Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**ARMY INSTITUTE OF TECHNOLOGY, DIGHI, PUNE**
Name of the head of the Institution	**Brig. Abhay A Bhat (Retd.)**
Designation	**Director**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**02027157534**
Mobile no.	**9967032089**
Registered Email	**naac_coord@aitpune.edu.in**
Alternate Email	**ait@aitpune.edu.in**
Address	**Alandi Road, Dighi,**
City/Town	**Pune**
State/UT	**Maharashtra**
Pincode	**411015**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Dr Sujata Marathe**
Phone no/Alternate Phone no.	**02027157534**
Mobile no.	**9921445544**
Registered Email	**naac_coord@aitpune.edu.in**
Alternate Email	**sujatamarathe@aitpune.edu.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://aitpune.com/Documents/AQAR%202017-18.pdf

4. Whether Academic Calendar prepared during the year

Yes

if yes,whether it is uploaded in the institutional website: Weblink :	https://aitpune.com/AcademicCalendar.aspx

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B+**	**77.1**	**2004**	**16-Feb-2004**	**15-Feb-2009**
2	**B**	**2.81**	**2010**	**04-Sep-2010**	**03-Sep-2015**
3	**A**	**3.06**	**2016**	**16-Sep-2016**	**15-Sep-2021**

6. Date of Establishment of IQAC

25-Feb-2005

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture

Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Meeting of Internal Quality Assurance cell (IQAC)	16-Feb-2019 1	17
FDP - hands on Methodology on OBE implementation	08-Oct-2018 1	59
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr Jaydevan Project title: Text Detection Recognition from Indian Street Scene Images	Science and Engineering Research Board, DST, New Delhi	Science and Engineering Research Board, DST, New Delhi	2016 2019	1450000
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View File](#)
10. Number of IQAC meetings held during the year :	**1**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

Benchmarks were revised and review of progress taken in the IQAC meeting. One day workshop on hands on methodology for OBE implementation was conducted. Conducted Guest Lectures on – Sustainability. Timely AQAR submission

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

Plan of Action	Achivements/Outcomes
10. Outreach Activities 01 NSS Camp 02 visits to orphanage 02 Blood donation camps 01 visit to paraplegic ward 02 Awareness activities	Achieved all benchmarks
9. Promotion of Research and consultancy culture Faculty with PhD – 20% Research papers– each year to be equal to number of faculty members in department. Patents – one / Dept./ year Consultancy- Rs 1 lakh / Dept./ year	21% faculty with PhD 80% achieved 20% achieved 50% achieved
8. Green Environment Initiatives One green environment initiative per year	2500 trees were planted
7. E-learning facilities ICT about 50% of instruction	achieved
6. Infrastructure up gradation Continuous infrastructure up gradation	Boundary wall, renovation of laboratories and sports facilities
5. Promote extra and co-curricular activities and entrepreneurship 8 -10 Prize winners in National Level Technical competitions Start-up by students – 04	6-8 Prize winners in National Level Technical competitions in each department 02 startups in college
4. Value added courses, MOOC one MOOC per student by Third year	98% achieved
3. Motivate students for higher studies conduct one workshop/seminar for motivating students for higher studies	Each department conducted one seminar to motivate students for higher studies
2. Placements benchmark Placements > 95% with 60% in high end companies	90% Placement
1. Consistently Good Results 97 percent All clear and >98 First Class at Final year1. Consistently Good Results 97 All clear and >98 First Class at Final year	98 percent All clear 98 percent First Class
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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
College Development Committee (CDC)	26-Dec-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

No

16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2019**
Date of Submission	**08-Jan-2019**
17. Does the Institution have Management Information System ?	**Yes**
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**1. Academics module : This module contains the students attendance where subject teacher adds attendance of student for his/her lecture through biometric device entry and can maintain the online record of attendance of his/her theory class or practical, also assignment can be assigned to group of student's or whole class by the subject teacher, class teacher's can take monthly attendance report of class and can send SMS to parents who have less attendance for that particular month. Counseling batch information of 20 students per batch is there and many more submodules are available under this. 2. Student section: This module has academic yearwise class lists, alumni list, and student's profile etc 3. HR module : In this, staff details like staffs appointments, joining of staffs, salary attendance vouchers, leave module of staff from where staff can apply leave online through their personal login 4. Account Section: This module has payroll module which makes salary vouchers, salary slips for the staff of AIT, this module also has Fees module different ledgers of fees (like FE, SE, TE BE and ME) we can create and can allocate to students class wise, so that students can pay fees online through their personal logins and after payment they gets receipt for their paid fees and balance. 5. Library: This gives information about due books, books transactions details and library feedback where everyone can give feedback for library. 6. Admissions: here we can configure application for new FE admissions, and this we can float on our AIT's website, after which student can apply online with some application fees and the process of admission starts thereafter, creation**

of merit list and allocation of branch merit wise is done through this module. 7. Feedback: In this module feedback related to academics and administration AIT takes from students and calculates the result of feedback and takes action on that accordingly. 8. Communication: Through this SMS, Emails can sent to the student's parents, other staff members of college and to those to whom to communicate. 9. Alumni: All alumni data and information is available in this module. 10. Placements : company registration student registration for placement can be done through this module, also placement incharge can directly communicate through mail to company or student if they are already registered in ERP 11. Hostel: Hostel wise student list and details of hostels, student's attendance in hostels is available in this module. 12. Examination Result: university result of students can be stored and sent through SMS to parent's in this module.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

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

Academic Calendar contains all central programs, major college and departmental level events Departmental time table contains the schedule for teaching to meet the requirements of university curriculum. Individual time tables are prepared by individual faculty. Lab time tables describe the utilization of laboratories. Subject lesson plans are prepared by each faculty and submitted to head of department. These are also uploaded on MOODLE for reference by students. The head of department monitors the status of syllabus covered every month and at the end of semester. Faculty members ensure that they cover more than 95% of syllabus by end of term. Lesson plans are also uploaded on MOODLE for students' reference. Class notes, power point presentations, links to relevant animations/videos are also updated on MOODLE. Assignments and mock tests are put up on MOODLE. Lab manuals are prepared for each subject and they are used as a reference by the students. A mock practical exam is conducted for students in their practical classes at the end of each semester. Notice boards are used for display of various notices/information/assignments etc to be passed on to the students. Students are informed about placement activities and other major events on official unique email-id. Class room teaching is augmented by arranging guest lectures and workshops by experts from industry and academia. Further, in order to get a real time exposure to industry, industrial visits are arranged every semester for the students. A large number of students do industrial projects and internships. Automated feedback from students is analyzed periodically to improve the teaching learning process. Feedback from industry is also analyzed and suitable changes in classroom

curriculum are made. Evening classes for value addition courses are also organized as required.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

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

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nill	-	Nill
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Computer, Mechanical, ETC, IT	24/07/2019

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

	Certificate	Diploma Course
Number of Students	Nil	Nil

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Soft Skill (evening classes)	23/07/2018	82
FPL (evening classes)	23/07/2018	300
Core Java and Python	02/07/2018	120
Advance Java, Framework and Projects	02/07/2018	120
Networking "Routing Switching"	17/09/2018	25
IOT Python Programming	18/09/2018	21
Machine Learning	25/06/2018	15
Programming in C	25/06/2018	15
CATIA	05/01/2019	60
CAE(Hyperworks)	12/02/2019	86
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Computer, Mechanical,	187

		ETC, IT	
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
Online feedback from students twice every semester. Teachers are evaluated by the students on their communication skills, ability to explain the subject, regularity in conducting classes, clarity in presentation, teaching methodology, attitude towards students, interest created in the subject and ability to maintain class discipline. Teachers use the feedback index and constructive suggestions to improve upon their teaching skills. Wherever required teacher is counseled by HOD. Feedback from parents and alumni is taken during PTA meeting and Alumni day meeting with departments. Appropriate measures are taken at institute level to implement suggested changes.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Computer, E&TC, Mechanical, IT	300	3209	300
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	1268	14	74	2	4

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used

76	76	4	18	Nill	4

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

Every teacher has a batch of 20 students under him/her. The teachers interact with his/her counseling batch on weekly basis and ensure a one to one interaction 4 – 5 times in a semester. Teacher counsels each student and monitors his/ her progress. If in some cases a need of professional counseling is felt then the student is counseled by a professional counselor.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1282	76	1:17

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
Nill	77	16	16	17

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Prof. Dr B P Patil	Principal	Dewang Mehta Education Leadership award
2018	Prof. Dr K S Surekha	Professor	Dewang Mehta National Education award for Best Professor in Electronics and Telecommunication
2018	Mr Manoj Khaladkar	Associate Professor	Indias Best 30 Marketers in Education by ASMA, India
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
ME	Design Engineering	Year	01/06/2019	14/08/2019
BE	Computer, ETC, Mecahinal,	Year	28/05/2019	17/07/2019

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

Internal assessment of term work is done progressively throughout the semester and students are informed about the weightage given to regularity in submission, performance in experiment/assignment, attendance, independent learning etc. at the beginning of the course. Performance of student in assignments, class tests, viva is also given weightage in continuous evalutation. All Faculty members prepare Progressive Assessment Report and performance of students in these reports are shown to the students. To improve student's behavioral aspects, independent learning, communication skills college has introduced CCCBAS(CoCurricular Credit based Assessment System).

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

Academic calendar gives tentative dates of examination. Departmental notice boards, laboratory notice boards and hostel notice boards display schedule of examination. All Faculty members prepare Progressive Assessment Report and performance of students in these reports are shown to the students. Performance of students in in semester examination is communicated to students and weak students are given assignments by respective teachers.

2.6 – Student Performance and Learning Outcomes

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

https://aitpune.com/Electronics-and-Telecommunication.aspx https://aitpune.com/Information-Technology.aspx https://aitpune.com/Mechanical-Engg.aspx https://aitpune.com/Computer-Engg.aspx https://aitpune.com/Applied-Science.aspx

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
Nill	ME	Design Engineering	8	7	87.5
Nill	BE	IT	60	60	100
Nill	BE	E&TC	117	110	94.02
Nill	BE	Computer	60	60	100
Nill	BE	Mechanical	62	61	98.39
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2.7 – Student Satisfaction Survey

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

https://aitpune.com/Documents/naacreports/Feeedback%202018-19%20Analysis.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	365	AICTEMODROBS	10.35	8.28
Minor Projects	730	AICTEPMKVYTI	1.83	0.81
Projects sponsored by the University	1095	BCUD	4	0.5
Projects sponsored by the University	365	BCUD	3.4	0.53

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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Managing Innovation and Entrepreneurship	ETC	01/09/2018
Full Day workshop on IPR	IT	10/06/2019

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Water Quality Monitoring System IoT based	Vignesh Tiwari(TE IT)	Chhatra Vishwakarma Awards 2018	30/04/2019	Innovation
Sleepiness detector for drivers	Dilip Kumar (TE IT)	LiveEdu Inc, Delaware (US)	25/12/2018	Online project creation
Mosquito Detector, Counter And Alerter	Saurabh Singh and Nidhi Yadav (SE, ETC), Dr. G R Patil (HoD ETC)	AICTE-ECEISTE Chhatra Vishwakarma Awards 2018	21/01/2019	Category - Other appropriate Rural Technologies

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Army Institute of Technology Incubation center	Innovation and Incubation center	Army Institute of Technology	Nill	Nill	Nill

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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

Name of the Department	Number of PhD's Awarded
NA	Nill

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	ASGE	1	0
National	IT	1	0
International	ASGE	3	1
International	ETC	6	1
International	Mechanical	1	1
International	computer	5	5.4
International	IT	14	0.1

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

Department	Number of Publication
mechanical	4
computer	5
ETC	8
IT	1

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Hybrid Technique For ECG Signal Compression Using Parallel And Cascade Method	Surekha KS	International Journal Biomed Engg. Appl , Basics Commun, Scopus ESCI	2018	0	Army Institute of Technology	Nill
Fast Denoising	S D Oza	Indonesian	2018	0	Army Institute	Nill

Filter For MRI using Parallel Approach		Journal of Electrical Engg Informatics			of Technology	

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Hybrid Technique For ECG Signal Compression Using Parallel And Cascade Method	Surekha KS	International Journal Biomed Engg. Appl , Basics Commun, Scopus ESCI	2018	3	Nill	Army Institute of Technology

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	1	1	3	59
Presented papers	17	10	Nill	Nill
Resource persons	Nill	1	Nill	Nill

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3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
NSS Special Camp at Dehu in Jan. 2019	SPPU NSS AIT Unit	5	50

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

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
NSS Special Camp	Funding from SPPU	Director SPPU NSS	50

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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government

Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Swachh Bharat	NSS Special Camp at Dehu in Jan. 2019	Cleanliness drive	5	50

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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
0	0	0	0

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	internship	Indian Institute of Technology, Madras	29/05/2018	30/07/2018	3

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
MITU Skillologies	15/06/2018	Mentoring projects and Conducting Workshops	131
Eleation	06/07/2018	Value added program	60
Ud Chalo	13/06/2019	Ud Chalo scholarship	32
Sigma Electric Manufacturing Corp.	23/11/2018	Industrial visit, Internship, projects	60
iMedita	31/08/2018	Training	60
Maharashtra Media Services and Public Relation Pvt. Ltd.	30/08/2018	Silver Jubilee Event Coverage	500

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
269.41	265.31

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Seminar halls with ICT facilities	Newly Added
Classrooms with LCD facilities	Existing
Seminar Halls	Newly Added
Laboratories	Newly Added
Class rooms	Existing
Campus Area	Existing
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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
SLIM21	Fully	3.7.0	1998

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	27351	10112909	893	425153	28244	10538062
Reference Books	5226	3311415	141	264394	5367	3575809
e-Books	686	227171	732	264450	1418	491621
Journals	73	248600	86	251524	159	500124
e-Journals	962	1908846	988	1886892	1950	3795738

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr Pritee Purohit	Easy Engineering Solutions	Youtube	15/08/2018
Mr Sandip Samleti	Video on Digital	Youtube	16/07/2018

		Libraries		

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	621	12	0	1	0	2	5	1150	0
Added	68	3	0	0	0	0	0	0	0
Total	689	15	0	1	0	2	5	1150	0

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

<div align="center">1150 MBPS/ GBPS</div>

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
nil	Nill

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
70	64.89	114.5	113

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

Standard Operating Procedures exist for maintenance and purchase of equipment in laboratories, library, sports, classrooms etc. These SOP are also available on institute website.

https://aitpune.com/Rules-and-Regulations.aspx

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Nill	Nill	Nill
Financial Support from Other Sources			
a) National	Nill	Nill	Nill
b)International	Nill	Nill	Nill

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Soft Skill development	25/07/2018	82	AIT faculty
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2018	nil	Nill	Nill	Nill	Nill
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
Nill	Nill	Nill

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
TCS Digital	136	12	NIL	Nill	Nill
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	BE	Computer	IIT Bombay	M-Tech
2019	1	BE	E&TC	Austrailian National University	MS
2019	1	BE	IT	IIT Madras	MTech in Computer Science
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	1
CAT	2
GRE	1
TOFEL	1
Any Other	10

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

Activity	Level	Number of Participants
PACE	Intercollege	1100
Cultural Aakriti	Intracollege	800
Sports Aakriti	Intracollege	300

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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	participated, 3rd, 4th,4thth	National	4	Nill	17225,15316,17225, 15508	Samrat Sheoron,Varad Bhatnagar, Nikhil

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

We have a Student Council headed by elected student representative – President, Secretary and Ladies representative. The other members are secretaries of clubs, namely, Cultural, Sports, Technical, NSS, Magazine, Spiritual, Math, Nature, OSS, Robotics, Supra/Baja, Radio etc. The club secretaries are selected based on interview of interested applicants. The college students' President and Ladies representative are part of the CDC and IQAC. Two students of each department are part of library committee. Student representatives are also part of Disciplinary committee, Mess committee etc.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Alumni Association of Army Institute of Technology is a registered organization with Charity Commissioner from 17 Jan 2000. The management and affairs of the society is entrusted and vested in accordance with the rules and regulations of the society to the Governing Board. Alumni Association has its own website – http://alumni.aitpune.edu.in. There are two committees active in overall functioning of Alumni Association: (a) Alumni Advisory Council (AAC) which is made of senior alumni. (b) Alumni Coordination Cell (ACC) which is made of final year and prefinal year students.

5.4.2 – No. of enrolled Alumni:

3226

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

550000

5.4.4 – Meetings/activities organized by Alumni Association :

UGCONAmalgam Project Startup Competition, Annual Alumni Meet

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

Staff members are members of various committees like, College Development committee, Anti ragging committee, Local Purchase committee, Disciplinary committees etc. Staff members are also involved in preparation of various Standard Operating Procedures(SOP) for various activities.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	strictly based on results of JEE Main with appropriate weightages added for gallantry awards earned by parent. Application process is fully online.
Industry Interaction / Collaboration	each department has one faculty responsible for industry interaction. AIT also organizes seminars, technical festivals, hackathons etc. where students are exposed to industry experts in their respective fields
Human Resource Management	HR procedures are now delivered using recently implemented ERP platform.
Library, ICT and Physical Infrastructure / Instrumentation	AIT has a modern library with SLIM software and online renewal facility. Institution has a fully WiFi campus with adequate firewall and security measures. AIT is connected on the highspeed NKN network.
Research and Development	An incentive policy for high quality publications, patents and copyrights has been prepared and in process of implementation. AIT is part of MHRD ' Institution Innovation Cell".
Examination and Evaluation	Mock practicals are conducted to prepare the students for practical exam. A preliminary exam is conducted at first year to prepare students for theory exam. Regular class tests and

	assignments help students prepare for the theory examinations.
Teaching and Learning	Use of MOODLE – learning management system for uploading PPTs, university question papers, model answers, conducting mock quizzes. Student give seminars on latest developments in the topics being studied. Teachers conduct Flipped classroom sessions. Guest lectures are arranged by experts from academics and industry. Teachers give regular assignments and class tests. Students do mini projects from the first year onwards.
Curriculum Development	To augment the curriculum institute conducts a number of value added courses, students are encouraged to complete at least one MOOC by third year, Students are asked to present seminars on new developments during class hours, extra practicals are conducted to prepare students for exams, students are taken on industrial visits for getting updated with industry.

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

E-governace area	Details
Planning and Development	Five year Perspective Plans and yearly budgets are prepared based on online inputs received from students and faculty.
Administration	Maximum administrative functions are now digitized using ERPsoftware. Administrative feedback from students is taken online separately.
Finance and Accounts	All financial transactions are conducted through "Tally" and are integrated with ERP software. Majority transactions are now conducted through ebanking online process to ensure speed, better security and monitoring.
Student Admission and Support	online admission form, online branch allotment based on merit, online fee payment, student and parent login on ERP for monitoring of student performance.
Examination	online exams are conducted. Students are guided to fill exam forms online.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/	Name of the	Amount of support

2018	Avinash Patil	Faculty Orientation Workshop on BE ETC Revised Syllabus 2015 for VLSI Design Technology	Pimpri Chinchwad College Of Engineering and Research (PCCOER)	450
2018	Girish Kapse	Faculty Orientation Workshop on BE ETC Revised Syllabus 2015 for Digital Image Video Processing	D.Y. Patil Institute of Engineering, Management and Research DYPIEMR Akurdi	450
			[View File](#)	

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	-	ERP Hostel Module for room allocation, attendance etc.	20/06/2019	Nill	Nill	15
			[View File](#)			

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
12 Weeks online Course in Introduction to Internet of Things, NPTEL	2	01/01/2019	01/04/2019	60
11 Weeks Online Course on Machine Learning, Computer Science Dept	1	01/10/2018	03/01/2019	55

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
61	15	60	41

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Group Medical Insurance	Group Medical insurance	Merit scholarship

6.4 – Financial Management and Resource Mobilization

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

Yearly statutory auditing of AIT accounts by M/s Chandorkar and Limaye, Chartered Accountants, Prabhat Road, Pune. Quarterly auditing and surprise check of accounts by Station HQ Kirkee

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
AWES New Delhi	9570000	For College Infrastructure Development
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6.4.3 – Total corpus fund generated

496387000

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Army Welfare Eductaion Society	No	Nill
Administrative	Yes	Army Welfare Eductaion Society	No	Nill

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

Parent Feedback Sharing details of college achievements

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

ERP module training

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

Motivate students for Higher studies, Benchmarking of outreach activities, Benchmarking of Feedback from stakeholders.

6.5.5 – Internal Quality Assurance System Details	
a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	FDP on Hands on methodology on Outcome Based Education (OBE)	16/02/2019	08/10/2018	09/10/2018	59
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
nil	Nill	Nill	Nill	Nill

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

Percentage of power requirement of the University met by the renewable energy sources
50 by rooftop solar power generation

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Ramp/Rails	Yes	1
Rest Rooms	Yes	1
Scribes for examination	Yes	1

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	Nill	Nill	Nill	Nill	Nill	Nill	Nill
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Honour code for students	02/07/2018	https://aitpune.com/HonourCode.aspx
Rule book for students	02/07/2018	https://aitpune.com/Documents/AITRulesBook.pdf

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
First year Induction Program	18/07/2018	20/07/2018	300

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

- 350kw rooftop solar photovoltaic power plant • LED street lights • STP with recycled water used for gardening • Tree plantation

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

I. Curriculum Enrichment Measures This practice was implemented in order to enrich the existing curriculum and give hands on experience to our students as per industry expectations. Curriculum revision takes place every four to five years by affiliating university. However, in order to keep the students in pace with the current and latest developments in the industry, additional curriculum enrichment measures have been introduced in the college. II. Green Environment Initiatives This practice was implemented to reduce the institute's carbon footprint make the campus green. Also, student participation in these initiatives makes them responsible citizens. The growing concern for environmental protection and conservation led the institute to implement a large number of green environment initiates.

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

https://aitpune.com/Documents/naacreports/Best%20Practices.pdf

7.3 – Institutional Distinctiveness

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

AIT provides admission strictly based on merit to wards of Army personnel. It has been consistently placed within top 100 Engineering colleges in India. A distinctive achievement of the college is that for the last five years the placement percentage has been consistently above 90 percent. In 201819 also 90 percent of the students got placement through the college placement office.

Provide the weblink of the institution

https://aitpune.com

8.Future Plans of Actions for Next Academic Year

- Prepare and apply for NBA accreditation extension for ETC, Mechanical and Information Technology departments. • Prepare and apply for NBA reaccreditation for Computer department. • Organize MHRD workshop on IPR • Organize more FDP s under QIP • Organize inter college Hackathon and idea pitching contest for students • Apply for Research funding • Apply for MODROB funding