-23/7_1_9_a.pdf
Any other relevant information	https://www.aitpune.com/NAACData/Criteria7/2022-23/7_1_9_b.pdf

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

4. Annual awareness programmes on Code of Conduct are organized

A. All of the above

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

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

The institute aims to inculcate values and nationalism in students by celebrating national festivals and birth anniversaries of great Indian personalities in college campus every Year.

Celebrations include flag-hoisting, Project Exhibitions, Poster Presentation and Essay Writing & Elocution. Eminent personalities are invited to motivate staff and students.

Following various days are celebrated at AIT: Independence day, Republic Day, Teachers Day, International Yoga Day, Kargil Vijay Diwas, Womens Day, Environmental Day. AIT is mainly a residential institute. Celebrations of festivals is thus a point of the college life. Festivals like Janamasthami, Shivratri, Ram Navami are celebrated at Sarva Dhrma Sthal and a langar is organized. The students are enthusiastically organize the event and help with seating, serving and cleaning. Lodhi is celebrated with a bonfire. Dassera is celebrated with crackers and Ravana dahan, Christmas is celebrated with merriment, where students cut and share cakes.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	View File

7.2 - Best Practices

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

(1) Curriculum Enrichment Measures

This practice was implemented in order to enrich the existing curriculum and give hands on experience to our students as per industry expectations.

Curriculum revision takes place every four to five years by affiliating university. However, in order to keep the students in pace with the current and latest developments in the industry, additional curriculum enrichment measures have been introduced in the college.

Curriculum enrichment is done by following measures: -

- Value added evening courses Organization of large number expert lectures on latest developments in the respective branch by every department.
- Student internships
- Project based learning
- Technical club activities Scholarship details

Excellent results of our students in the examinations, student achievements in co-curricular activities and consistent placement percentages 96% are proof of the success of this practice.

(2) Green Environment Initiatives

This practice was implemented to reduce the institute's carbon footprint make the campus green. Also, student participation in these initiatives makes them responsible citizens.

The growing concern for environmental protection and conservation led the institute to implement a large number of green environment initiatives.

The main initiatives are as follows-

Energy conservation Use of renewable energy Water harvesting Tree Plantation

File Description	Documents
Best practices in the Institutional website	https://www.aitpune.com/NAACData/Criteria7/2022-23/7_2/BestPractices.pdf
Any other relevant information	https://www.aitpune.com/NAACData/Criteria7/2022-23/7_2_b.pdf

7.3 - Institutional Distinctiveness

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

AIT is Unique HEI with objective of providing high quality technical education to wards of army personnel. It's a fully residential Institute for wards of army personnel. Besides academic department, college has Training and Placement Cell which runs as special department with the vision: To enhance branding and employability of AIT students by imparting necessary knowledge and skills through best training initiatives to meet expectations of all types of Industries , with necessary interaction with industry and alumni.

- To ensure high quality sustainable placement the T and P cell has taken systematic initiative which which includes skill development training on communication skills interview skills .Internship opportunities are provided to majority of the students .

- Actions taken by T&P Cell : Systematic training measures Industry HR and Tech talk Exclusive portal <https://aitplacements.in/> for literature sharing and updates. Experience sharing platform 'Anubhav' developed by OSS club. Special AI based Mock PI by Go Prac organization

- The skills are tested by conducting AMCAT personality test and professional guidance is made available

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

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

AIT follows the curriculum prescribed by Savitribai Phule Pune University. HOD obtains choices of subjects from the faculty. Based on their expertise and equitable load distribution, allocates the teaching load to faculty. Choice is given to students to opt for elective subjects and are briefed about the importance and relevance the electives. Semester timetable is prepared and displayed well in advance. The faculty prepare their lesson plans keeping in mind course outcomes, mapping with CO, PO and PSO, and upload the same unit-wise on ERP / Moodle. Syllabus, lesson plan, ppts, notes, videos / simulations, laboratory manual and links to useful web sites, are displayed on ERP / Moodle for student reference. Weekly timetables are prepared and displayed every week. Student attendance is recorded regularly on ERP through biometric devices. Feedback is meticulously obtained through assignments, unit tests, insem examination etc. Progress of curriculum delivery, student attendance, and student performances is monitored during HoD conferences. Co and extra-curricular activities, guest lectures, value added courses etc, displayed in academic calendar help to fill gaps in curriculum, aid in all round development and employability of students. Academic audits are conducted as per SOP issued by Internal Quality Assurance Cell (IQAC).

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://www.aitpune.com/NAACData/Criteria_1/22_23/1_1_1.pdf

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

Before commencement of each semester institute prepares its own academic calendar, adhering to the university calendar, student co and extra-curricular activities, social initiatives, exam

schedules and holidays. Based on this, every department prepares its calendar showcasing additional departmental details. Various intra and inter college events are conducted as scheduled. Delivery of curriculum and conduct of events is uploaded on ERP, by each faculty and monitored by HoDs and Principal. Biometric record of student's daily attendance is maintained on ERP and absences of student is communicated to parents by counselor regularly. Cumulative attendance and Defaulter student lists are displayed every month as per the procedure. Absent students are given extra assignments / tests to make up for their absence. Continuous assessment records for practical, tests, assignment and project is also maintained and monitored by HoD and Principal. Departments conduct project progress review and seminar presentations as per standard procedure based on academic calendar. Thus, it's observed that institute adheres to academic calendar for conduct of CIE and all other activities during the semester.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://www.aitpune.com/NAACData/Criteria_1/22_23/1_1_2.pdf

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

A. All of the above

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

1.2 - Academic Flexibility	
1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented	
1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented	
4	
File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	View File
1.2.2 - Number of Add on /Certificate programs offered during the year	
1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)	
03	
File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File
1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year	
417	
File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File
1.3 - Curriculum Enrichment	
1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human	

Values, Environment and Sustainability into the Curriculum

AIT Core values are applicable to all employees and students and displayed at strategic places. AITians follow an Honor Code. It says An AIT student will not lie, cheat or steal; we will neither indulge in ragging, smoking, consuming alcohol or use psychotropic substances (drugs), nor tolerate those who do so. A three week Induction Program for First Year students is conducted, as per the guidelines of AICTE. This includes sessions on universal human values, mental, emotional and health, environmental awareness, ecological balance, meditation and Yoga, soft skills, creative practices, and gender sensitivity. First year students have compulsory audit course on Environmental Studies in both first and second semester, which aims to sensitize them about various environmental concerns and sustainability. Many outdoor sessions are also organized to emphasize on this. AIT has Spiritual club, Nature club and NSS team, whose activities are planned and included in academic calendar and budgetary provisions made for them. NSS yearly camps as per guidelines of SPPU are conducted, which focus on various social activities and sustainability. Students have also formed a Rotaract Club, which conducts social service and awareness activities/ Institute also has Internal Complaints Committee (ICC) in place

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

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

13

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	View File

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

1393

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

1.4 - Feedback System

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

File Description	Documents
URL for stakeholder feedback report	https://www.aitpune.com/NAACData/Criteria_1/22_23/1_4_1.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	No File Uploaded
Any additional information	View File

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

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

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://www.aitpune.com/NAACData/Criteria_1/22_23/1_4_2.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

369

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

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

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

369

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

2.2 - Catering to Student Diversity

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

Students in AIT being wards of army personnel come from all parts of India. Institution employs several methods to assess students. During admission and induction their interests, soft skills and coding abilities are evaluated. On the basis of this and their JEE merit, subject teachers identify slow and advanced learners. This is further verified during class room interactions and internal tests. Special efforts are made to enhance the performance of slow learners as below:

- Bilingual mode of teaching for students weak in English
- Remedial classes
- Personal attention
- Motivation by faculty mentors.
- Support from student mentors in academics
- Special notes, assignments and solving question papers.
- Providing Question bank
- Mock examination

Advanced learners are guided and encouraged towards challenging goals through following efforts:

- Providing value added courses to enhance the skills.
- Encouragement to complete MOOC courses
- Book bank facility.
- Participation in incubation center, clubs, workshops, projects, hackathons, publications and patent filing.
- Motivation for higher studies.
- To motivate students to do their best, number of scholarships and awards are established. Institute provides special soft skills training and counseling to all learners which helps them plan their career.

File Description	Documents
Paste link for additional information	https://www.aitpune.com/NAACData/Criteria/2/22_23/2_2_1SlowAdvLearner.pdf
Upload any additional information	View File

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

Number of Students	Number of Teachers
1394	84

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

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

Following student centric methods are followed in AIT:

- Collaborative Learning: Student teams are formed for working jointly to solve a problem, complete a task/project, and participate in debates or design products.
- Inquiry-based Learning: Students are encouraged to make use of resources beyond classroom, for investigation of open ended problems.
- Cooperative Learning: Students work together to maximize their own and each other's learning in clubs & student chapters. Student mentor mentee system has been designed helps in cooperative learning.
- Learning based on Problem Solving: In projects/competitions, participating students are assigned different tasks, assignments, and responsibilities.
- Peer Led Team Learning: This is realized when students under guidance of faculty in-charge organize intra and inter college events like Aakriti, PACE and Solutions.
- Experiential learning: The faculty members foster learning environment using experimentation, demonstration, visual-aids, and organizing industrial visits. Field based experiential learning like Internship

add to hands on experience. The institution practices experiential learning by taking students to the Old age home and orphanages, conducting blood donation, and Swachh Bharat Abhiyan etc.

- Project based learning: University has introduced Project Based Learning in FE. In SE students complete a mini project while mini project in TE and major project in BE are credit courses.

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

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

Teachers use a diverse set of ICT tools for teaching learning. They use various means to integrate ICT into teaching learning process which is accessible to all students. ICT tools such as laptops, desktops, LCD projectors, tablets, audio-video aids are being used by teachers in teaching learning process to make it more interactive and effective.

All the class rooms and laboratories are ICT enabled with one smart classroom per department.

Entire campus of the institution is covered with Wi-Fi and LAN based facilities which are powered by 2000 Mbps dedicated lease line which is effectively utilized for teaching-learning process.

Faculty at AIT use various ICT enabled tools to enhance the quality of teaching-learning like-

- Microsoft Teams for online/hybrid mode conduct of classes & tests as well as dissemination of study material.
- Moodle as Learning Management System.
- ERP for student attendance, Student & Teachers database & counseling, parent interaction etc.
- Class WhatsApp group for discussion and sharing.
- Videos, Animation & simulations for demonstration.
- Online quizzes and polls are regularly conducted.
- Teachers have developed e-content and online courses on

you tube.

- Library also offers a wide range of e-resources which are extended 24*7 services via remote access facilities to all stakeholders.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	No File Uploaded

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

2.3.3.1 - Number of mentors

73

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	No File Uploaded
Mentor/mentee ratio	No File Uploaded

2.4 - Teacher Profile and Quality

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

84

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

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality /

D.Sc. / D.Litt. during the year (consider only highest degree for count)**2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year**

32

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

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)**2.4.3.1 - Total experience of full-time teachers**

1072

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

2.5 - Evaluation Process and Reforms

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

Internal assessment of term work is done progressively throughout the semester and students are informed about the weightage given to regularity in submission, completing the practical with due diligence, behavioral aspects, attendance, independent learning and class activities at the very beginning of the course.

To improve student's behavioral aspects, independent learning and communication skills, college has introduced CCCBAS (Co-Curricular Credit based Assessment System). This motivates students to participate in co and extracurricular activities and encourages peer based and collaborative learning.

Honor code is also followed for peer imposed controls on student behavior.

College has to follow the examination time tables of the affiliating university which includes Insem-Exam, Practical/Oral Exam and Insem Exam. In addition, faculty members try to conduct internal assessment through assignments, tests, quizzes, mock tests etc.

File Description	Documents
Any additional information	View File
Link for additional information	https://www.aitpune.com/NAACData/Criteria/2/22_23/2_5_1internalassessment.pdf

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

Except term work there is no weightage for internal assessment in the final grading of the students. Hence there is very less chance of grievances by students in internal assessment. If at all any grievance is there the students can submit it to HoD/Principal who will take them up immediately with concerned faculty and redress it.

University evaluation grievances are submitted through the Chief Examination Officer/Student Section to the University in required format. University redresses these grievances.

File Description	Documents
Any additional information	View File
Link for additional information	https://www.aitpune.com/NAACData/Criteria/2/22_23/2_5_2dealintexamgrievances.pdf

2.6 - Student Performance and Learning Outcomes

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

All departments in the institute have Program Outcomes (POs) and Program Specific Outcomes (PSOs). These are published on institute website, brochures and displayed at various locations in the departments. All stake holders including faculty and students are made aware about POs and PSOs.

Each course has 4 to 6 Course Outcomes (COs) defined in the syllabus. The subject teacher will use these COs while teaching his course. Students are made aware about them at the beginning of the course by the subject teacher. The COs are mapped with POs by the subject teacher. The teacher will carry out assessment of students based on these COs. The test and assignment questions are mapped to these COs to calculate CO attainment.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://www.aitpune.com/NAACData/Criteria/2/22_23/2_6_1TeachersPCPSO.pdf
Upload COs for all Programmes (exemplars from Glossary)	View File

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

All the departments of the institute are accredited by NBA and they follow Outcome Based Education (OBE). The institute has provided guidelines to all concerned through OBE manual. All departments in the institute have Program Outcomes (POs) and Program Specific Outcomes (PSOs). These are published on institute website, brochures and displayed at various locations in the departments. All stake holders including faculty and students are made aware about POs and PSOs.

The following assessment processes are used to calculate attainment of the course outcomes

1. University Examination:

One of the assessment process used to measure course outcome is university examination. This includes: End Sem. Theory Exam, Practical Exam, Oral Exam, Term Work, Online Exams and Mid Sem. Exams. The average weightage for university examination is 70 %.

2. Internal Assessment:

Tool used for internal assessment process is: Tests,

Assignments, and Quizzes. The average weightage for internal assessment is 30%.

Attainment of COs are also measured directly through above tools and indirectly through Course Outcome Surveys.

Attainment levels (1/2/3) of CO are measured through predefined target.

Attainment of POs is calculated using CO-PO mapping and attainment level of each CO.

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

2.6.3 - Pass percentage of Students during the year

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

297

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	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.aitpune.com/NAACData/Criteria2/22_23/2_7_1SSS_Analysis.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)**3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)****745.78**

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)**3.1.2.1 - Number of teachers recognized as research guides****10**

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

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year**3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year****1**

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	View File
Paste link to funding agency website	Nil

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

To establish culture of self - employment amongst students, and to encourage them to be job creators, the institute established its Innovation and Entrepreneurship Cell in the year 2019. The objective of the cell isto nurture entrepreneurship amongst students and to build ecosystem for incubating student start up initiatives. The cell has conducted different activities in the last two year which include Idea Pitching Competitions, Guest lectures by Successful Entrepreneurs, Seminars by experts on Entrepreneurship Journey and Innovation. I and E Cell has successfully established an ecosystem comprising of Strong Mentor pool, Client Connect through institute and alumni network for current start-ups, Incubation Center connect, Funding Support, IPR Support, Legal and Financial Guidance, and Entrepreneurship Development Training. As an outcome of these activities and with extensive support, guidance from Alumni, the institute boasts of eight startups initiated in different technology domains - Robotics, AI, Deep learning, Energy, EV, etc. Presently, these startups are in different phases of incubation. Within next two years, the institute aims to build itself as a resource hub for entrepreneurship amongst HEIs and create maximum number of nextGen entrepreneurs.

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

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year**3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year**

11

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

3.3 - Research Publications and Awards**3.3.1 - Number of Ph.Ds registered per eligible teacher during the year****3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year**

7

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	No File Uploaded

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year**3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year**

51

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

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

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

45

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

3.4 - Extension Activities

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

College has an AIT tenet and honor code for students that they have to by. The AIT tenet is prominently displayed in the main foyer and the code is uploaded on the college website. AIT has a very active Nation Service Scheme (NSS) club and large number of students are members of club. Some of the activities of NSS club are as follows:

- Visit to Orphanages/Boarding houses
- Visit to Blind School Visit to Queen Mary Technical Institute (QMTI)
- Blood donation camps
- Road safety awareness
- Tree plantation

File Description	Documents
Paste link for additional information	https://www.aitpune.com/Clubs/NSS/NSS2022-23.pdf
Upload any additional information	View File

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

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

3

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

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

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

16

File Description	Documents
Reports of the event organized	View File
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

16

File Description	Documents
Report of the event	No File Uploaded
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

454

File Description	Documents
e-copies of related Document	View File
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

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

6

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

College is well equipped with 20 classrooms, 09 tutorial-rooms, 46 laboratories, 02 seminar halls and workshop to ensure effective teaching-learning process with facilities of audio-video and ICT tools. Classrooms and seminar halls have LCD projector and Internet connectivity. Each Department has well maintained and continuously updated laboratories. Two sponsored labs, 3D PLM and EV lab. Total 733 computers out of which 551 computers are for students. Institute has campus wide network based on optical fiber ring (in fail safe mode) connecting academic block and hostels. Backbone connectivity is provided by 2000Mbps lease line connectivity internet (1000Mbps NKN, 500Mbps (Tata Teleservices) and 500Mbps (Power grid)). Network has campus wide WiFi. Institute has mini data center housing multiple servers, firewalls and network storage.

Workshop consists of different facilities for mechanical based practical.

Training and Placement cell provides adequate infrastructure, seminar hall, interview rooms and conference halls for training and placement activities.

AIT has well stock library having adequate hybrid learning resources. Library is well equipped with modern technology to support teaching and research. It has spacious reading hall with 156 seating capacity and Wi-Fi facility.

For physically impaired students, ramps and special toilet are available. For security purpose there is an electronic

surveillance system.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.aitpune.com/NAACData/Criteria/4/22_23/4_1_1_Supportdoc.pdf

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

AIT aspires to offer the best opportunity to participate and perform in the most positive spirited cultural, sports activities and other extra-curricular activities to provide opportunities to students to take part in various events. To facilitate this AIT has 08 different facilities to conduct cultural activities, 17 different sport facilities and more than 14 different clubs to provide platform for cultural, sports, co-curricular and extra-curricular activities for overall development of students. AIT has following facilities:

Cultural Activities:

1. Field Marshall Manekshaw Hall
2. Gen. B C Joshi
3. Raman Theatre
4. Music Room
5. Aryabhatta centre Basement
6. Open Air Cafeteria
7. Radio recording and broad casting room
8. Open air dance arena

Sports Activities:

1. Cricket Ground
2. Cricket Net Practice
3. Football Ground
4. Basketball Court
5. Basketball Court (Modified)
6. Table Tennis
7. Badminton Court (Indoor)
8. Badminton Court (Outdoor)
9. Lawn Tennis Court
10. Squash Court

- 11. Volleyball Court
- 12. Boxing & Fitness Hall
- 13. Gym for Boys
- 14. Gym for Girls
- 15. Kabbadi Ground
- 16. SSB Obstacles Court
- 17. Recreation Room

Clubs:

- 1. Engineering and Technical Board
- 2. Cultural and Musical Board
- 3. Debate, dramatics and Quiz club
- 4. Fine Arts Club
- 5. Magazine Board
- 6. Center of excellence for AI and Robotics
- 7. NSS Club
- 8. Sports Club
- 9. Open Source Software Club
- 10. Spiritual Club
- 11. Nature Club
- 12. Competitive Coding Club
- 13. Information Security and Digital Forensics Club
- 14. Cycling Club

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.aitpune.com/NAACData/Criteria_4/22_23/4_1_2_Facilities.pdf

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

22

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.aitpune.com/NAACData/Criteria4/22_23/4_1_3_Listofclassrooms.pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

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

874.61

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

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

Details of Library Automation

Name of ILMS Software

SLIM21 System for Library and Information Management

Nature of Automation

Fully

Version

3.9.0

Year of Automation

2005

In year 2005 AIT library purchased SLIM21 Library Management System that manages and integrates multiple core library functions and services. Library has received latest upgraded version to meet technological advances services like reference service, email alert service and OPAC facility are provided by library through LMS.

Reports and Statistics: Variety of reports and statistics are generated through SLIM21 library management system.

Modules implemented in library required for day-to-day library management are Acquisition, Cataloguing, Circulation, Serial Control and Web OPAC.

Acquisition: To maintain bill details of purchased books and journals.

Cataloguing: To create database of books, journals and other learning materials.

Serial Control: Maintaining subscription records of journals and magazines.

Circulation: Performing circulation operation i.e. issue, reissue and return of books and also manage lending rules and fine policies.

Barcode System: Book issue return process is carried out with help of Barcode system. All library books and students cards are bar coded.

Web OPAC: Provides facilities to search for books and journals from library collection. Allows borrowers to view their loans, reissue and reserve the books.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://www.aitpune.com/NAACData/Criteria/4/22_23/4_2_1_AddInfo.pdf

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

A. Any 4 or more of the above

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

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

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

38.11860

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

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

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

198

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

4.3 - IT Infrastructure

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

Institute has campus wide Enterprise class network Cisco Catalyst Switches connected by optical fiber redundant mode connectivity in academic block and hostels. Backbone connectivity is provided by 2000Mbps (2Gbps) lease line connectivity internet(1000Mbps NKN, 500Mbps(Tata Teleservices) and 500Mbps(Power grid) connectivity). This Network also has campus wide WiFi with Cisco routers also has server center with multiple servers, next generation firewalls and network storage facility.

Institute has adequate IT facilities with 44 softwares used continuously by students and faculty. Application Software such as MATLAB, Auto CAD, computer vision system, Signal processing tools box, SLIM, etc. also has school-campus agreement for Microsoft license.

Institute has Learning Management System (LMS)- Moodle for managing effective teaching learning processes also educational Enterprise Resource Planning (ERP) software is deployed for monitoring student admission and faculty profile as well as interaction with students and their parents.

High performance computing facility is developed to focus on areas such as Deep learning and Machine learning.

Students and staff use high performance workstations, IoT and embedded kits, various types of camera and sensors for various applications of Ubiquitous applications.

All computers are networked with UPS power and three sets of 125 KVA generators are installed to ensure uninterrupted power supply.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.aitpune.com/NAACData/Criteria4/22_23/4_3_1_Instupdates_ITfacilities.pdf

4.3.2 - Number of Computers

554

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure**4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)****4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)**

170.59

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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

The Joint Director as head of administration has following personnel working for maintenance and administration.

Project officer

Maintenance Cell

Estate officer

Two junior maintenance engineers

Third party contract with conservancy services

In addition trades personnel look after all aspects of maintenance.

Procedure:Registers are maintained for recording complaints of mechanical/electrical and civil maintenance and are put up to head of administration on daily basis, work is allocated as per priorities. Details of work carried out are endorsed in respective log book of each trades man is validated by Jr. Engg. Major maintenance/assets replacement, plan is made along with budget in financial year. Required procurement process is carried out as per SOP. Each laboratory has maintenance and procurement register..

Central store maintainence spares required for maintenance.

There is separate cell for maintenance of computer, headed by department of computer engineering.

Laboratories, class rooms etc are utilised as per time-table and

available to students after college hours on receiving their application for extra activities.

System of Utilisation:

Library: Library works in two shifts: 08.30am to 10.00pm from Monday to Saturday and in one shift on Sunday: 11.00am to 07.00pm.

Sport: Students use sports facility during designated hours: 06:00am to 07:30am and 04:30pm to 09:00pm.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.aitpune.com/NAACData/Criteria4/22_23/4_4_2_Maint2.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

268

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

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

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

186

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

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

A. All of the above

File Description	Documents
Link to Institutional website	Nil
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

284

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

284

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

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

A. All of the above

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

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

271

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	View File

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

5.2.2.1 - Number of outgoing student progression to higher education

04

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	No File Uploaded
Details of student progression to higher education	View File

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

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

11

File Description	Documents
Upload supporting data for the same	View File
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports/cultural

activities at university/state/national / international level (award for a team event should be counted as one) during the year

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

1

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

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

Objective of student's representation & Engagement is the all-round development leading to the total quality engineers of industry 4.0 & good citizens of the nation. There are following posts in AIT hold by the students Presidents : General Secretaries : Ladies Representatives :

All the above posts are held by the Final year students. AIT also has a Robust structure of many students club. Each club is headed by Third year students as Secretary of respective club supported by Joint Secretary for Second Year.

1. Technical/Co-curricular

- Technical Board
- Robotics and AI
- Open Source Software
- Competitive Coding Club
- Information Security and Data Forensic club

- SAE/ Baja (Automotive) Club

- Radio Club

- Maths Club

- eCELL for Innovations

2. Cultural/Extracultural

- Cultural Club

- Music Club

- Debate, Quiz and Dramatics Club

- Magazine Club

- Fine arts club

- Spiritual Club

3. Sports/Outdoors

- Sports Club

- Nature Club

- Cycling Club

- National Service Scheme (NSS) club

1. Administrative

- Students areinvolved in

- ? Department Academic advisory committee

- ? College development committee

- ? Discipline & Anti Ragging committee

- ? Food Committee Flank In charges in the Hostel Main activities of clubs

- Inter-branch competitions Aakriti

- Intercollege events Amethysts, Solution and Pace
- Preparation for Hackathons and competitions
- Guidance for placements and careers
- Tech updating
- Outdoor hikes and events Such engagements Pave ways to building of excellent educational institute.

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

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

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

50

File Description	Documents
Report of the event	View File
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions) (Data Template)	View File

5.4 - Alumni Engagement

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

AIT has registered Alumni Association under charity commissioner of Pune from 17 June 2000. Alumni association of AIT has its all rules, regulations, & norms properly documented. Total strength of alumni members is 4325. The main

controlling body is Alumni Governing Council consists of President, Secretary, & Treasurers. Every pass out students pay Alumni membership fee of Rs. 1100/-. Contribution of Alumni association is categorically divided into

1. Guidance to students through Guest Lecturers.
2. Guidance to start up /E cell for developing new entrepreneurs.
3. Sponsorship to technical events.
4. Scholarship to needy students.
5. Providing Laboratory support.
6. Organizing project competitions.
7. Fetching the industries for campus placements & internships.

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

5.4.2 - Alumni contribution during the year (INR in Lakhs) A. ? 5Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

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

Our vision and mission are in tune with the objectives of the Higher Education policies of the nation since pursuit of excellence in chosen field of study and inculcating core values

in students is the ultimate goal of Higher Education. Measures taken to translate the vision into activities are,

- Participative management and transparent policies.
- Providing high class infrastructure for academics, sports and cultural activities to produce total quality engineers.
- Synergy with industries for experiential learning and for developing technology leaders.
- Involvement of all stakeholders in decision making bodies.
- A highly secure and fully residential campus with all amenities for providing right conducive environment and to ensure all round development of students.
- Special emphasis on R&D and innovation and entrepreneurship Encouraging peer and self-learning.
- Continuous efforts to interact with R & D institution within country and abroad. Continuous engagement with alumni with higher position in MNCs abroad.

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

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

AIT functions under the aegis of the Army Welfare Education Society (AWES).

- Director provides the link between top management and functionaries of the institute. Along with values and ethos of army culture, there is adequate freedom and decentralization.
- IQAC audits including reviews are held regularly. HoDs further hold their departmental consultations. General Body consisting of external doyens of industry and academia meet once/twice every year and discuss institute progress and policies.

- The CDC meets regularly and discusses all functional issues. Teachers and students have adequate representation in CDC.
- Financial powers are decentralized to HOD. Routine leaves are approved at the department level.
- All important projects are designed by project management committees headed by senior faculty. Employees also nominated for local purchase committee, formulation of SOP and other committees including anti ragging committee, disciplinary committees etc.
- Branch heads, class representatives and club in charges are part of extended student council and manage all student affairs.
- All club activities and competitions are including national level Hackathons are planned, organized and conducted by students under the guidance of club in charges.

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

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Strategic Plan -

The institution has a Strategic Plan for next six years duly approved by the society & is being Implemented in well-thought-out and phased manner. This is aimed at expanding the college vertically and horizontally to get it recognized globally by innovation, research and development work. Implementation details are as follows -

Ø Approved Academic Growth and systematic infrastructure development plans including additional Hostel facilities.

Ø Infrastructure development for UG and PG courses to accommodate more classrooms, laboratories, auditoria, staffrooms etc.

Ø Increase in strength of IT Branch from 60 to 120.

Ø ME Data Science course introduced.

Ø A case for Autonomy of Institute is initiated.

Ø Align the activities as per NEP 2020.

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

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

1. Planning and Development

- After doing GAP analysis, we have developed Perspective/Strategic Plan and deployed on website.

1. Administration

- college encourages Paperless office and support Green Revolution by e-Governance.
- college authorities exercise full supervision of all service modules in office through the ERP software.
- Principal liaises with GB members as well as teaching and non-teaching staff through emails and online conferences on MS Teams software.
- All-important administrative information is regularly published on college website
- college is connected through high-speed internet of bandwidth 1.135 GBPS in hostel for students by 24/7.
- Fully automated, wireless office with 24x7 internet facility.
- salary of substantive staff members is done through TALLY software.
- Biometric and face recognition system attendance for all
- Leave application and approval is done through ERP
- SLIM software is used in Library

1. Finance and Accounts

- accounts of institution are maintained through the Tally software.
- Most of financial transactions is through TALLY software.

1. Student Admission and Support

- Student Admission is carried out through ERP
- 10 X Smart classrooms with video conferencing facility.

1. Examination

- forms for the SPPU University examinations are filled online
- Under the CBCS method of examination introduced since 2018 marks submission will have to be done through online portal of the university.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	Nil
Upload any additional information	View File

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	No File Uploaded
Screen shots of user inter faces	No File Uploaded
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	No File Uploaded

6.3 - Faculty Empowerment Strategies

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

The institution has implemented robust welfare measures that cater to the well-being of both teaching and non-teaching staff. Institute provides competitive salary as per norms and financial assistant. Contributory Group Medical insurance scheme, Cover per family, Rs 5 Lakh. Accident Insurance cover of Rs 10 Lakh from AWES paid by institute. Contributory Group Term Insurance of Rs 10 Lakh. It also provides special support in event of unfortunate demises in terms of ex gratia payment and donations from staff. In addition gratuity, Diwali bonus (non-Teaching) Retirement benefits like Leave encashment to staff. Sports activity conducted for staff for physical and mental robustness. Also staffs are awarded with Best Teacher, Best Research, Best Result and Best Player. Furthermore, there are professional development programs in place, offering opportunities faculty members to pursue higher education, research through financial support for skill enhancement, career advancement and knowledge upgradation. Incentive for PhD six additional leaves and 2 staff three increments and 6 staff CAS Policy. Mentorship programs facilitate the exchange of expertise among experienced and junior faculty, fostering a collaborative and knowledge-sharing environment. The proofs are attached as apply.

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

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

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

08

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

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

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

16

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

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

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

65

File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

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

Teaching Staff:

Faculty Performance appraisal system based on 360 degree appraisal is used to evaluate the performance of individual faculty member. Standard format circulated by AICTE/UGC/ 360 Degree feedback is implemented for self-assessment report. The evaluation process considers the teaching responsibilities, administrative duties, and research and development work of every faculty member. All assessment documents can be accessed through our ERP system and manual check is carried out and completed by faculty. Poor performer will motivates to do well in personal Interview.

Non-Teaching Staff:

In case of non-teaching staff standard college format is used. Performance appraisal reports are reviewed by the Department Head, Principal, and Director, and subsequent discussions are held with each individual. Following the Appraisal Report. Top-performing teachers within the top 5 receive commendation letters, while the lowest-performing teachers among the bottom 5 receive counseling/ Motivation letters. These notations are subsequently recorded in their individual service records.

File Description	Documents
Paste link for additional information	https://www.aitpune.com/rules/ACR%20for%20Faculty%20feb2021.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

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

There are well defined processes for sanction of budget to expenditure. An internal approval system for all expenses is in place.

Each purchase and expenditure is scrutinized by the accounts department, Joint Director, Director as well as the Local Purchase Committee. All purchases are authorized as per approved financial powers and for higher value purchase procedure of open tendering and independent technical evaluation and commercial evaluation is carried out. Procedures are based on Govt financial Regulation and given out in SOP.

Internal audit as ordered by Station HQ Kirkee is carried out on quarterly basis by Gazetted Army Officers. Surprise checks are also ordered by higher authorities. During Administrative Inspection conducted by Patron of the Institute, all expenditures are reviewed.

External financial audits are conducted by certified public accountants, Mr Chandorkar and Mr Limaye, Chartered Accountant, Karve Road, Pune. The audit reports are submitted to HQ AWES formally signed by the Head of the Institute.

Audit objections/Observations raised by the above bodies are settled in reasonable time framed and report submitted.

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

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

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

60.38340

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

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

Majority of AIT budget is from student's fees. Student's fees are finalized as per the policy of Army Welfare Society and perceived requirement which is approved by board of administration of HQ SC before finalizing the budget. Additional funds are mobilized by approaching philanthropist, alumnus. Additional funds are also ask from HQ SC and AWES. Also optimal investment plan ensures maximizing interest investors investments. Sponsorship for individual events are sort from sponsors.

Utilization are carried out by budgeting process.

Departments and clubs submit anticipated expenses. Budgets reviewed and approved by CDC and management. Additional funds set aside if needed. Spending follows SOP and government rules.

Staff receive financial aid for technical events, skill programs, conferences, and workshops. Students also get support for national, international, and state-level competitions. This support results in outstanding performances by our students in these events.

The Institute has a Purchase Committee. It handles quotes, technical evaluations, price comparisons, and negotiations. Their aim is cost-effective procurement of quality equipment. A

project officer manages procurement and project completion.

A chartered accountant conducts annual financial audits to ensure adherence to established procedures.

File Description	Documents
Paste link for additional information	https://www.aitpune.com/Rules-and-Regulations.aspx
Upload any additional information	View File

6.5 - Internal Quality Assurance System

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

The Institute has an internal quality assurance cell (IQAC) which was constituted on 25 Feb 2005. IQAC reforms policies time and again as per the guidelines of NAAC. We have reformed IQAC composition on 14 Sept 2022 as follows:

Two Best practices institute follows:

1. Internal and External Academic Audit

- IQAC has trained some senior professors to conduct internal academic audit. These professors have conducted audits in all the departments.
- Once in a year External audit is conducted by an experience officer appointed by Southern command.
- Additional External Audits by academicians was conducted by E&TC, IT and Mechanical Departments.

1. Goals and Targets

- Regular IQAC meetings are held and benchmarks are set or upgraded.
- The performance of all the departments as per the benchmarks is assessed annually and Annual Quality Assurance Report (AQAR) is prepared. This committee periodically reviews the outcome of various academic and administrative committees.

IQAC has contributed significantly in strategizing, formulating, standardizing, and implementing quality policies,

initiatives and processes.

The institute has seen a substantial increase in the number of published quality research papers, patents and recognised PhD guides..

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

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

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

1. IQAC takes reviews of syllabus completion in each month through HODs.
2. Monthly Attendance (Monthly attendance is communicated to students. The counselor informs the same to the parents of the defaulters).
3. Result Analysis (Results analysis is done at the departmental level)
4. Appreciation/Motivation Letters have been given to faculty based on research papers in reputed journals. This resulted into significant increase of research papers in 2022-23 in the reputed journals.
5. The feedback system is revised in 2022-23.

Improvement in the infrastructure of the classrooms, the laboratories, the washrooms, the sports facilities, the hostels, and the staff quarters have greatly contributed to a positive and a vibrant environment in the institute. This in turn has helped improve the results and performance of both the students and the staff.

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

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)	A. All of the above
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File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	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
<p>Process of equality leads to equality. There are about 60 % of female members. Women faculty are nominated, based on their ability, as head departments and conveners of various committees and discharging their efficiently. Some of the positions are mentioned below -</p> <ol style="list-style-type: none"> 1. Dean R & D 2. Two out of five HoD's

3. NAAC Coordinator

4. NIRF coordinator

5. IIC President

6. I & E cell In charge

- Separate Sports facilities for ladies like basketball ground, badminton ground, Pool table independent gymnasium

- Facility of children park for kids of faculty and staff is available.

- Maternity Leave is provided to lady faculty and staff members

- There are some scholarships which are only for girls like Pragati, Scholarship and Badve scholarship

- Motivational talks are being arranged from Alumni girl students.

- Many girls are joining armed forces.

File Description	Documents
Annual gender sensitization action plan	https://www.aitpune.com/NAACData/Criteria/7/2022-23/7_1_1_a.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://www.aitpune.com/NAACData/Criteria/7/2022-23/7_1_1_b.pdf

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

A. 4 or All of the above

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

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

AIT has designed methods for management of waste generated in campus basic Waste management strategy of 3R's: Reduce, Reuse and Recycle i.e. Reduce the amount of waste generated, Reuse everything to its maximum proper segregation and cleaning and keeping things which can be Recyclable and handed over to appropriate agencies. The waste generated in the campus include liquid waste and solid waste. No classified hazardous waste is generated in the campus.

Solid waste Management Biodegradable waste includes food waste, vegetable peels, leaves etc. Food waste and non-biodegradable waste are collect in separate bins. Biodegradable waste is disposed collected for animal feed.

Liquid Waste Management Water recycling or waste water treatment plant of 2,00,000 liters capacity has been constructed. The principle of treatment is based on Phytorid technology.

Waste recycling system the non-biodegradable solid waste generated in the campus include, paper, plastics, metal cans etc. Two sheds have been constructed for collection and segregation of the solid waste. These sold to recyclers.

E-waste management E waste generated is first reused in the campus. Then discarded waste is disposed off by board of officers to authorized vendors.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	A. Any 4 or all of the above
File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File
7.1.5 - Green campus initiatives include	
7.1.5.1 - The institutional initiatives for greening the campus are as follows: <ol style="list-style-type: none"> 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping 	A. Any 4 or All of the above
File Description	Documents
Geo tagged 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 are regularly undertaken by the institution	
7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

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

A. Any 4 or all of the above

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

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

Students at AIT are wards of army personnel and as such importance of tolerance and harmony has been ingrained in them. Institute works towards eradicating stereotypes and enhancing self-esteem.

Along with curriculum, additional communication and soft skills class conducted for freshers Grievance Redressed cell, Internal Complaint Cell, Equal Opportunity Cell for Disabled student and Staff and Anti Ragging Committee aims at social protection, ensuring tolerance and harmony, vulnerability, empowering women, and girls, cultural and regional including Industrial visits expose students to the practical challenges and also the students from different backgrounds adapt to one another.

During national festivals and other events of the college, Director of institute and eminent personalities are invited to emphasize the importance of tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities NSS and Spiritual club activities institution mitigate the socioeconomic diversities and progress them leading to a tolerant and harmonious living.

Cultural club and NSS organizes competitions in street plays, skits a choreography to educates the students and makes them aware of their responsibilities and understand the implications of their actions. That seen during the inter branch event Aakriti.

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

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

AIT Sensitizes students of institution to the constitutional obligation Values, rights, duties and responsibilities of citizens. Staff is encouraged to behave like role models for students. Students study courses Human Social Sciences.

The institute hoists the flag during national festivals. Director of institute addresses students and staff to emphasize duties and responsibilities of citizens. Students are given responsibilities for Conducting various intra and inter college events, under guidance of College establishes policies that reflect core values. Code of conduct Prepared for students and

staff.

College curriculum is framed with mandatory courses like Professional and human values, Constitution of India, Essence of Indian Traditional Knowledge, three weeks Orientation Program as a small step to inculcate constitutional obligations among the students. Guest lectures by eminent personalities on ethics, values, duties, responsibilities and environment are conducted. Institute organized awareness program on "rules and regulations".

NSS activities of our institution has affinity for Philanthropic which include donation of time or resources to government, charities organizations at local, national levels to help victims during natural disasters. Institute conducted awareness programs and rallies on ban plastics, cleanliness, Swachh Bharat etc. involving students. S2A2I2 (Southern Star Army Academia Industry Interface) event under R & D is conducted. Various workshop & events get arranged.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://www.aitpune.com/NAACData/Criteria/7/2022-23/7_1_9_a.pdf
Any other relevant information	https://www.aitpune.com/NAACData/Criteria/7/2022-23/7_1_9_b.pdf

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

A. All of the above

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

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

The institute aims to inculcate values and nationalism in students by celebrating national festivals and birth anniversaries of great Indian personalities in college campus every Year.

Celebrations include flag-hoisting, Project Exhibitions, Poster Presentation and Essay Writing & Elocution. Eminent personalities are invited to motivate staff and students.

Following various days are celebrated at AIT: Independence day, Republic Day, Teachers Day, International Yoga Day, Kargil Vijay Diwas, Womens Day, Environmental Day. AIT is mainly a residential institute. Celebrations of festivals is thus a point of the college life. Festivals like Janamasthami, Shivratri, Ram Navami are celebrated at Sarva Dhrma Sthal and a langar is organized. The students are enthusiastically organize the event and help with seating, serving and cleaning. Lodhi is celebrated with a bonfire. Dassera is celebrated with crackers and Ravana dahan, Christmas is celebrated with merriment, where students cut and share cakes.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	View File

7.2 - Best Practices

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

(1) Curriculum Enrichment Measures

This practice was implemented in order to enrich the existing curriculum and give hands on experience to our students as per industry expectations.

Curriculum revision takes place every four to five years by affiliating university. However, in order to keep the students in pace with the current and latest developments in the industry, additional curriculum enrichment measures have been introduced in the college.

Curriculum enrichment is done by following measures: -

- Value added evening courses Organization of large number expert lectures on latest developments in the respective branch by every department.
- Student internships
- Project based learning
- Technical club activities Scholarship details

Excellent results of our students in the examinations, student achievements in co-curricular activities and consistent placement percentages 96% are proof of the success of this practice.

(2) Green Environment Initiatives

This practice was implemented to reduce the institute's carbon footprint make the campus green. Also, student participation in these initiatives makes them responsible citizens.

The growing concern for environmental protection and conservation led the institute to implement a large number of green environment initiatives.

The main initiatives are as follows-

Energy conservation Use of renewable energy Water harvesting
Tree Plantation

File Description	Documents
Best practices in the Institutional website	https://www.aitpune.com/NAACData/Criteria7/2022-23/7_2/BestPractices.pdf
Any other relevant information	https://www.aitpune.com/NAACData/Criteria7/2022-23/7_2_b.pdf

7.3 - Institutional Distinctiveness

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

AIT is Unique HEI with objective of providing high quality technical education to wards of army personnel. It's a fully residential Institute for wards of army personnel. Besides academic department, college has Training and Placement Cell which runs as special department with the vision: To enhance branding and employability of AIT students by imparting necessary knowledge and skills through best training initiatives to meet expectations of all types of Industries , with necessary interaction with industry and alumni.

- To ensure high quality sustainable placement the T and P cell has taken systematic initiative which which includes skill development training on communication skills interview skills .Internship opportunities are provided to majority of the students .

- Actions taken by T&P Cell : Systematic training measures Industry HR and Tech talk Exclusive portal <https://aitplacements.in/> for literature sharing and updates. Experience sharing platform 'Anubhav' developed by OSS club. Special AI based Mock PI by Go Prac organization

- The skills are tested by conducting AMCAT personality test and professional guidance is made available

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

7.3.2 - Plan of action for the next academic year

Plan of Action for Next Academic Year

- Development of IT Infrastructure in view of increase in intake.
- To establish NCC centre at college
- To motivate project based learning skills coming year will be declared as SMART AIT Year where students projects to solve AIT live problems will be funded under R & D
- Required infrastructure development for academics and hostels.