

## 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(Dr.) S K Lahiri  
(Retd.)

Tel. No. with STD Code:

020-27157534

Mobile:

9423132138

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/53/RAR/71, 04 Sep 2010

1.5 Website address:

www.aitpune.com

Web-link of the AQAR:

www.aitpune.com/imp/aqar\_201415.pdf

1.6 Accreditation Details

Sl.No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	B+	77.1	2004	5 Yrs
2	2 <sup>nd</sup> Cycle	B	2.81	2010	5 Yrs
3	3 <sup>rd</sup> Cycle				
4	4 <sup>th</sup> Cycle				

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

25/2/2005

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

2014-15

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\_\_\_\_2013-14\_\_\_\_submitted on 24/12/2014\_\_\_\_(DD/MM/YYYY)
- ii. AQAR\_\_\_\_2012-13\_\_\_\_submitted on 10/12/2013\_\_\_\_(DD/MM/YYYY)
- iii. AQAR\_\_\_\_2011-12\_\_\_\_submitted on 24/12/2012\_\_\_\_(DD/MM/YYYY)
- iv. AQAR\_\_\_\_2010-11\_\_\_\_submitted on 04/11/2011\_\_\_\_(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. 32 Faculty

Non-Teaching Staff  Students   Alumni  Others

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

NBA Accreditation (New format)

2.14 Significant Activities and contributions made by IQAC

Based on inputs from IQAC and its sub committees, the college has a MOODLE based teaching learning platform. Up gradation to Microsoft365 cloud based platform Edvelop is underway. Students are being motivated to complete at least one MOOC and one internship/ sponsored project. College library has increased subscription to e-journals. Placements in core and high end companies have increased. College plans to further increase the capacity of the solar photo voltaic power plant. One international conference was conducted. New co curricular credit based assessment system CCCBAS is now implemented from 2015-16. Honour code for students was introduced.

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
Strict attendance monitoring	Improved attendance in class rooms
Increased use of technology assisted learning (TAL)	Increased use of technology assisted learning (TAL)
Increase thrust on placements in core and high end companies	Placements in core and high end companies have increased
Introduce a new co curricular credit based assessment system.	Co curricular credit based system CCCBAS is now implemented from 2015-16
Increase summer / winter internship.	Increased internships to 50% of BE students.

\* 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 in Local Management Committee

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	0	0	0	0
UG	4	0	0	6
PG Diploma	0	0	0	0
Advanced Diploma	0	0	0	0
Diploma	0	0	0	0
Certificate	0	0	0	2
Others	0	0	0	0
<b>Total</b>	<b>4</b>			<b>8</b>
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 THIRD YEAR HAS BEEN DONE BY AFFILIATING UNIVERSITY.
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1.5 Any new Department/Centre introduced during the year. If yes, give details.

NO

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
65	50	12	02	1(Principal)

2.2 No. of permanent faculty with Ph.D.

07

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
17	-	2	5	0	3	1	-	20	08

2.4 No. of Guest and Visiting faculty and Temporary faculty

0      01      20

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	07	15	22
Presented papers	38	12	01
Resource Persons	2	04	05

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 QUIZ ES 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

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

06	06	10
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2.10 Average percentage of attendance of students

78
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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	59	61.40	21.05	5.26	5.26	92.97
BE IT	57	66.66	21.05	7.01	0	94.73
BE E&TC	120	45.83	37.51	10	0	93.33
BE MECH	59	23.00	67.0	4.91	0	94.91

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

Important policy decisions are taken at the GB(Governing Body), AAC(Academic Advisory Committee) and LMC (Local Management Committee ) which are important constituents of the 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, specially the employers are provided to students.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	19
UGC – Faculty Improvement Programme	-
HRD programmes	--
Orientation programmes	31
Faculty exchange programme	03
Staff training conducted by the university	21
Staff training conducted by other institutions	32
Summer / Winter schools, Workshops, etc.	41
Others	21



## 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	55	0	0	17
Technical Staff	20	0	0	21

## 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	-	-	-	1
Outlay in Rs. Lakhs	-	-	-	24

#### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	--	11	-	-
Outlay in Rs. Lakhs	--	18.96	--	--

#### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	21	0	0
Non-Peer Review Journals	00	02	0
e-Journals	07	0	0
Conference proceedings	21	09	01

#### 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	--	--	--	--
Minor Projects	-	BCUD, SPPU	-	-
Interdisciplinary Projects	--	--	--	--
Industry sponsored	--	--	--	--
Projects sponsored by the University/ College	2013-15	BCUD,SPPU	18.96 LAC	4.15 LACS
Students research projects <i>(other than compulsory by the University)</i>	--	--	--	--
Any other(Specify)	--	--	--	--
Total		--	18.96 LAC	4.15 LACS

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	<input type="text" value="--"/>	CAS	<input type="text" value="--"/>	DST-FIST	<input type="text" value="--"/>
DPE	<input type="text" value="--"/>			DBT Scheme/funds	<input type="text" value="--"/>

3.9 For colleges

Autonomy	<input type="text" value="--"/>	CPE	<input type="text" value="--"/>	DBT Star Scheme	<input type="text" value="--"/>
INSPIRE	<input type="text" value="--"/>	CE	<input type="text" value="--"/>	Any Other (specify)	<input type="text" value="SPPU"/>

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	01	01	--	--	--
Sponsoring agencies	SPPU	AIT	--	--	--

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	<input type="text" value="5.37"/>	From Management of University/College	<input type="text" value="8"/>
Total	<input type="text" value="13.37"/>		

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	03
	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
--	--	--	--	--	--	--

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

04

13

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

0

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  State level   
 National level  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  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

## 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	40	-	--	40
Seminar Halls	8	-	--	8
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	06	-	-	06
Value of the equipment purchased during the year (Rs. in Lakhs)	15.73	-	-	15.73
Others				

#### 4.2 Computerization of administration and library

LIBRARY HAS WIFI FOR CENTRAL AND DEPARTMENTAL LIBRARY, A SEPARATE DIGITAL SECTION, COMPUTERISED ISSUE OF BOOKS WITH RFID TAGS.

ADMINISTRATION : BIOMETRIC SYSTEM , COMPUTERISED PAYROLL.

#### 4.3 Library services:

	Existing till		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books and Reference Books	26,788	1,05,09,547	1619	6,72,495	28,407	1,11,82,042
e-Books	Annual access of McGraw Hill Books					1,52,045
Journals	66	2,56,882	08	37,500	74	1,96,067
e-Journals	719	15,70,192	18	17,13,471	737	17,13,471
Digital Database: CD & Video	1833	-	133	-	1966	-
Others (specify)NPTEL	110+129	-	214	-	324	1 Lac

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	533	15	175 mbps	02	01	39	494	
Added	94	02	2 mbps	-	--	06	88	central server
Total	627	17	177 mbps	02	01	45	582	--

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

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NETWORKING WORKSHOP ,WI-FI WORKSHOP , ISTE WORKSHOP, SUMMER INTERNSHIPS, CYBER SECURITY WORKSHOP, RATIONAL SUITE WORKSHOP, CLOUD COMPUTING WORKSHOP

4.6 Amount spent on maintenance in lakhs :

i) ICT

48.46 LACS

ii) Campus Infrastructure and facilities

143.4 LACS

iii) Equipments

168 LACS

iv) Others

3.74

**Total :**

363.6 LACS

## 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.

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.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1220	--	--	--

(b) No. of students outside the state 

1207
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(c) No. of international students 

00
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No	%
1043	85.5

Men

No	%
177	14.5

Women

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

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

Demand ratio 14:1 Dropout: 09 OUT OF 300 ( JOINED ARMED FORCES)

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

SSB coaching sessions
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No. of students beneficiaries 

120
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5.5 No. of students qualified in these examinations

NET	<table border="1"><tr><td>--</td></tr></table>	--	LET	<table border="1"><tr><td>--</td></tr></table>	--	GATE	<table border="1"><tr><td>18</td></tr></table>	18	CAT	<table border="1"><tr><td>-</td></tr></table>	-
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--											
18											
-											
IAS/IPS etc	<table border="1"><tr><td>--</td></tr></table>	--	State PSC	<table border="1"><tr><td>--</td></tr></table>	--	UPSC	<table border="1"><tr><td>--</td></tr></table>	--	Others	<table border="1"><tr><td>03</td></tr></table>	03
--											
--											
--											
03											

5.6 Details of student counselling and career guidance

1 TEACHER AS COUNSELOR PER 15 STUDENTS, PSYCHOLOGICAL COUNSELOR AVAILABLE IF REQUIRED IN FEW CASES, CAREER GUIDANCE BY TPO THROUGH GUEST LECTURES, AWARENESS PROGRAMS AND INDUSTRIAL VISITS. III CELL IS INVOLVED IN ENHANCING INTERNSHIPS, PLACEMENTS IN CORE INDUSTRIES AND SPONSORED PROJECTS.
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No. of students benefitted 

ALL
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### 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
74	270	249	11

### 5.8 Details of gender sensitization programmes

COUNSELLING BY TEACHERS.

### 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	73	5.5 LACS
Financial support from government	-	--
Financial support from other sources	357	130.2 LACS
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

- |                         |
|-------------------------|
| 01- BLOOD DONATION CAMP |
| 02- ORPHANAGE VISIT     |
| 03- TREE PLANTATION     |

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

## Criterion – VI

### 6. Governance, Leadership and Management

#### 6.1 State the Vision and Mission of the institution

<p>VISION:</p> <p>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.</p>
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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 MANAGEMENT, STUDENT INFORMATION SYSTEM (FOR PARENTS TO KEEP UP DATED WITH WARD'S PROGRESS/PERFORMANCE), PAYROLL AND LEAVE MANAGEMENT SYSTEM. ERP BEING IMPLEMENTED

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

6.3.1 Curriculum Development

AS PER THE AFFILIATING UNIVERSITY; SAVITRIBAI PHULE PUNE UNIVERSITY (SPPU) WITH POSSIBLE ADDITIONS.

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 AND WORKSHOPS ARE ARRANGED. 70% INDUSTRY SPONSORED PROJECTS AND INTERNSHIP 50%.

6.3.3 Examination and Evaluation

IN-SEM, OFFLINE , MIDSEM, OPEN BOOK, SURPRISE TESTS, ONLINE, MOCK ONLINE, MCQ

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.

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.

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

FEEDBACK FROM EMPLOYERS, INDUSTRIAL VISITS, COMPETITIONS TAKEN BY INDUSTRIES, COURSES OFFERED BY INDUSTRIES(WORKSHOPS, GUEST LECTURES ETC.). ACTIVITY BASED INTERNSHIP,

6.3.9 Admission of Students

BASED ON JEE MAIN RANK

6.4Welfare schemes for

Teaching	BEST TEACHER/BEST RESULT AWARDS
Non teaching	BEST NON-TEACHING STAFF AWARD
Students	SCHOLARSHIPS

6.5Total corpus fund generated

904.15 LACS

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.

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 2/3 YEARS TIME.

6.11 Activities and support from the Alumni Association

ANNUAL ALUMNI MEETS ARE HELD IN THE COLLEGE. IN ADDITION REGIONAL ALUMNI  
MEETS ARE HELD. THE ALUMNI PROVIDE GUIDANCE IN CONDUCTING PROJECT  
COMPETITIONS. THEY FUND THE BEST PROJECT AWARD, PROMOTE OPEN SOURCE  
SOFTWARE PROJECTS AND ASSIGNMENTS. THEY ARE INVOLVED IN RECRUITMENT,  
TRAINING, SPONSORSHIP OF PROJECTS AND INTERNSHIPS.

6.12 Activities and support from the Parent – Teacher Association

THE COLLEGE PROVIDES AND ON LINE FORUM FOR INTERACTING WITH THE PARENTS AS  
MOST OF THEM ARE ARMY PERSONNEL POSTED TO FAR OFF PLACES. THERE IS  
CONSTANT INTERACTION THROUGH COUNSELORS AND THE ADMINISTRATION IN PERSON  
OR TELEPHONICALLY.

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.

## 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.

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 now implemented from 2015-16

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, internships, club activities, project competitions and CCCBAS.

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

7.4 Contribution to environmental awareness / protection

SOLAR SYSTEM, NEW STP AND RECYCLED WATER FOR GREENING PROJECTS. 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**

1. TO IMPROVE RANKING SO AS TO BE IT IN THE TOP 50 ENGINEERING INSTITUTES IN THE COUNTRY.
2. FURTHER UTILIZATION OF NKN FOR GREATER INTERACTION WITH PREMIER INSTITUTE .
3. MORE FUNDED RESEARCH PROJECTS THROUGH UGC 2f & 12B.
4. ENHANCED III BY MORE SPONSORED PROJECTS AND INTERNSHIPS
5. COMMENCEMENT OF PG PROGRAMMES.
6. MORE CONSULTANCIES.

Name *Dr Sujata Marathe*

Name *Dr B P Patil*

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*Signature of the Coordinator, IQAC*

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*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

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## **ANNEXURE**

(Ref Criterion I 1.3)

### ANALYSIS OF FEEDBACK 2014-15

#### **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. No point in increasing UG courses. PG courses will help in enhancing R&D and consultancy.
2. Autonomy status under Pune University is must.
3. Departments should start talking to Professors at IITs and IISc for AIT students to work there during term breaks.
4. Faculty research can be achieved by signing MoU with IITs under Research Scheme.
5. More industry supported labs for the departments.
6. Mandatory project presentations for all students.
7. e-Magazine can be circulated amongst the alumni.
8. Articles from alumni to be published in AIT Magazine.
9. More thrust should be given to Alumni Chapter Meets in different cities.
10. More industrial visits by every dept (small groups).
11. Students should be encouraged to develop small projects which involve knowledge from core subjects.
12. Technical trainings on frame works like spring hybernet can be done.

#### **C) Feedback from Employers**

<b><u>Sr No</u></b>	<b><u>Points</u></b>	<b><u>High</u></b>	<b><u>Medium</u></b>	<b><u>Low</u></b>
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	1. Microcontrollers and Embedded Systems 2. C/ C++ Programming 3. Debugging Skills 4. Databases & SQL
Mechanical	1. Mechanics & Engineering Drawing 2. Materials and Manufacturing Processes. 3. Analysis Software like ANSYS 4. IC Engines
Computer/ IT	1. Organizing code into modules 2. OOPs Concepts 3. Databases 4. Cloud Adoption

#### **D) Feedback from Parents**

Majority of the parents (above 90%) are satisfied with the standard of discipline maintained at the college. Parents pointed out some specific areas for improvement like :

##### Academic

- Students need to be updated with latest trends in the industry.
- Regular interaction of parents with teachers.
- More internships for students

##### Administrative

- Water supply in hostels to be improved
- Hostel housekeeping needs to be improved
- Mobile phone range needs to be improved
- Website accession is sometimes a problem