

Part – A

I.Details of the Institution

1.1 Name of the Institution

Army Institute of Technology

1.2 Address Line 1

Alandi Road

Address Line 2

Dighi

City/Town

Pune

State

Maharashtra

Pin Code

411015

Institution e-mail address

ait@aitpune.edu.in

Contact Nos.

020-27157534

Name of the Head of the Institution:

Director, Brig A A Bhat (Retd)

Tel. No. with STD Code:

020-27157534

Mobile:

9967032089

Name of the IQAC Co-ordinator:

Dr. Sujata Marathe

Mobile:

9921445544

IQAC e-mail address:

naac_coord@aitpune.edu.in

1.3 NAAC Track ID(For ex. MHCOGN 18879)

NAAC/WR/GH/MHCOGN10824

1.4 NAAC Executive Committee No. &Date:

(For Example EC/32/A&A/143 dated 3-5-2004.

This EC no.is available in the right corner-bottom of your institution's Accreditation Certificate)

EC(SC)/17/A&A/24.3 dated 16-09-2016

1.5 Website address:

www.aitpune.com

Web-link of the AQAR:

www.aitpune.com/Documents/AQAR 2016-17.pdf

1.6 Accreditation Details

Sl.No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B+	77.1	2004	5 Yrs
2	2 nd Cycle	B	2.81	2010	5 Yrs
3	3 rd Cycle	A	3.06	2016	5 Yrs
4	4 th Cycle			-	-

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

25/2/2005

1.8 AQAR for the year(for example 2010-11)

2016-17

1.9Details of the previous year's AQAR submitted to NAACafterthe latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11submitted to NAAC on 12-10-2011)

- i. AQAR__2015-16__submitted on 20/12/2016__ (DD/MM/YYYY)
- ii. AQAR__2014-15__submitted on 04/12/2015__ (DD/MM/YYYY)
- iii. AQAR__2013-14__submitted on 24/12/2014__ (DD/MM/YYYY)
- iv. AQAR__2012-13__submitted on 10/12/2013__ (DD/MM/YYYY)

1.10 Institutional Status

University

State

Central

Deemed

Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education Men Women

Urban Rural Tribal

Financial Status Grant-in-aid UGC 2(f) UGC 12B

Grant-in-aid +Self Financing Totally Self-financing

1.11 Type of Faculty/Programme

Arts Science Commerce Law PEI(PhysEdu)

TEI (Edu) Engineering Health Science Management

Others(Specify)

1.12 Name of the Affiliating University (*for the Colleges*)

Savitribai Phule Pune University

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

University with Potential for Excellence UGC-CPE

DST Star Scheme UGC-CE

UGC-Special Assistance Programme DST-FIST

UGC-Innovative PG programmes Any other (*Specify*)

UGC-COP Programmes

2. IQAC Composition and Activities

2.1 No. of Teachers

2.2 No. of Administrative/Technical staff

2.3 No. of students

2.4 No. of Management representatives

2.5 No. of Alumni

2.6 No. of any other stakeholder and community representatives

2.7 No. of Employers/ Industrialists

2.8 No. of other External Experts

2.9 Total No. of members

2.10 No. of IQAC meetings held

2.11 No. of meetings with various stakeholders: No. Faculty

Non-Teaching Staff Students Alumni Others

*HOD meetings, Extended Student Council meetings

2.12 Has IQAC received any funding from UGC during the year? Yes No

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the Internal Quality Assurance Cell

Total Nos. International National State Institution Level

(ii) Themes

Proposed Autonomy

2.14 Significant Activities and contributions made by IQAC

Based on inputs from IQAC and its sub committees, the college has organised guest lecture for motivating students to take up higher studies. MOODLE based teaching learning platform. Students are being motivated to complete at least one MOOC and one internship/ sponsored project. Placements in core and high end companies have increased. College has increased the capacity of the solar photo voltaic power plant . ERP is in the process of implementation(2017-18). College is planning to apply for autonomous status.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
Result analysis and measures to improve results.	Better results
Increased use of technology assisted learning (TAL)	Increased use of technology assisted learning (TAL)
Competency mapping of students should be done	AMCAT aptitude test conducted in first and second semester for third year students
Increase thrust on placements in core and high end companies	Placements in core and high end companies have increased
Continue with summer / winter internship.	Increased internships to 33% of BE students.
Increase guest lectures	Guest lectures were conducted by each department.

* Attach the Academic Calendar of the year as Annexure.

2.15 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

*Proposed to be placed before CDC in Dec 2017

Provide the details of the action taken

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Part – B

Criterion – I

I. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	0	0	0	0
PG	1	0	0	0
UG	4	0	0	1
PG Diploma	0	0	0	0
AdvancedDiploma	0	0	0	0
Diploma	0	0	0	0
Certificate	0	0	0	2
Others	0	0	0	0
Total	5			03
Interdisciplinary	0	0	0	0
Innovative	0	0	0	0

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options: **Elective and Core**

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	4 (IT,Comp,ETC, Mech)
Trimester	NA
Annual	NA

1.3 Feedback from stakeholders*Alumni YES Parents YES Employers YES Students YES
(On all aspects)

Mode of feedback:Online YES Manual YES Co-operating schools (for PEI)

**Please provide an analysis of the feedback in the Annexure*

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

Yes, final year syllabus has been revised by affiliating university

1.5 Any new Department/Centre introduced during the year. If yes, give details.

3 DPLM Lab.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
64	47	12	05	

2.2 No. of permanent faculty with Ph.D.

12

2.3 No. of Faculty Positions Recruited (R) and Vacant(V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
1	1	-	-	1	1	-	-	3	2

2.4 No. of Guest and Visiting faculty and Temporary faculty

0

0

22

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	7	39	0
Presented papers	31	12	03
Resource Persons	2	6	1

2.6 Innovative processes adopted by the institution in Teaching and Learning:

ONLINE E LEARNING SOFTWARE " MOODLE" IS USED. ON THIS SYSTEM LEARNING MATERIAL IS UPLOADED, ASSIGNMENTS AND ONLINE QUIZES ARE CONDUCTED. INCUBATION CENTRE ORGANISING BUSINESS PLAN AND CASE STUDY COMPETITIONS FOR STUDENTS. A LARGE NUMBER OF GUEST LECTURES, INDUSTRIAL VISITS WERE ARRANGED. GUIDANCE FOR GATE, MINI PROJECTS.

FINAL YEAR STUDENTD HAVE RECORDED VIDEO LECTURES ON THEIR SUBJECTS AND UPLOADED ON WEBSITE.

2.7 Total No. of actual teaching days During this academic year

180

2.8 Examination/ Evaluation Reforms initiated by the Institution(for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

ONLINE MULTIPLE CHOICE CLASS TEST, IN SEM EXAM, BAR CODING, MIDSEM EXAM AND ONLINE EXAM

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop
 Total: 5 9 5
19

2.10 Average percentage of attendance of students 75

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
BE COMP	64	33	24	1	0	91
BE IT	62	35	21	2	0	93
BE E&TC	129	78	38	3	0	92
BE MECH	61	42	15	3	0	98

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

Important policy decisions on teaching learning are taken at the GB(Governing Body), AAC(Academic Advisory Committee) and LMC (Local Management Committee) based on inputs from IQAC. The decisions are then executed at the necessary levels/departments. The teaching learning and evaluation is as per norms of the affiliating university. Additional skills as desired by the stakeholders, especially the employers are provided to

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	11
UGC – Faculty Improvement Programme	15
HRD programmes	1
Orientation programmes	3
Faculty exchange programme	0
Staff training conducted by the university	17
Staff training conducted by other institutions	47
Summer / Winter schools, Workshops, etc.	50
Others	9

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	44	0	0	18
Technical Staff	22	0	0	20

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

R&D CELL IS ESTABLISHED. FACULTY IS MOTIVATED TO UNDERTAKE PROJECTS AND ATTEND CONFERENCES AND PRESENT PAPERS AND PUBLISH IN PEER REVIEWED JOURNALS. COLLEGE ALSO HAS AN INCUBATION CENTRE AND AN INDUSTRY INSTITUTE INTERACTION CELL.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	3	1	-	-
Outlay in Rs. Lakhs	2.9	14.5	-	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	3	2	-	
Outlay in Rs. Lakhs	2.65	2.2	--	

3.4 Details on research publications

	International	National	Others
Peer Review Journals	15	03	0
Non-Peer Review Journals	0	0	0
e-Journals	8	0	0
Conference proceedings	18	8	3

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2016-19	SERB,DST	14.5 lakh	14.5 lakh
Minor Projects	2016-18	BCUD	2.1 lakh	1.05lakh
Interdisciplinary Projects	--	--	--	--
Industry sponsored	--	--	--	--
Projects sponsored by the University/ College				
Students research projects <i>(other than compulsory by the University)</i>	--	--	--	--
Any other(Specify)(Monor)	2014-16	BCUD	1.5 lakh	1.5 lakh
Total		--		

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9 For colleges Autonomy CPE DBT Star Scheme
INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	-	-	-	-	01
Sponsoring agencies					college

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency From Management of University/College

Total

Rs 21.6lakh

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	6
	Granted	--
International	Applied	--
	Granted	--
Commercialised	Applied	-
	Granted	--

3.17 No. of research awards/ recognitions received by faculty and research fellows
Of the institute in the year

Total	International	National	State	University	Dist	College
--	--	--	--	1	--	2

3.18 No. of faculty from the Institution
who are Ph.D.Guides
and students registered under them

05

15

3.19 No. of Ph.D. awarded by faculty from the Institution

-

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF

SRF

Project Fellows

Any other

3.21 No. of students Participated in NSS events:

University level

8

State level

National level

1

International level

3.22 No. of students participated in NCC events:

University level

State level

National level

International level

3.23 No. of Awards won in NSS:

University level

1

State level

National level

International level

3.24 No. of Awards won in NCC:

University level State level
 National level International level

3.25 No. of Extension activities organized

University forum College forum
 NCC NSS Any other

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

BLOOD DONATION CAMPS
 ORPHANAGE VISITS
 TREE PLANTATION
 AWARENESS PROGRAMMES/MARCHES

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	30 ACRES	--	--	30 ACRES
Class rooms	21	-	--	21
Laboratories	42	-	--	42
Seminar Halls	8	-	--	8
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	-	33	Institute	33
Value of the equipment purchased during the year (Rs. in Lakhs)	-	52.6	Institute	52.6
Others	-	-	-	-

4.2 Computerization of administration and library

LIBRARY HAS WIFI CONNECTIVITY IN READINGHALL, A SEPARATE DIGITAL SECTION, COMPUTERISED ISSUE OF BOOKS WITH RFID TAGS, CCTV ARE INSTALLED

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	1133	494108	1046	4,82,0025	2179	9,76,110
Reference Books	102	1,33,189	421	2,72,015	523	4,05,204
e-Books		1,74,401		1,88,588		3,62,989
Journals	75	2,55,938	01	1,72,948	76	4,28,886
e-Journals	740	18,17,459	740	22,57,065	1480	40,74,524
Digital Database						
CD & Video	80		2	1998	82	1998

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	483	19	257 mbps	6	3			
Added	15	2	845mbps					
Total	498	21	1,102 mbps	6	3			

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

Networking, Wi-Fi for new library building and for new accommodation by optic fibers.

4.6 Amount spent on maintenance in lakhs :

i) ICT

1.25

ii) Campus Infrastructure and facilities

25

iii) Equipments

15

iv) Others

4

Total :

45.25

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

1. Infrastructure development in the departments.
 2. Increase in the number of workshops and guest lectures
 3. R&D lab
 4. Industry sponsored lab-NVIDIA, Texas Instruments
 5. Incubation centre for entrepreneurship development.
- Students are encouraged to participate in technical competitions, co-curricular activities.

5.2 Efforts made by the institution for tracking the progression

1. Result analysis and implementation of corrective measures
2. Continuous monitoring of class tests, co curricular activities by respective counsellors.
3. Co curricular Credit Based Assessment System adopted.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1274	8	--	--

(b) No. of students outside the state

1268

(c) No. of international students

00

No	%
1113	86.8

Men

No	%
169	13.2

Women

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
*	*	*	*	*	1172	*	*	*	*	*	1156

*Note - AIT admits students purely on merit hence no data available

Demand ratio : 10:01 Dropout: 12(Due to admission obtained to NDA/TES for Army commissioning)

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

Various seminars, guest lectures, aptitude test training sessions and mock personal interview sessions have been organized for the students. SSB Coaching and sessions on higher studies also were conducted.

No. of students beneficiaries

300

5.5 No. of students qualified in these examinations

NET	--	SET/S	LET	--	GATE	30	CAT	04
IAS/IPS etc	--	State PSC	--	UPSC	--	Others	11	
				GRE	06			

5.6 Details of student counselling and career guidance

(a) Initiatives like psychological counseling and career guidance by professionals are being regularly carried out. In psychological counseling, there are three stages:-

(i) Pre-assessment of the counselee is carried out. Three sets of questionnaire are given to the candidate related to hygiene, habits and emotions.

(ii) In the second stage, actual counseling has been done and responses to earlier assignments are used as a reference/ base point during the interaction with the candidate.

(iii) Actual problem identification and areas of concern are decided and further line of treatment is specified.

(b) Career guidance activity given can be broadly classified as:-

(i) Corporate readiness program.

(ii) SSB Coaching.

(iii) Sessions on technologies in demand and research initiatives.

(iv) Entrepreneurial talk.

No of students benefitted : 300

No. of students benefitted

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
77	279	258	2

5.8 Details of gender sensitization programmes

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports: State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	78	5.5 lakh
Financial support from government		
Financial support from other sources	333	127.80 lakh
Number of students who received International/ National recognitions		

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: Major – 01; Minor through ESCM meetings

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

VISION:

WE AT AIT, STRIVE FOR EXCELLENCE IN PROVIDING THE RIGHT ENVIRONMENT FOR DEVELOPMENT OF PHYSICAL, INTELLECTUAL, EMOTIONAL AND SPIRITUAL QUOTIENTS WITH A VIEW TO PRODUCE TOTAL QUALITY ENGINEERS, PREPARING THEM TO FACE CHALLENGES OF THE MODERN INFORMATION SOCIETY.

MISSION :

PROVIDE STATE OF THE ART INFRASTRUCTURE TILL DEEMED SUFFICIENT THROUGH INPUT OF STAFF AND STUDENTS FOR BUILDING UP A CENTRE OF EXCELLENCE. NURTURE AND FOSTER AN ACADEMIC FRATERNITY TO CATER TO THE NEED OF THE ENGINEERING STUDENTS COMMUNITY. ENCOURAGE AND MOTIVATE STAFF AND STUDENTS TO UTILIZE THE FACILITIES PROVIDED TO THEM WITH THEIR INNOVATIVE AND CREATIVE THINKING IN AN EFFECTIVE WAY FOR THEIR OVERALL DEVELOPMENT. AUGMENT ALL AVAILABLE AVENUES TO DEVELOP STAFF AND STUDENTS FOR THE EMERGING NEED OF SOCIETY AND DEVELOP ARMY INSTITUTE OF TECHNOLOGY INTO A GLOBAL CENTRE OF EXCELLENCE IN THE FIELD OF TECHNICAL ENGINEERING EDUCATION.

6.2 Does the Institution has a management Information System

YES. MOODLE FOR CURRICULUM MANAGEMANT, STUDENT INFORMATION SYSTEM (FOR PARENTS TO KEEP UP DATED WITH WARD'S PROGRESS/PERFORMANCE), PAYROLL AND LEAVE MANAGEMENT SYSTEM. ERP IN THE PROCESS OF BEING IMPLEMENTED

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

Students have the option of opting for 'open electives'. The institute conducts several value added courses. Students are encouraged to undergo and complete online courses like MOOC. Students are also encouraged to undertake mini projects. One MOOC course compulsory for third year students and one mini project compulsory for first year students.

6.3.2 Teaching and Learning

As per the affiliating university; Savitribai Phule Pune University (SPPU) with emphasis on tutorial discussion method. Use of ICT is encouraged. Guest lectures, seminars and workshops are arranged. 50% industry sponsored projects and 116 students underwent internship .

6.3.3 Examination and Evaluation

IN-SEM, OFFLINE , MIDSEM, OPEN BOOK, SURPRISE TESTS, ONLINE, MOCK ONLINE, END TERM EXAMS.

6.3.4 Research and Development

STAFF IS ENCOURAGED TO TAKE UP HIGHER STUDIES, R&D PROJECTS, STUDENTS ARE ENCOURAGED TO TAKE MINI PROJECTS, PAPER PRESENTATIONS. PATENTS HAVE BEEN FILED BY STAFF AND STUDENTS.

6.3.5 Library, ICT and physical infrastructure / instrumentation

WIFI ENABLED CLASSROOMS WITH MODERN PROJECTION SYSTEM, SEMINAR HALLS WITH PROJECTION SYSTEM AND PA SYSTEM, E-JOURNAL. CENTRAL LIBRARY. WEBINARS ARE HELD AND VIDEO CONFERENCING TECHNOLOGY IS IN THE PROCESS OF PROCUREMENT.

6.3.6 Human Resource Management

THE STRATEGY IS BASED ON GUIDELINES OF SPPU AND Army Welfare Education Society (AWES) POLICIES.

6.3.7 Faculty and Staff recruitment

AS PER UNIVERSITY PROCEDURES

6.3.8 Industry Interaction / Collaboration

MoUs, Campus Connect, Campus Recruitment, sponsored labs, technical sessions, summer and winter internships, sponsored projects, scholarship initiatives, innovation/ coding competitions and industrial visits. HACKATHON was held in collaboration with industries.

6.3.9 Admission of Students

BASED ON JEE MAIN RANK

6.4 Welfare schemes for

Teaching	BEST TEACHER/BEST RESULT AWARDS/BEST RESEARCHER
Non teaching	BEST NON-TEACHING STAFF AWARD, UNIFORM AND SHOES FOR GROUP IV EMPLOYEES.
Students	SCHOLARSHIPS

6.5 Total corpus fund generated

Rs 2612 lakh

6.6 Whether annual financial audit has been done Yes

YES

No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	YES	ISO, ANNUAL INSPECTION BY AWES SOUTHERN COMMAND	YES	DIRECTOR, PRINCIPAL, HODS
Administrative	YES	ISO, ANNUAL INSPECTION BY AWES SOUTHERN COMMAND	YES	DIRECTOR, JOINT DIRECTOR AND PRINCIPAL

6.8 Does the University/ Autonomous College declare results within 30 days?

For UG Programmes

Yes

No

For PG Programmes

Yes

No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

SYLLABUS REVISION, MODIFICATION IN EXAM AND EVALUATION SCHEMES ,
INCLUSION OF PART ONLINE ASSESSMENT FOR FIRST AND SECOND YEAR STUDENTS,
INTRODUCTION OF IN SEMESTER EXAM FOR THIRD YEAR STUDENTS. CGPA SYSTEM
OF GRADING, AUDIT COURSES AND PHYSICAL TEST INTRODUCED.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

University encourages autonomy and our institute plans to get autonomy in 1 to 2
years time.

6.11 Activities and support from the Alumni Association

Annual Alumni Meet, Regional Meet, Value Add Sessions, Sponsorship for project
competitions, guest lectures, internship opportunities and sponsored lab.

6.12 Activities and support from the Parent – Teacher Association

The college provides an on line forum for interacting with the parents as most of them
are army personnel posted in far off places. There is constant interaction through
counselors and the administration in person or telephonically. In addition one PTMs was
conducted on 11/03/17.

6.13 Development programmes for support staff

Being arranged through inside /outside agencies.

6.14 Initiatives taken by the institution to make the campus eco-friendly

1. Sewage treatment plant and recycled sewage water for greening projects
2. Solar photovoltaic power plant to augment electricity consumption and provide green energy.
3. Old fans being replaced by energy efficient fans. Old lights being replaced by LED bulbs and tubes.

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

Innovation and incubation cell established in Sept 2014. Mini projects introduced from first year. LED lights in common areas. A number of patents filed. Solar system additional capacity added.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

Increased use of technology assisted learning (TAL) , Placements in core and high end companies have increased, Co curricular credit based system CCCBAS is adopted.
Each department prepares Action Taken Report based on plan of action decided in the Academic Advisory Committee (AAC) meeting at the beginning of the year.

7.3 Give two Best Practices of the institution(*please see the format in the NAAC Self-study Manuals*)

1. Participative management with ESCM, weekly divisional heads meeting, monthly flank in charge meeting and brain storming sessions
2. Curriculum enrichment with value added courses, expert lecture, mini projects,

**Provide the details in annexure (annexure need to be numbered as i, ii,iii)*

7.4 Contribution to environmental awareness / protection

Green Rally: Paper bags were made, by our students, from old newspapers, and distributed at Vishrantwadi, with message to re use and recycle and avoid the use of plastic bags.
Swach Bharat Abhiyan: Cleanliness drive consisting of awareness drive, in house cleaning, cleaning the neighbourhood.
Synchronisation of Diesel Generators, Synchronization of Solar System with Diesel Generators, Rain Water Harvesting at NBH-I, Use of LED lights at Sports Complex and Sport Ground, Replacement of exiting Tube lights with LED Tube lights, Replacement of exiting Ceiling Fans with Super Energy Saver Ceiling Fans, Tree Plantation.

7.5 Whether environmental audit was conducted? Yes No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

STRENGTHS :

1. Admissions based on JEE-Main ranks with no quotas.
2. Disciplined Armed forces background of students.

3. Almost 90% residential students.
4. Peer induced personality development

WEAKNESSES :

1. Research and Consultancy needs to be enhanced

OPPORTUNITIES:

1. Increasing alumni support for growth of college
2. Sponsored projects from DRDO and other Army establishments

THREATS:

1. Expansion of NITs and IITs with lower fee structure attracting higher merit students
2. Increasing number of good colleges coming up in Northern India closer to native residence of students.

8.Plans of institution for next year

Zero waste management.
Skill development courses (IAT/IOT).
MKCL and KLIK courses.
MOU with FT42, MKCL and CDAC.
Revenue generation.
Gate coaching in campus.
Frame rules regulations and curriculum for autonomy.

Name *Dr Sujata Marathe*

Name *Dr B P Patil*

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

_____***_____

Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission

(Ref Criterion I 1.3)

ANALYSIS OF FEEDBACK 2016-17**A) Student feedback on Teaching Faculty**

The feedback is conducted on eight different parameters related with teaching learning abilities, communication skills and discipline. Out of a total index score of 10 more than 85 % teachers score more than 7 on teaching learning parameters. On the parameter“Overall interest created in the subject” some deficiency is observed. Teachers are confidentially conveyed the same. Other draw backs if any have been conveyed and corrective action suggested.

B) Feedback from Alumni

1. More than 60% of alumni agreed that Program Outcomes were achieved, like ability to –
 - identify and analyze complex engineering problems.
 - function effectively as an individual and as a member or leader in diverse teams or multidisciplinary settings.
 - apply ethical principles and commit to professional ethics.
 - apply reasoning informed by contextual knowledge to societal, health, safety legal and cultural issues relevant to professional engineering practice.
 - engage in independent and lifelong learning.
2. More than 60% responded that the academic environment provided at AIT was excellent and 70 % rated that their undergraduate experience at AIT was excellent.

C) Feedback from Employers

<u>Sr No</u>	<u>Points</u>	<u>High</u>	<u>Medium</u>	<u>Low</u>
1.	Fundamental Knowledge	✓		
2.	Domain Knowledge		✓	
3.	Branch specific skills and apprising with present industry expectations		✓	
4.	Level of application through quality of projects and technical activities		✓	
5.	Communication Skills	✓		

Analysis of the Feedback

<u>Name of Department</u>	<u>Areas of Improvement</u>
E&TC	<ol style="list-style-type: none"> 1. Niche Technology 2. Java certification 3. Unix/Linux certification 4. IoT 5. Courses in Analytics.
Mechanical	<ol style="list-style-type: none"> 1. Process Engineering 2. Quality Management. 3. CFD software 4. CAD Design
Computer/ IT	<ol style="list-style-type: none"> 1. Modern languages like Ruby, Python. 2. S/W Architecture and Design 3. Cloud Computing 4. Info Security and Hackathon. 5. Data Analytics.

D) Feedback from Parents

Majority of the parents (above 90%) are satisfied with the standard of discipline maintained at the college. Areas for improvement given by parents and Action taken by management are summarized in the table below:

S No.	Area for improvement	Action taken
1	Limited use of power point presentations should be made by teachers	Instructions were passed to teachers that PPTs should be use as an aid only when required
2	Encourage students to work on projects	Students have to work on mini-projects from first year onwards
3	More class tests should be conducted	02 Class tests to be conducted by every department
4	Value added courses should be incorporated in time table	Conducted after regular teaching hours as it is not possible during regular class hours
5	Internet should be shut down by 10 pm	Internet is being made available till late night based on students request
6	Class counsellor should intimate more regularly regarding ward's performance	Class counsellors have been told to contact parents regularly. Sometime parents are not contactable

		during working hours or sometimes their mobile numbers are not updated. SMS of progress report at end of year is being sent. Communication will be better once ERP is functional
7	More efforts required for overall development of students	Various inter branch cultural, technical and sports events are organized by the college. Value added courses and soft skills training is given.
8	Laundry system needs to be revamped	Issue being addressed by Joint Director.
9	Vehicle facilities may be provided by college to students going to Railway station	Vehicle is made available on payment basis (approx. fare of auto rickshaw)

ACADEMIC CALENDAR 2016 - 17 (SEM - I)

DATE	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1.					1 st Saturday	Bhaubeej - Holiday	
2.		1 st Saturday		AAKRITI (Tentative) NBA Suggested Slot-IV	SUNDAY		
3.		SUNDAY		AAKRITI (Tentative) NBA Suggested Slot-IV 1 st Saturday			1 st Saturday
4.	1 st Saturday		NAAC Visit	NBA Suggested Slot-IV SUNDAY		Theory Exam Start SE / TE / BE	SUNDAY
5.	SUNDAY	ESCM Guest Lecture Mech	NAAC Visit	Ganesh Chaturthi - Holiday		1 st Saturday	
6.	Orientation of Faculty (New Appt)	RAMJAN ID - Holiday	NAAC Visit 1 st Saturday		Conclusion of SE / TE / BE	SUNDAY	
7.		Workshop - TE E&TC	SUNDAY	Seminar Guest Lecture SE/TE/BE E&TC		Conclusion of ME II Year	
8.	Director Interaction with Faculty	Workshop - BE IT	SE Cultural Program for Fresher's Industrial Visit TE E&TC	ESCM			
9.		Workshop - BE IT Guest Lecture SE to BE Comp (Tentative)	ESCM	NBA Suggested Slot-V Workshop - SE IT	SUNDAY		
10.	PPT by CEC	SUNDAY	Guest Lecture Mech	NBA Suggested Slot-V Blood Donation (Tentative) Workshop - SE IT			
11.	IQAC Mtg	Seminar Guest Lecture BE E&TC		NBA Suggested Slot-V SUNDAY	Dasara - Holiday		SUNDAY
12.	SUNDAY		NBA Suggested Slot-I Workshop - TE IT	Industrial Visit Mech	Moharrum - Holiday		EID - a - Milad Holiday
13.		FE Admission (Tentative)	NBA Suggested Slot-I Workshop - TE IT Industrial Visit TE / BE Comp	Bakari EID - Holiday	Practical / Oral / Project Start SE / TE / BE	SUNDAY	
14.		FE Admission (Tentative) Student Council Selection	NBA Suggested Slot-I SUNDAY	Guest Lecture SE to BE Comp (Tentative)	Industrial Visit TE / BE Comp	Gurunanak Jayanti Holiday	
15.	Commencement of SE / TE / BE	FE Admission (Tentative) Workshop SE E&TC	Independence Day Holiday Parichay '16 (Sport Activity)	Anant Chaturthi - Holiday	3 rd Saturday	Practical / Oral / Project Start ME II Year	
16.	NAAC Coord Mtg	Workshop SE E&TC 3 rd Saturday	Parichay '16 (Sport Activity)		SUNDAY		
17.		SUNDAY	Parichay '16 (Sport Activity) Pateti - Holiday	3 rd Saturday			3 rd Saturday
18.	3 rd Saturday	Commencement of ME II Year FE Orientation Capsule (Tentative) MID SEM (E&TC)	Industrial Visit Mech	SUNDAY			SUNDAY
19.	SUNDAY	FE Orientation Capsule (Tentative) MID SEM (E&TC)	NBA Suggested Slot-II			3 rd Saturday	
20.		FE Orientation Capsule (Tentative) MID SEM (E&TC)	NBA Suggested Slot-II 3 rd Saturday			SUNDAY	
21.	Yoga Day Celebration	FE Talent Hunt	NBA Suggested Slot-II SUNDAY	GBM (Tentative)			
22.	Director's Address SE / TE / BE	FE Cultural Interaction			Guest Lecture SE to BE Comp (Tentative)	Practical / Oral / Project End ME II Year	
23.		Guest Lecture - SE TE - IT			SUNDAY		
24.		SUNDAY		Guest Lecture - SE TE - IT	Jt Director Hostel Inspection		
25.		FE Session Starts Seminar SE E&TC		SUNDAY		Alandi Yatra - Holiday	SUNDAY
26.	SUNDAY		NBA Suggested Slot-III				
27.		Jt Director Hostel Inspection	NBA Suggested Slot-III Guest Lecture SE to BE Comp (Tentative)	Jt Director Hostel Inspection	Practical / Oral / Project End SE / TE / BE	SUNDAY	
28.	NBA Coord Mtg		NBA Suggested Slot-III SUNDAY				
29.	Alandi Palkhi		Jt Director Hostel Inspection	BE Project Seminar E&TC			
30.		Flank Meeting with Director		Flank Meeting with Director	SUNDAY	Theory Exam End SE / TE / BE	
31.		SUNDAY	Flank Meeting with Director		Diwali - Holiday		

- TECH AAKRITI
- TECH SOLUTION
- PACE

1st/2nd Week Jan 2017
Based on online Exam dates

Mahiri

.Director

ACADEMIC CALENDAR 2016 - 17 (SEM - II)

DATE	DEC '16	JAN '17	FEB '17	MAR '17	APR '17	MAY '17
1.		Sunday			3 rd Saturday	
2.		Physical Education Exam - FE (Start)			Sunday	- Conclusion of Teaching (ME) - Theory Exam (SE to BE) Start
3.	1 st Saturday				Conclusion of Teaching (FE to BE)	
4.	Sunday	AMCAT Phase I (TE)	Interacting with TE & BE on Internship & Project Online Phase I (FE & SE) End 1 st Saturday	Student Conference (Paper Presentation) Debate (FE) - Debate Club 1 st Saturday	ISO Internal Audit I	
5.		Certification Exam on Cloud Computing (TE IT)	Sunday	Debate (FE) - Debate Club Sunday		
6.		Tech Akkriti - Astro Model Making - Guest Lecture TE E&TC	Visit of ISPR - Math Club	Workshop for BE II	Online Phase II (FE & SE) Start	1 st Saturday
7.		1 st Saturday			Insem (TE & SE) Start	Sunday
8.	ISO Internal Audit II	Intercollege Grand Quiz - Debate Club Sunday	Media Campaign (Tentative)	Orphanage Visit	- Faculty Day (Lecture for All Faculty)	Practical Exam (ME) Start
9.		- Entrepreneurship Development Camp (TE) - Director Address to Students			Sunday	
10.	Director Interaction with Faculty	- Industrial Visit TE, BE E&TC		- Guest Lecture - Astro Club - ESCM - Industrial Visit TE E&TC	Practical Oral Examination (SE to BE) Start	
11.	Sunday	- Blood Donation - NSS Club	PACE '17	Workshop TE E&TC	Online Phase II (FE & SE) End Insem (TE & BE) End	MRM - I - ISO
12.	Zone Intercollegiate Cricket Competition (Start) ED - Holiday	- ESCM - Commencement of Teaching (ME) - IETE Workshop for SE E&TC		Sunday	Sunday	
13.		IETE Workshop for SE E&TC - Case Study Competition (TE) - Poetry Slam Competition - Debate Club IETE Workshop for SE E&TC			ESCM	Practical Exam (ME) End
14.	LMC (Tentative)	- Tech Solutions '17 - Amethyst - B.C.J Quiz - Book Exhibition	Career Counseling by Dhya (SE)	Guest Lecture for TE, BE IT		Sunday
15.	- Commencement of Teaching - SE to BE - MRM II - ISO	Physical Education Exam - FE (End) Sunday			GBM (Tentative)	3 rd Saturday
16.		Movies - Math Club				Sunday
17.	Zone Intercollegiate Cricket Competition (End) 3 rd Saturday		ESCM		Guest Lecture BE E&TC	Theory Exam (ME) Start
18.	Sunday	- Guest Lecture (SE IT) - Adm Inspection (Tentative)	Class Test - I (E&TC)	Hackathon 3 rd Saturday	3 rd Saturday	
19.	- Placement Registration TE ETC A - Physical Education Lecture - FE (Start) - Commencement of Teaching - FE			Sunday	Sunday	
20.	Placement Registration TE E&TC B	- Star Quizing - Guest Lecture BE E&TC - Industrial Visit SE ETC - Inter Year Matches (AATISH) Start - Class Test - I (E&TC)	Parents Meet			3 rd Saturday
21.	- Surveillance Audit II - ISO - Placement Registration TE Comp	Alumni Interaction Session 3 rd Saturday			Class Test II (E&TC)	Sunday
22.	Placement Registration TE IT	Sunday	Guest Lecture - Math Club			
23.	Placement Registration TE Mech					Sunday
24.	Alumni Meet		AIT Foundation Day			
25.	Sunday	- Photography Competition NSS Club - Inter Year Matches (AATISH) End	- Faculty Day (Lecture for All Faculty)	AIT UGCOR Amalgam		
26.	Workshop on Cloud Computing (TE IT)	COEP ZEST Sports (Start) Republic Day	Sunday	Sunday		
27.						Practical Oral Examination (SE to BE) End
28.	- Paper Bag Marking & Distribution in Wall - NSS Club - AIT Model Marking	- IQAC Meeting - Faculty Day (Lecture for All Faculty)	- IUCAA Visit - AMCAT Phase II (TE) - Industrial Visit (SE IT) - Flank Meeting			
29.		Inter College Completion - Math Club				Theory Exam (SE to BE) End
30.	- Guest Lecture SE E&TC - Physical Education Lecture - FE (End)	Workshop for SE IT	- COEP ZEST Sports (End) - Online Phase I (FE & SE) Start		Sunday	Theory Exam (ME) End
31.	Mini Project Exhibition (FE SE)	Flank Meeting		Flank Meeting		

• 1st Week of March - BITS Goa Sports Fest

Mahira
05/12/16 Director