

Part – A

1.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(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 2015-16.pdf](http://www.aitpune.com/Documents/AQAR%202015-16.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)

2015-16

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__ 2014-15__ submitted on 04/12/2015__ (DD/MM/YYYY)
- ii. AQAR__ 2013-14__ submitted on 24/12/2014__ (DD/MM/YYYY)
- iii. AQAR__ 2012-13__ submitted on 10/12/2013__ (DD/MM/YYYY)
- iv. AQAR__ 2011-12__ submitted on 24/12/2012__ (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

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

Signal and Data processing

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.

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
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

Provide the details of the action taken

Actions being taken on improving results, placements, value added courses, ICT and e learning, infrastructure up gradation and research and consultancy were discussed.

Part – B

Criterion – I

1. 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 HAS BEEN DONE BY AFFILIATING UNIVERSITY.

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
71	56	12	03	

2.2 No. of permanent faculty with Ph.D.

09

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
18	-	-	-	-	-	-	-	-	18

2.4 No. of Guest and Visiting faculty and Temporary faculty

0 0 18

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	64	07	07
Presented papers	45	12	07
Resource Persons	-	01	10

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

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:

2.10 Average percentage of attendance of students

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	51.56	37.50	1.56	0	90.62
BE IT	62	56.45	33.87	3.22	0	93.54
BE E&TC	129	60.46	29.45	2.32	0	92.24
BE MECH	61	68.85	24.59	4.91	0	98.36

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	15
UGC – Faculty Improvement Programme	0
HRD programmes	3
Orientation programmes	55
Faculty exchange programme	0
Staff training conducted by the university	64
Staff training conducted by other institutions	55
Summer / Winter schools, Workshops, etc.	68
Others	14

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	51	0	0	18
Technical Staff	21	0	0	22

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	-	14.5	-	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	7	5	-	3
Outlay in Rs. Lakhs	9.1	8	--	11.2

3.4 Details on research publications

	International	National	Others
Peer Review Journals	67	01	0
Non-Peer Review Journals	39	01	0
e-Journals	23	0	0
Conference proceedings	9	12	5

3.5 Details on Impact factor of publications:

Range .4-5.33 Average 5.4 h-index 3 - 8 Nos. in SCOPUS 3-8

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	2015-18	SERB, New Delhi	14.5 lakh	6.03 lakh
Minor Projects	-	-	-	-
Interdisciplinary Projects	--	--	--	--
Industry sponsored	--	--	--	--
Projects sponsored by the University/ College	2013-16	BCUD,SPPU	11.2 lakh	2.5 lakh
Students research projects <i>(other than compulsory by the University)</i>	--	--	--	--
Any other(Specify)	--	--	--	--
Total		--	25.7 lakh	8.53 lakh

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		04	--	01	--
Sponsoring agencies		AIT	--	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 From Management of University/College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	13
	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

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 State level
National level International level

*College 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	<input type="text"/>	State level	<input type="text"/>
National level	<input type="text"/>	International level	<input type="text"/>

3.25 No. of Extension activities organized

University forum	<input type="text" value="--"/>	College forum	<input type="text" value="25"/>
NCC	<input type="text" value="--"/>	NSS	<input type="text" value="11"/>
		Any other	<input type="text" value="--"/>

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

- BLOOD DONATION CAMPS
- ORPHANAGE VISITS
- TREE PLANTATION
- AWARNESS 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	40	2	--	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	24242	86,60,157	1300	4,97,595	25542	91,57,752
Reference Books	4238	25,21,865	100	1,29,702	4338	26,51,567
e-Books	Annual Access of McGraw Hill E- Books					1,74,401
Journals	74	1,96,067	01	---	75	2,55,238
e-Journals	737	18,65,516	03	---	740	18,17,459
Digital Database						
CD & Video	1966			10	1976	
Others (specify)						1,00,000
NPTEL						
Videos –	324					
Web Courses:-	129					

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	451	15	157 mbps	06	03	1	1	-
Added	32	04	100 mbps	-	--			3
Total	483	19	257mbps	6	3	1	1	3

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

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	36.32 LACS
ii) Campus Infrastructure and facilities	78.32 LACS
iii) Equipments	3.76 lacs
iv) Others	-
Total :	118.4

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
1213	18	--	--

(b) No. of students outside the state

1213

(c) No. of international students

00

No	%
1036	85.4

Men

No	%
177	14.6

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 12:1 Dropout: 11 OUT OF 302 (Due to admission obtained to NDA/TES for Army commissioning)

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

Nil

No. of students beneficiaries

5.5 No. of students qualified in these examinations

NET -- LET -- GATE 7 CAT 30
 IAS/IPS etc -- State PSC -- UPSC -- Others 02

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.

No. of students benefitted

ALL

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
80	291	277	0

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

06

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	76	5.5 lakhs
Financial support from government	-	--
Financial support from other sources	380	144.7726 lakhs
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 – nil; 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 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

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.

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. 70% INDUSTRY SPONSORED PROJECTS AND INTERNSHIP 50%.

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.

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

MoUs, Campus Connect, Campus Recruitment, sponsored labs, technical sessions, summer and winter internships, sponsored projects, scholarship initiatives, innovation/ coding competitions.

6.3.9 Admission of Students

BASED ON JEE MAIN RANK

6.4 Welfare schemes for

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

6.5 Total corpus fund generated

951.14 lakhs

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
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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 Meet, Regional Meet, Value Add Sessions, Sponsorship for project competitions, internship opportunities.

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 two PTMs were conducted on 07 Aug. 2015 and 27 Feb 2016 (feedback attached in Annexure)

6.13 Development programmes for support staff

BEING ARRANGED THROUGH INSIDE /OUTSIDE AGENCIES. Total 13

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. A number of patents filed.

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
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.
Swachh 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

Increase intake of Computer Branch

Acquire an ERP system

Smart Identity cards to be issued to all students

Construction of SUPRA/BAJA Lab

Establish E Yantra Robotics Lab (In collaboration with IIT B)

Establish 3DPLM Innovation Lab

Establish 2 new labs for Computer Engg Dept

Construction of Ladies Common Room

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 2015-16

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 Technology2. Java certification3. Unix/Linux certification4. IoT
Mechanical	<ol style="list-style-type: none">1. Process Engineering2. “Lean” thinking tools like 5”S”.3. CFD software4. CAD Design
Computer/ IT	<ol style="list-style-type: none">1. Modern languages like Ruby, Python, Clojure2. S/W Architecture and Design3. Cloud Computing4. Info Security and Hackathon.

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 required.
- More internships for students
- First year students should be sent to study hall in the evenings.

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
- Water filters need to be properly maintained.