



SELF STUDY REPORT

FOR

4th CYCLE OF ACCREDITATION

ARMY INSTITUTE OF TECHNOLOGY, DIGHI, PUNE

ARMY INSTITUTE OF TECHNOLOGY, DIGHI, PUNE

411015

www.aitpune.com

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

- ♦ Army Institute of Technology (AIT), was founded in August 1994 as a result of vision of Late Gen B C Joshi in order to provide quality technical education to wards of army personnel. It functions under the aegis of the Army Welfare Education Society (AWES) and has the senior most officer of the Indian Army, the Chief of Army Staff of the Indian Army (COAS), as the President of its Board of Governors. Admission to AIT is done through JEE MAINS exam.
- ♦ AIT has beautiful 30 acres Wi-Fi enabled green campus, with National Knowledge Network (NKN) connectivity, up to date laboratories, some of which are industry sponsored, active industry interface with sponsored projects and internships, excellent faculty and students with strong analytical skills, creating an environment for development of total quality engineers.
- ♦ Institute started with three programmes BE(Computer), BE (Electronics and Telecommunication) and BE(Mechanical) in 1994 with intake of 60 seats in each programme. Subsequently Information Technology programme was introduced in 2001 with intake of 60 seat. Intake in Electronics and Telecommunications programme was increased to 120 seats in 2010. Post graduate programme in Mechanical Engineering Design has been introduced from 2015. The intake in Computer Engineering was increased to 120 seats in the year 2016-17.
- ♦ AIT is permanently affiliated to Savitribai Phule Pune University (SPPU) and recognized by All India Council of Technical Education (AICTE). UGC recognition under 2(f) and 12(B) has been obtained in September 2014. Institute is NAAC and NBA accredited and ISO 9001:2008 certified. AIT has NIRF rank of 109 in 2019-20 and is ranked 14th, 50th and 53th among self financing engineering colleges in India as per the survey by “Data Quest”, “The Week” and “Outlook” respectively.
- ♦ University declared AIT as Best Profession College in year 2016-17.
- ♦ AIT was given Green initiative award by AICTE in 2017
- ♦ LOKMAT National Leadership award, was presented to AIT as “Outstanding Engineering Institute in Western Region” in July 2015. AIT has been awarded the “National Employability Award 2016” by Aspiring Minds for being amongst the top 10% colleges that excelled in AMCAT.

Vision

To become a "Globally Recognized" technical institute providing world class education and research facilities to the wards of Defence personnel.

Mission

(a) Provide the right environment, to the wards of Defence personnel, for development of physical, intellectual, emotional and spiritual quotients, with a view to produce total quality engineers.(b) Create an ecosystem which can foster the culture of research, innovation, creative thinking and higher studies.(c) Develop an education system which creates entrepreneurs and technology leaders who are committed towards sustainable development of society and nation build-ing.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

Institutional Strengths:

1. Quality Intake
2. Young Motivated Faculty
3. Good Placement
4. Good University Results
5. All the students come from Army back ground.
6. Adequate laboratory facilities for the undergraduate and the post graduate courses.
7. Infrastructure Wi-Fi, NKN
8. Residential Campus
9. Green and Eco friendly campus with 2582 trees.

Institutional Weakness

Institutional Weakness

1. There is a need of vertical growth in the department e.g. PG program to create the research ambience.
2. Due to UG course there is no concrete center of excellence in particular domain subjects.

Institutional Opportunity

Opportunities

1. Pune being an IT hub of tier one IT companies for better Industry Institute Interaction which gives more exposure to the students in the form of placements and Internships.
2. Tie up with research bodies and centers like NCL, DIAT, CMET, IISER and CDAC in Pune for promoting research activities.
3. Institute with NKN facility can take advantage for higher learning like interaction with IIT and NIT via video classrooms.
4. Incubation center for nurturing ideas and prototypes.
5. E Cell and IIC for fostering startups.
6. Sponsored Laboratories.
7. To tap up alumni residing across the globe and garnering intellectual and financial support

Institutional Challenge

Institutional Challenges:

1. To attract consultancy.

2. To attract students for the Post Graduate programme.

Future Plan

1. To set up center of excellence with industries.
2. To start PG in data science and AI.
3. To set up research center

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The institute is affiliated to SPPU and offers courses prescribed by affiliating university. The faculty members actively participate in syllabus revision/formulation workshops by Board of Studies. Feedback taken from students and the inputs from industry, which are taken through Training and Placement Cell and the alumni are also discussed in these workshops. Faculty is deputed to attend not only syllabus implementation workshops, but also various Faculty Development Programmes, seminars and workshops. Faculty as well as students are sponsored to attend/present research papers at various national and international conferences. Some such programs are also conducted by institute.

Due care is taken for effective implementation of curriculum. Academic Calendar contains all central programs and departmental level events. Individual timetables are prepared by faculty and the Lab timetables describe the utilization of laboratories. Lesson plans are uploaded on ERP and on moodle for student reference.

To ensure that stated objectives of curriculum are achieved in course of implementation, departments conduct Guest lectures workshops, campus connect programs by subject experts from industry and research bodies for covering topics beyond syllabus. Moreover, practical classes are updated beyond the syllabus. College keeps updating its laboratories as per syllabus and project requirements. Modern teaching facilities like ICT enabled smart classrooms, video/audio facilities are utilized for effective delivery of the subject material to students. MoUs have been signed with industries like NVIDIA, ARDE, DRDO, IBM amongst others, to enable effective dissemination of knowledge.

The institution interacts with beneficiaries such as industry, research bodies and the university in effective operationalization of curriculum. College facilitates student internships in industry. Though more than 60% of student BE projects are sponsored by the industry, Institute encourages in-house projects which help faculty to apply/obtain funded projects from various bodies such as AICTE, DRDO, and BCUD. This constant interaction with research bodies gives students an exposure to the scope of syllabus in terms of research applications, patents, etc. College has CSI, RSI, IETE, IEEE chapters.

Value addition courses under professionals are conducted to rectify critical gaps pointed out by industry. Students are encouraged to undergo MOOC courses for self learning.

Teaching-learning and Evaluation

In order to make teaching learning process more student centric, college provides opportunities for Interactive learning which is primarily done during class room teaching using an interactive tutorial discussion format; collaborative learning, by assigning projects to students in groups; and Independent learning by encouraging students to not only use well stocked college library but also enroll for on-line courses and MOOC. Due credit is given to them through college level Co-curricular Credit based Marking system system. Displaying Weekly Training programs helps students to come prepared to the class.

State of the art infrastructure in the form of Updated/Up-gradated Laboratories and computational facilities and the laboratory development through research grants for content beyond syllabus facilitates students for their mini and final year projects and co-curricular, technical activities like in house Tech-Aakriti and Solutions and events by other institutes like Robotics, SUPRA-BAJA Competitions, TECHFEST, Technical Paper presentations etc. Value added courses and Guest lectures are organized to provide the additional knowledge in existing syllabus as well as to cope up with recent trends in technology. Emphasis is also laid on developing the soft skills like effective communication, team work and leadership qualities which are necessary for student's future career.

Staff keep themselves updated by participating in Faculty development programs, seminars, conferences and workshops.

Student learning is evaluated by regular question answer sessions during class, quiz, class test, Tutorials, Continuous Assessment of course work (theory and lab), to provide ongoing feedback for improving teaching and learning. An in-semester examination of 30 marks and an end sem examination of 70 marks is conducted by university, besides the practical examination and TW, to grade students. Institute has introduced mock tests and prelim exams to prepare students for these examinations. Extensive result analysis is done and is used to improve the methods of teaching.

To monitor and evaluate the quality of teaching and learning, Automated student feedback is taken twice during every semester. Feedback is also taken from employers, parents and alumni.

Relevant corrective measures are taken by concerned faculty members. Best result and teacher award, appreciation and counseling letters are given to faculty to motivate and guide them.

Research, Innovations and Extension

Research activities are centrally managed through the R&DE cell. The cell has coordinated the Up-gradation of laboratories through MODROB proposals of AICTE and MHRD. It motivates faculty to apply for research grants from various government agencies like DST/AICTE/UGC/MHRD/BCUD. Funds are made available to the principal investigator as soon as they are received from the funding agency along with infrastructure and human resources. Institute provides seed money and sponsors faculty for filing patents and presenting papers in conferences. College collaborates with industries to develop infrastructural facilities for research. Through RnDE cell Seminars/Conferences/Workshops are organized.

Financial provision for student projects is made in every year's budget for each department. Students and faculty members undertake inter-disciplinary research work targeted at national level competitions like Supra-SAE, SUPRA-Baja, Asia etc.

College has established Innovation and incubation hub to foster and nurture creative ideas and guide them to start-up level. The cell organizes idea pitching sessions, workshops and innovative project competitions. College has various student chapters like CSI, IEEE, RSI to organize and increase student participation in co-curricular activities. Student's innovative ideas are supported and guided through Incubation Center and R & D cell of college. Smart business ideas are nurtured and progressed under the guidance from private entrepreneurs in Incubation centre. These start-ups are publicized in local newspapers. Some of the successful start-ups are :-

Cheqit <https://cheqit.co.in/>

Momentum Robotics <https://momentumrobotics.in/>

myAImate <https://www.myaimate.com/>

Extension activities are carried out through National Service Scheme (NSS) and student chapter of Rotaract club. Staff and Students actively participate in activities like blood donation camps, tree plantation, cleanliness drives. They also visit old age homes, orphanages, blind school amongst other institutes. The students and staff also participate NSS camp, where they stay in the adopted village for a week and carry out a number of activities like river cleaning and awareness drives. All these activities help in forming institution-neighborhood-community network and have made AIT recognizable in our neighborhood. To ensure that these activities are carried out smoothly a budgetary allowance is made. NSS also receives grants from the University.

Infrastructure and Learning Resources

College has well equipped ICT enabled and video conferencing classrooms, Wi-fi enabled updated laboratories, seminar halls and tutorial rooms to ensure an effective teaching-learning process. College has three auditoriums for conducting various extra and co-curricular activities. A generator back up provides uninterrupted power supply.

Aryabhata building, ground floor of which houses the library, conference room and the Wi-fi enabled air conditioned reading hall with seating capacity of 350 students while the basement is dedicated to Computer laboratories and staff room. First floor accommodates the placement and training office which also include conference rooms, classrooms for PG and an auditorium.

The institution has also developed infrastructure facilities to meet requirements of students with physical disabilities. Ramp facility exists in academic block and library building. Lift is being made in the academic block. There is a toilet for people with special needs in the academic block

Institution has Wi-Fi with speed 500 Mbps. National Knowledge Network (NKN) has provided 1000 Mbps leased line.

AIT is primarily a self sufficient residential institute with contemporary hostel which include recreational facilities, gymnasium, shopping complex, ATM. College has a well equipped sports department which functions under Sports Director, with Indoor games like Badminton Court, Squash Court, Table-Tennis and outdoor fields like Football, Cricket, Basketball, Tennis and Volley ball.

There is a RO plant on the campus which ensures that pure drinking water is supplied to entire campus. Roof top grid connected solar power plant - generating 350 KW power, has been installed by institute. Phytoid

based Sewage Treatment Plant (patented by NEERI) has been implemented in the campus. All street lights are solar and common area lights have been replaced by LED. Rain water harvesting is done by collecting the rain water in dedicated underground tanks and used during the times of shortage.

Maintenance cell is headed by maintenance in-charge. Complaint register is maintained in the department for registering and monitoring complaints. College has an annual maintenance contract (AMC) for computers and some equipment. Departmental maintenance of lab equipment is ensured by technical support staff and faculty in charge of respective laboratory.

Student Support and Progression

AIT provided scholarships to 187 students i.e about 15% of our students, in the last academic year. Institute awards scholarships sponsored by TATA, Indian Express, Badve groups, UdChalo, to deserving students. A few students get financial assistance from J&K government. For economically weak students DLF Raghvendra scholarship, HORIZON scholarship, merit-cum-means scholarships, Leela Poonawala and Persistent scholarships are offered, which are based on family income.

College has various clubs by which different intra college & intercollegiate activities are conducted. Each club has faculty in charge to guide students. Budgetary support is extended to conduct student events.

College provides coaching to students interested in appearing for SSB examination under University Entrance Scheme. Evening classes for students identified to be weak in English and programming are conducted in first year. In second year and third year C, C++ programming, JAVA, Oracle, .NET classes are also conducted for additional skill development.

Students are counseled by faculty addressing their academic as well as personal difficulties. In addition, there is a mentor scheme where 4 to 5 students are placed under a student mentor of next senior batch. The mentors are carefully selected based on recommendation of their counselor. The mentors help the students. A track record is maintained in Counseling file, for each student.

Training & Placement Cell of the institution has a structured mechanism for career guidance and placement of its students. It works in conjunction with PR Cell consisting of faculty and student members from each department and the college Alumni council.

AIT has excellent sports facilities and many students can be seen using these facilities. Many of our students participate in inter-collegiate sports competitions. Some of our students also represent Pune university in events like squash and badminton.

Approximately 25% of students participate and often win prizes in technical competitions organized by colleges as well as industry, viz. National Innovation Contest 2020-21 by ministry of education, TECHNOCHAMP by John Deere etc. Almost hundred students publish technical papers with college sponsorship.

Many academic and administrative committees like student council, CDC, IQAC, student mess committee etc of our college have student representation.

Governance, Leadership and Management

The top management of this institute consists of a Board of Governors and its executive committee at Army Headquarters (headed by Chief of Army Staff and assisted by the Adjutant General of the Indian Army with his staff members) and Board of Administration at Headquarters Command (headed by the Chief of Staff as Patron of the college of Lt. General's rank) and Chairman of college (Chief Signals Officer at Headquarters Command of Major General's rank). Director of the institute is responsible for overall functioning of college. He is also the head of IQAC. Principal of the college is the academic head and supervises, guides and controls work of teaching, nonteaching staff of college. He also liaisons with AICTE, UGC, University and other regulatory bodies. The Joint Director is the administrative head.

Changes in the existing rules and regulations are brought about after a thorough discussion in College Development meetings, Governing body meetings and AWES Directors' conferences based on inputs from ground level and needs of the present generation. The college follows a structured approach for ensuring that changes are smoothly and successfully implemented. In order to accomplish this, the stakeholders expectations are aligned, communicated, and integrated with employee's efforts for growth of the institution. Thus, academic and administrative matters are brought to notice of the management to champion changes required by the organization.

The College has a clear and well defined system to monitor and evaluate effectiveness and meaningful implementation of policies and plans of the institution. Periodical staff meetings at department level and Heads meeting at Institution level along with representatives of various committees are conducted for effective and timely feedback. Brain storming sessions are held each semester.

Management develops leadership capacity by broad basing leadership involvement amongst both teachers and students through staff representatives and student secretaries and representatives, in all important activities of the college. Class teachers in consultation with the head of department decide on their respective lesson plans, class tests, assignments, projects, industrial visits and guest lectures. This enables more individuals to build their own informal authority and demonstrate leadership behavior.

Institutional Values and Best Practices

Institutional Values:

Best Practices

- ♦ **Green Initiatives:** There is a RO plant on the campus which ensures that pure drinking water is supplied to the entire campus. Automatic flushing system for toilets and automatic electricity cut-off switches to save electricity developed by students is implemented in hostels and academic block. Roof top grid connected solar power plant - generating 350 KW power has been installed by institute. Apart from this solar water heating system is provided in all boys and girls hostels for hot water requirement. Phytotrid based Sewage Treatment Plant (patented by NEERI) has been implemented in the campus. All street lights are solar and common area lights have been replaced by LED. Automatic power factor controller (APFC) is installed in the power house which gives power factor of unity. Rain water harvesting is done by collecting the rain water in dedicated underground tanks of capacity 23 lakh liters and used during the times of shortage.

- ♦ **Tree Plantation:** Every year students along with the garden staff plant trees. The saplings have been obtained from NGOs. Subsequent care is taken by the gardeners. Due to this program over the years the campus has become lush and green. Also, an herbal garden consisting of plants with medicinal values is cultivated in the college campus.

- ♦ **Governance, leadership and management**

1. Weekly meetings of Director with all Academic and Administrative heads.
2. Semester wise brainstorming session with staff to review various academic and administrative practices.
3. Participative Management with ESCM, Weekly Divisional Heads meeting, Monthly Flank in charge meeting etc.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	ARMY INSTITUTE OF TECHNOLOGY, DIGHI, PUNE
Address	Army Institute of Technology, Dighi, Pune
City	PUNE
State	Maharashtra
Pin	411015
Website	www.aitpune.com

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Director	Brig A A Bhat	020-7249250184	9967032089	020-7249250183	director@aitpune.edu.in
IQAC / CIQA coordinator	Dr Seema Tiwari	020-7249250184 Extn 2173	9405012782	020-7249250183	naac_coord@aitpune.edu.in

Status of the Institution	
Institution Status	Private

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
Date of establishment of the college	01-01-1994

University to which the college is affiliated/ or which governs the college (if it is a constituent college)

State	University name	Document
Maharashtra	Savitribai Phule Pune University	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC	05-09-2014	View Document
12B of UGC	05-09-2014	View Document

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	15-06-2021	12	Extension of approval

Details of autonomy

Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No
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Recognitions

Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Army Institute of Technology, Dighi, Pune	Urban	30	121405.6

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No. of Students Admitted
UG	BE, Computer Engineering	48	HSC and JEE	English	120	120
UG	BE, Mechanical Engineering	48	HSC and JEE	English	60	60
UG	BE, Information Technology	48	HSC and JEE	English	60	60
UG	BE, Electronics And Telecommunications	48	HSC and JEE	English	120	120
PG	ME, Mechanical Engineering	24	UG and GATE	English	18	18

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	8				12				38			
Recruited	6	2	0	8	7	5	0	12	18	20	0	38
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	1				0				17			
Recruited	1	0	0	1	0	0	0	0	10	7	0	17
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				54
Recruited	46	8	0	54
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				40
Recruited	26	14	0	40
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD	0	0	0	0	0	0	0	0	0	0
Ph.D.	5	2	0	3	5	0	2	1	0	18
M.Phil.	0	0	0	0	0	0	0	1	0	1
PG	1	0	0	3	0	0	16	16	0	36

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD	0	0	0	0	0	0	0	0	0	0
Ph.D.	1	0	0	1	1	0	0	0	0	3
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	8	6	0	14

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	Male	Female	Others	Total
	3	0	0	3

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	10	1150	0	0	1160
	Female	3	142	0	0	145
	Others	0	0	0	0	0
PG	Male	10	0	0	0	10
	Female	0	0	0	0	0
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
General	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		0	0	0	0

Extended Profile

1 Program

1.1

Number of courses offered by the Institution across all programs during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
272	272	265	262	245
File Description		Document		
Institutional data prescribed format		https://www.aitpune.com/NaacData/Ext/1.1__no%20of%20courses%20in%20last%205%20years.pdf		

1.2

Number of programs offered year-wise for last five years

2019-20	2018-19	2017-18	2016-17	2015-16
5	5	5	5	5

2 Students

2.1

Number of students year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
1313	1282	1282	1282	1231
File Description		Document		
Institutional data in prescribed format		https://www.aitpune.com/NaacData/Ext/2_1_ext%20proof%20final.pdf		

2.2

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	0	0

File Description	Document
Institutional data in prescribed format	View Document

2.3

Number of outgoing / final year students year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
362	307	300	318	316
File Description	Document			
Institutional data in prescribed format	View Document			

3 Teachers

3.1

Number of full time teachers year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
65	63	84	85	81
File Description	Document			
Institutional data in prescribed format	https://www.aitpune.com/NaacData/Ext/3_1_ext_prof.pdf			

3.2

Number of sanctioned posts year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
65	63	84	85	80
File Description	Document			
Institutional data in prescribed format	https://www.aitpune.com/NaacData/Ext/3_2_ext%20prof%20sanctioned%20faculty.pdf			

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 19

4.2

Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
294.92	278.62	248.72	432.92	110.83

https://www.aitpune.com/NaacData/Ext/4_2_ext_prof_expenditure.pdf

4.3

Number of Computers

Response: 720

https://www.aitpune.com/NaacData/Ext/4_3_computer%20invoices.pdf

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

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

Response:

Army Institute of Technology, Pune, is affiliated to the Savitribai Phule Pune University (SPPU) and approved by AICTE. It conducts four UG and one PG and program in engineering. The Institute follows the curriculum approved by SPPU. The college employs qualified faculty in all departments.

Principal refers to SPPU calendar and receives inputs from IQAC, HODs and student council. Based on these inputs Co-curricular and extra-curricular activities are planned in academic calendar. Each department prepares its academic calendar in line with the institute academic calendar. The academic calendar provides the date of commencement and end of academic session, schedule of various co and extra curricular activities and examination. The time table committee prepares the time tables (for class, laboratory and Individual faculty) for all programs every semester. The time table and academic calendar are uploaded on website.

As per the prescribed syllabus of the University, HOD, depending on expertise, experience and the actual requirement in the department, allocates the teaching load to faculty members. The faculty then prepare their lesson plan keeping in mind course outcomes. Individual faculty uploads unit- wise lesson plan on ERP. The course material like the syllabus, lesson plan, ppts, notes, videos/simulations laboratory manual and links to useful web sites, is put up on moodle, for student reference.

Each faculty maintains register for recording lesson plan, individual time table, attendance and continuous evaluation of student and syllabus coverage. The faculty registers are regularly reviewed by the respective HoDs and Principal. The detailed course file having CO-PO-PSO mapping along with personal notes, university question paper and other reference material, is prepared by each faculty member.

Institute has adopted innovative and creative teaching learning process, tools and techniques by implementing advanced concept of pedagogy, use of ICT, learning management system, student centric methods, participative learning for enhancing teaching and learning experience.

The academic performance of students is continuously and meticulously monitored by conducting Continuous assessment for Practical, Term work, Projects, Seminars, internal examination, assignment during the semester to assess the learning levels. Schedule of examinations is displayed on notice board, on website and shared on the class WhatsApp groups.

The gap analysis is done for all the courses belonging to the program. For the effective implementation of curriculum gap is bridged by supplementing classroom teaching with expert lectures, seminars, mini projects, in-house and industry supported projects, industry visits, internships and e-learning. Contents beyond curriculum are identified and taught both in classroom and in the laboratory. Institute had taken initiative to provide soft skill training, value added courses and counseling for holistic development of students.

SMS are sent to the parents of students with lesser attendance through ERP, every month. Students' feedback is taken twice in semester through automated software. The Principal and the HOD takenecessary action based on the feedback.

File Description	Document
Link for Additional information	View Document

1.1.2 The institution adheres to the academic calendar including for the conduct of CIE

Response:

Institute is affiliated to SPPU and follows its academic calendar. The date of commencement and ending, exam dates and holidays are declared by the university. For effective time management, before commencement of each semester institute prepares its own academic calendar, keeping the above in mind. Based on institute's academic calendar, every department prepares its calendar showcasing planned events.

University schedules TW/ Practical /Oral examinations and appoints external examiner. Usually, practical examination period is of 3 weeks, planned by university. This schedule is followed by the institute.

Inputs are taken from departmental heads about planning for departmental activities. Various activities such as industrial visit, expert lectures/seminars/workshops/conferences are included in department academic calendar. These are discussed at length in the weekly HOD meeting, conducted by Director of institute in presence of Principal.

For all round holistic development of students, at AIT, there are many active clubs like cultural, sports, technical, debate and drama, magazine. The incharges of various clubs in consultation with their student secretaries, forward the schedule of the proposed activities at the beginning of semester, to be included in the institute's academic calendar.

The extension activities are carried out mainly through NSS club and the rotaract club. Their plan is also shared and included in the academic calendar.

With the Students council, dates and duration are planned for various student festivals.

This schedule is again discussed in the HOD meetings, in which the Project officer, Training and Placement Officer, Physical Director and rectors also take part. After discussion various academic, co- curricular, extra-curricular and social activities are planned in accordance with university calendar. This advance planning makes teaching plan robust.

Teaching plan is prepared by each teacher which adheres to the academic calendar of institute. The monthly monitoring ensures smooth conduction of lectures and practical sessions. Biometric record of

student daily attendance is maintained on ERP and absences of student is communicated to parents via SMS regularly. Cumulative attendance and Defaulter student lists are displayed every month as per the procedure. The parents of students having attendance less than 75% are informed. These students are given extra assignments/tests to make up for their absence.

Continuous assessment record for Practical, TW and project is kept. Every department conducts project progress review and seminar presentations as per standard procedure set by each department according to academic calendar. This is the part of internal evaluation. Mock practical examinations are planned in the department academic calendar at the end of each term and conducted according.

Internal examinations are conducted by all the departments on the dates planned in academic calendar. Results of internal assessment are declared and communicated to students within a scheduled time.

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

File Description	Document
Upload Additional information	View Document
Link for Additional information	View Document

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 last five years

1. Academic council/BoS of Affiliating university
2. Setting of question papers for UG/PG programs
3. Design and Development of Curriculum for Add on/ certificate/ Diploma Courses
4. Assessment /evaluation process of the affiliating University

Response: C. Any 2 of the above

File Description	Document
Institutional data in prescribed format	https://www.aitpune.com/NAACData/Metric/1_1_3_teachers%20for%20university%20activities.pdf

1.2 Academic Flexibility

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

Response: 100

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

Response: 5

File Description	Document
Institutional data in prescribed format	View Document https://www.aitpune.com/NAACData/Metric/1.2.1_METRIC LEVEL_List of programs in which CBCS.docx

1.2.2 Number of Add on /Certificate programs offered during the last five years

Response: 0

1.2.2.1 How many Add on /Certificate programs are offered within the last 5 years.

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	0	0

File Description	Document
List of Add on /Certificate programs	View Document

1.2.3 Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years

Response: 0

1.2.3.1 Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	0	0

File Description	Document
Details of the students enrolled in Subjects related to certificate/Add-on programs	View Document

1.3 Curriculum Enrichment

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

Response:

To promote student development, improve their life skills and help them become quality engineers, we at Army Institute of Technology conduct courses and events related to professional ethics, gender, human values, environment, and sustainability.

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. The Honor Code is based on personal integrity both as students and as professionals.

A three week Induction Program for First Year students is conducted, as per the guidelines of AICTE. In these three weeks various sessions on soft skills, health, art, innovation, human values, yoga, disaster management, first aid, Environment and sustainability, and Professional Ethics amongst others are organized. Sessions on Avenues & Preparation for joining Armed Forces are also conducted. Treeplantation and an on campus cleanliness drives are a part of this program.

As a part of their curriculum all first year students have compulsory audit course in Environmental Studies in both first and second semester. The course covers various aspects of environmental consciousness, conservation, protection and sustainability; role of technological advancement to overcome environmental problems; and aims to sensitize the youth about various environmental concerns and importance of sustainability.

Soft skills, Business Communication and Ethics and Human Values are other courses that are completed by all students across all programs, adding to their self confidence, communication skills and the knowledge of professional and ethical responsibilities.

Many Lady Entrepreneurs and successful leaders are invited to college to share their success stories and inspire the girl students. Girl students are encouraged to show case their technical and additional skills in various programmes. There are scholarships like Pragati and Saksham scholarship ,Rolls Royce Unnati scholarship for women Engineering students etc targeting only girl students.

The Institute has Spiritual club, Nature club and NSS team, whose activities are planned and included in academic calendar and a budgetary provision made for them. Some of the activities also get sponsorship from SPPU. The students from FE to BE are members of these clubs.

At AIT we have a Sarva Dharma Sthal. All festivals like Holi, Shivratri, and Janmashthami langars, Lodhi, Christmas, Ganesh Utsava are celebrated here through spiritual club. Events like yoga and meditation are also conducted through this club.

NSS is mainly responsible for the extension activities. NSS volunteers conduct rallies and street plays in the neighborhood of college for social causes like use of paper bags instead of plastic, following traffic rules and voting as a responsibility. This club also conducts visits to orphanages, old age homes, blind school and paraplegic wards, blood donation camps, amongst other activities. A week long NSS camp is held yearly, where the students stay and interact with local villagers and carry out awareness drives, river cleaning campaign, educating the villagers on various topics like technology based irrigation and agricultural techniques.

All the above mentioned activities help students become more confident, self assured and responsible citizens.

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

1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

Response: 2.56

1.3.2.1 Number of courses that include experiential learning through project work/fieldwork/internship year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
9	8	7	6	4

File Description	Document
Programme / Curriculum/ Syllabus of the courses	https://www.aitpune.com/NAACData/Metric/1.3.2_merged%20syllabus%20showing%20project.pdf
MoU's with relevant organizations for these courses, if any Average percentage of courses that include experiential learning through project work/field work/internship	View Document https://www.aitpune.com/NAACData/Metric/3.5.2_Final.pdf https://www.aitpune.com/NAACData/Metric/3_5_1_metric_level.pdf

1.3.3 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year

Response: 50.04

1.3.3.1 Number of students undertaking project work/field work / internships

Response: 657

File Description	Document
List of programmes and number of students undertaking project work/field work/ /internships	https://www.aitpune.com/NAACData/Metric/1.3.3_.pdf

1.4 Feedback System

1.4.1 Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders 1) Students 2) Teachers 3) Employers 4) Alumni

Response: All of the above

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

1.4.2 Feedback process of the Institution may be classified as follows: Options:

1. Feedback collected, analysed and action taken and feedback available on website
2. Feedback collected, analysed and action has been taken
3. Feedback collected and analysed
4. Feedback collected
5. Feedback not collected

Response: B. Feedback collected, analysed and action has been taken

File Description	Document
URL for feedback report	https://www.aitpune.com/NAACData/Metric/1_4_2_feedback%20process.pdf

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average Enrolment percentage (Average of last five years)

Response: 100

2.1.1.1 Number of students admitted year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
1313	1282	1282	1282	1231

2.1.1.2 Number of sanctioned seats year wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
1313	1282	1282	1282	1231

File Description

Institutional data in prescribed format

Document

https://www.aitpune.com/NAACData/Metric/2_1_1_student%20enrollement_pagenumber.pdf

2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)

Response: 0

2.1.2.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	0	0

File Description

Average percentage of seats filled against seats reserved

Document

[View Document](#)

Any additional information

[View Document](#)

2.2 Catering to Student Diversity

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

Response:

The Institution tracks the students through out their academic journey. Students in AIT come from different parts of the country. Special efforts are made to enhance the performance of slow learners. Students with good academic background and skills are guided to higher levels of achievements and encouraged towards challenging goals.

Institution employs several methods to assess the students in terms of their knowledge, their abilities and skills. The faculty members of the admission committee enquire into the interest of students and gauge their soft skills. During the induction program, all the students go through tests which evaluate their soft skills and the coding abilities. The 12th standard marks and the Joint Entrance Exam (JEE) rank of the students is shared with the faculty. On the basis of this, the subject teachers identify the slow and the advanced learners. This is further verified during the class room interactions and internal tests.

The value added courses act as a bridge to enhance the skills of both advanced as well as poor learners. The college undertakes the following measures to improve educational standards of all the students to achieve the targeted goal.

Strategies adopted for slow learners

- Bilingual mode of teaching to reach students weak in English.
- Remedial / Make-up classes/ Extra lectures
- Personal Attention in teaching
- Batch counselors motivate them and keep track of the student progress
- The Student mentors help their mentees with academics
- Special notes
- Assignments and solving University question papers.
- Giving Question bank
- Guidance for Seminar/Project presentation
- Mock oral/practical examination

Strategies adopted for advanced learners

- Encouragement to complete MOOC courses
- Additional Library facilities and book bank facility
- Participation in incubation center
- Induction in Clubs like Robotics and OSS club.
- Participation in Seminars/Conferences/ workshops
- Industry/Defense sponsored/research projects.
- Paper publication and presentation
- Patent filing.
- Motivation and guidance for higher studies/joining defense forces
- Project competition like National Design Research Forum of IE(I)

- ♦ Inter-University Research Project Competition-Avishkar
- ♦ Industrial training/Internship

Students are encouraged to do their best. To motivate them, a number of scholarships and awards have been established. The Tata scholarship is for the class toppers, there is an all round Raghvender Trophy with a cash prize. A trophy and a cash prize of Rs 25,000/- is given to the best outgoing students. An appreciation letter is sent to the parents of achiever.

Institute provides special soft skills training and exclusive counseling to all learners which helps them to plan their career and achieve their desired placements.

File Description	Document
Upload any additional information	View Document

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

Response: 20.2

File Description	Document
Any additional information	https://www.aitpune.com/NAACData/Metric/2_2_2_students%20teachers%20data%20of%202019-20.pdf

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

Response:

Some of the techniques being followed for captivating interest of students and helping them become willing and ardent learners are:

Active learning: The faculty adopts teaching methods that involve students in active learning process through activities like Brain storming, quiz, debate, group discussions, role play, model making, mini projects, presentations, elocutions, case studies and simulations on technical content. Open ended problems requiring critical/creative thinking are posed to promising students. Multiple pauses during lectures, brief demonstrations are given for better assimilation.

Collaborative Learning: This is implemented by forming student teams working jointly to solve a problem, complete a task/project, participate in debates or design a product within stipulated time frame. This not only encourages group learning but also helps in knowledge building of students.

Inquiry-based Learning: Students are encouraged to search and make use of resources beyond classroom, for investigation of open ended questions/problems. This helps in developing their critical thinking and increasing understanding levels. Review of research papers, surveys, and case studies keep them abreast

with latest development in the field of industry and research.

Cooperative Learning: The faculty also focuses on cooperative learning methodologies. Students work together to maximize their own and each other's learning in student chapters and also while performing various activities using think-pair-share, round table techniques, etc. The mentor mentee system has been specially designed keeping cooperative learning in mind.

Learning based on Problem Solving: In projects/competitions, participating students are assigned different tasks, assignments, and responsibilities. The students engage in complex, challenging problems and collaboratively work toward their solutions by using inter-disciplinary knowledge e.g. Design of Resonance racing vehicles(BAJA,SUPRA), Design and implementation of Software/Apps, Design and building Robots.

Peer Led Team Learning: Institute provides an environment for students to engage in intellectual discussions and work in teams for problem-solving under guidance of a peer leader to carry out various activities. This is realised when student secretaries under guidance of faculty incharge, with the help of their class mates and juniors, organize intra and inter college events like Aakriti, Pace and Solution.

Experiential learning:The faculty members foster learning environment by engaging in rich experiential content of teaching through experimentation, demonstration, visual aids, periodical industrial visits, organizing exhibitions as well as presenting papers. Field based experiential learning like Internship add to hands on experience and makes students industry ready and provides excellent networking opportunities.

Project based learning: University has introduced a credit subject, Project Based Learning in FE. In SE students complete a mini project while mini project in TE is a credit subject. 75% of BE projects are sponsored. Projects are application of theory and help to bridge the gap between theoretical concepts and their practical applications.

Corporate social responsibility: Corporate social responsibility is a statutory responsibility of every corporate. The institution practices experiential learning by taking students to the Old age home and orphanages, conducting blood donation camps and Swach Bharat Abhiyan etc. By these activities students are sensitized towards social responsibility and commitment to national interest.

File Description	Document
Upload any additional information	View Document

2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.

Response:

Teachers use a diverse set of ICT tools to communicate, create, disseminate, store, and manage information. They use various means to integrate ICT into teaching learning process which is user friendly and accessible to all the students. ICT tools such as laptops, desktops, LCD projectors and speakers are being used by the teachers in the teaching learning process to make it more interactive and effective to the audio learners, visual learners and the audio-visual learners.

All the class rooms and laboratories are ICT enabled. There is a smart classroom in every department. The seminar halls and auditorium are also ICT enabled, with wi fi connection, projector system and computer.

Entire campus of the institution is covered with Wi-Fi and LAN based facilities which are powered by 1150 MBPS bandwidth dedicated lease line which is effectively utilized for teaching-learning process.

Some of the innovative e-resources which are being used by the teachers are MOOC, Flipped classroom and YouTube.

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

- Teams is used to manage and post course related information- learning material, quizzes, lab submissions and evaluations and assignments. The teachers are encouraged to record their lectures and make them available on share for the student reference.
- Some teachers also use Google forms to conduct class tests.
- Moodle is also used to upload the study material and evaluation. SPPU online insem exams, during the pandemic was conducted on this platform.
- Class whatsapp group are created for discussion and sharing.
- Virtual labs are used to conduct labs through simulations.
- The PPTs are enabled with animations and simulations to improve the effectiveness of the teaching- learning process.
- Videos related to subject matter are shown to students, followed by a discussion on the same.
- The online learning environments are designed to train students in open problem-solving activity.
- Video lectures and demonstrations are created and uploaded on appropriate platforms for students to use as extra learning resources.
- Lab manuals are uploaded on moodle/teams or mailed to students or shared on class WhatsApp group, well in advance before the experiment is performed.
- Online quizzes and polls are regularly conducted to record the feedback and evaluate the learning of students.
- To teach mathematical subjects in online mode, teachers have used various online tools like- whiteboard in Microsoft teams.
- Teachers have developed e-content and 4 quadrant 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.

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

Response: 20.2

2.3.3.1 Number of mentors

Response: 65

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	View Document
mentor/mentee ratio	View Document
Circulars pertaining to assigning mentors to mentees	https://www.aitpune.com/NAACData/Metric/2_3_3_mentor%20mentee%20details%20of%202019-20.pdf

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 100.25

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years (Data Template)	View Document https://www.aitpune.com/NAACData/Metric/2.4.1_final.pdf
List of the faculty members authenticated by the Head of HEI	https://www.aitpune.com/NaacData/Ext/3_1_ext_prof.pdf

2.4.2 Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)

Response: 23.57

2.4.2.1 Number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. year wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
17	20	19	16	15

File Description	Document
List of number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Super speciality / D.Sc. / D.Litt. and number of full time teachers for 5 years (Data Template)	https://www.aitpune.com/NAACData/Metric/2_4_2_faculty%20phd%20degree.pdf
Any additional information	View Document

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

Response: 14.88

2.4.3.1 Total experience of full-time teachers

Response: 967

File Description	Document
List of Teachers including their PAN, designation, dept and experience details(Data Template)	View Document https://www.aitpune.com/NAACData/Metric/2_4_3_appointment%20orders%20of%20faculty%20of%202019-20.pdf

2.5 Evaluation Process and Reforms

2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and mode

Response:

- 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.
- Since the College has to follow the examination time tables of the affiliating university, there is very little scope for flexibility from examination schedule. Consideration cannot be provided even for the internal assessment examinations.

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

Response:

- University evaluation grievances are submitted through the Chief Examination Officer/Student Section to the University in required format. Students are counseled by their counselors and guided by student section for filling these forms.
- University redresses these grievances.
- Grievances regarding internal evaluation are communicated by student to the HOD who enquires into the matter with concerned teacher.
- Suggestion boxes are mounted outside office of each HOD for students to communicate grievances. College level Grievances Committee also resolves different complaints raised by the students, if they are of a grave nature. The names of committee members are prominently displayed in the central foyer.

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.

Response:

- ◆ Programme and course outcomes for all Programmes offered by the institution are displayed on institution's website.
- ◆ Course Outcomes are displayed in laboratories and key locations in the college. Faculty members make the students aware of the same from time to time.
- ◆ They are discussed by the class counselors during the FE induction program. Course Objectives/Course Outcomes are published in the syllabus of the University and discussed by the subject teachers in the class room.
- ◆ Mapping of Course Outcomes versus Program Outcomes and Program Specific Outcomes is done by the subject teacher. Attainment of Course Outcomes and mapping with gaps is done in order to identify corrective actions required.

File Description	Document
Past link for Additional information	View Document

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

Response:

- ♦ Each course has a defined set of course outcomes and corresponding evaluation criteria. The course outcomes are mapped to the program outcomes which are used to provide the quantitative measurement of how well the program outcomes are achieved. The performance of the students in the examinations during the semester in each course is used to compute the level of attainment of the POs and PSOs through the mapping of questions to COs and COs to POs and PSOs. Mapping of Course Outcomes versus Program Outcomes and Program Specific Outcomes is done by subject teacher.

CO Attainment

The process of course outcome assessment is based on Insem examinations, semester end examination, Assignments and quiz. Each question in internal/semester end/assignment/quiz is tagged to the corresponding CO and the overall attainment of that CO is based on average mark set as target for final attainment.

1.Internal Examinations are conducted at least once a semester and each of them covers the evaluation of all the relevant COs attainment.

2.End Semester University Examination is descriptive, and a metric for assessing whether all the COs are attained.

Rubrics

The attainment of Course Outcomes of all courses with respect to set attainment levels are given under.

% of CO attainment	More than 70%	More than 60% & less than 70%	More than 50% & less than 60%	Less than 50%
CO attainment level	3	2	1	0

The attainment of each CO is computed by setting the class average mark as the target. The COs of each course are mapped to POs & PSOs with weightages of 3 (High), 2 (Medium) and 1 (Low). The value obtained for CO attainment is multiplied by 1 for High 0.8 for medium and 0.6 for low correlation with the PO.

Assessment of Course outcomes of Lab courses

The course outcomes of a practical course should satisfy at least any one or more of the defined program outcomes. These describe what students are able to demonstrate in terms of knowledge, skills, and values upon completion of the said course. Percentage of students who score more than 70% marks in each measured criterion is taken for calculating CO attainment.

Attainment of Program Outcomes and Program Specific Outcomes

All the courses which contribute to the PO are identified and these courses are evaluated through the Course Outcomes using direct (Internal (30% weightage) and External exam (70% weightage) assessments. The overall results from the assessments of the PO are compared with the expected attainment. The PO is considered satisfied on attainment of the expected level.

For each course, the level of attainment of each CO is compared with the predefined targets, and if not attained, the course coordinator takes necessary steps for improvement. If the target criterion level is not reached, then faculty suggest for improvement to attain the same.

2.6.3 Average pass percentage of Students during last five years

Response: 95.32

2.6.3.1 Number of final year students who passed the university examination year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
358	293	280	304	295

2.6.3.2 Number of final year students who appeared for the university examination year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
362	307	300	318	316

File Description

Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)

Document

[View Document](#)

https://www.aitpune.com/NAACData/Metric/2.6.3_result_analysis_last_5_yrs.pdf

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 14.90

File Description

Upload database of all currently enrolled students (Data Template)

Document

[View Document](#)

Criterion 3 - 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, Chairs in the institution during the last five years (INR in Lakhs)

Response: 79.59

3.1.1.1 Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
28.62	18.20	9.33	14.10	9.34

File Description

Document

List of endowments / projects with details of grants

https://www.aitpune.com/NAACData/Metric/3_1_1_research%20grant%205%20yrs.pdf

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

Response: 6.15

3.1.2.1 Number of teachers recognized as research guides

Response: 04

File Description

Document

Institutional data in prescribed format

https://www.aitpune.com/NAACData/Metric/3.1.2_PhD%20guide%20proof.pdf

3.1.3 Percentage of departments having Research projects funded by government and non government agencies during the last five years

Response: 75

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

2019-20	2018-19	2017-18	2016-17	2015-16
3	3	3	3	3

3.1.3.2 Number of departments offering academic programmes

2019-20	2018-19	2017-18	2016-17	2015-16
4	4	4	4	4

File Description	Document
List of research projects and funding details	View Document https://www.aitpune.com/NAACData/Metric/3.1.3_Final_11%20nov.pdf

3.2 Innovation Ecosystem

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

Response:

Institution conducts “Tech-Aakriti” and “Solutions” annual intra and inter college competitions which stimulate critical thinking, creativity and scientific temper among the students.

Activities and participation in national level competitions like SUPRA-BAJA, ROBOTICS help the students to develop creative technical approach. The institute provides support in terms of financial, academic, infrastructural facilities, human resources required and timely administrative decisions to enable students and staffs for participating in the various technical activities.

The institute has collaborated and signed MoUs with other agencies/ institutions/research bodies and also has sponsored labs like 3DPLM and EV Lab to provide state of art facilities to students for realizing their ideas and innovations.

Students are given innovative projects to inculcate the creativity and critical thinking ability in them. 70% of such projects are sponsored.

Through student chapters of professional bodies (CSI, IEEE, IETE), various opportunities of competitions are made available to students.

Competitive national level exams like NCAT, NNSC are organized at college to improve the critical thinking of students.

IIC and E cell conduct various programs to enhance Innovation, IPR, Entrepreneurs and foster startups.

To transfer knowledge amongst faculty members and students R&D Cell conducts webinars not only by imminent personalities but also by AIT faculty who complete their Phd or get a grant of patent.

Innovation and incubation cell has been established in 2014 to foster the spirit of innovation and entrepreneurship in our students.

A dedicated 2 Mbps line has been provided to Innovation and Incubation Centre to collaborate with industry.

College is covered by wifi and by an internet connection of 1150 Mbps.

Appreciation letters are given to the students and faculties for their achievements.

Concession is also given to the students in the academics in the form of leaves for attending the events.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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

Response: 09

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

2019-20	2018-19	2017-18	2016-17	2015-16
02	nil	03	nil	04

File Description	Document
List of workshops/seminars during last 5 years	View Document https://www.aitpune.com/NAACData/Metric/3.2.2.pdf

3.3 Research Publications and Awards

3.3.1 Number of Ph.Ds registered per eligible teacher during the last five years

Response: 0

3.3.1.1 How many Ph.Ds registered per eligible teacher within last five years

3.3.1.2 Number of teachers recognized as guides during the last five years

File Description	Document
List of PhD scholars and their details like name of the guide, title of thesis, year of award etc	https://www.aitpune.com/NAACData/Metric/3.3.1%20&3.3.1-2%20list%20and%20proof%20_AIT-Nov%208,2021.pdf
Any additional information	View Document
URL to the research page on HEI website	View Document

3.3.2 Number of research papers per teachers in the Journals notified on UGC website during the last five years

Response: 1.52

3.3.2.1 Number of research papers in the Journals notified on UGC website during the last five years.

2019-20	2018-19	2017-18	2016-17	2015-16
36	24	07	08	40

File Description	Document
List of research papers by title, author, department, name and year of publication	https://www.aitpune.com/NAACData/Metric/3.3.2%20final_proofs.pdf

3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Response: 0.67

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 last five years

2019-20	2018-19	2017-18	2016-17	2015-16
16	12	08	07	08

File Description	Document
List books and chapters edited volumes/ books published	View Document https://www.aitpune.com/NAACData/Metric/3.3.3%20Final-15%20Nov%2021.pdf

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 last five years.

Response:

The vision of our college is to provide the right environment for development of physical, intellectual, spiritual and emotional quotients in our students. Values of good citizenship are inculcated in our students by the teachers and student peer group. College has an AIT tenet and honor code for students that they have to abide by. The AIT tenet is prominently displayed in the main foyer and the honor code is uploaded on the college website.

AIT has a very active National Service Scheme (NSS) club and large number of students are members of this club.

Some of the activities of NSS club are as follows:-

Visit to Orphanages/Boarding houses for under-privileged students:

Students along with the staff members visit nearby orphanages. College sponsors the gifts/medicines/provisions carried by students to the orphanages. Along with the college, students and staff members also contribute towards the gifts carried to these institutes. In addition to this organized interaction, students visit these orphanages on Sundays and other holidays to spend time with the kids.

Students also visit these orphanages on Independence day and Republic day. After attending flag hoisting on college campus, students and staff carry sweets for children and spend quality time with inhabitants of orphanage/boarding home or nearby slum areas.

Visit to Blind School: Our students visit a Blind School, spend quality time with inhabitants. The gifts carried by students to the blind are based on their needs and much appreciated.

Visit to Queen Mary Technical Institute (QMTI): QMTI is a central government organization which provides vocational training to soldiers disabled during service. Our students carry sweets for these ex-army personnel and interact with them. Students come back inspired and motivated by the undaunting spirit of these soldiers.

Blood donation camps: College collaborates with AFMC for conducting blood donation camps. We regularly conduct a blood donation camp each semester. Our students enthusiastically donate blood.

Road safety awareness: College students have conducted a number of sessions on road safety at the nearby locality. Students prepared banners and placards and with the help of local police and discussed the importance of following traffic laws with locals.

Tree plantation: Every year during monsoons we conduct a tree plantation drive. Over the years it has made our campus lush and green.

A week long NSS camp: Student volunteers along with the staff members spend a week at the adopted village. They interact with the villagers and carry out activities like cleanliness drives, river cleaning,

performing skits for awareness drives amongst others. This is an enriching experience for students as they get to know first hand the challenges faced by the villagers. It also provides them with an opportunity to find innovative solutions for such challenges.

All these activities help in forming institution-neighborhood- community network and have made AIT recognizable in our neighborhood. All these student engagements contribute in making our students into good and responsible citizens along with their service orientation and holistic development.

File Description	Document
Paste link for additional information	View Document

3.4.2 Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years

Response: 5

3.4.2.1 Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.

2019-20	2018-19	2017-18	2016-17	2015-16
1	2	2	0	0

File Description	Document
Number of awards for extension activities in last 5 year	https://www.aitpune.com/NAACData/Metric/3.4.2_final.pdf
e-copy of the award letters	View Document

3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years

Response: 52

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

2019-20	2018-19	2017-18	2016-17	2015-16
23	4	8	8	9

File Description	Document
Number of extension and outreach Programmes conducted with industry, community etc for the last five years	https://www.aitpune.com/NAACData/Metric/3.4.4%20and%203.4.3_metric%20level_NSS.pdf

3.4.4 Average percentage of students participating in extension activities at 3.4.3. above during last five years

Response: 23.74

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 last five years

2019-20	2018-19	2017-18	2016-17	2015-16
356	214	310	325	312

File Description	Document
Average percentage of students participating in extension activities with Govt or NGO etc	https://www.aitpune.com/NAACData/Metric/3.4.4%20and%203.4.3_metric%20level_NSS.pdf

3.5 Collaboration

3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year

Response: 375

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

2019-20	2018-19	2017-18	2016-17	2015-16
98	75	68	63	71

File Description	Document
Details of Collaborative activities with institutions/industries for research, Faculty exchange, Student exchange/ internship	https://www.aitpune.com/NAACData/Metric/3_5_1_metric_level.pdf

3.5.2 Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years

Response: 12

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

2019-20	2018-19	2017-18	2016-17	2015-16
01	04	03	01	03

File Description	Document
e-Copies of the MoUs with institution/ industry/corporate houses	https://www.aitpune.com/NAACData/Metric/3.5.2%20Final.pdf
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	View Document

Criterion 4 - 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.

Response:

College has well equipped classrooms, laboratories, seminar halls and tutorial rooms to ensure an effective teaching-learning process. The facilities of audio-video and ICT tools helps to strengthen the infrastructure of the institute.

The infrastructure consists of 19 classrooms, 08 tutorial rooms, 45 laboratories, 05 seminar halls and a workshop. All the Classrooms and seminar halls have LCD projector and Internet connectivity. 05 Class rooms are smart class rooms with audio video recording facilities. Each Department has well maintained and continuously updated laboratories.

The institute has a few sponsored labs for example 3D PLM and EV lab.

There are 731 computers in the college and 1500 Mbps internet connectivity with NKN providing 1000 Mbps connectivity.

The workshop consists of different facilities for mechanical based practicals like carpentry, welding, black smithy and tin smithy shops.

Exclusively, Training and Placement (T & P) cell provides adequate infrastructure for training and placement activities. It has separate seminar hall, interview rooms and conference halls to carry out different activities of T&P.

Library and reading hall are housed in a separate building.

For the physically impaired students, institute provides Ramps, a special toilet and an elevator is in the process of being installed. For security purpose there is an electronic surveillance system

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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

Response:

The college has the following facilities:

Outdoor and Indoor games facilities:

- ♦ Outdoor Games: Cricket, Football, Net cricket, Basket Ball, Volleyball, Tennis
- ♦ Indoor games: Table tennis, Badminton, Squash, Chess, Carrom, Billiards
- ♦ A Gym for keeping fit
- ♦ A GTO training course

For cultural events:

- ♦ An Open Air Theatre, Two Auditoriums, a Music room

For Co-curricular activities:

- ♦ Project rooms: OSS (with 05 PC), Robotics, Incubation center, ...
- ♦ Language lab: 20 PCs with Clarity English software

Health and Hygiene:

- ♦ Nursing Assistant room for medical assistance
- ♦ RO plant
- ♦ Open air Canteen
- ♦ Water coolers
- ♦ Toilets

College has three auditoriums for conducting various extra and co-curricular activities.

S. No.	Name	Description	Area(sq.m.)
1	Field Manekshaw Hall	Marshall Capacity-330,central air conditioning, PA system, dual projection system,internet connectivity	420.0
2	Gen. B C Joshi Hall	Capacity -200, air conditioning, PA system, projection system, Internet connectivity	367.7
3	Raman Theatre	Capacity-1200 , PA system, Wi-Fi, projection system	1230

Areas for co-curricular activities

S.No.	Description	Description	Area(sq.m)	
1	Project rooms:			
	OSS	With 05 PC	37.52	

	Robotics		53.41
	Incubation center	Wi-Fi	53.78
2	Language lab.	20 PCs with Clarity English software	53.78
Areas for sports , outdoor and indoor games			
S.No.	Description	Number	Area(sq.m)
1	Basket ball court	02	540
2	Football field	01	5500
3	Cricket field	01	858.89
4	Badminton court	01	156
5	Squash court	02	102
6	Gymnasium	01	361.18
File Description		Document	
Upload any additional information		View Document	

4.1.3 Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. (Data for the latest completed academic year)

Response: 100

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 19

File Description	Document
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View Document https://www.aitpune.com/NAACData/Metric/4_1_3/ICT enabled classes.pdf
4.1.4 Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)	

Response:

4.1.4.1 Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
122.41	203.45	149.40	123.63	162.65

File Description	Document
Upload Details of budget allocation, excluding salary during the last five years (Data Template)	https://www.aitpune.com/NAACData/Metric/4.1.4/INCOME EXPDR.pd

4.2 Library as a Learning Resource

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

Response:

Library is fully automated & using SLIM 21 for Library management that manages and integrates multiple core library functions and services. The library has also received latest upgraded version time to time to meet the technological advances. Modules presently implemented in the library which required for day to day library management are Cataloguing, Circulation, Acquisition, Serial Control and Web OPAC. Different kind services such as reference service, email alert service and OPAC facility are provided by library through the library management system.

Variety of reports and statistics generated through SLIM21 library management system to support library system. RFID tags are attached to books.

File Description	Document
Upload any additional information	View Document

4.2.2 The institution has subscription for the following e-resources

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases
- 6.Remote access to e-resources

Response: E. None of the above

File Description	Document
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership , Remote access to library resources, Web interface etc (Data Template)	https://www.aitpune.com/NAACData/Metric/4_2_2/institutional%20e%20resources%20subscription.pdf

4.2.3 Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

Response: 25.08

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

2019-20	2018-19	2017-18	2016-17	2015-16
23.31	13.81	31.30	34.43	22.55

File Description	Document
Details of annual expenditure for purchase of books/e-books and journals/e-journals during the last five years (Data Template)	https://www.aitpune.com/NAACData/Metric/4_2_3_library%20expenditure%20proof.pdf
Audited statements of accounts	View Document

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

Response: 7.69

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

Response: 106

File Description	Document
Details of library usage by teachers and students	https://www.aitpune.com/NAACData/Metric/4_2_4_METRIC%20LEVEL%20FINAL.pdf

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

Institute has adequate IT facilities. It has more than 02 system software and more than 20 application software, which are used continuously by the students and faculty.

Application Software such as MATLAB, Auto CAD, computer vision system, Signal processing tools box, SLIM, etc are available at the institute. Software are updated continuously, as per the needs of the students, as are the computers. Institute has well established language lab to enhance communication skills.

Learning Management System (LMS)-Moodle, helps the institute to manage effective teaching learning processes. The institute has adequate number of computers with 1150 Mbps Internet connectivity and Wi-Fi facility to fulfill the academic and research need. Centralized firewall is used for securing the internal network. The institute has deployed the educational Enterprise Resource Planning (ERP) software for admission, monitoring student and faculty attendance, interaction with students and their parents.

Faculty members are provided with the computers with Internet connection at their respective locations. The number of computers have increased to 731 in 2020-21.

All computers are connected to UPS. The 3x125 KVA generators ensures that there is no interruption in power.

File Description	Document
Upload any additional information	View Document

4.3.2 Student - Computer ratio (Data for the latest completed academic year)

Response: 1.82

4.3.3 Bandwidth of internet connection in the Institution

Response: A. 1500 MBPS

File Description	Document
Details of available bandwidth of internetconnection in the Institution	View Document https://www.aitpune.com/NAACData/Metric/4.3.2%20computers%20for%20students%20use%20only.pdf

4.4 Maintenance of Campus Infrastructure

4.4.1 Average percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years(INR in Lakhs)

Response:

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

2019-20	2018-19	2017-18	2016-17	2015-16
182.37	282.18	201.81	291.51	227.70

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	https://www.aitpune.com/NAACData/Metric/4.4.1_%20EXPDR.pdf

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.

Response:

A budgetary provision is made for maintenance of the physical facilities of the institute.

Civil Maintenance

Maintenance of civil works is needed for getting uninterrupted services which facilitate smooth and efficient functioning of the institution. The maintenance of civil works include

- Maintaining cleanliness and sanitation in the campus.
- Repair of frequently damaging components like window glasses, plumbing components, sanitary ware, floor tiles, doors, classrooms, benches, boards, furniture, faculty rooms etc
- Internal roads maintenance.
- Water supply and over head/underground water tank maintenance.

Course of action:

- Maintenance cell is headed by maintenance in-charge who is retired army person E/M JCO. Complaint register is maintained in the department for registering and monitoring complaints. As per the stock availability the problem is attended and resolved.
- Minor maintenance of furniture items and metal fixtures is carried out by the employed capenters.
- Plumbers employed by the college look after the plumbing.
- If the cost of the requirement exceeds Rs.10,000/-, approval must be obtained from the management. If the work involves more financial support, quotations are invited from the vendors.
- Preparation of the comparative statement and placing purchase order.
- On receiving material, resolving the problem.
-

Mechanical Maintenance / Laboratory maintenance:

- If the equipment/machinery is to be serviced during the warranty period, the supplier of the equipment/machinery will be intimated about the repair and it will be serviced either in-house or in the supplier premises based on the nature of defect.
- After warrantee period if the equipment/machinery demands service, the technical staff attached to the respective laboratories service the equipment/machinery to the extent possible.
- If not, identify the persons outside the organization who repair /calibrate the equipment, if necessary contact the supplier of the equipment.
- If no items are required to purchase for repairing the equipment, the equipment is repaired

immediately.

- ♦ If items are required then send a proposal to the purchase incharge through proper channel (concerned HOD).
- ♦ After the items are purchased the equipment will be repaired/calibrated by the person.
- ♦ The bill will be sent to the accounts department through proper channel.

Maintenance of power house:

- ♦ Automatic power factor controller (APFC) in power station & controlling harmonic spikes.
- ♦ The electricians employed for the purpose deal with regular electrical maintenance in the college.
- ♦ Electricians keep the generators in working condition.

CENTRAL LIBRARY

- ♦ The order list shall be prepared on the basis of suggestions of the faculty and students.
- ♦ The list shall be forwarded to the principal and Director for approval after which it is returned to Library for procurement.
- ♦ The books are received by librarian from the supplier. An inspection will be carried out to check quantity, Title, Author, etc, as per the invoice.
- ♦ The books received are entered in the Accession Register (AR).
- ♦ After the completion of Accession, due date slip, numbering shall be pasted on internal Title Page of the Book.

Sports:

- ♦ The sports club which includes Physical Director, faculty in charges and student secretaries conducts timely meetings for the purpose of discussing budget proposal, conduct of Intra and Inter collegiate tournaments for each academic year.
- ♦ The order is placed with prior approval of the management.
- ♦ The sports related materials are issued to the students by maintaining an issue/return register which reflects the utility and demand of the items.
- ♦ Equipment related to various physical activities and sports are upgraded on a regular basis.
- ♦ The up keeping of the sports items and fields is done through regular monitoring using required work force of maintenance cell.

Repairs and maintenance of Computer / Network (LAN) / Projector / UPS / WiFi/ EPABX:

- ♦ Service / repair request is placed through maintenance cell of computer department.
- ♦ The request will be processed through the technical assistants employed for this purpose.
- ♦ College has an annual maintenance contract (AMC) for computers and some equipment.
- ♦ Anti-virus software is purchased and is renewed annually

Miscellaneous

- ♦ Security of the institute is assigned to external agency.
- ♦ Fumigation of the entire institute is done frequently by third party housekeeping agency.
- ♦ The institute garden is maintained by the gardeners appointed by college.

Utilization

- ♦ The classrooms, laboratories, seminar halls, and library facilities are utilized regularly by the students for the learning process and timetables indicate the regular utilization of the respective facilities.
- ♦ The institute has adequate number of computers with internet connections and required software's are distributed in different locales like office, laboratories, library, departments etc.
- ♦ There are computer/software laboratories for each department and a central computer laboratory with proper networking for internet access.
- ♦ The library has a reading hall and separate computers for students to access e- journals, while the subscribed e-journals can also be accessed from any networked computer in the institute. Library and the reading hall are open beyond college hours, for student convenience.
- ♦ Antivirus software is purchased and is renewed annually for the smooth working of all the computers in the institute.
- ♦ Some of the clubs have their own space for eg. BAHA, Robotics, OSS, which students can access beyond college hours.
- ♦ The sports facility of the institute is handled by a physical director and the sports club. These facilities are made available to all the students of the institute. The institute has large open grounds for cricket, football, volleyball, tennis, squash court, badminton, basketball and a gymnasium utilized by the students.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during last five years

Response: 30

5.1.1.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

2019-20	2018-19	2017-18	2016-17	2015-16
99	406	407	388	383

File Description

Upload any additional information Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years (Data Template)

Document

[View Document](#)

https://www.aitpune.com/NAACData/Metric/5_1_1_metric_level_Govt_scholarship_list.pdf

5.1.2 Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years

Response: 33

5.1.2.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

2019-20	2018-19	2017-18	2016-17	2015-16
90	397	399	386	381

File Description

Number of students benefited by scholarships and freeships institution / non- government agencies in last 5 years (Date Template)

Document

https://www.aitpune.com/NAACData/Metric/5_1_2_metric%20level%20_scholarships.pdf

5.1.3 Capacity building and skills enhancement initiatives taken by the institution include the following

- 1.Soft skills**
- 2.Language and communication skills**
- 3.Life skills (Yoga, physical fitness, health and hygiene)**
- 4.ICT/computing skills**

Response: All of the above

File Description	Document
Details of capability building and skills enhancement initiatives (Data Template)	https://www.aitpune.com/NAACData/Metric/5_1_3_metric%20level_final.pdf

5.1.4 Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years

Response: 14.35

5.1.4.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
416	348	57	46	60

File Description	Document
Number of students benefitted by guidance for competitive examinations and career counselling during the last five years	https://www.aitpune.com/NAACData/Metric/5_1_4_METRIC%20LEVEL_Final.pdf

5.1.5 The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

- 1.Implementation of guidelines of statutory/regulatory bodies**
- 2.Organisation wide awareness and undertakings on policies with zero tolerance**
- 3.Mechanisms for submission of online/offline students' grievances**
- 4.Timely redressal of the grievances through appropriate committees**

Response: B. 3 of the above

File Description	Document
Upload any additional information	View Document
Minutes of the meetings of student redressalcommittee, prevention of sexual harassmentcommittee and Anti Ragging committee	View Document
Details of student grievances including sexualharassment and ragging cases	https://www.aitpune.com/NAACData/Metric/5.1.5.pdf

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 84.54

5.2.1.1 Number of outgoing students placed year - wise during the last five years.

2019-20	2018-19	2017-18	2016-17	2015-16
313	245	262	258	278

File Description	Document
Details of student placement during the last five years (Data Template)	View Document https://www.aitpune.com/Appointmentorder.aspx

5.2.2 Average percentage of students progressing to higher education during the last five years

Response: 12.15

5.2.2.1 Number of outgoing student progression to higher education during last five years

Response: 44

File Description	Document
Details of student progression to higher education (Data Template)	https://www.aitpune.com/NAACData/Metric/5_2_2_METRIC%20LEVEL%20FINAL.pdf

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations, etc.)) year-wise during last five years

Response: 139

2019-20	2018-19	2017-18	2016-17	2015-16
17	30	30	37	25

5.2.3.2 Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year-wise during last five years

Response: 418

2019-20	2018-19	2017-18	2016-17	2015-16
97	88	81	77	75

File Description	Document
Number of students qualifying in state/ national/ international level examinations during the last five years (Data Template)	https://www.aitpune.com/NAACData/Metric/5.2.3_final.pdf

5.3 Student Participation and Activities

5.3.1 Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national / international level (award for a team event should be counted as one) during the last five years.

Response: 4

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) year-wise during the last five years.

2019-20	2018-19	2017-18	2016-17	2015-16
0	4	0	0	0

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national/international level during the last five year	https://www.aitspune.com/NAACData/Metric/5_3_1/METRIC%20LEVEL%20FINAL_PROOFS.pdf

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

Response:

The Institute has a student council constituted with academically strong students as its body, consisting of a male and female student representative in each of the following appointments: General Secretary, Cultural Secretary, Sports Secretary, Technical Club Secretary, NSS Secretary, Magazine Secretary and Spiritual Secretary. The student secretaries are selected based on interview of interested applicants. The selection committee consists of Director, Principal, Joint Director and faculty in charges.

The student council operates with a sense of responsibility in dealing with student concerned activities. The Institute also encourages participation of student representatives in various decisions making, academic and administrative committees, this enable them in acquiring better academic environment. Student opinions and suggestions are considered to take measures in view of students' perception. Institute puts efforts for the all-round development of a student. They take part in various professional society chapters like IEEE, ISTE, CSI, and ACM. Also student members are involved in several Institute and Department level committees with active participation. Some of them are mentioned below.

Internal Quality Assurance Cell (IQAC): Student representatives are nominated for this cell, who participate in decisions regarding quality initiatives of institute.

Student Mess Committee: The quality and hygiene of the canteen is monitored by student representatives along with the other nominated faculty members. They visit frequently and collect feedback from peers and also continuously monitor the quality and quantity of the food served.

NSS is also encouraged in the institute enabling the student to participate in service activities like organizing blood donation, rural health & sanitation and environmental awareness camps in neighboring areas as a social responsibility.

College Development Committee: Students representatives, the Secretary and President of the student council, are a part of this committee which takes decisions about college activities and development.

Student Discipline committee: This committee maintains harmony and discipline amongst students.

Ant-Ragging: This committee ensures zero ragging incidents in Institute and also spreads awareness among students against any type of ragging activities.

Cultural: This committee co-ordinates various cultural activities and events throughout the year. Aakriti is

annual social festival which showcases cultural talent of students while Arambh is the talent hunt for FEs. Amethyst is intercollegiate cultural competition organised by the students.

Sports: This Committee organizes intercollege event PACE and the interdepartmental sports aakriti. Our students actively participate in various sports events at intercollegiate, interuniversity, state and national level.

Magazine: Srijana is our annual magazine published by Magazine Board. A few e magazines are also created by the same club, besides conducting an inter collegiate slam poetry competition. Students express their talent in the form of articles, poetry, interviews of eminent personalities etc. This exercise imbibes societal values in students.

Technical Activities: Every Department has active Student's chapter associated with Institution of Engineers, India. These chapters conduct various programs such as Expert lectures, Industrial visits to name a few. Institute organizes inhouse interdepartmental competition, Tech Aakriti and inter collegiate event Solutions, every year, consisting of various technical competitions such as Paper Presentation, Technical Quiz, Robot War, Model Making etc.

5.3.3 Average number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 7.6

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

2019-20	2018-19	2017-18	2016-17	2015-16
9	8	8	7	6

File Description	Document
Number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions (Data Template)	https://www.aipune.com/NAACData/Metric/5_3_3_METRIC%20LEVEL%20FINAL_PROOFS.pdf

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

Response:

An active Alumni Association helps in guiding students and providing them opportunities for sponsored projects and internships. The college has a registered Alumni Association with a dedicated Alumni website

ALUMNI ASSOCIATION ACTIVITIES

Activities of Alumni Association are broadly classified into following categories:-

- Regular activities like annual meet and regional meets.
- Interaction with college through different initiatives like guest lectures, workshops etc.
- Funding at individual and group level sponsorships for events/ competitions etc.
- To refer new industries and assist TPO to fetch new industries for campus placements.
- To motivate students for career in defense forces through relevant talks and interactive sessions.
- Sponsoring projects/ internships of students.

5.4.2 Alumni contribution during the last five years (INR in lakhs)

Response: E. <1 Lakhs

File Description	Document
Upload any additional information	https://www.aitpune.com/NAACData/Metric/5_4_2_METRIC%20LEVEL_ALUMNI%20FUND.pdf

Criterion 6 - 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

Response:

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 for all round development.
- ♦ Interaction and coordination with industries to make students into total quality engineers.
- ♦ Involvement of all stakeholders in decision making bodies.
- ♦ Qualified faculty.
- ♦ Providing a highly secure and fully residential campus with all amenities to ensure effective teaching learning process, even beyond class rooms.
- ♦ Special emphasis on R&D innovation and entrepreneurship
- ♦ Encouraging peer and self learning.

File Description	Document
Paste link for additional information	View Document

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

Response:

- The Institute is under the Army Welfare Education Society (AWES).
- AWES is governed by the Board of Governors headed by the Chief of Army Staff, assisted by the Adjutant General of Indian Army as the Executive Committee head.
- For local administration, the Chief Signal Officer at HQ Southern Command is the Chairman of College Development Committee. Director as the head of the institute provides the link between top management and the establishment of the institute. While many of the values and ethos of army culture are ingrained in the functioning, there is adequate freedom, decentralization as part of the management philosophy.
- The CDC meets regularly and discusses all issues affecting college development threadbare.
- GBM is also conducted once a year where inputs from industry and academia experts are invited and policies formulated.

- ♦ HOD meetings are held by the Director every fortnight, HoDs further hold their departmental meetings thereafter. General Body Meeting (GBM) is also conducted once every year, where inputs from industry, academic experts are invited and policies formulated. HoD meeting is held by the Director every fortnight. HoDs further hold further departmental meeting thereafter.
- ♦ Minutes for all these meetings are scrupulously maintained.
- ♦ The Director and Principal hold departmental open house meeting every six months, in which all employees of a department participate.
- ♦ The Principal interviews all faculty every year and provides feedback and encouragement
- ♦ Students are deeply involved in functioning of the college as well as decision making affecting them. Student elected council members are part of CDC and contribute effectively. There are branch head, class representatives and club in charges who form the extended students' council.
- ♦ There are over 20 active and vibrant clubs for co-curricular and extracurricular activities in AIT which are managed by students. These are very critical in peer learning, developing leadership and team spirit amongst student and hence is an important facet of students all round growth.
- ♦ An extended student council meeting is held every 2 months to discuss various student issues, including hostel administration, presided over by the Director.

File Description	Document
Upload any additional information	View Document

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic / Perspective plan is effectively deployed

Response:

The College has a clear and well defined system to monitor and evaluate the effectiveness and meaningful implementation of the policies and plans of the institution.

- Monitoring and review of the strategic/perspective plan is carried out every six months at the institutional level during the HOD's meetings.
- The AIT IQAC also reviews the program and presents to the CDC every six months.
- The program is also submitted to the society i.e. AWES on yearly basis.
- The plan and program is submitted to Governing Body during the GBM.
- The plan is shown to the department, who work on implementing the future projects in a timely manner.
- All relevant documents related to Strategic/perspective plans are available on website.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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

Response:

- ♦ Details of Institutional Bodies are placed on the AIT website.
- ♦ The institutional bodies include the CDC, IIC, Grievance Committee, Student Council, Committee for conduct of admissions, E cell, R & D cell and many others.
- ♦ Every year this list is published in form of a notice. These bodies meet as per statutory requirement as well when the need arises.
- ♦ They interact with the Principal and Director regularly.
- ♦ The Society governing AIT has its own service rules published as “Rules and Regulations for Professional Institutes” 2009.
- ♦ These rules are updated and modified as per changes in higher education policies and other requirements from time to time.
AIT has placed copy of these rules on its website.
- ♦ Placement SOPs and policy letters are maintained in the office and copies are placed on the website of the college. All employees and students are made aware of the same and are expected to follow the same.

File Description	Document
Upload any additional information	View Document
Link to Organogram of the Institution webpage	View Document

6.2.3 Implementation of e-governance in areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

Response: B. 3 of the above

File Description	Document
ERP (Enterprise Resource Planning) Document	View Document
Details of implementation of e-governance in areas of operation, Administration etc	View Document https://www.aitpune.com/NAACData/Metric/6_2_3.pdf

6.3 Faculty Empowerment Strategies

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

Response:

The institution has tried to maintain a good environment for teaching and non teaching staff.

Staff Welfare Schemes	Percentage or number benefited
Group Accident Insurance scheme	100%
Health insurance/term insurance Scheme	https://www.aitpune.com/rules/INSURANCE%20COVER%20TO%20STUDENTS%20AND%20STAFF%20-%20BY%20AWES%2092-2021.pdf
Festival Advance	interested non-teaching staff
Computer purchase by loan facility	interested teaching and non-teaching staff
Mid service encashment of earned leave	to eligible non teaching staff
Uniform for class IV staff:	Uniforms are provided to all class IV staff twice in a year.
Medical facility on call	This facility is available for all staff and students. Nursing Assistant is available on the campus.
Maternity and paternity leave	6 months maternity leave is given to lady staff member after she completes 2 years of probation. 15 days paternity leave is given to the male staff members.
Gratuity	This scheme was initiated for retirement benefits or on leaving the job. Gratuity is received by an employee in gratitude for their services offered to the institute.
Gymnasium and other sports facilities	Most of the staff staying on the campus and others use the sports facilities. Some also use the gymnasium.

File Description	Document
Upload any additional information	View Document

6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 20.38

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

2019-20	2018-19	2017-18	2016-17	2015-16
22	18	13	12	08

File Description	Document
Details of teachers provided with financial support to attend conference, workshops etc during the last five years	https://www.aitpune.com/NAACData/Metric/6_3_2_METRIC%20LEVE%20FINAL.pdf

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response: 12

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

2019-20	2018-19	2017-18	2016-17	2015-16
15	13	11	12	11

File Description	Document
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff	https://www.aitpune.com/NAACData/Metric/6.3.3%20METRIC%20LEVEL_FINAL.pdf

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).

Response: 35.4

6.3.4.1 Total number of teachers attending professional development Programmes viz., Orientation /

Induction Programme, Refresher Course, Short Term Course year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
26	22	24	31	30

File Description	Document
Details of teachers attending professional development programmes during the last five years	https://www.aipune.com/NAACData/Metric/6_3_4_merged_final.pdf

6.3.5 Institutions Performance Appraisal System for teaching and non-teaching staff**Response:**

Faculty Performance appraisal system is used to evaluate the performance of each faculty member. Standard format suggested by AICTE/UGC is used for taking the self assessment report.

The format takes into consideration teaching activities, administrative activities and research and development activities of each faculty member. All appraisal forms are available on ERP.

In case of non teaching staff standard college format is used.

The performance appraisal reports are assessed by the Head of Department, Principal and Director and discussed with the individual. Based on the Appraisal Report the top 5 teachers are given congratulatory letter, while the bottom 5 teachers are given counseling letters. This record is maintained in their service book.

File Description	Document
Paste link for additional information	View Document

6.4 Financial Management and Resource Mobilization**6.4.1 Institution conducts internal and external financial audits regularly****Response:**

Our Institution has maintained a very transparent financial system. There are well defined processes for sanction of budget to expenditure. An internal approval system for all expenses is in place. Accordingly bill/voucher is recommended by the Head of the Department and approved by the Principal and Director.

Rs 10,000/- is within power of HOD and the item can be procured through demand register. Costlier equipments are procured through project office. Atleast three quotations from different vendors are

compared before giving the final supply order.

All the bills/vouchers are audited by an Internal Auditor on a routine basis. Proper record of all the expenses is maintained by the accounts department. The institution has appointed Hemant Shah & Associates, Chartered Accountant, Vishrantwadi, Pune to carry out external audit. An external auditor executes the statutory audit. Finalization of the account is completed in June/July and audited statements are prepared in June/July duly signed by the Principal, and chartered accountant. Then audited report is submitted by chartered accountant. No major objections are found in the audit by the statutory auditors and minor audit suggestions are complied as per procedure.

In addition Quarterly Audit Board by Station HQ Kirkee and Quarterly Surprise Check of Accounts by Station HQ Kirkee are carried out.

File Description	Document
Upload any additional information	View Document

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

Response: 255.6

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

2019-20	2018-19	2017-18	2016-17	2015-16
56.30	20.00	107.00	28.30	44.00

File Description	Document
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the last five years	View Document https://www.aitpune.com/NAACData/Metric/6_4_2.pdf

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

Response:

The college has a well formulated financial policy which ensures effective and optimal utilization of finances for academic, administrative and development purpose which help ultimately in realizing the institute's vision and mission.

Institute has made the necessary provision towards efficient use of available fund for each academic year.

As per the guidelines of the management, Variance report of sanctioned budget and actual expenditure are regularly maintained.

Budget requirement from all heads of department is taken before the beginning of every financial year and approval sought from the management. This takes into consideration the recurring and non recurring expenditure requirement. The budget is discussed in CDC meeting and approved by the management. As and when required, the institute makes a provision for advance additional fund. The approved budget is expended as per SOP taking CFA approvals as per laid down government procedures.

The Management supports organization of various co-curricular & extra- curricular activities like technical events, sponsoring of faculty & staff for various skill development programs, providing financial support for attending conferences, workshops etc. Financial support is also provided for participation of students at various national and international level events like Baja, SUPRA and different clubs like Robotics and OSS.

The Institute has constituted a separate purchase Committee. The purchase procedure such as calling quotation, technical bid, preparing comparative statement, negotiation meetings are followed for effective and efficient use of available financial resources. The committee ensures that suitable equipment with right specification is procured at competitive and optimal prices. A project officer is appointed to look into procurement and completion of project.

Financial audits are conducted by a chartered accountant every financial year to verify the compliance with established processes

Apart from this, the college also provides financial assistance to student for participation at various national & state level technical, cultural & Sports competition which has led to our students' excellent performance in these events.

File Description	Document
Paste link for additional information	View Document

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

Response:

The Institute has an internal quality assurance cell (IQAC) constituted and reformed time to time. The objective of this committee is to improve the overall quality of academic and administrative functioning and activities of the Institute .

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. Regular IQAC meetings are held and bench marks are set or upgraded. Suggestion from students and alumni are taken in IQAC meetings and implemented wherever required.

The performance of departments as per the benchmarks is assessed annually and Annual Quality Assurance Report (AQAR) is prepared. The Annual Quality Assurance Report AQAR for every year is uploaded on AIT website. Accreditation status of college and departments is available on website for all stakeholders. In the last five years many of the decisions taken in the IQAC meetings were approved and implemented by management.

Year	Date of IQAC meeting	Minutes of meeting
2019-20	3rd March 2020	https://www.aitpune.com/rules/minutes%20of%20iqac/0internal%20meeting%2003%20March%202020.pdf
	17th Sept 2019	https://www.aitpune.com/rules/minutes%20of%20iqac/0internal%20meeting17%20sept%202019.pdf
2018-19	16th Feb 2019	https://www.aitpune.com/rules/minutes%20of%20iqac/I2019.pdf
2017-18	10th March 2018	https://www.aitpune.com/rules/minutes%20of%20iqac/I.pdf
2016-17	7th April 2017	https://www.aitpune.com/rules/minutes%20of%20iqac/I April2017.pdf
	11th June 2016	https://www.aitpune.com/rules/minutes%20of%20iqac/I pdf
2015-16	31st Oct 2015	https://www.aitpune.com/rules/minutes%20of%20iqac/I PDF

<https://www.aitpune.com/NAACReports.aspx>

File Description	Document	
Paste link for additional information	View Document	

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 (For first cycle - Incremental improvements made

for the preceding five years with regard to quality For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives)

Response:

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 beginning of Research and development cell (R&DE), the E cell to foster Entrepreneurs (E cell), Intellectual Property Right (IPR) cell and Institutional Innovation Cell (IIC) has encouraged R&DE culture and Entrepreneurship. The details in incremental improvement are as follows:

Details	Initial reference year	Final reference year
Placement: Average CTC	5.4 L in 2015-16	9.4 L 2020-21
Number of start ups nurtured through E Cell	00 in 2015-16	06 in 2019-2020
Over all Result	93% in 2015-16	98.8 % in 2019-20
Faculty with Phd	15 in 2015-16	20 in 2019-20
Phd Registered Guide	00 in 2015-16	04 in 2019-20
Branch intake		
E&TC		
COMP	60 in 2015-16	120 in 2019-20
	60 in 2015-16	120 in 2019-20
Sponsored Labs	01 in 2015-16	03 in 2020-21
IIC rating	1.5 stars in 2017-18	4 stars in 2019-20
Workshop conducted on research method and IPR and entrepreneurship	03 in 2015-16	08 in 2019-20
Amount of Project grant	9.19 L in 2015-16	28.6 L 2019-20
Number of Research projects		
Research Papers		
Patents		
Internships		

6.5.3 Quality assurance initiatives of the institution include:

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements
- 2.Collaborative quality initiatives with other institution(s)
- 3.Participation in NIRF
- 4.any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

Response: B. 3 of the above

File Description	Document
Upload e-copies of the accreditations and certifications	View Document
Upload details of Quality assurance initiatives of the institution	View Document https://www.aitpune.com/NAACData/Metric/6.5.3.pdf
Paste web link of Annual reports of Institution	View Document

Criterion 7 - 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 last five years.

Response:

Measures initiated by institution for promotion of gender equality:

Safety and security:-AIT's campus has a strict security checks at entrance for all persons. Students and staff wear Identity card at all times. Institute has installed CCTV Cameras at different locations like at Institute Entrance, corridors of academic block and hostels, Library, Principal's Office and Computer Centre etc. All corridors and laboratories are equipped with fire extinguishers. College has appointed its own security services. Male and Female both security guards have been appointed at institute entrance. Nearby police station contact numbers and toll free help line numbers are displayed on notice boards. Gents are not allowed in girls hostels.

Counseling: - Counsellors provide basic counselling to all batch students. The institute has established Students Counseling System for the overall development of the students through weekly interaction with batch counsellor (faculty). Batch counsellor will take care of 20 students. Students are allocated to a specific batch counsellor for an academic year. Specific issues related to mentee, identified by respective counsellor during counseling are forwarded to professional counselors. Institute has liaison with a professional psychiatrist for psychometric counselling facility. Professional ladies counsellor is appointed at the institute level for addressing issues of staff and students. Internal Complaint Committee (ICC) and grievance committee are constituted to look issues of employees and students. The committees provide guidance and counseling to faculty and students.

Common Room: Girls common room is available in the hostel with essential facilities like first aid box, wash basin, a functional gymnasium, a TV, billiards table etc.

Invited Talks: Invited lady speakers help motivate and inspire girl students and promote gender equity. The sessions during the FE orientation program also address the gender sensitization issues.

Lady representative on various committees: On CDC, there is a post of teaching representative reserved for lady staff member. The girl students are nominated as members of various committees at department, institute levels and the institute encourages their participation in co-curricular and extra-curricular activities.

The institute has a policy of appreciating faculty without gender bias. Women faculty are nominated, based on their ability, as heads of the departments and conveners of various committees and discharging their duties efficiently.

File Description	Document
Link for specific facilities provided for women in terms of: a. Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	View Document

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

1. Solar energy
2. Biogas plant
3. Wheeling to the Grid
4. Sensor-based energy conservation
5. Use of LED bulbs/ power efficient equipment

Response: D. 4 of the above

File Description	Document
Geotagged Photographs	https://www.aitpune.com/NAACData/Metric/7.1.2_METRIC%20LEVEL%20FINAL.pdf
Any other relevant information	View Document https://www.aitpune.com/NAACData/Metric/7.1.2_METRIC%20LEVEL%20FINAL.pdf

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- Solid waste management
- Liquid waste management
- Biomedical waste management
- E-waste management
- Waste recycling system
- Hazardous chemicals and radioactive waste management

Response:

Army Institute of Technology has designed methods for the management of waste generated in the campus using the basic waste management strategy of 3R's: Reduce, Reuse and Recycle i.e., Reduce the amount of waste generated, Reuse everything to its maximum after proper segregation and cleaning and keeping things which can be Recycled aside and handed over to appropriate agencies. The waste generated in the campus include liquid waste and solid waste- both of biodegradable and non-biodegradable nature & chemical waste. No classified hazardous waste is generated in the campus. The environmental policy of the institute is to achieve zero discharge and complete utilization of waste with well-designed strategies to make campus clean, hygienic and healthy.

Solid waste Management

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

Liquid Waste Management

Water recycling or waste water treatment plant of 200 m³ or 2,00,000 liters capacity has been constructed. The principle of the treatment is based on Phytoid technology. The Phytoid Technology treatment is a subsurface flow type in which wastewater is applied to cell/system filled with porous media such as crushed bricks, gravel and stones. It consists of three zones (i) Inlet zone composed of crushed bricks and different sizes of stones (ii) Treatment zone consist of same media as in inlet zone with plant species and (iii) Outlet zone. Daily 150 m³ or 1,50,000 liters recycled water is available. This is being used for landscaping of the institute. Institute also proposes to further use this recycled water for flush systems. This would save 30% of fresh water.

RO plant wastewater is diluted with canteen wastewater and used for gardening, watering trees etc

Waste recycling system

The non-biodegradable solid waste generated in the campus include, paper, plastics, metal cans etc. Use and throw items like plastic cups, plates etc. used in the college canteen are replaced by reusable items steel glasses and plates. Glass, paper, plastic and metal waste is collected in bins. Two sheds have been constructed for collection and segregation of the solid waste. These are then sold to recyclers.

E-waste management

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

File Description	Document
Any other relevant information	View Document
Link for Geotagged photographs of the facilities	View Document

7.1.4 Water conservation facilities available in the Institution:

1. Rain water harvesting
2. Borewell /Open well recharge
3. Construction of tanks and bunds
4. Waste water recycling
5. Maintenance of water bodies and distribution system in the campus

Response: A. Any 4 or all of the above

File Description	Document
Geotagged photographs / videos of the facilities	View Document https://www.aitpune.com/NAACData/Metric/7.1.4.pdf

7.1.5 Green campus initiatives include:

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

Response: B. 3 of the above

File Description	Document
Various policy documents / decisions circulated for implementation	View Document
Geotagged photos / videos of the facilities	https://www.aitpune.com/NAACData/Metric/7_1_5_METRIC%20LEVEL%20FINAL.pdf

7.1.6 Quality audits on environment and energy are regularly undertaken by the Institution and any awards received for such green campus initiatives:

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

Response: all of the above

File Description	Document
Certificates of the awards received	View Document
Link for any other relevant information	https://www.aitpune.com/NAACData/Metric/7_1_6_METRIC%20LEVEL%20FINAL.pdf

7.1.7 The Institution has disabled-friendly, barrier free environment

1. Built environment with ramps/lifts for easy access to classrooms.
2. Divyangjan friendly washrooms
3. Signage including tactile path, lights, display boards and signposts
4. Assistive technology and facilities for 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

Response: C. 2 of the above

File Description	Document
Policy documents and information brochures on the support to be provided	View Document
Geotagged photographs / videos of the facilities	View Document https://www.aitpune.com/NAACData/Metric/7.1.7_METRIC%20LEVEL%20FINAL.pdf

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 500 words).

Response:

Army Institute Technology has always been at the forefront of appreciating diversity and promoting harmony and tolerance. The students at AIT are wards of army personnel and as such importance of tolerance and harmony has been ingrained in them. All the same institute works towards eradicating stereotypes and enhancing self-esteem.

To achieve these objectives, courses like Humanities and Social Sciences, Business Communication, Soft Skills and three weeks Orientation Program are a part of student syllabus.

Teachers deliver lectures with an acceptance and appreciation for different ideas, opinions, and learning styles of the students and make an earnest effort to understand the racial and cultural characteristics of students.

Along with curriculum, additional communication and soft skills classes are conducted for freshers i.e the FE students to make the students from different backgrounds communicate effectively.

AITians follow an Honor Code. The Honor Code is based on personal integrity both as students and as professionals.

Grievance Redressal cell, Internal Complaint Committee, Equal Opportunity Cell for Disabled Student and Staff and Anti Ragging Committee aims at social protection, ensuring tolerance and harmony, reducing vulnerability, empowering women and girls, cultural and regional inclusion.

Industrial visits expose students to the practical challenges and also make the students from different

backgrounds adapt to one another to create a tolerance and harmony in the organization.

During national festivals and other events of the college, Director of the 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 of our institution mitigate the socioeconomic diversities and progress them towards leading to a tolerant and harmonious living. Spiritual club operates from the Sarva Dharam Sthal. Many festivals for e.g. Ganesh Utsava, Navratri and Christmas are celebrated here. During Tuesday prayer meets people from varied backgrounds are invited to address the students.

Cultural club and NSS organizes competitions in street plays, skits and choreography to educate the students and makes them aware of their social responsibilities and understand the implications of their actions.

Students are involved and encouraged to participate in various co-curricular and extracurricular activities to make them mingle with one another and share their opinions and solve their differences in a harmonious manner. This is specially seen during the inter branch event Aakriti.

The institute provides merit cum means scholarships as financial support and conducts aptitude and general knowledge classes for the interested students to help them for competitive exams.

File Description	Document
Link for supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View Document

7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

Response:

India is a vast country with many languages, subcultures, religions and ethnic diversities governed and guided by the Constitution irrespective of caste, religion, race sex.

Army Institute of Technology sensitizes the students of the institution to the constitutional obligations about values, rights, duties and responsibilities of citizens. The staff is encouraged to behave like role models for these impressionable students. The students study courses like Humanities and Social Sciences which impresses the value system in them.

AIT follows an honor code. It is implemented by peer pressure and instills the qualities of a good citizen.

The mission of the institute is to " Provide the right environment, to the wards of Defense personnel, for development of physical, intellectual, emotional and spiritual quotients, with a view to produce total quality engineers. ". These elements are inculcated in the value system of the college community.

The institute hoists the flag during national festivals. Director of the institute addresses students and staff to emphasize the duties and responsibilities of citizens.

The students are given the responsibilities for conducting various intra and inter college events, under the guidance of faculty. This provides the students with an opportunity to understand the duties and carry out

the responsibilities, training them to become good citizens.

The college establishes policies that reflect core values. Code of conduct is prepared for students and staff and every one should obey the conduct rules.

The college curriculum is framed with mandatory courses like Professional ethics 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 are arranged by eminent personalities to deliver lectures on ethics, values, duties and responsibilities and on saving environment.

The institute organized awareness program on "Traffic rules and regulations". Our students with the permission of local police, organize traffic rule awareness drives.

Ethical Values, rights, duties and responsibilities of citizens are some of the topics that are enlisted in Elocution, Debates or in Communication lab activities.

NSS activities of our institution has the affinity for Philanthropic initiatives which include donation of time or resources to government, charities and organizations at local, national levels to help victims during natural disasters.

The institute conducted awareness programs and rallies on ban on plastics, cleanliness, Swachh Bharat etc. involving students.

During Orientation program, well known person speak about the duties and responsibilities of citizens and consequences of ragging.

File Description	Document
Link for details of activities that inculcate values necessary to render students in to responsible citizens	View Document

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.

- 1.The Code of Conduct is displayed on the website**
- 2. There is a committee to monitor adherence to the Code of Conduct**
- 3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
- 4. Annual awareness programmes on Code of Conduct are organized**

Response: C. 2 of the above

File Description	Document
Code of ethics policy document	View Document

7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

Response:

The institute aims to inculcate values and nationalism in the students by celebrating the national festivals and birth anniversaries of great Indian personalities in the college campus every year. The celebrations include flag-hoisting, Project Exhibitions, Poster Presentations, Essay Writing, and Elocution. Eminent personalities are invited to motivate staff and students.

Independence day:

An inspiring movie is shown on the eve of independence day, i.e. 14th Aug. This is followed by a candle light peace march, within our campus. Both staff and students participate in the event. Slogans are shouted and national anthem sung. Generally, an emotional patriotic atmosphere is created on the eve of independence day.

On Independence day sweets are distributed by NSS volunteers to all the participants of the Independence day. This is followed by a visit to some nearby Municipal School/orphanage/slum areas etc. NSS volunteers carry sweets for the inmates and interact with them.

Republic Day

On republic day sweets were distributed by NSS volunteers to all the participants of the Independence day. This is followed by a visit to some nearby Municipal School/orphanage/slum areas etc. NSS volunteers carry sweets for the inmates and interact with them.

Teachers Day:

The Institution celebrates Teacher's Day **05 Sept** commemorating the birthday of Dr. Sarvepalli Radha Krishnan, a great teacher. On this day the Students felicitate their teachers and arrange a cultural program for them.

International Yoga Day:

International Yoga day is celebrated on 21st June every year in the campus. The sessions include orientation on Yoga, its mental and physical benefits and actual performance of some yoga asanas.

Hindi Divas:

Hindi Divas was celebrated on **14th Aug** by students and staff members by giving speeches, reading and singing poems written by them and others.

National Girl Child day:

National girl child day on 24 Jan was celebrated along with Shramdan India, as a day for cleaning.

World Pedestrian day/Gandhi Jayanti:

Our students take out a rally in Vishrantwadi after taking permission from the local police station. People

are made aware about following the traffic rules, wearing helmets etc. The guidance for this event was given by the NGO Global Shapers.

AIT Day:

AIT foundation day on 24 Feb is celebrated with pomp and glory. Senior officers of Indian army, Academia, Industry, our alumni, students and staff members participate in this event. Life time achievement awards are given to distinguished personalities as also various achievements awards to our students.

Festival

AIT is mainly a residential institute with most of the students and some of staff members residing on campus. Celebrations of festivals is thus a high point of the college life.

Festivals like Janamasthami, Shivratri are celebrated at Sarva Dharma Sthal and a langar is organized. The students enthusiastically organize the event and help with seating, serving and cleaning.

Lodhi is celebrated with a bonfire.

Dassera is celebrated with the crackers and Ravana dahan, where students celebrate victory of good over evil.

Christmas is celebrated with merriment, where students cut and share a cake.

File Description	Document
Link for Annual report of the celebrations and commemorative events for the last five years	View Document

7.2 Best Practices

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

Response:

Amongst many best practices, the institute is submitting the following two best practices for assessment:

BEST PRACTICE-1

Title:

Vibrant Clubs at Army Institute of Technology

Objectives:

1. Building leadership skills and team spirit
2. Improve their networking
3. Help in community outreach
4. All round development
5. Peer learning
6. Increase employability

The Context:

Students at AIT are wards of army personnel, who join AIT after clearing the JEE exam. Though all the students come from army background, the opportunities that they get are different. Also some of the students come from rural environment and some do not have the required soft skills and lack confidence. AIT gives considerable importance to the overall personality development of its students as exemplified in our vision statement. To help develop management and organizational skills in students while at the same time inculcating the responsibilities of a good citizen in them, the Institute offers a large number of vibrant clubs to the students. Students are encouraged to be members of these clubs.

The Practice:

The Institution motivates the students to get actively involved in the extracurricular and co-curricular activities and extension activities. College has various clubs by which different intra college & intercollegiate activities are conducted. Each club has a faculty in charge to guide the students.

Student secretaries a girl and a boy, from Third Year, are selected via interview for all the clubs. These secretaries in consultation with the staff in charges propose budget and activities for each year. These activities are also marked in the academic calendar. The students are also helped by a team of joint secretaries who are selected from amongst Second Year students. They in turn are backed by a team of volunteers from all years.

Activities supported:

Table below list the various clubs and their major activities conducted.

S.No.	Clubs/Responsibilities	Activities
1	Technical Board	1]Tech-Aakriti (Intra college) 2]Tech solutions(Inter college) 3]Participation by students in technical events of other colleges.
2	Cultural and Music Board	1]Aakriti (Intra college) 2]Amethyst (Inter college) 3]Battle of Bands (Inter college)4]Healing by music 5]Participation by students in events of other colleges.
3	Sports Club	1]PACE (Intercollege sports event) 2]Aakriti Sports(Intra college) 3]Participation by students in events of other colleges and university.
4	NSS Club	1]Blood donation camp 2]Orphanage visit 3]Old age home visit 4]Collection of funds for donation to NGOs 5]Independence day celebration 6]Republic day celebration 7]Cleanliness drives 8] Tree plantation 9] A week long NSS camp
5	Spiritual Club	1]Yoga day 2]Mahashivratri festival 3] Krishna Janmashtami celebration 4]Spiritual Guest lectures 5] Ganesh Utsava 6] Christmas celebrations
6	Magazine	1]Photography competition 2]Magazine board notice board3]E Magazine 4]News letters 5]SRIJNA 6] Intercollege Slam poetry competition

7	Open Source Software Club	1] OSS Club WordPress Blog 2] Web Portal for AIT incubation center 3] Collaborative projects based upon Open source technologies 4] Guest lectures
8	Robotics Club	1] Participation in ROBOCON 2] Various robotics competitions 3] Robotics workshops
9	Maths Club	1] Ramanujan Quiz 2] Visit to Mathematical Institutes 3] Discussion sessions 4] Guest Lectures
10	Debating Club and Quiz	1] Hindi debate in Pre Aakriti and Aakriti 2] English debate in Pre Aakriti and Aakriti 3] Intra college events for first year students 4] Participation by students in events of other colleges.
11	SAE AIT Collegiate Club	Students and faculty members undertake inter-disciplinary research work targeted at national level competitions like Supra-SAE
12	Fine Arts Club	1] Sessions during FE orientation program 2] Yearly art exhibition 3] Guest lectures and guidance
13	PR Cell	1] Publicity of various inter college events in local colleges. 2] Getting sponsorship for various events.
14	Nature Club	1] Nature Walk 2] Herbal plantation 3] Trek 4] Bird Watching

15	Radio Club	1] Broadcasts program popular with students 2] Music competitions 3] Technical competitions
16	Info Sec & Digi Forensic Club	1] Three days' workshop on Information Security and Digital Forensic 2] AICTE Sponsored online STTP on Information Security and Digital Forensics in four phases spanning from Nov 2020 to Feb 2021 3] Logo Making Competition 4] Seminar
17	Cycling Club	1] Cycle expeditions to nearby places like forts and picnic spots 2] Long expeditions like cycling to Goa and Shirdi
18	Competitive Coding Club	1] Imparting coding skills 2] Coding competitions 3] Designing website
19	Electric Vehicle Cell	1] Design electric vehicles 2] Design batteries for electric vehicle 3] Modifying two wheelers to battery driven

Evidence of Success:

1. Students are able to successfully conduct the inter branch events like Aakriti (cultural, sports and technical). Their management and leadership skills improve as they overcome adversities to conduct various events.
2. Organizing Inter collegiate events like Pace, Solution and Amethyst increases the confidence of students and their network.
3. Being a part of NSS and Spiritual club helps the students realise their social responsibilities and help them become citizens.
4. Clubs like Baha, Robotics and OSS helps the students become technically sound and gives them an opportunity to work on inter Disciplinary projects.
5. Sports club, Nature and cycling club improve the endurance of the students.
6. Clubs like Debating and quiz club, the Magazine Board improve the soft skills of the students and help is all round development.
7. Mentoring of juniors by seniors has resulted in close bonding between the students. This develops team spirit and leadership qualities. Also the alumni persuade their employers to visit AIT for placement drives.
8. Biggest evidence of the success is not only the increasing placements of our students but also their increasing CTC from 5.4 Lakh in 2016-17 to 9.4 Lakh in 2020-21. Globally established MNC like

Amazon and Microsoft are recruiting AIT students to a large extent.
9. The club activities have also helped in nurturing Entrepreneurs.

Problems Encountered/ Resources Required:

Resources required:

1. Budgetary provision made for each club.
2. Besides the budgetary provision, the resource are students, who enthusiastically conduct various activities.

Problems encountered:

1. The students are passionate about ensuring that their branch wins. So sometimes a difference of opinion arises. To get over this problem the judging panel for each event has a staff member from every department. This has also increased the teacher student interaction and bonding.
2. AIT is remotely located. Getting outside students to participate in inter collegiate events, Solution (technical), Amethyst (cultural) and Pace (Sports) used to be a challenge. A PR team was formed, which publicizes events in other colleges. Similarly, transport is provided to AIT students to participate in inter collegiate events held in other colleges.
3. Since the College has to follow the examination time tables of the affiliating university, there is no scope for flexibility from examination schedule. Consideration cannot be provided even for the internal assessment examinations.
4. Due consideration in respect of attendance is given for the students participating in important events outside the college.
5. Transport is arranged for the students to represent team of our college in various competitions. They are given additional support and facilitated by the teachers even in odd hours. Extra classes are conducted to cover up the syllabus.

BEST PRACTICE-2

Title:

Ecell and Startups

Objectives:

The purpose of entrepreneurship cell is four-fold, namely,

1. To bring out entrepreneurial flair in students.
2. To make students understand entrepreneurial attitude and entrepreneurial skills.
3. To provide them with a platform which gives them number of innovative opportunities to develop the entrepreneur in them.
4. To generate successful commercial enterprise contributing towards significant job creations.

The Contest:

India is a land of youngsters. With more than 50% of the country's population below 25, in the era of an exponential technological growth, it becomes a perfect time for the youngsters to innovate, improvise and bring new advance products and services to public and help the economic growth of the country, being their own boss.

The Practice:

A budding entrepreneur needs answers to the thousands of questions he/she would have. They need to know procedures and legalities of setting up an organization.

The Entrepreneurship cell (**E-Cell**) of AIT aims to ignite this spirit of entrepreneurship and encourage students to think creatively and help them identify and solve problems of the society by organising various events, lectures, seminars, workshops, webinars, entrepreneurship summits, etc. It provides multiple platforms to budding entrepreneurs where they can improve upon their business models and groom their entrepreneurship skills. E-Cell can nurture and guide the start-ups and act like a bridge between budding entrepreneurs and the investors and mentors.

The Activities Supported:

1. Inspirational talk shows of eminent speakers who have done something big in their lives starting from scratch, who deliver vibrant speeches to young minds of the college.
2. Team competitions like logo design, ad making, EPL manager and many more.
3. A series of webinars all along the year featuring successful entrepreneurs.
4. Various workshops are held along the year which encourage students to adopt an innovative and problem solving mindset.
5. StartUp Saga: The annual program comprising of orientation sessions/workshops, idea pitching and discussion, Business models, Problem statement and solution, talk shows and of course prizes.
6. Visits to various incubation centers in and around Pune like Vigyan ashram, Venture Center, Bhau Patil Institute amongst others.

Evidence of Success:**Some of the Successful startups include:**

Sr. No.	Name of the start up	Name of Student	Status
1	Cheqit	Naman Agarwal, (BE Comp)Raj Kumar (BE Comp) Ritesh Kumar (BE Comp) Amit Singh (BE IT)	https://cheqit.co.in/
2	Xefficient	Pitambar Panda (TE Mech)	https://www.zaubacorp.com/company/XE

		Priyanshu Dayal (TE Mech) Vishal Singh (TE Mech)	PRIVATE-LIMITED/U29308PN2021P (Don't have their own website) winners at KPIT Sparkle Innovation -Finalist in National innovation Cont.
3	Elktrun	Sahil. S. Uttekar (TE Mech) Madhusudan Bhosale (SE Mech)	No website -Cost effective retrofitted escooters - Being Incubated by Udchalo -Sold 5 retrofitted Scooters -Finalist in National innovation Cont.
4	Mome ntum Rob otics	Deepak Kr (BE E&TC) Bharat Prasad Dixit (BE E&TC) Pankaj Yadav (BE E&TC)	https://momentumrobotics.in/
5	myAImate	Manish Shakya (BE E&TC) Rutvik N (SE comp), Mohit Kumar(BE Comp)	https://www.myaimate.com/
6	Greenosapian	Co Founders - Saurabh Singh (BE E&Tc) Ameet Rana (BE Comp)	https://greenosapian.com/ (It is sold now)

Problems Encountered/ Resources Required:

Resources required:

1. We have free incubation center, which include 3D PLM lab, EV lab, Robotics lab etc. which are made available to interested students.
2. Alumni as a contact point to industry for sponsorship, projects and mentoring.

Problems encountered:

1. Lack of government funding. To make more funds available, our E cell actively solicits sponsorship and

funding from industry. Alumni have also come forward to support the budding entrepreneurs. College is funding basic research and IPR filing.

2. PG is not well established. Plans are underway to begin a PG in Data Science and AI in computer engineering department.

3. We do not have R&DE center. A plan is underway to start research centers in fields of AI, ML, Robotics, IOT and Cyber Security in the coming 5 years.

File Description	Document
Link for any other relevant information	View Document
Link for Best practices in the Institutional web site	View Document

7.1 Institutional Distinctiveness

7.1.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

Students at AIT come from army background. 85% of these students are wards of junior commissioned and non commissioned officers who have limited resources to educate their wards. The priority of these students is to stand on their own feet and meet the aspirations of their parents. To fulfill this ambition of our students, besides the academic department, college has Training and Placement Cell which runs as a special department with the vision:

To enhance the branding and employability of AIT students by imparting necessary knowledge and skills through the best training initiatives to meet the expectations of all types of Industries , with necessary interaction with the industry and alumni.

It occupies the top floor of Aryabhata building and houses T&P office, seminar and discussion rooms and an auditorium.

Actions taken by T&P Cell in last few years:

- 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

Placement Highlights

- ♦ Consistent 90% campus placements.
- ♦ Average salary of Rs 9.33 LPA
- ♦ Highest Salary of Rs 39.00 LPA
- ♦ Total No of industries visiting every year – 75.
- ♦ Total No of new industries visiting every year – 20.
- ♦ Pre-placement Offers through internship in World Class organisations. More than 50% students of 2021-22 batch have been offered internship of 2 months.

Besides the Training and Placement Officer and his Secretariat, the Placement team consists of a faculty representative from each department.

To increase the employability of students some other measures taken are:

1. **Soft Skills:** Special attention is given to soft skill training of students. Right from FE students are identified and coached in the same. This includes both the verbal and nonverbal communication. This also adds to their confidence.
2. **Clubs:** Students are encouraged to be part of various clubs in the college. Through the clubs students get exposed to experiential learning as well as life skill development. The students become more confident and better managers with good leadership and problem solving skills and at the same time they learn to be team players. The club activities have also helped in nurturing Entrepreneurs.
3. **Project:** Students are encouraged to complete project right from their first year when they opt for project based learning course. In SE and TE students work on mini projects while in BE they do a project which spans over a year. 60% of projects at AIT are sponsored projects.
4. **Value added courses:** Each department conducts value added courses to fill the gaps in syllabus and to make the students industry ready.
5. **Internship:** Students are encouraged to complete internships to give them hands on experience. Some of the students are absorbed by the companies where they do their internship.
6. **Alumni:** Active alumni is a strong point of AIT. Over the years a very positive culture of senior students and alumni mentoring and guiding the juniors has developed. They are involved in E Cell in guiding and fostering the startups by their juniors. They are a part of FE orientation from day one. Some of the Alumni also provide for scholarship-Hashmap, Udchalo and many more. Many of them act as resource person for skill development. The alumni actively interact with their HR to get maximum AIT students. Alumni entrepreneurs recruit many AIT students as intern.
7. **E cell** fosters and nurtures student startups up to the point of their realization.

With all these initiatives, we at AIT produce quality engineers with a difference, which are sought after by industry, as can be seen from the table below.

Overall Placements					
Year of Course Completion	Number Registered	Number Placed		Highest Salary	Average Salary
		No	%		
2015-16	291	278	96	Rs 32.50 lakh	Rs 5.10 lakh
2016-17	279	258	93	Rs 24.00 lakh	Rs 5.40 lakh
2017-18	283	262	93	Rs 39.00 lakh	Rs 5.90 lakh
2018-19	272	245	90	Rs 39.00 lakh	Rs 7.15 lakh
2019-20	342	313	92	Rs 39.00 lakh	Rs 7.30 lakh
2020-21	287	259	90	Rs 39.00 lakh	Rs 9.45 lakh

Some of our students also join defense forces. SSB coaching is provided to such students. The GTO training course is also available for such students, where they can train under the supervision of the Sports Director.

A few of our students go for higher studies. Guidance is provided to such students. Since AIT is a residential college, transport is provided to students to attend classes/training, outside the campus.

In all, Institution has been successful in giving priority to placement as its thrust area. The successful career of the students, the name and fame of the institute, public opinion and the popularity of the college are testimonies for the distinctiveness of the Institute.

File Description	Document
Link for appropriate web in the Institutional website	View Document
Link for any other relevant information	View Document

5. CONCLUSION

Additional Information:

AIT is only for the wards of army personnel. The admission to this institute is purely on the basis of JEE exam.

Personality development of students is primarily driven by peer pressure. For this purpose, student council members, various club secretaries, student representatives in various committees along with branch heads and class representatives are consulted on all major decisions and for routine functions. The practice of honor code develops a sense of self-discipline and ethical behavior which helps in character formation. Club secretaries are expected to organize various college events in a professional manner, including liaison with industry for sponsorships and managing their budgets. This develops a sense of responsibility, initiative and team building skills which are very essential elements required in the corporate world.

There is a mentor scheme where 4 to 5 students are placed under a student mentor of next senior batch. The mentors are carefully selected based on recommendation of their counselor. The mentors help the students. A track record is maintained in Counseling file, for each student by the faculty batch counselor.

Since AIT is run by AWES, students are encouraged to prepare for their SSB interviews. Besides the SSB interview coaching, there is a GTO training course for our students and the families of staff members, supervised by the physical training director.

Concluding Remarks:

AIT has completed 27 years as a premier technical institute, for the benefit of wards of army personnel. It is affiliated to SPPU and approved by AICTE and its UG program has also been approved by NBA. Institute takes pride in its very high ranking amongst private engineering colleges, in country: NIRF 109, Data Quest 14, Outlook 53, The Week 50 and India Today 63.

Students enjoy excellent placement which are amongst best in Pune. Average CTC has been increased every year and is likely to be 9.45 Lakh for 20-21.

Institutional strengths include excellent students, dedicated and enthusiastic faculty, residential premises, emphasis in providing facilities in experiential learning and very active peer leaning culture driven by vibrant clubs.

Institution has excellent laboratories, sports facilities, library and infrastructure for all round development.

The institute is planning to grow vertically and horizontally as well as make efforts to grow globally.

Recognized technical institute befitting its motto onwards to glory.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification
1.3.3	<p>Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)</p> <p>1.3.3.1. Number of students undertaking project work/field work / internships Answer before DVV Verification : 1313 Answer after DVV Verification: 657</p> <p>Remark : As per the curriculum only IV semester and VIII semester having project. Hence data may be the 2nd year and final year students strength input edited accordingly.</p>
1.4.1	<p><i>Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders</i></p> <p>1) Students</p> <p>2)Teachers</p> <p>3)Employers</p> <p>4)Alumni</p> <p>Answer before DVV Verification : A. All of the above Answer After DVV Verification: C. Any 2 of the above</p> <p>Remark : HEI input is edited, As per supporting documents the feedback by Teachers and employers are on syllabus.</p>
1.4.2	<p>Feedback process of the Institution may be classified as follows:</p> <p>Options:</p> <ol style="list-style-type: none"> 1. Feedback collected, analysed and action taken and feedback available on website 2. Feedback collected, analysed and action has been taken 3. Feedback collected and analysed 4. Feedback collected 5. Feedback not collected <p>Answer before DVV Verification : A. Feedback collected, analysed and action taken and feedback available on website Answer After DVV Verification: B. Feedback collected, analysed and action has been taken Remark : HEI input is edited as per given data.</p>
2.3.3	<p>Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)</p>

2.3.3.1. Number of mentors

Answer before DVV Verification : 100

Answer after DVV Verification: 65

Remark : HEI input is edited, Number of mentors cannot be more than the number of faculties in the college. edited according to extended metric 3.1

2.4.2 **Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)**

2.4.2.1. **Number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. year wise during the last five years**

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
20	20	19	16	15

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
17	20	19	16	15

Remark : HEI input is edited as per given data, excluded provisional certificates.

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

2.4.3.1. **Total experience of full-time teachers**

Answer before DVV Verification : 985

Answer after DVV Verification: 967

3.1.1 **Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the last five years (INR in Lakhs)**

3.1.1.1. **Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)**

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
28.62	18.20	1.83	21.6	9.19

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
10	5.2	1.83	21.6	7.59

Remark : HEI input is edited as per given data, excluded grants from AICTE under MODROB and exclude grants received beyond the assessment period.

3.1.2	<p>Percentage of teachers recognized as research guides (latest completed academic year)</p> <p>3.1.2.1. Number of teachers recognized as research guides Answer before DVV Verification : 05 Answer after DVV Verification: 04</p> <p>Remark : HEI input is edited as per give data.</p>																				
3.2.2	<p>Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years</p> <p>3.2.2.1. Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year-wise during last five years Answer before DVV Verification:</p> <table><tr><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td></tr><tr><td>04</td><td>08</td><td>03</td><td>03</td><td>03</td></tr></table> <p>Answer After DVV Verification :</p> <table><tr><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td></tr><tr><td>02</td><td>4</td><td>2</td><td>2</td><td>2</td></tr></table> <p>Remark : HEI input is edited as per given data, excluded programmes such as Workshop on Recent Trends And Technologies, Opportunities in higher studies abroad, Design Thinking, International Technical championship & workshop series : Mobile making, Career Opportunities in Product Based MNC</p>	2019-20	2018-19	2017-18	2016-17	2015-16	04	08	03	03	03	2019-20	2018-19	2017-18	2016-17	2015-16	02	4	2	2	2
2019-20	2018-19	2017-18	2016-17	2015-16																	
04	08	03	03	03																	
2019-20	2018-19	2017-18	2016-17	2015-16																	
02	4	2	2	2																	
3.3.1	<p>Number of Ph.Ds registered per eligible teacher during the last five years</p> <p>3.3.1.1. How many Ph.Ds registered per eligible teacher within last five years Answer before DVV Verification : 40 Answer after DVV Verification: 0</p> <p>3.3.1.2. Number of teachers recognized as guides during the last five years Answer before DVV Verification : 04 Answer after DVV Verification: 0</p> <p>Remark : HEI input is edited as per given supporting document.HEI has not been recognised as a research centre by the affiliated University, hence they cannot admit students for Ph. D programme.</p>																				
3.3.2	<p>Number of research papers per teachers in the Journals notified on UGC website during the last five years</p> <p>3.3.2.1. Number of research papers in the Journals notified on UGC website during the last five years.</p>																				

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
55	31	12	18	67

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
36	24	07	08	40

Remark : HEI input is edited as per given data, HEI has not provided UGC CARE link for all the publications.

3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

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 last five years

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
27	23	16	15	14

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
16	12	08	07	08

Remark : HEI input is edited, Journals publication with ISSN number not to be considered in this metrics. Publication beyond assessment period not considered.

3.4.2 Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years

3.4.2.1. Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
1	2	2	1	1

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
1	2	2	0	0

Remark : HEI input is edited, certificate / appreciation letter to the institutions or to individual students cannot be considered.

3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years

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

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
32	10	20	20	17

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
23	4	8	8	9

Remark : HEI input is edited, excluded activities such as Visits, teaching , games etc, International YOGA Day celebration, Voter's awareness drive etc.,

3.4.4 Average percentage of students participating in extension activities at 3.4.3. above during last five years

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 last five years

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
515	510	477	500	450

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
356	214	310	325	312

Remark : HEI input is edited as per metric 3.4.3

3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year

3.5.1.1. Number of Collaborative activities for research, Faculty exchange, Student

exchange/ internship year-wise during the last five years

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
151	110	169	119	130

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
98	75	68	63	71

Remark : HEI input is edited, multiple students taking internship in one collaboration to be taken as one activity. Individual students cannot be considered as separate activities.

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

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
02	07	04	02	05

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
01	04	03	01	03

Remark : HEI input is edited, MOUs already considered in 3.5.1 is excluded.

4.1.3 Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. (Data for the latest completed academic year)
4.1.3.1. Number of classrooms and seminar halls with ICT facilities

Answer before DVV Verification : 19

Answer after DVV Verification: 18

Remark : HEI input is edited as per given data. only class rom and seminar hall considered here.

4.1.4 Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)
4.1.4.1. Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
2063.62	1887.93	1747.5	1772.56	1497

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
1	1	1	1	1

Remark : HEI input is edited, This expenditure is not reflected in Audited Income and Expenditure Statement, hence considered. Consolidated statement value on infrastructure augmentation does not tally with the data given by HEI.

4.2.2

The institution has subscription for the following e-resources

1. e-journals
2. e-ShodhSindhu
3. Shodhganga Membership
4. e-books
5. Databases
6. Remote access to e-resources

Answer before DVV Verification : A. Any 4 or more of the above

Answer After DVV Verification: E. None of the above

Remark : HEI input is edited, Link provided in supporting documents does not open.

4.2.3

Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

4.2.3.1. Annual expenditure of purchase of books/e-books and subscription to journals/e-journals year wise during last five years (INR in Lakhs)

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
31.61	30.92	31.69	33.72	28.75

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
1	1	1	1	1

Remark : HEI input is edited , this expenditure is not reflected in Audited Income and Expenditure statement. HEI is given different Audited Statement in different metrics. The library learning resources is not considered as purchase of books and journals.

4.3.3

Bandwidth of internet connection in the Institution

Answer before DVV Verification : A. 250 MBPS
 Answer After DVV Verification: A. 250 MBPS
 Remark : HEI input is edited as per given supporting document.

4.4.1 Average percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years(INR in Lakhs)

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

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
2265.47	2087.86	1984.13	1705.52	1631.65

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
502.61	703.38	533.93	600.59	466.28

Remark : HEI input is edited, Expenditure is not reflected in Audited Income and Expenditure Statement. given data is edited As per the consolidated statement.

5.1.2 Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years

5.1.2.1. Number of students benefitted by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
207	521	479	454	433

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
1	1	1	1	1

Remark : HEI input is edited, HEI has not given proper supporting documents for instituting the awards by different agencies / companies. Only list is given and also not reflected in Audited Income and Expenditure statement.

5.1.3 Capacity building and skills enhancement initiatives taken by the institution include the following

- 1. Soft skills**
- 2. Language and communication skills**
- 3. Life skills (Yoga, physical fitness, health and hygiene)**
- 4. ICT/computing skills**

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: C. 2 of the above

Remark : HEI input is edited as per given data. option 2 and 4 is available

5.1.4 Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years

5.1.4.1. Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
1313	1282	1282	1282	1231

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
416	348	57	46	60

Remark : HEI input is edited, excluded activities such as Importance of higher Education (Mech) (Made Easy), Career Counselling (Capgemini) etc.

5.1.5 The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

- 1. Implementation of guidelines of statutory/regulatory bodies**
- 2. Organisation wide awareness and undertakings on policies with zero tolerance**
- 3. Mechanisms for submission of online/offline students' grievances**
- 4. Timely redressal of the grievances through appropriate committees**

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: B. 3 of the above

Remark : HEI input is edited as per given supporting documents. only Sl.No. 1, 3 & 4 is available.

5.2.3 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)

5.2.3.1. Number of students qualifying in state/ national/ international level examinations

(eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations, etc.)) year-wise during last five years

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
16	29	29	36	25

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
17	30	30	37	25

5.2.3.2. Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year-wise during last five years

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
97	88	81	77	75

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
97	88	81	77	75

Remark : HEI input is edited according to given data, excluded examination conducted by Private University / Institute

5.3.1 Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national / international level (award for a team event should be counted as one) during the last five years.

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) year-wise during the last five years.

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
6	5	5	5	3

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
0	4	0	0	0

Remark : HEI input is edited, As per data template only data of 2018-19 is given as 4 out of which west zone Basket ball cannot be considered, no data for other years.

5.4.2	<p>Alumni contribution during the last five years (INR in lakhs)</p> <p>Answer before DVV Verification : D. 1 Lakhs - 3 Lakhs Answer After DVV Verification: E. <1 Lakhs Remark : HEI input is edited, As per the Audited statement the alumni fund cannot be considered as contribution from alumni to HEI</p>																				
6.2.3	<p>Implementation of e-governance in areas of operation</p> <p>1. Administration 2. Finance and Accounts 3. Student Admission and Support 4. Examination</p> <p>Answer before DVV Verification : A. All of the above Answer After DVV Verification: B. 3 of the above Remark : HEI input is edited as per supporting documents. Sl.No. 2, 3 & 4 is available.</p>																				
6.3.3	<p>Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years</p> <p>6.3.3.1. Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table><tr><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td></tr><tr><td>09</td><td>04</td><td>10</td><td>13</td><td>06</td></tr></table> <p>Answer After DVV Verification :</p> <table><tr><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td></tr><tr><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr></table> <p>Remark : HEI input is edited, The supporting documents given for DVV clarification has not match with that of data templates. The supporting documents look to be students training, which is not considered.</p>	2019-20	2018-19	2017-18	2016-17	2015-16	09	04	10	13	06	2019-20	2018-19	2017-18	2016-17	2015-16	0	0	0	0	0
2019-20	2018-19	2017-18	2016-17	2015-16																	
09	04	10	13	06																	
2019-20	2018-19	2017-18	2016-17	2015-16																	
0	0	0	0	0																	
6.3.4	<p>Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).</p> <p>6.3.4.1. Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years</p>																				

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
77	80	86	65	74

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
26	22	24	31	30

Remark : HEI input is edited, as per data template most of the programme less than one week (5days), excluded all such training programmes. Same teacher attending multiple FDPs in a year counted as one.

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

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

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
56.30	20.00	107.00	28.30	44.00

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	0	0

Remark : HEI input is edited, as per supporting documents the funds received from Army Welfare Education Society, which looks to be Education society of the HEI, which is not considered.

6.5.3 Quality assurance initiatives of the institution include:

- 1. Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements**
- 2. Collaborative quality initiatives with other institution(s)**
- 3. Participation in NIRF**
- 4. any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: B. 3 of the above

Remark : HEI input is edited as per given data. only sl.no 1,3 and 4 is available.

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

- 1. Solar energy**

	<p>2. Biogas plant</p> <p>3. Wheeling to the Grid</p> <p>4. Sensor-based energy conservation</p> <p>5. Use of LED bulbs/ power efficient equipment</p> <p>Answer before DVV Verification : A. 4 or All of the above</p> <p>Answer After DVV Verification: D. 1 of the above</p>
7.1.4	<p>Water conservation facilities available in the Institution:</p> <p>1. Rain water harvesting</p> <p>2. Borewell /Open well recharge</p> <p>3. Construction of tanks and bunds</p> <p>4. Waste water recycling</p> <p>5. Maintenance of water bodies and distribution system in the campus</p> <p>Answer before DVV Verification : A. Any 4 or all of the above</p> <p>Answer After DVV Verification: A. Any 4 or all of the above</p> <p>Remark : HEI input is edited as per given supporting document.</p>
7.1.5	<p>Green campus initiatives include:</p> <p>1. Restricted entry of automobiles</p> <p>2. Use of Bicycles/ Battery powered vehicles</p> <p>3. Pedestrian Friendly pathways</p> <p>4. Ban on use of Plastic</p> <p>5. landscaping with trees and plants</p> <p>Answer before DVV Verification : A. Any 4 or All of the above</p> <p>Answer After DVV Verification: B. 3 of the above</p> <p>Remark : HEI input is edited as per given supporting document.</p>
7.1.7	<p>The Institution has disabled-friendly, barrier free environment</p> <p>1. Built environment with ramps/lifts for easy access to classrooms.</p> <p>2. Divyangjan friendly washrooms</p> <p>3. Signage including tactile path, lights, display boards and signposts</p> <p>4. Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment</p> <p>5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading</p> <p>Answer before DVV Verification : B. 3 of the above</p> <p>Answer After DVV Verification: C. 2 of the above</p>

2.Extended Profile Deviations

ID	Extended Questions
1.1	Number of courses offered by the Institution across all programs during the last five years

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
218	218	216	212	209

Answer After DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
272	272	265	262	245

2.1 Number of students year-wise during last five years

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
1313	1282	1282	1282	1231

Answer After DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
1313	1282	1282	1282	1231

2.3 Number of outgoing / final year students year-wise during last five years

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
358	293	280	304	295

Answer After DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
362	307	300	318	316

3.1 Number of full time teachers year-wise during the last five years

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
77	80	86	88	88

Answer After DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
65	63	84	85	81

3.2	Number of sanctioned posts year-wise during last five years Answer before DVV Verification: <table><tr><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td></tr><tr><td>65</td><td>63</td><td>84</td><td>85</td><td>81</td></tr></table> Answer After DVV Verification: <table><tr><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td></tr><tr><td>65</td><td>63</td><td>84</td><td>85</td><td>80</td></tr></table>	2019-20	2018-19	2017-18	2016-17	2015-16	65	63	84	85	81	2019-20	2018-19	2017-18	2016-17	2015-16	65	63	84	85	80
2019-20	2018-19	2017-18	2016-17	2015-16																	
65	63	84	85	81																	
2019-20	2018-19	2017-18	2016-17	2015-16																	
65	63	84	85	80																	
4.1	Total number of classrooms and seminar halls Answer before DVV Verification : 24 Answer after DVV Verification : 19																				
4.2	Total Expenditure excluding salary year-wise during last five years (INR in Lakhs) Answer before DVV Verification: <table><tr><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td></tr><tr><td>597.99</td><td>528.022</td><td>387.426</td><td>447.66</td><td>316.61</td></tr></table> Answer After DVV Verification: <table><tr><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td></tr><tr><td>294.92</td><td>278.62</td><td>248.72</td><td>432.92</td><td>110.83</td></tr></table>	2019-20	2018-19	2017-18	2016-17	2015-16	597.99	528.022	387.426	447.66	316.61	2019-20	2018-19	2017-18	2016-17	2015-16	294.92	278.62	248.72	432.92	110.83
2019-20	2018-19	2017-18	2016-17	2015-16																	
597.99	528.022	387.426	447.66	316.61																	
2019-20	2018-19	2017-18	2016-17	2015-16																	
294.92	278.62	248.72	432.92	110.83																	
4.3	Number of Computers Answer before DVV Verification : 731 Answer after DVV Verification : 720																				