



# ANNUAL QUALITY ASSURANCE REPORT



**2016 - 17**

---

**IQAC**

Jaypee Institute of Information Technology  
Noida

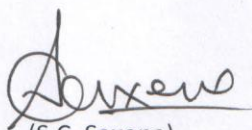
## PREFACE

I am happy to present the Annual Quality Assurance Report (AQAR) of the academic year (AY) 2016-17. JIIT has established Institute Quality Assurance Cell (IQAC) in July 2014 with the aim to develop quality metrics in all the administrative and academic processes. It was perceived that quality metrics will forge the need for self quality audit and thereby improve the quality in academics, research as well as in administration.

The IQAC has successfully generated the quality consciousness in all the organs of the Institute. We have not only established quality metrics but also led pathway for quality audit through feedback collection and analysis. The first report for AY 2014-15 was prepared after considerably deliberation in the beginning of the next AY 2015-16 and subsequently the report for the year 2015-16 was prepared to have deliberation in the AY 2016-17. In due course of time many processes regarding report preparation, like data collection and data analysis, have been streamlined.

The recommendations of the AQAR 2015-16 have been considered and action taken reviewed. Significant progress has been attained in most of the recommendations. The IQAC is analyzing the data based on the feedback received from the stake holders, teaching and learning outcome, research contributions, professional activities of the faculty and the placements. In last two consecutive years 2015-16 and 2016-17, IQAC has audited all the academic departments and corresponding recommendations have been proposed for the action to take place. In addition, the audit of non-teaching departments has been carried out in the AY 2016-17 and recommendations have been proposed for further action.

The Departments will take appropriate action for implementation of the recommendations in phases with participation of all concerned. Quality improvement is a culture building exercise and can't be leap forging results. We shall endeavour to make distinct progress in each section and at each stage, perform introspection and mid course correction.



(S.C. Saxena)  
Vice Chancellor  
6<sup>th</sup> Nov. 2017

## TABLE OF CONTENTS

Volume	Content	Page No.
1	<b>PART-A</b>	1 - 9
	1. Details of the Institution	1
	2. IQAC Composition and Activities	3
	<b>PART-B</b>	9 - 55
	<b>Criterion-I</b>	
	1. Curricular Aspects	9
	<b>Criterion-II</b>	
	2. Teaching, Learning and Evaluation	12
	<b>Criterion-III</b>	
	3. Research, Consultancy and Extension	18
	<b>Criterion-IV</b>	
	4. Infrastructure and Learning Resources	29
	<b>Criterion-V</b>	
	5. Student Support and Progression	32
	<b>Criterion-VI</b>	
	6. Governance, Leadership and Management	43
	<b>Criterion-VII</b>	
	7. Innovation and Best practices	51
	8. Plans of Institution for Next Year	53
	<i>Annexure-I</i>	
	(IQAC Academic Calendar of the year 2015-16)	56
	<i>Annexure-II</i>	
	(Summary, Observations and Recommendations - AQAR 2014-15 and Actions taken Report)	58

### Committee for Institute Quality Assurance Cell (CIQAC)

The committee is responsible for ensuring the implementation of Institute Quality Assurance Process (IQAP) and quality auditing of academic and administrative activities. The committee through its Convener reports regularly to Chairman, Academic Council (VC). Following is the Constitution of Committee:

S. No.	Name	Department	Phone No.
i	Prof. Hari Om Gupta, Convener	Director	9582899128
ii	Prof. Krishna Gopal	Dean (A&R)	9654231334
iii	Prof. R.K. Dwivedi	PMSE	9971286625
iv	Prof. Krishna Sundari	Biotech	9910345794
v	Prof. Rajnish K Mishra	JBS	9560206629
vi	Prof. Amrish Aggarwal	Maths	99583 35676
vii	Dr. Vikas Saxena	CSE/IT	9818958936
viii	Dr. Vikram Karwal	ECE	9717652233
ix	Dr. Mukta Mani	HSS	9899112913
x	Dr. Monali Bhattacharya	HSS	8800989521
xi	Dr. Manish K Thakur	CSE/IT	9953280244
xii	Dr. Neetu Sardana	CSE/IT	98113 54407
xiii	Dr. Swati Rawal	PMSE	99680 99472
xiv	Dr Debdeep De	JBS	98994 25506
xv	Dr. Pankaj Yadav	ECE	8700977638
xvi	Registrar	JIIT	9818122700
xvii	Dr. Subhash Joshi	Social Worker, C409, Rajhans Tower, Ahinsa Khand, Indrapuram, Ghaziabad (UP)	9711061199
xviii	Mr. Rakesh Khurana	CEO, Motherson Sumi, C-26, Sector-62, Noida (UP)	9810292968
xix	Ms. Tuhina Jain	Talent Partner, Adobe, Noida (Alumni)	9582804475

**Jaypee Institute of Information Technology, Noida**

**Part – A**

**I. Details of the Institution**

1.1 Name of the Institution	Jaypee Institute of Information Technology (Deemed-to-be-University u/s 3 of UGC Act 1956)
1.2 Address Line 1	A-10
Address Line 2	Sector-62
City/Town	Noida
State	Uttar Pradesh
Pin Code	201309
Institution e-mail address	webadmin@jiit.ac.in
Contact Nos.	0120-2400907 (Registrar), 0120-4195806 (IQAC Co-ordinator)
Name of the Head of the Institution:	Prof. S C Saxena
Tel. No. with STD Code:	O: 0120-2594105 R: 0120-2594418
Mobile:	7838189999
Name of the IQAC Co-ordinator:	Prof. H O Gupta
Mobile:	9582899128

IQAC e-mail address:

hariom.gupta@jiit.ac.in

1.3 NAAC Track ID (For ex. MHCogn 18879)

UPUNGN 11440

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/71/A&A/26.1 dated 16-11-2015

1.5 Website address:

www.jiit.ac.in

Web-link of the AQAR:

http://www.jiit.ac.in/iqac

1.6 Accreditation Details:

Accreditation to NAAC

The undergraduate programmes of the Institute were accredited by the NBA on 21/01/2008.

1.7 Date of Establishment of IQAC: DD/MM/YYYY

July 2014, started working on 20.08.2014

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

2016-17

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011) : **25.10.2016**

1.10 Institutional Status: University under Section 3 of UGC

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

☐

(e.g. AICTE, BCI, MCI, PCI, NCI)

Type of Institution	Co-education	<input checked="" type="checkbox"/>	Men	<input type="checkbox"/>	Women	<input type="checkbox"/>
	Urban	<input checked="" type="checkbox"/>	Rural	<input type="checkbox"/>	Tribal	<input type="checkbox"/>
Financial Status	Grant-in-aid	<input type="checkbox"/>	UGC 2(f)	<input type="checkbox"/>	UGC 12B	<input type="checkbox"/>
	Grant-in-aid + Self Financing	<input type="checkbox"/>	Totally Self-financing	<input checked="" type="checkbox"/>		

#### 1.11 Type of Faculty/Programme

Arts	<input type="checkbox"/>	Science	<input checked="" type="checkbox"/>	Commerce	<input type="checkbox"/>	Law	<input type="checkbox"/>	PEI (Phys Edu)	<input type="checkbox"/>
TEI (Edu)	<input type="checkbox"/>	Engineering	<input checked="" type="checkbox"/>	Health Science	<input type="checkbox"/>	Management	<input checked="" type="checkbox"/>		
Others (Specify)	<input checked="" type="checkbox"/>			Humanities and Social Sciences					

1.12 Name of the Affiliating University (*for the Colleges*) Not Applicable

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	<input type="text" value="14"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="01"/>
2.3 No. of students	<input type="text" value="-"/>



2.4 No. of Management representatives	01
2.5 No. of Alumni	01
2. 6 No. of any other stakeholder and community representatives	01
2.7 No. of Employers/ Industrialists	01
2.8 No. of other External Experts	-
2.9 Total No. of members	19
2.10 No. of IQAC meetings held	15

11.04.2017 at 3.30 p.m.	Meeting with IQAC members Chaired by VC, in VC Conference room
12.04.2017 at 3.30 p.m.	Meeting chaired by Convener IQAC, in VC Conference Room
20.04.2017 at 12.00 Noon	27.04.2017 at 11.30 a.m.
04.05.2017 at 3.30 p.m.	08.05.2017 at 3.30 p.m.
10.05.2017 at 12:00 Noon	12.05.2017 at 11:00 a.m.
Meeting chaired by Convener IQAC, with teaching and non-teaching staff in VC Conference Room	
17.05.2017 at 11:00 a.m.	Non-teaching staff (Account, IT, ERP Administration, Registry Labs and LRC)
06.06.2017 at 04:00 p.m.	Subcommittee members IQAC with ERP
08.06.2017 at 03:00 p.m.	Meeting with non-teaching (Account, Administration, Registry Labs and LRC)
05.07.2017 at 04:00 p.m.	With Heads and Audit Committee members of Non-Teaching Departments
18.07.2017 at 05:00 p.m.	With IQAC sub-committee members
18.09.2017 at 11:00 a.m.	With conveners of subcommittee and students
29.09.2017 at 03:00 p.m.	

2.11 No. of meetings with various stakeholders: No.  Faculty   
Non-Teaching Staff  Students  Alumni  Others   
\*With Head of Departments

Feedback mechanism (ON-LINE and OFF-LINE) is designed by IQAC to interact with stakeholders (students, faculty, non-teaching staff, and alumni) through its various subcommittees i.e., Academic (Teaching and Learning), Academic Research, Stakeholder Relationship, and Professional and Social Activities to audit the performance of programmes, departments, centres and administration.

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 IQAC

Total Nos.  International  National  State  Institution Level

Academic development programmes are organized regularly by the Institute.

(ii) Themes

Patent and IPR Awareness, Pedagogy, Effective Teaching

The list of such programmes organized on themes of common interests of teaching faculty during academic session 2016-17 is given below:

Name of the programme	Date
FDP on Communication Engineering: Recent Trends	Jul. 11-16, 2016
FDP on Enhancement of Research Abilities for Capacity Building of New-age Researchers	Jul. 16-21, 2016
FDP on "Research, Innovation, and Engineering in Computer Science: Issues and Approaches	July 18-23, 2016
Faculty Development Program on Continuum Mechanics and Applications	Jul. 18-23, 2016
Faculty development program on Recent advances in diagnostics and therapeutics	Jul. 18-23, 2016
Faculty development program on State-of-the-Art: Communications, Circuits and Intelligent Systems	Jul. 18-23, 2016
Faculty Development Program On Physics: Industrial Applications	Jul. 19-25, 2016
National Workshop on "Research Paper Writing and Publishing	Jul. 29-30, 2016
Workshop on "Entrepreneurship Skills	Aug.11-13, 2016
Workshop on "Entrepreneurship Skills	Aug. 22-23, 2016
One day training programme on "COMSOL Multiphysics and Application Builder Workshop"	Aug.31, 2016
National Workshop on Big Data Analytics and Visualization	Sept.5-7, 2016
Seminar on Forms and Experimentations in Contemporary Literature	Nov.11-12, 2016
International Conference on Recent Advances in Mathematical Sciences and its Applications (RAMSA-2016)	Dec.8-10, 2016
Workshop on "Startup skills - New oportunities, New skills	Dec.10, 2016
International Conference on Signal Processing and Communication	Dec.26-28, 2016
Two-week ISTE STTP on CMOS, Mixed Signal and Radio frequency VLSI Design	Jan.30-Feb.4, 2017
International Conference on Advances in Plant & Microbial Biotechnology	Feb.2-4, 2017
One-day Workshop on Photooptics	Mar.9, 2017

National Workshop on Wireless Sensor Network	Mar.16-18, 2017
NITTR (Online) Short Term Course - Multimedia Tools and Its Utilities	Mar.23-31, 2017
One-day Workshop on “Nuclear Physics and its Applications	Mar.25, 2017
International Conference on Peaceful and Prosperous South Asia-Opportunities and Challenges	Mar.25 - 27, 2017
Workshop on Recent Trends in Mathematical Modelling and Scientific Computing	April 7-8, 2017
Workshop on Internet of Things (IoT)	April 19-20, 2017
Cyber Srishti 2017,	April 22-23, 2017
FDP on Information System Frontiers	Jun. 5-10, 2017
Competency Development Programme on Business research & analytics	Jun. 19-24, 2017

#### 2.14 Significant Activities and contributions made by IQAC

The Institute Quality Assurance Cell (IQAC) was established in July 2014. The first report AQAR (Annual Quality Assurance Report) 2015 was available in July 2015. It was sent to all Academic Heads of Departments of the Institute. The recommendations and possible action points were also discussed in IAMC (Institute Academic Management Committee) meeting. The same process was followed this year as well.

IQAC aims to audit and contribute towards improvement of the quality in academics, research as well as administrative processes at JIIT. The IQAC is responsible for the day to day quality assurance of the institute through its quality assurance processes. It interacts and works with Dean(s), academic units (departments/centres/research groups) for new programmes approval and cyclic programmes/courses reviews and also support the implementation of review outcomes. IQAC is also responsible for auditing academic activities and utilization of the Institute resources.

The committee through its sub-committees oversees the following activities of the academic units:

##### ***Academic (Teaching and Learning):***

- Development of expected outcomes and outputs of different programs considering national and international scenario.
- Overseeing the development, establishment and revision of learning objectives and outcomes of different courses and programmes.
- Overseeing the teaching learning resources and experiences of the students and the faculty members in theory and laboratory classes.
- Ensuring the course coverage and the execution of the laid down evaluation processes.

***Academic (Research):*** To ensure that the academic research objectives of the Institute are being met in the academic research activities through Publications, Sponsored R&D projects, Master and Ph.D. degrees, Patents, Individual achievements/awards, Review articles and books in developing areas and Interdisciplinary Research. For this, MOU has been signed between NRDC, New Delhi and JIIT, Noida on Jun. 6, 2016.

***Stakeholder Relationship:*** To oversee and analyse the feedback from external and internal stakeholders like Employers & Industry, Parents, Alumni, Students, Faculty members, non-teaching staff and trustees of the institute, about the Academics, Research, Infrastructure, facilities and other activities of JIIT.

**Professional and Social Activities:** To oversee the quality of Professional activities like Consultancy, Professional and special courses/workshops, Conferences, Industrial Interactions and Social activities.

**Students Activities and Placement:** This committee oversees student extension, extracurricular and placement related activities, particularly in reference with: Organization of extension activities, progression of student, Student counselling and career guidance, Campus and off campus placement, Student's participation in sports, games and other events and Social initiatives undertaken by the students. The data and feedback information related to all such activities was collected by the subcommittee in prescribed format and analysed to prepare reports and recommendations.

## 2.15 Plan of Action by IQAC/Outcome

The plan of action is chalked out by the IQAC in the beginning of the year towards quality enhancement and intended outcomes to be achieved by the end of the year

Plan of Action	Achievements
The five subcommittees of IQAC developed their action plans in the beginning of the year, on the basis of objectives led down by each of the subcommittees. Following is the action taken report on recommendations of AQAR 2015-16 report. The outcome is evident in AQAR 2016-17.	
<b>Academic (Teaching and Learning) Subcommittee</b> 1. To analyze the feedback of various teaching and learning components: <ul style="list-style-type: none"> <li>• Student feedback of theory and laboratory courses</li> <li>• Faculty feedback about the courses taught</li> <li>• Feedback on use of equipments/software</li> <li>• Feedback on learning resources</li> </ul> 2. To oversee the feedback of students and their expectations from the program/course. 3. To oversee the feedback of faculty in carrying out lecture/lab. classes considering learner centric concept and outcomes of the program/course.	Class size has been reduced to stimulate the interactive learning atmosphere in the class room teaching. Project based learning programmes with new courses have been introduced in three semesters giving a total weightage of 8 credits in the revised curricula of M.Tech. Programme. A number of Value Added Courses have been added and new softwares have been introduced to enrich the practical and learning facilities. New Labs with state of art infrastructure have been established like the Language Lab having 6 different software, research and PG labs in ECE and CSE departments.
<b>Academic Research Subcommittee</b> To develop forms for collecting the following information- <ul style="list-style-type: none"> <li>• Summary of Publications</li> <li>• Sponsored R&amp;D Projects</li> <li>• Master and Ph.D. Degrees</li> <li>• Patent Registered by IIIT Faculty/Students</li> <li>• Awards &amp; Achievements</li> <li>• B.Tech Major Project</li> <li>• Summary of Review articles and Books in Developing areas.</li> <li>• Interdisciplinary Research</li> <li>• Data collection and analysis</li> </ul>	The Ph.D admission frequency has been increased with admissions being done twice now in every academic year. This year has witnessed 48 admissions in Ph.D. as against 23 last year.  The faculty actively participating in Institutional enrichment programmes like filing of patents, getting externally funded projects or coordinating events like International Conferences are being regularly reported to the management and duly acknowledged by the authorities in a positive manner.

<p><b>Stakeholder Relationship Subcommittee</b> To develop feedback forms for various internal and external stakeholders.</p> <ul style="list-style-type: none"> <li>• Faculty feedback form</li> <li>• Trustee feedback form</li> <li>• Non-teaching feedback form</li> <li>• Student feedback on undergraduate /post graduate education experience acquired from JIIT</li> <li>• Corporate feedback form</li> <li>• Parents feedback form</li> <li>• Alumni feedback form</li> </ul>	<p>Based on the recommendation of faculty feedbacks and other stakeholders, class strength has been reduced to enhance class attention.</p> <p>A few elective courses have been developed and taught in tie up with industry. Parents feedback has also been taken into consideration for further improvement in teaching and learning process.</p>
<p><b>Professional and Social Activities Subcommittee</b> To develop proformas for collecting data regarding Consulting Process Mapping, Professional and Special courses/workshops, Conference, Industrial Interactions and Social Activities.</p>	<p>Each and every department has organized workshops, FDPs and at least one International Conference this year and at least one national seminar /workshop /symposia in this academic year. A number of Value Added Courses have also been added this year.</p> <p>The Social activity group of JIIT at Sector-128 has come up with a mission to assist children of economically weaker sections by imparting them basic education and general awareness through various means and resources provided by the Institute itself.</p>
<p><b>Students activities and placement</b> To develop proformas for collecting data/feedback online/offline regarding various activities carried out by the hubs/departments. Student's participation out of the Institute and placement data is also collected and report is made. Based on the report, recommendations are made.</p>	<p>JIIT has a student body, named as JYC (Jaypee Youth Club) that believes in the overall developments of the students and continuously strives to provide a nurturing climate and a trusting environment. In the campus of JIIT, 17 different hubs actively catering to student's extracurricular appetite are broadly grouped under the categories like Literary Arts, Performing Arts, Technical and Non -technical Hubs, and Visual Arts etc. The events can be seen in details under criterion.3.25.</p>

*\* Attach the Academic Calendar of the year as Annexure. Pl. See Annexure-i*

2.16 Whether the AQAR was placed in statutory body      Yes ☒ No ☐

Management ☐ Syndicate ☐ Any other body\* ☒

\*Academic Council

Provide the details of the action taken: Provided at the end of the report.

#### 2.17 Other Information

For the internal audit of all seven academic departments, following committees are constituted and the internal audit of the entire departments has been completed. The scores and recommendations are given to IQAC and being reviewed by a Institute level committee of Deans and NAAC coordinators.

1. Professor Krishna Gopal (Dean, A&R)
2. Prof. Padam Kumar (Dean, RID)
3. Prof. Alka Tripathi (HOD, Maths)
4. Prof. D.K. Rai (HOD, PMSE)

The audit reports will also be kept before the IAMC and will be reported to the Academic Committee.

## Part – B

### Criterion – I

#### I. Curricular Aspects

##### 1.1 Details about Academic Programmes

Level of the Programme	Number of Programmes (2015-16)	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	7	Nil	7	7
PG	11	Nil	11	11
Integrated Masters	3	Nil	3	3
UG	4	Nil	4	4
<b>Total</b>	<b>25</b>	<b>Nil</b>	<b>25</b>	<b>25</b>
Interdisciplinary	02	Nil	02	02
Innovative	Nil	Nil	Nil	Nil

List of various academic programmes offered is given below.

Programmes	Number	List of academic programmes
UG	4	<ol style="list-style-type: none"> <li>1. B. Tech. in Computer Science &amp; Engineering (CSE)</li> <li>2. B. Tech. in Information Technology (IT)</li> <li>3. B. Tech. in Electronics &amp; Communication Engineering (ECE)</li> <li>4. B. Tech. in Biotechnology</li> </ol>
PG	11	<ol style="list-style-type: none"> <li>1. M. Tech. in CSE</li> <li>2. M. Tech. in CSE with specialization in Information Security</li> <li>3. M. Tech. in CSE with specialization in Mobile Technology (MT)</li> <li>4. M. Tech. in CSE with specialization in Data Analytics (DA)</li> <li>5. M. Tech. in IT &amp; Entrepreneurship (IT &amp; E)</li> <li>6. M. Tech. in ECE with specialization in Microelectronics and Embedded Technology (MET)</li> <li>7. M. Tech. in ECE with specialization in Communication Systems (CS)</li> <li>8. M. Tech. in Applied and Computational Mathematics (ACM)</li> <li>9. M. Tech. in Materials Science and Engineering (PMSE)</li> <li>10. M. Tech. in Biotechnology</li> <li>11. Master of Business Administration (MBA)</li> </ol>
Integrated Masters	3	5-year DD B. Tech. – M. Tech. (renamed as integrated M. Tech. w.e.f. 2015-16) in: <ol style="list-style-type: none"> <li>1. CSE</li> <li>2. ECE</li> </ol>

		3. Biotechnology
M.Phil	Nil	
Ph.D.	7	1. Ph.D. Programme in CSE 2. Ph.D. Programme in ECE 3. Ph.D. Programme in Biotechnology 4. Ph.D. Programme in PMSE 5. Ph.D. Programme in Mathematics 6. Ph.D. Programme in Humanities and Social Sciences (HSS) 7. Ph.D. Programme in Management
<b>Total</b>	<b>25</b>	

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

All Programmes offered by JIIT follow choice based credit system with facility of credit carry and transfer with a good number of elective courses ranging from 20% to 50% of total curriculum requirement.

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	24
Trimester	01
Annual	Nil

1.3 Feedback from stakeholders\* Alumni ☒ Parents ☒ Employers ☐ Students ☒  
(On all aspects)

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

*\*Please provide an analysis of the feedback in the Annexure: Observations and recommendations of IQAC are attached as Annexure-ii*

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

The curriculum structure of M. Tech. and MBA programmes of the Institute have been revised with the approval of Academic Council in 2013 and 2014, respectively. B. Tech. programs have been revised for implementation with effect from 2015-16.

Salient aspects of revision are summarised below.

Minor adjustments/ alterations in course contents are taken up on yearly basis taking into account the feedback from students and faculty as well as contemporary developments.

New electives in emerging areas are added almost every semester / trimester after due approvals and less popular elective courses are dropped or revised after due internal review. A representative list of elective courses added in the academic year 2016-17 is given below.

- Computational Continuum Mechanics
- Transforms and Differential Equations
- Statistics
- Operations Research
- Applied Mathematical Methods
- Computational Physics



- Solid State Electronic Devices
- Photovoltaic Techniques
- Applied Statistical Mechanics
- Analytical Techniques for Materials
- Medical and Industrial Applications of Nuclear Radiations
- Green Energy and Climate Modeling
- Applied Numerical Methods
- Time and Frequency Analysis
- Data Compression Algorithms
- Chaos Theory and Applications
- Epigenetics
- High Performance Web Applications
- Virtual Reality
- High performance Data Analysis
- Discrete Mathematics
- Finite Element Methods
- Matrix Computations
- Networks of Life
- Quantum Mechanics for Engineers
- Materials Science
- Laser Technology and Applications
- Bio-Materials Science
- Nuclear Science and Engineering
- German (language)
- French (language)
- Spanish ( language)
- Phytotherapeutics and Pharmacology
- Network and Mobile Forensics
- Evolutionary Computing and Data Mining
- Security in HCI
- Evolutionary Computing and Data Mining
- Low Power Mixed Signal ICs
- Estimation over Distributed Networks
- Social and Legal issues
- Quantative Methods for Social Science
- Ethics and Corporate Governance
- Sociology for Youth
- Planning and Economic Development
- Glycobiology and Informatics
- Waste Management
- Theory of Numbers
- Essentials of VLSI Testing
- Antenna Theory & Wave Propagation
- Technology & Governance
- Indian Society & Culture

A representative list of the enrichment courses included in MBA curriculum is as following.  
No new courses were added in MBA Program in Academic year 2016-17. The value added courses have been designed and are offered in the academic year 2016-17.

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
255	206	27	22	Nil

2.2 No. of permanent faculty with Ph.D.

157*
------

\*Includes Deans, VC & Director.

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*	23	1	68	0	23	Nil	Nil	18	114

\* Grade-I/Grade-II/Sr.Grade

2.4 No. of Guest and Visiting faculty and Temporary faculty

Guest Faculty: 02	Visiting Faculty: 03	Temporary Faculty: 04
-------------------	----------------------	-----------------------

2.5 Faculty participation in conferences and symposia\* :

No. of Faculty	International level	National level	State level
Attended	149	318	13
Presented papers	157	5	1
Resource Persons	27	22	3

\*Other than conferences and symposia organised by JIIT.

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

Institute follows student centric and innovative practices for teaching. Some of these practices followed by faculty are:

- Interactive Lecture using various aids e.g., Black/White board, Computer representation, Visualizer, etc.
- Tutorials and Assignments
- Laboratories
- Project based learning (Mini, Minor and Major Projects)
- Industrial internship
- Collaborative Teaching and Learning
- Cooperative Learning: Group Investigations and Projects
- Educational videos
- Group discussions/group exercises
- Live projects
- Poster presentation
- Socratic Method

- Team teaching
- Cross-level peer mentoring
- Partially Flipped Classroom and Guided Reading
- Report writing and Seminars
- Textbook assignments, Reading assignments from journals, monographs, etc. Projection of ideas through creative activities, such as, making posters and activities that have relevance and application in real contexts
- Innovation and Technical competitions, and large group Hackathons
- Participation in Conference, Guest lectures, and industry conducted workshops
- 24x7 academic connectivity of faculty with class using social media and other web services
- Use of online educational resources as supplements
- Regular organisation of various technical events related to programming, robotics, multimedia, game design, web design, etc., comprehensive IT symposium- Cyber Srishti.

The impact of all these practices have been positive as evidenced from students feedback and acceptance with enthusiasm. Learning attainments in all these methods have been above average.

2.7 Total No. of actual teaching days during this academic year 191

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

The existing examination/Evaluation reforms are summarised below.

The Institute has always been open to reforms in evaluation/ examination process to achieve transparency, timeliness, objectivity and fairness in evaluation, student satisfaction etc. Some progressive examination related practices being followed are:

- As presented in earlier reports too, an academic calendar is issued every year in March/April before commencement of the academic year in July. The calendar is strictly followed and changes are not permitted in it unless some unforeseen/unavoidable circumstances develop. The results of all programmes are announced on schedule as per the academic calendar. In addition, the grade sheets are issued to the students at the end of each semester / trimester and programme respectively.
- The students are invited to see their answer books of a written examination after the teacher has evaluated the answer scripts. They are free to put forward their arguments to the teacher wherever there is a disagreement. The teacher takes appropriate action as per merit of the case. Final result is prepared only after this exercise.
- The results and grades are discussed and moderated at the level of Department as well as institution for commonality and uniformity. Before finalizing the result, the provisional grades are displayed on the institutional notice boards and students are provided an opportunity to point out discrepancy, if any. The student is given every chance to seek redressal for any examination related grievances.
- Whenever a course is taught by more than one faculty member, all the members are involved in question paper setting, evaluation and grade calculation to maintain uniformity across batches.
- There is a system of question paper moderation so that the quality of question papers can be monitored and corrected if necessary. Dean (A&R) has issued well documented guidelines for question paper setting for both closed-book and open-book type of examinations. These guidelines give distribution of questions and type of questions to be set to emphasise higher level of learning.

- At the end of semester, while maintaining course file, CSE & IT dept maps all questions in all examinations paper with blooms taxonomy.
- Before the announcement of T1 examination, HOD ask faculty to report who want to have open book examination as then in all such courses, the controller of examination ensures the seat allocation plan favouring the conduct of such examination smoothly. Generally in a room, if a open book exam is being conducted, no other paper is schedule for the sake of effective invigilation.
- In All examinations, HOD and other senior professors are appointed as Flying squad members, who take round in all rooms and submit a report. This is being done in all exam time slots and in all examinations
- Variations in normal examination system in some subjects are permitted by VC and chairman, Academic Council on the request of the teacher(s).

2.9 No. of faculty members involved in curriculum

All

restructuring/revision/syllabus development

as member of Board of Study/Faculty/Curriculum Development workshop

Number of faculty members in BOS of various departments: 58

Number of faculty members in Academic Council of Institute: 29

The Institute has a well established process for design and updating of curriculum. Curriculum design or updating takes into account feedback and experience of students, faculty, alumni, industry, and experts from other institutes, requirement of professional bodies like IEEE, ACM, NASSCOM, CII, etc., as also the curriculum in vogue at nationally important Institutes like IITs, IISc, IIITs, IIMs, etc. The courses/curricula are designed at the departmental/ Institute level, and the process followed is as under:

Inputs from all the sources mentioned above are taken into account and discussed in various committees at departmental and institutional levels. These committees have invited-experts as members in addition to the faculty of the Institute. The recommendations of these committees are then placed before the Board of Studies (BOS) which comprises all Deans, all HoDs, selected departmental faculty and external experts. Sometimes prior to designing courses and curriculum, workshops are held with participation from industry and other institutions in addition to Institute's faculty. Recommendations of BOS are placed before the Academic Council which is the highest body of the Institute to decide on all academic matters including curriculum of each programme. Academic Council has participation from all sections of the Institute, external experts and has a provision for special invitees.

2.10 Average percentage of attendance of students

70-80

2.11 Course/Programme wise distribution of pass percentage: Average pass %

98.19

Title of the Programme	Total no. of students appeared	CGPA							Total (Pass %)
		$\geq 8.0$	$\geq 7.0$ & < 8.0	$\geq 6.0$ & < 7.0	$\geq 5.0$ & < 6.0	$\geq 4$ & < 5	< 4.5	< 4	
B.Tech.	1069	361	364	223	89	23	14	9	1046 (97.85%)
M.Tech. (62)	185	134	23	14	6	4	3	1	181 (97.84%)
MBA	90	7	27	40	15	1	1	0	90 (99.30%)

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

The Institute Quality Assurance Cell (IQAC) completely examine and strengthen the teaching and learning processes through audit of the teaching and learning activities of the institute. To audit the

learning outcomes articulated for all academic programs of the institute, the various feedback forms have been expressed. On the basis of the feedback received from students, faculty, parents, alumnae and other stakeholders, department wise recommendations are made for improvements to achieve the best teaching learning practices and outcomes.

### **Methodology of Operation**

The academic processes of the Institute have been categorized as,

- Academic (Teaching and Learning)
- Academic (Research)
- Stakeholder Relationship
- Professional and Social Activities
- Students Activities and Placement

The activities to be monitored and feedback analysis under each category have been defined with frequency of monitoring.

### **Academic (Teaching and Learning)**

- Student feedback analysis of theory and laboratory courses [Semester wise]
- Faculty feedback [Semester wise]
- Department feedback on use of equipment [Semester wise]
- Department feedback on learning resources [Year wise]

### **Academic (Research)**

- Publications [Year wise]
- Sponsored R&D projects [Year wise]
- Master and Ph.D. projects/ dissertations [Semester wise]
- Patents [Year wise]
- Individual achievements/awards [Year wise]
- B. Tech. Major projects [Year wise]
- Review articles and books [Year wise]
- Interdisciplinary Research [Year wise]

### **Stakeholder Relationship**

- Faculty feedback [Year wise]
- Trustee feedback [Year wise]
- Non teaching staff feedback [Year wise]
- Student feedback on complete experience in Institute [Year wise for passing out students]
- Corporate (Industry) feedback [Year wise at the time of placement]
- Parent feedback [Year wise]
- Alumni feedback [Any time 2 years after passing out]

### **Professional and Social Activities**

- Professional consultancy [Year wise]
- Professional and special courses/workshops [Semester wise]
- Conferences [Year wise]
- Industrial Interactions [Semester wise]
- Social Activities [Year wise]

### **Students Activities and Placement**

- Activities of hubs and JYC [Semester wise]
- Student's activities with society Relevance [Semester wise]
- Student Awards & Achievements [Year Wise]
- Students participation at regional/National/International level [Year wise]
- Placement in the Campus recruitment [Year wise]
- Off campus placement and progression for higher education [Year wise]

The feedback proforma for all the above activities have been developed and computerized to facilitate on line feedback collection, computing and analysis. These activities will be further

strengthened by benchmarking academic practices with the leading departments of other reputed institutes/universities.

IQAC focuses on academic processes and is aimed at improving the systems of the Institute.

IQAC is also taking steps to conduct a study on growth of students from disadvantaged section of society.

Although, IQAC had started its working in 2014, since then, JIIT had been collecting and analyzing feedbacks, performing academic and administrative audits, continuously involved in monitoring and improving the quality of its processes.

The Institute Quality Assurance Cell is involved in taking feedback from all stakeholders. The feedback for the academic year 2016-17 has been analyzed and decisions on improvement will be taken by competent authorities.

### 2.13 Initiatives undertaken towards faculty development:

<i>Faculty / Staff Development Programme</i>	<i>Number of faculty benefitted</i>
Refresher courses	
UGC – Faculty Improvement programme	
HRD programme (1+3)	
Orientation programme	
Faculty exchange programme	
Staff training conducted by the university	
Staff training conducted by other institutions	
Summer / Winter schools, Workshops, In-house FDPs etc.	265

JIIT has undertaken several initiatives towards faculty development including organising in-house FDPs, workshops, seminars, discussions and online webinars to have over all professional growth. Some of the salient features can be summarised as following.

- JIIT sponsors teaching and non-teaching staff for training programme and workshops.
- It conducts Workshops / Seminars and Conferences.
- Faculty is supported partially in its research activities both in terms of facilities and finances.
- JIIT allows paid study leave and sabbatical leave.
- JIIT also supports research program by sponsoring limited research fellowships to induct Ph.D. students in each Department twice at the Institute level i.e. January and July in each AY.
- Experts are invited to JIIT on regular basis for interaction and delivery of lectures on current topics of interest.
- It encourages and financially supports its faculty and students to attend Conferences / Seminars / Workshops in India and abroad.

Some of the activities during 2016-17 in this direction are as below.

- JIIT is a remote centre of IIT Bombay initiative, under National Mission on Education through Information & Communication Technology (NMEICT) project of MHRD, GOI. Under this project, it conducts FDPs for professional development of faculty and non teaching staff. The following FDP have been arranged under this programme:

S. No.	Name	Duration	Participants from	
			JIIT	Outside
1.	Two-week ISTE STTP on CMOS, Mixed Signal and Radio frequency VLSI Design by ECE	Jan. 30 - Feb. 4, 2017	21	2

JIIT conducts in-house FDPs on its own also. The following FDP have been arranged.

S.No.	Conferences/Workshop/FDP	Date	Department of the Institute	Participants from	
				JIIT	Outside
1	Faculty Development Program on “Communication Engineering: Recent Trends” at JIIT-62, Noida.	July 11-16, 2016	Department of ECE, JIIT, NOIDA,	31	6
2	Faculty Development Program on “State-of-the-Art: Communications, Circuits and Intelligent Systems” at JIIT-128, Noida.	July 18-23 2016	Department of ECE, JIIT, NOIDA,	12	3
3	FDP on “Industrial Applications”	19-25/ 07/ 2016	Department of PMSE, JIIT, NOIDA,	29	0
4	Faculty Development Program on —Recent Advances in Diagnostics and Therapeutics	July 18-23, 2016	Department of Biotechnology , JIIT, NOIDA,	20	3
5	FDP on Enhancement of Research Abilities for Capacity Building of New-age Researchers	16th - 21st July, 2016	Department of HSS, JIIT, NOIDA,	26	7
6	FDP on Competency Development Programme on "Business research & analytics	Jun.19-24, 2017	Jaypee Business School	2	28
7	Faculty Development Program on Continuum Mechanics and Applications	July 18-23, 2016	Department of Maths, JIIT, NOIDA,	22	3
8	FDP on "Research, Innovation, and Engineering in Computer Science: Issues and Approaches"	18th to 23rd July 2016	Department of CSE, JIIT, NOIDA	27	1
9	Short term course on —Multimedia Tools and Its Utilities	27th to 31st March 17	Department of CSE, JIIT, NOIDA	11	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	140	NA	NA	NA
Technical Staff	10	NA	NA	NA



## Criterion – III

### 3. Research, Consultancy and Extension

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

To sensitize and promoting research activities in the institute the IQAC has compiled the data on Ph.D. supervised and research publications made by faculty members. The different research activities and research parameters are identified which need to be enhanced by concerned departments.

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number*	16	17	2	
Outlay in Rs. Lakhs*	<b>573.42</b>	<b>407.56</b>	<b>37.99</b>	

JIIT has sponsored projects funded by national funding agencies like DST, DBT, DRDO, ICMR, ISRO, AYUSH, AICTE, etc. The tables below present details of ongoing and completed major research projects:

**Table: Completed research projects sponsored by national funding agencies\***

S. No.	Name of Project	Duration	Grants Received (Rs in Lakh)	Funding Agency
1.	Theoretical Study of Single Photon Sources for Quantum	2006-09	2.16	DST
2.	Inferring the origin, population structure and demographic history of drosophilamalerkotliana with population genomic approach	2007-10	7.44	DST
3.	A Psyche Monitoring and Regulating system	2008-09	12.65	AICTE
4.	Modernization & Removal of Obsolescence Scheme : Biotech	2008-11	7.00	AICTE
5.	Modernization & Removal of Obsolescence Scheme: ECE	2008-11	10.00	AICTE
6.	Modernization of Materials Science and Engineering lab under MODROBS	2008-11	7.00	AICTE
7.	Mapping of the interactions among Chikungunya virus Proteins	2008-12	24.86	DBT
8.	Scientific documentation of selected Indian medicinal plants used for anti-diabetics and other activities	2009-11	7.00	AYUSH
9.	Designing a Nanoparticles Based Glucose Biosensor	2009-12	8.40	AICTE
10.	IP Core for Real Time Audio Video Surveillance System	2009-11	5.00	AICTE
11.	Mapping Viral Host Protein Interacts of Chikungunya Virus	2009-12	15.45	AICTE

12.	Cardio protective properties of Curcumin: Molecular interaction of Cardiac transcription factors	2009-12	19.99	DST
13.	Formulation of Microbial Consortia with Parallel Biofertilizer and Biocontrol Properties	2010-	24.22	DBT
14.	Investigations multifunctional properties of substituted Multiferroics	2010-2013	16.13	DRDO
15.	Bistability due to Intra-Molecular and Inter-Molecular Charge Transfer in Different Environments	2010-14	9.36	DST
16.	Synthesis and Study of Structural, Dielectric, Magnetic and Magneto electric Properties of Multiferroic Materials	2010-14	11.58	DST
17.	Nanoparticle based Drug Delivery System of some Antiepileptic Drugs for Brain Drug Delivery through Nasal Route	2011-14	25.18	DBT
18.	Theoretical study of higher order non - classicality and its applications	2011-14	12.75	DST
19.	Investigations on Multifunctional Properties of Alkaline Earth and Rare Earth Doped $\text{BFe}_{1-x}\text{Ti}_x\text{O}_3$ Solid Solutions	2011-14	51.31	DST
20.	A Low-Voltage CMOS Test Chip for Thermal Sensor and RF Application on AMS 0.35 $\mu\text{m}$ technology node using Mentor Graphics PDK	2012-14	6.6	Mentor Graphics, India
21.	Effect of curcumin on cardiac hypertrophy	2012-15	31.95	DBT
22.	Stage specific microRNA profiling from developing chick heart	2012-16	42.48	DBT
23.	Stage specific microRNA profiling from developing chick heart.	2012-16	41.65	DBT
24.	Development of a biocatalyst for dearomatization of diesel	2013-15	6.92	DBT
25.	Ability of select PGPM strains to Remediate organophosphate Pesticides commonly used in Agriculture	2013-15	6.59	DBT
26.	Purification of Chikungunya virus nsP3 Protein for peptide based inhibitor and structural studies	2013-16	71.67	DBT
27.	Nanoparticles based amper-ometric biosensor for detection of thyroid dys-functioning	2014-16	37.30	DST
28.	Development and evaluation of green tea catechins based intravaginal nanoemulsion gel for the treatment of urinary tract infections	2014-17	25.88	DBT
29.	Development of a biocatalyst for the removal of nitrogen and sulphur from diesel	2014-17	24.90	DST
<b>Total</b>			<b>573.42</b>	

**Table: Ongoing research projects\***

S. No.	Granting Agency	Duration	Title	Grant (Rs in Lac)
--------	-----------------	----------	-------	-------------------

1.	DBT	2013-17	Structural Biology of CysE from pathogenic organisms Potential for rational drug design	44.16
2.	DBT	2014-17	Development of reagents for simple immunochemical tests for the detection of Chikungunya infection	18.00
3.	DST	2014-17	Studies on the phylogenomics and population genomics of Indian <i>Drosophila</i>	34.10
4.	DST	2014-17	Studies on production of therapeutically important saponins using in-vitro culture of <i>Bacopa monnieri</i>	19.62
5.	Trident G. Pvt. Ltd.,	2015-17	Biotechnological solution for attaining longer shelf life and portability of microbial inoculums	23.00
6.	ICMR	2015-18	Development of glyoxylate and methyl- citrate cycles essential for persistence of Mycobacterium tuberculosis	20.00
7.	DST	2015-18	“Rational structure-based development of potent inhibitor targeting mycobacterial cysteine biosynthetic pathway: <i>in-silico</i> and experimental drug design against <i>M. tuberculosis</i> CysE”	15.95
8.	DST	2015-18	Differential expression pattern of miRNAs in rice root during Cr(VI) stress	32.60
9.	DST	2016-19	Entangled and other non-classical states and their applications in the field of quantum computation	39.51
10	DRDO	2016-19	Design and cryptanalysis of protocols of secure quantum communication	34.08
11	DST	2016-19	Structurally manipulated stannate nanostructures for magnetic and optoelectronic application	10.99
12	ICMR	2016-19	Identification of cellular targets of Chikungunya virus non structural proteins	34.10
13	DBT	2017-20	Potentially novel carbohydrates (cellulase and related enzymes) for waste management from functional metagenomics library of North East India biodiversity hot spot	22.21
14	DBT	2017-20	Building integrated pipeline for cancer genome analysis: Role of mobile genetic elements in cancers.	29.24
15	DST SERB	2017-20	Design and Development of a Cognitive System for Leukocytes Identification in Hematoxylin and Eosin (H & E) Stained Rat Skin Images	30.00
<b>Total</b>				<b>407.56</b>

**Table: Sanctioned research projects\***

S. No.	Granting Agency	Duration	Title	Grant (Rs in Lac)
1.	DST	2016-19	Structurally manipulated stannate	10.99

			nanostructures for magnetic and optoelectronic application	
2.	DBT	2017-20	Development PLGA nanoparticles loaded with donepezil and memantine for Brain Drug Delivery through nasal route in Alzheimer's disease	27
<b>Total</b>				<b>37.99</b>

**Table: Details of Inter-institutional collaborative projects\***

S. No.	Granting Agency	Name of the project	PI/Co-PI from JIIT	PI/Co-PI from other institutions	Grants Received by JIIT (Rs in Lakh)
1	DBT	Development of reagents for simple immunochemical tests for the detection of Chikungunya infection <b>Duration:</b> 2014-17	Dr Sanjay Gupta	University of Delhi and ICMR Virus Unit Kolkata	18.0
2	DBT	Structural Biology of CysE from pathogenic organisms – Potential for rational drug design <b>Duration:</b> 2013-16	Dr Vibha Gupta	Punit Kaur AIIMS, New Delhi	40.5
3	DBT	Development of a biocatalyst for dearomatization of diesel <b>Duration:</b> 2013-14	Dr. Nidhi Gupta/ Dr. Sanjay Gupta	Dr D.K. Adhikari, IIP, Dehradun	6.92
4	DBT	Development and evaluation of green tea catechins based intravaginal nanoemulsion gel for the treatment of urinary tract infections <b>Duration:</b> 2013-14	Dr Shweta Dang, /Dr Reema Gabrani	Javed Ali Jamia Hamdard, New Delhi	23.53
5	DBT	Formulation of Microbial Consortia With Parallel Biofertilizer and Biocontrol Properties <b>Duration:</b> 2010-14	Dr Krishna Sundari,	Dr. Reena Singh TERI, New Delhi	24.22
6	ICMR	Development of inhibitors to target glyoxylate and methylcitrate cycles essential for persistence of Mycobacterium tuberculosis (Sanctioned) <b>Duration:</b> 2015-18	Dr. Vibha Gupta	Dr. Chittaranjan Rout, JUIT Waknaghat	20.0
7	ICMR	Study of mitochondrial DNA copy number variation, its possible genetics and their correlation with pathophysiological features of diabetes mellitus: A pilot study (Sanctioned) <b>Duration:</b> 2015-18	Dr. Shalini Mani	Dr. Pankaj Bansal and Dr. Mohd. Rashid, Sharda University	26.00

8	DBT	Development and evaluation of green tea catechins based intravaginal nanoemulsion gel for the treatment of urinary tract infections, 2013-2016 Dr Javed Ali, Jamia Hamdard, New Delhi	Dr. Shweta Dang	Dr Javed Ali, Jamia Hamdard, New Delhi	28.6
9	DBT	Potentially novel carbohydrases (cellulase and related enzymes) for waste management from functional metagenomics library of North East India biodiversity hot spot /(DBT) Duration: 2017-20	Indira P. Sarethy/ Dr. Sanjay Gupta	Dr. Hari Prasanna Deka Boruah (CSIR-NEIST)	22.21
<b>Total</b>					<b>209.98</b>

3.3 Details regarding minor projects: There are no Minor Projects

3.4 Details on research publications: 2016-17

	International	National	Others
Peer Review Journals	243	5	0
Non-Peer Review Journals	6	0	1
e-Journals	0	0	0
Conference proceedings	68	4	0
<b>Total</b>	<b>317</b>	<b>9</b>	<b>1</b>

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

**Details are given in 3.2**

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="03"/>	CAS	<input type="text" value="02"/>	DST-FIST	<input type="text" value="01"/>
AICTE	<input type="text" value="03"/>	DST	<input type="text" value="02"/>	DBT Scheme/funds	<input type="text" value="01"/>
ICMR	<input type="text" value="01"/>	DRDO	<input type="text" value="02"/>	Industry (PVT LTD)	<input type="text" value="02"/>

3.9 For colleges: Not Applicable

3.10 Revenue generated through consultancy\*

3.11 No. of conferences/Workshops/ Symposia organized by the Institution	Level	International	National	State	University
	Number	05*	11*		01
	Sponsoring agencies	IEEE/JIIT	JIT	NA	JIT

\*The list of conferences/workshops organised during 2016-17 is given below.

S. No.	Department of the Institute	Conferences/Workshop/FDP	Date
1	Department of Biotechnology, JIIT, NOIDA,	Workshop- Fluorescence-activated cell sorting (FACS)	Jul. 19, 2016
2	Department of Biotechnology, JIIT, NOIDA,	Workshop- Functioning of Real time PCR	July 20, 2016
3	Department of Biotechnology, JIIT, NOIDA,	Workshop– Demonstration- Mass spectrometry	Jul. 21, 2016
4	Department of HSS, JIIT, NOIDA,	Research Paper Writing & Publishing Workshop	Jul. 29-30, 2016
5	Department of PMSE & ECE, JIIT, NOIDA,	One day training programme on “COMSOL Multiphysics and Application Builder Workshop”	Aug.31, 2016
6	Department of CSE, JIIT, NOIDA	9th International Conference on Contemporary Computing (IC3-2015)	Aug. 11-13, 2016
7	Department of CSE, JIIT, NOIDA	National Workshop on Big Data Analytics and Visualization from	Sep. 5-7, 2016
8	Department of Maths, JIIT, NOIDA,	International Conference on Recent Advances in Mathematical Sciences and its Applications (RAMSA-2016)	Dec. 8-10, 2016
9	Department of ECE, JIIT, NOIDA,	International conference on Signal processing and Communication ICSC -2016,JIIT Noida	Dec. 26-28, 2016
10	Department of Biotechnology, JIIT, NOIDA,	International Conference On Advances In Plant And Microbial Biotechnology Pmb-2017	February 02-04, 2017
11	Department of PMSE, JIIT, NOIDA,	One-day Workshop on “Photoptics”	Mar. 9, 2017
12	Department of CSE, JIIT, NOIDA	National Workshop on Wireless Sensor Networks and Its Applications	Mar. 16-18, 2017
13	Department of PMSE, JIIT, NOIDA,	One-day Workshop on “Nuclear Physics and its Applications”	25/03/2017
14	Department of HSS, JIIT, NOIDA,	International Conference on „Peaceful and Prosperous South Asia- Opportunities and Challenges“	Mar. 27-29, 2017
15	Department of CSE, JIIT, NOIDA	Short term course on —Multimedia Tools and Its Utilities	Mar. 27-31, 2017
16	Department of Maths, JIIT, NOIDA,	Two day workshop on Recent Trends in Mathematical Modeling and Scientific Computing.	Apr. 07-08, 2017
17	Department of CSE, JIIT, NOIDA	Workshop on IoT	Apr. 19-20, 2017

3.12 No. of faculty served as experts, chairpersons or resource persons\* 58

3.13 No. of collaborations\* International 18 National 70 Any other

3.14 No. of linkages created during this year -

3.15 Total budget for research for current year in lakhs:

From Funding agencies 90.00 From Management of University/College 479.0

Total 569.00

The Institute makes budgetary allocation for research in the heads mentioned in the table below. The table presents budget allocation for the year 2016-17.

<b>Head of Expenditure</b>	<b>2016-17 BA/AE</b>
Research Equipment and Software	74/57
Consumables and Maintenance	30/ 20
Subscription of Research Journals	70/59
Ph. D. Fellowships	125/ 68
Support for Conferences/ Seminars/ Workshops to students and Faculty	15/ 03
Organization of Conferences, Seminars/ Workshops	15/ 31
Expenses on Experts' visits	15/24
Internet and IT support	13/ 12
Electricity expenses	52/ 43
Research related miscellaneous expenses	65/39
Institute contribution to Research Projects	05/ 01
<b>Total</b>	<b>479/ 357</b>

3.16 No. of patents received this year

Type of Patent		Number*
National	Applied	Nil
	Granted	Nil
International	Applied	Nil
	Granted	Nil
Commercialised	Applied	Nil
	Granted	Nil

3.17 No. of research awards/ recognitions received by faculty and research fellows of the institute **in the year 2016-17\***

Total	International	National	State	University	Dist	College
7	-	7				

Details are given below:\*

<b>Sr. No</b>	<b>Name of Faculty</b>	<b>Award/Recognition</b>
1.	Dr. Vibha Rani	A. R. RAO Memorial Young Scientist Award, 2016 in International Symposium on Role of Herbals in Cancer Prevention and Treatment from February 09-10, 2016, Jawahar Lal Nehru University, Delhi
2.	Dr. Rachana	Indian Women Achievers Award 2017 by Anchor Media Group, Stree Samman
3.	Dr. Rajesh Kumar Dubey	Excellent Research paper award in Nov, 2016



4.	Dr. Paul Puri	Mention – Excellence in Research in 5th Academic Brilliance Awards-2017
5.	Dr. Vibha Rani, S.C Tyagi	Young Faculty Award, 2017, Academic Brilliance Young Faculty Award, 2017
6.	Kanupriya Misra Bakhru	Secured Second Position in 8th International Conference on “Make in India: Through Sustainable Development: Achieving Inclusive Growth”, Bharati Vidyapeeth Deemed University, Institute of Management & Research, New Delhi, 5-6 Feb, 2016.
7.	Shriram Purankar	Awarded the Best paper Award under the Finance Section of International Conference on Banking and Finance (ICBF 2016) organized by Chitkara University. Paper was titled " Interdependence dynamics of commodity derivatives and macroeconomic factors : Evidence from India"

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

123

211

3.19 No. of Ph.D. awarded from the Institution (2016-17)

38

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

Insp.Fellows

05

JRF/ SRF

19

Project Fellows

28

Institutional

51

3.21 No. of students Participated in NSS events: - Not Applicable

3.22 No. of students participated in NCC events: - Not Applicable

3.23 No. of Awards won in NSS: Not Applicable

3.24 No. of Awards won in NCC: Not Applicable

3.25 No. of Extension activities organized

University forum

75

College forum

X

NCC

X

NSS

X

Any other

JIIT has a student body, named as JYC (Jaypee Youth Club) that believes in the overall developments of the students and continuously strives to provide a nurturing climate and a trusting environment. With the series of events, fests and treks, JYC aspires to maintain high level of enthusiasm and team integration. In the campus of JIIT, we have 17 different hubs actively catering to student's extracurricular appetite which are broadly grouped under the categories as follows: Literary Arts, Performing Arts, Technical and Non -technocal Hubs, and Visual Arts etc.

Be it the colors of cultural club, or the parleys of the literary hub, be it the mechanics of the robotics or expertise of the technical club, JIIT offers a wide palate of choice to suit the diverse interests of students and capture their dynamic imagination and enthusiasm. Apart from serving as a retreat from intense academic loads, these extracurricular activities present an opportunity that builds confidence, encourages teamwork and gives students a strong sense of achievement and belongingness.

A total of 75 events were conducted in the past academic year, few of them are listed as under, arranged in chronological order:

1. JOUST: The Literary Hub of IIIT provided the students of various colleges with an exhilarating escape and allowed them to discover the realm of the literary world through the Joust 2016 held during October 8-9, 2016.
2. JMUN 2017 held on Jan 21-22, 2017 witnessed a tremendous participation, an unprecedented level of debate and deliberation and an unparalleled learning experience for more than 500 enthusiastic delegates from reputed schools and colleges across India.
3. The Thespian Circle: Students depicted the importance of voting on January 30, 2017 through a street-play.
4. The Thespian Circle: Students depicted the importance of saving the environment named as Ozone Day on September 16, 2016.
5. Jaypee Economics & Business Hub conducted events during Fest-2017.
6. Students of HSS Department have set up organizations/committees/hubs which have been registered as NGOS such as it's your earth, Support Foundation, and start-ups such as Scrap Labs.
7. Volunteers from HSS Department go and teach the slum children, children of construction labourers and street vendors around the university campus and plant saplings such as Mango, Neem in and around the campus.
8. Students of ECE Department have organized IEEE student Branch Orientation session 2K16 on 4<sup>th</sup> Aug 2016.
9. Students of ECE Department have organized technical fest Techblocks 2.1 from 23<sup>rd</sup> Aug-1<sup>st</sup> Sept, 2016.
10. Students of ECE Department have organized technical fest Techblocks 2.2 from 3<sup>rd</sup>-7<sup>th</sup> Oct, 2016.
11. Students of ECE Department have organized cultural fest Xenith 2K16 in Nov, 2016.
12. Students of Biotech Department have given farewell to fighters on Martyr's Day to pay tributes to the holy souls on 30 Jan, 2017.
13. Students of Biotech Department have organized TARDIS Inside during Annual Cultural Fest on 25<sup>th</sup> Feb, 2017.
14. Students of Biotech Department have organized THE INQUILAB CATECHIZE on 24<sup>th</sup> Jan, 2017.
15. Students of Biotech Department have organized BESQUEDA DEL TESORO on 25<sup>th</sup> Feb, 2017.
16. Students of Biotech Department have organized DAWN OF 90's on 26<sup>th</sup> Feb, 2017.
17. The "Crescendo", The Music hub of Biotech Department have organized many events like Crescendo Hub Orientation and Karaoke Session (11<sup>th</sup> August 2016), Ebullience 2016 (By Jaypee Youth Club on 27<sup>th</sup> August 2016), The Joust (By Parola) closing cultural programme during 8-9<sup>th</sup> October 2016, IIIT Unplugged (by Crescendo) on 27<sup>th</sup> August 2016, The Joust (By Parola) closing cultural programme on 8-9<sup>th</sup> October 2016, IIIT Unplugged on 14<sup>th</sup> October 2016.
18. The "EcoQuence-The Environment Hub", of Biotech Department have organized many events like **Recyclathon, The Eco-Carnival!, Make your Blockbuster** during June, 2016 to July, 2017.

19. The “Book Club”, of Biotech Department has organized many events like **Book Exchange** on 22<sup>nd</sup> Sept., 2016, **Wordsmith Hunt** on 25<sup>th</sup> Feb., 2017.
20. The students of Biotech Department have participated in many events that are organized by “**Dance Hub: JHANKAAR**” during June, 2016 to July, 2017.
21. The students of Biotech Department have participated in many events that are organized by “**Dance Hub: JHANKAAR**” during June, 2016 to July, 2017.
22. The students of CSE have organized Cyber Srishti 2017 - A Two Day Technical Festival during 22-23<sup>rd</sup> April, 2017.

### **Industrial Interactions**

1. MBA 2016-18 batch students have visited the state of the art, Maruti Suzuki Plant in Gurugram, and Moserbaer plant in Greater Noida along with faculty members on 10 April, 2017.
2. Department of CSE holds regular brainstorming sessions among faculty and industry experts to facilitate industry sabbaticals for the faculty, industry internships for the Ph.D. scholars, engage Ph.D. scholars to work on industry sponsored projects, every year incubate 5-10 IT start-ups involving students and faculty.
3. The PG students of ECE department are doing project with CADANCE under mentorship of Dr. Garima Kapur and Mr. Tanuj Chauhan

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

#### **Responsibility**

The Institute offers a Social Internship programme of 3-credit which is mandatory for all MBA students and is equivalent to one full course. It requires each student to work with NGO to learn about the social issues, activities and finally apply their managerial learning to improve the effectiveness of the NGO. The students’ quality of work with the community is the most important criterion to evaluate their project report. There are several NGOs with whom students have carried out their projects.

The department of HSS offer courses that to inculcate social and ethical responsibility among students. Subjects like Social and Legal issues, Technology and Governance. Technology and Culture educates the students about the fabric of society. These subjects sensitize the students to various social and cultural issues. This understanding is further enhanced by giving an opportunity to their knowledge and critical thinking by taking up live projects. Subjects such as Ethics, Values and Stress Management, Industrial Sociology, Sociology of Youth allow students to apply their learning on real life situations, especially to the problems of underprivileged communities in the form of projects.

Several committees have been set up under the Jaypee Youth Club to infuse social awareness and responsibility among students. Initiatives taken by the students include simulation and role plays of United Nations committees to deliberate and debate over contemporary social and economic issues around the globe with feasible and implementable solutions; organizing blood donation camps; educating underprivileged slum children, children of construction labourers and street vendors around the Institute campus; collecting and distributing books, items of need, old clothes in neighbouring underdeveloped areas; teaching computer to under privileged children through NGOs; planting trees in and around the campus to name a few. Few student organizations have been formally registered as NGOs such as It’s Your Earth, Support Foundation, and start-ups such as Scrap Labs. These organizations provide items of need and consumables to underprivileged people around the campus; create awareness by conducting workshops for such children on issues such as cleanliness, anti-begging, anti-drugs and importance of work; create sports and physical fitness awareness among such children by giving them opportunity to participate in competitive events; and

also conducts activities to build logic and reasoning, and enhance perceptual abilities of underprivileged children. Besides all these, faculty and students have participated in blood donation camps held in collaboration with Rotary Club. To further enhance the quality of people, the institute has established collaborations with various NGO's like Help Age, UMMED, Centre for education and Communication, National Association of Blind etc.

The "EcoQuence-The Environment Hub", of Biotech Department have organized many events like Recyclathon, The Eco-Carnival!, Make your Blockbuster during June, 2016 to July, 2017. The "Book Club", of Biotech Department has organized many events like Book Exchange on 22nd Sept., 2016, Wordsmith Hunt on 25th Feb., 2017. The students of Biotech Department have participated in many events that are organised by "Dance Hub: JHANKAAR" during June, 2016 to July, 2017. The students of Biotech Department have participated in many events that are organised by "Dance Hub: JHANKAAR" during June, 2016 to July, 2017. The students of CSE have organized Cyber Srishti 2017 - A Two Day Technical Festival during 22-23rd April, 2017. Students of HSS Department have set up organizations/committees/hubs which have been registered as NGOS such as it's your earth, Support Foundation, and start-ups such as Scrap Labs.

Volunteers from HSS Department go and teach the slum children, children of construction labourers and street vendors around the university campus and plant saplings such as Mango, Neem in and around the campus. The Thespian Circle: Students depicted the importance of voting on January 30, 2017 through a street-play. The Thespian Circle: Students depicted the importance of saving the environment on Ozone Day in September 16, 2016. The blood donation camps were also organized as Institutional Social Responsibilities.

The extension activities complement students academic learning experience by instilling in them the feelings of philanthropy, compassion, gratitude; imbibing values, integrity, patience and perseverance; motivating them to follow more ethical practices and show commitment in all their endeavours.

In addition to the last year's social activities, this year Jaypee Institute has adopted two schools this year. The Social activity group of JIIT at Sector-128 has come up with a mission to assist children of economically weaker sections by imparting them basic education and general awareness through various means and resources provided by the Institute itself. The social activity group organizes regular visits on every Saturday for the underprivileged children from nearby area to JIIT with objectives such as: Identify their academic weakness and providing at least 2 hours per week of time to these children for learning various subjects viz. Hindi, English, Mathematics etc. within JIIT campus; Provide hands on practice session on computer and basic software; Create awareness among them about cleanliness and hygiene of self and surroundings; Conduct of outdoor fun and Sports activities and Collection and Distribution of Clothes/Stationary for the underprivileged.

## 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 a. Noida Sec-62 b. Extension of 62 in Noida Sector-128	1,17,960 sq.mts 40,127 sq.mts	ABB-III	JIIT	1,58,087 sq.mts
Class rooms, Seminar halls with LCD/OHP, mike facilities	55 (41 ICT enabled Class Rooms +14 Class Rooms) +27 Tutorial Rooms+13 Discussion Rooms	01	JIIT	95
Laboratories	75	02 labs in EC, 01 lab in HSS & 01 lab in JIIT 128	JIIT	79
Value of the equipment* purchased during the year (Rs. in Lakhs)	2712.14	266.30	JIIT	2978.44
Others				

\*Scientific Equipments for lab, computers, Wifi, Electrical and mechanical equipments etc.

#### 4.2 Computerization of administration and library

Library: Following activities are continuing and upgraded in the LRC

- JIO Wi-Fi facility
- PC's with internet
- Development of Institutional Repository "LRC DRS" for accessing Project Reports, Articles, Dissertation and Theses etc.
- Development of Dynamic Library Website with detailed information
- Development of Open Source Library Management Software "KOHA".

The computerization of library administration and functioning has following software's and facilities in use.

OPAC	LRC has been using international standard Integrated Library Management Software i.e. Liberty. Software has in-built feature for personalized OPAC for searching the resources. <b>Now we are going to shift Open Source Library Management Software KOHA</b>
LRC Website	The LRC has designed and developed dynamic Library Website by using Joomla content Management software. Information related to the LRC is uploaded on LRC website at <a href="http://jiit.ac.in/lrcjiit/">http://jiit.ac.in/lrcjiit/</a>
In-house /remote access to e-publications	The LRC has designed and developed Institutional Repository "LRC-DRS" to maintain intellectual output of the Institute by using DSpace open source software. At present, LRC has uploaded 1700 documents into the repository containing Ph.D. theses, M. Tech. dissertations, B. Tech. Project reports and faculty research papers.

The details of ICT deployed in the library are briefed in the following table.

Library automation	Yes	LRC is using International Standard Integrated Library Management Software and almost all in-house activities of LRC are automated. All print resources are bar-coded for easy handing of issue/return and other activities of the LRC.
Total number of computers	64	Terminals have been placed for accessing e-resources, internet surfing, and project work.
Printer	02	Two heavy duty printers are available for general access
Internet band width speed	1.10 Gbps	Full band width is available for general access
Institutional Repository	Yes	Institutional Resource known as “LRC-DRS” has been developed with the help of DSpace, an open Source Software, and is available on LAN at <a href="http://172.16.90.72:8080/jspui/">http://172.16.90.72:8080/jspui/</a> . At present 1700 documents have been uploaded into repository.
Content management system for e-learning	Yes	LRC has subscribed to “Turnitin” – Anti Plagiarism Software which have in-built feature of e-learning. Faculty can give assignment through “Turnitin” and the same can be evaluated, graded, and checked for plagiarism.
Open Source Content Management	Yes	LRC uses Open Source Content Management i.e. JOOMLA.
Resource sharing network/ consortia	Yes	JIIT is a member of INFLIBNET, UGC and DELNET. JIIT has been a member of INDEST-AICTE Consortium for about 10 years.

#### 4.3 Library services:

	Existing		Newly added in 2016-17		Total	
	No.	Value (Rs in Lakhs)	No.	Value (Rs in lakhs)	No.	Value (Rs in lakhs)
Text Books	Print Books: Titles: 20286 Volumes: 52424	~ 447.45	Print Books: Titles: 1196 Vol. : 3997	~ 93.62	Titles: 21482 Volumes: 56421	~ 541.07
	Back Volumes: 173 Bound Periodicals: 1369		-			
e-Books	631		Perpetual		631	
Journals (Print)	32		01		33	
e- Journals	5006		Renewed		5006	
Digital Database	333493		Renewed		333493	
CD & Video	3055		390		3445	
Others (specify)	Ph.D. Theses: 96		41		137	
	LNCS-Springer: 7079		1777		8856	

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	1850	32	1.02 Gbps	LRC*	-		7	-
Added in 2016-17	59	01			-		Nil	
Total	1909	33	1.02 Gbps		-		7	-

\* Hostels and LRC is connected with Wi-Fi

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

Internet access is available to teachers/staff and students throughout the campus including hostels. New faculty and staff are provided on-job training by experienced personals.

#### 4.6 Amount spent on maintenance in lakhs:

i) ICT	6.67
ii) Campus Infrastructure and facilities	188.74
iii) Equipments	110.36
iv) Others	35.59
<b>Total:</b>	<b>341.36</b>



## Criterion – V

### 5. Student Support and Progression

#### 5.1 Contribution of IQAC in enhancing awareness about Student Support Services

IQAC takes feedback of students about various support services provided to them. The Academic teaching and learning subcommittee collects subject-wise feedback at the end of each semester. Stakeholder relationship subcommittee collects feedback from students at the time of passing out regarding support services like Registry, Accounts, Library, Training and Placement etc.

The feedback is analysed and shared with Management, to enhance their awareness about Student Support Services.

#### 5.2 Efforts made by the institution for tracking the progression

The progression of students is tracked through ERP system used by the institute for all activities. The ERP system is equipped with Campus Lynx software which is used for maintaining students' data regarding their personal details, Subjects registered in current semester, Subjects and performance in past semesters, details of subject teachers, subject-wise marks and grades, CGPA and date-wise, subject-wise record of attendance. The progression data can be assessed by the student, his/her parents and all faculty members online through Webkiosk. On the basis of progression data, counselling & mentoring is done by faculty counsellors.

Parents also track the progression of their wards through online data available to them via webkiosk, which is accessible through internet from any location.

Institute has established a separate cell for interaction with alumni. IQAC is also taking feedback from alumni.

#### 5.3 (a) Total Number of students

UG (B.Tech.+Dual deg. Int.)	PG (M.Tech.)	MBA.	Ph.D.*
*M /F	M /F	M /F	M /F
2567/1003	18/60	77/78	45/78

M – Male, F – Female

#### (b) No. of students outside the state

UG UP/outside	PG (M.Tech.) UP/Outside	MBA UP/Outside	Ph.D.* UP/Outside
1630/1940	38/18	90/65	81/38

\* Total No. of Ph.D. candidates include the faculty registered for Ph.D.

#### (c) No. of international students

03

Men

No	%

Women

No	%

Last Year 2015-16 (admitted)						This Year 2016-17 (admitted)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1364	32	02	47	NIL	1445	1259	55	NIL	70	NIL	1364

Demand ratio:

Programme	Total number of seats	Number of applications received	Demand ratio
Undergraduate	1140	7815	1:6.3
Postgraduate	360	7815	1:21.7
MBA	210	238	1:01.14
Ph.D.	77	204	1:2.64

Dropout %:

5

5.4 Details of student support mechanism for coaching for competitive examinations (If any): Not available

No. of students beneficiaries

NA

5.5 No. of students qualified in these examinations:

NET

SET/SLET

01

GATE

26

CAT

09

IAS/IPS etc

01

State PSC

UPSC

---

Others

---\*

\*Students have also cleared other exams like GMAT, IELTS, MAT, NMAT, TOEFL etc. but record is not available.

5.6 Details of student counselling and career guidance

The Institute has a process of student mentoring in which a faculty member serves as a mentor for about 30 students. In the beginning of a semester, details of mentors (batch-wise) are put up on the Institute's website for the information of students and their parents. A mentor can access student's records like attendance and marks obtained through the web kiosk (an ERP system). Faculty holds at least two scheduled meetings in a semester with the underperforming students for guiding them appropriately. However, students are free to contact the mentor for any academic or personal problems.

No. of students benefitted

All

5.7 (i) Details of campus placement for B.Tech. Students (2016-17)

On Campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
79	851	665	Data not available

<b>B. Tech. Branch</b>	Total Participating Students	Total No. of Offers	% of Total Offers	Absolute offers	% of absolute offers
CSE	421	475	113%	342	81%
ECE	272	293	108%	199	73%
IT	43	52	121%	42	98%
BT	30	14	47%	13	43%
<b>Total</b>	<b>766</b>	<b>834</b>	<b>109%</b>	<b>596</b>	<b>78%</b>
<b>M.Tech./Integrated</b>					
CSE	20	12	60%	11	55%
Integrated - CSE	22	19	86%	15	68%
Integrated - BT	23	15	65%	12	52%
ECE	10	0	0%	0	0%
Integrated-ECE	10	5	50%	4	40%
<b>Total</b>	<b>85</b>	<b>51</b>	<b>60%</b>	<b>42</b>	<b>49.41%</b>

Amongst the offers received, Highest Salary package of 27 Lacs was offered by Amazon. 7 Companies offered CTC between 8 to 18 Lacs while 29 Companies offered CTC between 5 to 8 Lacs. 52 Companies have offered CTC between 3 to 5 Lacs. Major recruiters *across three campuses were 4 companies with Maximum Offers received being:* Infosys – 398, Ericsson – 171, Cognizant – 166, Wipro – 81 respectively. Students of IIIT had a distinct advantage where in the reported placement period, our students received placement scattered across 79 companies for B.Tech. and 39 companies for our MBA students.

Some of the prestigious companies where our Engineering graduates have secured placements include: IBM, Amazon, Ernst & Young, SAP Labs, Morgan Stanley, Infosys, Ericsson, Cognizant, Deloitte, Wipro, Samsung R&D, Yamaha, Naukri.com, etc. Shown in the table below (table 6) is a summary detail of different companies where our engineering students have secured placement.

#### **B.Tech. Placement for the year 2017**

<b>S. No.</b>	<b>Name of the Company</b>	<b>Salary offered (in LPA)</b>	<b>No. of offers</b>	<b>S. No.</b>	<b>Name of the Company</b>	<b>Salary offered (in LPA)</b>	<b>No. of offers</b>
<b>1</b>	Infosys	3.25	247	<b>41</b>	Accunity Soft	6	3
<b>2</b>	Ericsson	3.45	116	<b>42</b>	Axtria	6.0	3
<b>3</b>	Cognizant	3.83	109	<b>43</b>	Tech Sci	3.47	3
<b>4</b>	NTT Data	3	33	<b>44</b>	Effectual Knowledge Services Pvt. Ltd	3.5	3
<b>5</b>	Deloitte	6.2	31	<b>45</b>	Continental Automotives	3.8	3
<b>6</b>	Newgen	4.25	17	<b>46</b>	SAP Labs	10	3
<b>7</b>	Ola Cabs	11	17	<b>47</b>	FirstAidBot	3	3
<b>8</b>	Anhad Edutrain	6	16	<b>48</b>	FutureFirst	9.2	3

	Solutions						
9	Incedo	3.5	15	49	APAR Technologies	4	3
10	Kuliza Technologies	5.5	14	50	Wrig Nanosystems	3	3
11	Amazon	27.0	13	51	Lean Apps	3.5	3
12	Ernst & Young	4.5	10	52	Belzabar Software	7.2	2
13	Wipro-Turbo Hiring	6.0	10	53	BlackStone	5	2
14	Voylla Fashion	6	10	54	Convegenius	6	2
15	IBM	3.5	10	55	Hot Cocoa Software	4.5	2
16	Abyeti technologies	5	9	56	RNA Life Sciences	4.1	2
17	Innovacer	5	9	57	APAC	3.9	2
18	Gemalto	4.5	9	58	Grofers	10	2
19	FICO	7	9	59	GoPaisa.com	3	2
20	Freyr Solutions	4	8	60	Samishti Infotech	4	2
21	XL Catlin	7.5	7	61	SumoLogic	8	2
22	Phronesis Partners	3.5	7	62	Paytm	5.0	2
23	ClickSoftware	3	7	63	Minjar Cloud Solutions	6.5	1
24	Binary Semantics	3.0	7	64	TheSmartcube	5.6	1
25	Code Brew	3.5	6	65	Vehant Tech	6.5	1
26	Chegg - Education services	3.7	6	66	Grail Research	6	1
27	NEC Tech	3.25	5	67	Naukri.com	3.0	1
28	Mtree Software	4.5	5	68	Sucsseive Softwares	3.25	1
29	Yamaha Motor Solutions	4	5	69	Niki.ai	7.0	1
30	Amazon Web Services	17.75	5	70	PlaySimple Games	6.5	1
31	Tolexo	5.0	4	71	IIMjobs	4	1
32	HPE(Hewlett Packard Enterprise)	4.6	4	72	Oxyent	4.2	1
33	Zycus	6	4	73	Zeon Life Science Ltd	3.5	1
34	Hashedin	6.5	4	74	Uflex Limited	3	1
35	Quess	4.4	4	75	Rohde & Schwarz	3.8	1

<b>36</b>	Morgan Stanley	10	4	<b>76</b>	MothersonSumi INFotech and Design Ltd.	3.5	1
<b>37</b>	SquadRun	7.5	4	<b>77</b>	Imperial Life Sciences	3.5	1
<b>38</b>	iFlylabs	5.4	4	<b>78</b>	Vihan Network	5.5	1
<b>39</b>	P&S Market Research	3.3	4	<b>79</b>	Michael Page	3.5	1
<b>40</b>	Samsung R&D	7.5	4				

**(ii) Details of campus placement for MBA students (2016-17)**

<b>Specialisation</b>	<b>Participating Students</b>	<b>No. of Offers</b>	<b>% of Placement</b>
Marketing	30	32	107%
Finance	26	28	108%
HR	10	7	70%
Operations	4	2	50%
<b>Total</b>	<b>70</b>	<b>69</b>	<b>99%</b>

Eminent companies like – HCL Technologies, Mazars, F1F9, , Mansukh Securities, Decathlon, Home Credit India, ICICI Securities, Berger Paints, Allan Loyds, HIS Markit, Pearson Education etc. offered final placements with very competitive profile and compensation package. Placement for our MBA 2015-17 batch (ninth) has been close to 90%. Notwithstanding the poor market conditions, T&P was able to invite more than 33 companies from different sectors to recruit our MBA students, CTC varied from 3.5 to 6 lac pa.

**MBA Placement for the year 2017**

<b>S. No.</b>	<b>Name of the Company</b>	<b>Salary offered (in LPA)</b>	<b>No. of offers</b>	<b>S. No.</b>	<b>Name of the Company</b>	<b>Salary offered (in LPA)</b>	<b>No. of offers</b>
<b>1</b>	Amazon**	14	0	<b>21</b>	To The New Digital	3.75	1
<b>2</b>	Mansukh Securities	6.3	5	<b>22</b>	Uflex Limited-HR & Marketing Profile	3.75	0
<b>3</b>	Zycus Infotech**	6.25	0	<b>23</b>	IHS Markit	3.66	3
<b>4</b>	Allan Loyds Group	6	3	<b>24</b>	Channel Play Ltd	3.5	0
<b>5</b>	Naukri.com**	5.5	0	<b>25</b>	Ginesys	3.5	
<b>6</b>	FinEdge	5.13	2	<b>26</b>	Tectura	3.5	#
<b>7</b>	Honda Cars-HR & Marketing**	5.0	0	<b>27</b>	Mirus Solutions Private Ltd**	3.48	0
<b>8</b>	BERGER PAINTS INDIA LIMITED	5	2	<b>28</b>	F1F9	3.36	1
<b>9</b>	Magicpin.in	5	1	<b>29</b>	P&S Market Research**	3.3	0
<b>10</b>	Mazars**	4.9	0	<b>30</b>	Decathlon	3	3

11	HCL Technologies	4.75	19	31	Hi Impact Consultants	3	2
12	APAC**	4.5	0	32	HI**L	3	0
13	SNVA Ventures Pvt Ltd	4	5	33	Home Credit India	3	2
14	Cross Tab IT Consulting	4	1	34	Incrementum Technology**	3.0	0
15	Deal4Loans.com	4	6	35	Matrix Cellular**	3	0
16	ICICI Securities	4	6	36	Pearson Education	3.0	2
17	IIMs Jobs**	4.0	0	37	Rudrabuildwell	3.0	2
18	Protiviti	4.0		38	Success Pact Consulting Pvt. Ltd	3	2
19	Redington India**	4.0	0	39	Successive Softwares**	3	0
20	TechSci Research	4	1				

\*\* Note: Companies came but zero offers made, # In process

## 5.8 Details of gender sensitization programmes

The institute has a committee headed by a Professor which looks after the gender related issues and sexual harassment cases. Recently a programme to sensitize faculty towards gender sensibilities was held. A similar programme for students and support staff is planned in near future. The Institute has a committee to look after any reported cases of intemperate gender sensitive behaviour.

## 5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events: **Data not available**

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

Student's participation in various extra/co-curricular activities and awards won by students (5.9.1 and 5.9.2) are summarised below.

A representative list is given for the year 2016-17.

S.No.	Name of the activity	Student organisers	Details of event, No. of participants
1	TECHBLOCKS	IEEE	WORKSHOP , 23 <sup>rd</sup> August – 1 <sup>st</sup> September

2	TECHBLOCKS	IEEE	WORKSHOP , 3 <sup>rd</sup> October – 7 <sup>th</sup> October
3	XENITH 2K16	IEEE	IEEE Event, Competition – Online & Offline
4	JAMBORE SESSION	IEEE	Demonstration, 22 <sup>nd</sup> February ,85
5	WORKSHOP ON BIG DATA ANALYSIS	IEEE	DEMONSTRATION , 22 <sup>ND</sup> March , 80
6	MANUAL ROBOTICS	UCR	WORKSHOP, 19-29 September, 300-350
7	DRAGONO-VOLTZ (MANUAL EVENT)	UCR	COMPETITION , 6 <sup>TH</sup> -7 <sup>TH</sup> October, 280-300
8	PCB WORKSHOP	UCR	WORKSHOP, 22 -27 August, 180-200
9	COA PROJECT WORKSHOP	UCR	WORKSHOP, 13-15 October, 100-150
10	AUTONOMOUS ROBOTICS	UCR	WORKSHOP , 18 <sup>TH</sup> -24 <sup>TH</sup> January , 350-400
11	CYBER SRISHTI AUTOMATED ROBOTICS CHALLENGE	UCR	COMPETITION , 23 <sup>RD</sup> -24 <sup>TH</sup> April , 250
12	EXECUTE 16.1	KNUTH	COMPETITION , 7 <sup>TH</sup> May, 600
13	ENCODE 16.1 QUALIFIERS	KNUTH	COMPETITION , 29 <sup>TH</sup> September
14	ENCODE 16.1 ON-SITE FINAL	KNUTH	COMPETITION , 1 <sup>ST</sup> October
15	EXECUTE 16.2	KNUTH	COMPETITION , 19 <sup>TH</sup> November
16	THE JOUST	PAROLA	LITERARY FEST, 7 – 8 October, 250
17	JAYPEE MODEL UNITED NATIONS	PAROLA	MUN, 20 -21 January, 600
18	THE INQUILAB CATECHIZE	RIBOSE	QUIZ COMPETITION, 24 January, 2017
19	Welcome to Linux	OSDC	1 day workshop on Linux systems, 30 September, 2016, 100
20	Introduction to GIT	OSDC	1 day training workshop on GIT Hub, 13 October, 2016, 120
21	Drupal Camp 2016	OSDC	2 day camp on Drupal Technologies, 12-13 November, 2016, 350
22	Hackathon – Open Source	OSDC	Onsite Hackathon on the theme “IT for Sustainability” , 22 April, 2017, 150
23	Algofuzz 16.2		Individual Event, 26th Sep 2016, Onsite Programming Contest, count=50+ teams comprising of 2-3 students per team
24	Programming Contest: Enigma 16.1		Individual Event, 25th Nov 2016, Online Programming Contest, 140
25	Code Fight		Along with Institute Fest, 4th Feb, 2017, Onsite Programming Contest, 60
26	Code Space		Along with Institute Fest, 4th Feb, 2017, Onsite Programming Contest, 60
27	CodeFlux-2017		Along with Institute Fest, 5th Feb, 2017, Onsite Programming Contest, 210
28	Algofuzz 17.1		Individual Event, 15th Apr 2017, Onsite Programming Contest, 150

Following information will remain same as it gives an over view of each hub.

Extra/Co-curricular activities including sports are essential for overall grooming of students which include building of confidence, high self esteem, adaptability, leadership skills, soft skills etc. In order



to ensure wider participation by both boys and girls, 16 Hubs have been constituted under different faculty-in-charge who themselves have the flare for the activities conducted by their respective Hubs.

In addition a techno cultural fest “IMPRESSIONS” is also organized annually, over a period of two days. Many technical and cultural competitions are organized during the Fest and students from outside Institutions are also invited to participate and compete. All these activities are primarily organized by the students and overseen by the designated faculty. Focus areas of the Hubs and their activities are enumerated below.

- (i) **µCR (ROBOTICS HUB):** Workshop on Image processing, Manual robotics, embedded system Autonomous Robotics, on the spot Microcontroller Coding etc.
- (ii) **Multi Media Hub:** To promote & practice Multi Media related activities that include various streams such as Gaming Development, Digital Content development etc.
- (iii) **Radiance Hub:** Activities such as Mr & Ms Ebullience, Theme night etc.
- (iv) **Parola Literary Hub:** Parola Literary Hub is a place where all students of JIIT are welcome to engage in free speech, debate, and merriment. Its aim to produce competitive debaters and writers whilst ensuring membership of the society is pleasurable experience for all.
- (v) **Jaypee Youth Placement and Jaypee Model United Nation** are also held annually. Both these events evoke tremendous response from reputed institutes from NCR and outstation. Over 400 students participate in each of these events by replicating the proceedings of Parliament and United Nations and debate on current national/international issues.
- (vi) **The Page Turner Society:** It is a book club. With no restriction to the subject, book reviews, critical analysis of interesting ideas & share and exchange books were organized.
- (vii) **Ribose Hub:** The aim and objective of this hub is to provide student's exposure to the upcoming technologies and to spread awareness among students in the field of Biotechnology. Article Writing, Bio Quizzo, Poster competitions etc are held.
- (viii) **Knuth Programming Hub:** Knuth is a Programming Hub of JIIT Noida and was started in year 2011 with a vision to develop a community of coders/programmers at JIIT. Programming workshops and contests are held periodically and is very popular with the students.
- (ix) **Kalakriti (Rangoli Hub):** Rangoli competitions are organized.
- (x) **Rachnavriti (Graphics and Animation Hub):** A Hub highly committed to academic and designing excellence, offering a unique designing experience to the students to enhance their imaginative and relative aspects.
- (xi) **Painting and Sketching Hub:** Not everyone can make a living depicting their moods by way of creative endeavors, but almost everyone can pick up a brush and find a new way to convey emotions. This was the main motive behind the painting hub which organizes painting competitions on various themes and forms.
- (xii) **Swar Sangam (Music Club):** **Swar Sangam**, the Indian music society of the Institute is actively involved in learning Indian classical music and in encouraging maximum exposure to each of its members through active participation in competitions and events.
- (xiii) **CICE:** CICE is a hobby club of JIIT that aims to teach and help students in understanding the seemingly incomprehensible electronic concepts. It also assists students in understanding the existing gadgets and developing their own devices.
- (xiv) **Jhankar (Dance Hub):** **Jhankar**, a dance club organizes all the intra Institute and inter Institute dance activities.
- (xv) **Drama and Theater Hub:** This provides platform for the students in theatrical activities including Street plays.
- (xvi) **Google Developers' Group:** Also known as GDG JIIT NOIDA, is a community of developers for open source, web and app based technologies. GDG aim at spreading a plethora of technical knowledge and skills that makes up a developer. This is also a platform made for every tech-savvy who needs to quench his thirst for technology, and take him to dizzying heights. Made from a team of high-spirited members, hubs strive to spread their love for Google and its widespread works. In a short span of its up-and-coming, GDG have organized numerous events, ranging from hours-long orientations and interactive sessions, to week-long workshops, and periodic competitive events such as 'ANDROID 15.2, DYNAMIC WEB DEVELOPMENT, DEVFEST'15, C WITH GRAPHICS, MARIO: THE HUNT,

CODEVENGERS, GOOGLED ABOUT GOOGLE. ADVANCED WEB DEVELOPMENT and CODE, DEBUG & SIMULATE.

- (xvii) **Sports Hub** : The fourth edition of Fun Sports Meet 2016 was conducted in the month of November 2016 and witnessed a tremendous participation from the students of IIIT Noida as well as IIIT 128 (hostellers). The event witnessed an overwhelming number of registrations (1175) for 9 sports which took place in a span of around 1 week, and total participation was about 2000.

The prize distribution ceremony of FSM was organized on 8<sup>th</sup> May 2017. The ceremony kicked off with inspiring words by the Vice Chancellor, Prof. S. C. Saxena and Cmde. K. K. Rohtagi, VSM (Retd) who lifted up the spirits of the students. Various cultural performances by the students kept the environment engaged and were highly cherished by the audiences.

Disciplines included cricket, basketball, football, volleyball, table tennis, badminton, chess, pool/snooker and Frisbee. Volunteers were provided with the certificates for their contribution in making the event successful. The winners and runner ups of all the sports were duly awarded with their medals and certificates as a token of appreciation for their brilliant performance in various sports. The ceremony ended with the heightened hopes of the students to participate in FSM 2017.

#### 5.10 Scholarships and Financial Support

	Number of students	Amount (Rs. In Lakhs)
Financial support from institution [M. Tech. (51) + Ph.D. (55) + others (10)]	116	92.56
Financial support from government funded projects for supporting staff (JRF+SRF+PA)	28	67.71
Financial support from other sources	-	-
Number of students who received International/ National recognitions		
Total	144	160.27

Details of the scholarships and financial support during 2016-17 are given below.

#### (A) For UG Students

##### (i) The Jaypee India Scholars Fund

The Jaypee India Scholars Fund had been launched to provide financial assistance to meritorious students with poor financial and economic conditions for pursuing higher technical education w.e.f. 2008.

Students are being provided financial assistance equivalent to the total fee (Tuition Fee and Development Fee as applicable to the batch of their entry) every year for pursuing the programme starting from the admission year. The students are required to repay back the total scholarship amount over a period of 3 years, after graduating from the Institute.

##### (ii) William Webster Merit-Cum-Means Scholarship

The managing trust has setup an initial corpus of Rs. 20 Lac for the Merit-Cum-Means Scholarship. The scholarship is provided to students from the Academic Year 2004-05 onwards. Selected students get a tuition fee waiver for the year up to a maximum of one semester.

The numbers of students and total amount of scholarship provided for the AY 2016-17 are as follows:

FY	No of students	Amount (Rs. In Lakhs)
2016-17	8	4.6

**(B) For PG Students****Teaching Assistantship:**

Teaching Assistantship of Rs. 8,000/- per month is provided to the students admitted to M. Tech. based on their GATE Score. In addition some students admitted through PGET Programme are also considered based on their performance in first year. The numbers of students and total amount of scholarship provided for the AY 2016-17 are as follows:

<b>FY</b>	<b>No of students</b>	<b>Amount (Rs. In Lakhs)</b>
2016-17	51	19.94

**(C) For Ph.D. Students****Research Fellowship:**

Research Assistantship is available for all Ph.D. Scholars registered in full-time category provided they are not in receipt of any assistance/ scholarship/ fellowship/ salary, etc., from any organization/ Institution/ source, etc. The same is provided @ Rs. 18,000/- per month. The numbers of students and total amount of scholarship provided for the AY 2016-17 are as follows:

<b>FY</b>	<b>No of students</b>	<b>Amount (Rs. In Lakhs)</b>
2016-17	55	67.95

**(D) For UG/PG & Ph.D. Students****Financial Assistance for conferences/ seminars:**

In addition to above, JIIT provides financial assistance to the UG/PG/ Ph.D. students for attending conference/ seminars/ workshop etc under the incentive programme available to them, as per the Institutional policy. Students also avail assistance from Govt. agencies.

The details of number of students and total financial assistance provided to them for AY 2016 are as follows:

<b>FY</b>	<b>No of students</b>	<b>Amount (Rs. In Lakhs)</b>
2016-17	2	0.07

**5.11 Student organised / initiatives**

Fairs *	: State/ University level	Nil	National level	Nil	International level	Nil
Exhibition **	: State/ University level	01	National level	01	International level	Nil

\*\* Paiting Exhibition in Techno-cultural fest - Impressions (College Fest) : Feb, 25-26, 2017; Annual Tech Fest (Feb. 4-5, 2017)

**5.12 No. of social initiatives undertaken by the students** Several

Social initiatives are summarised below.

JIIT was established under the umbrella of Jaiprakash Sewa Sansthan, a not-for-profit trust envisioned by Shri Jaiprakash Gaur, the founder Chairman of Jaypee group, to discharge its responsibility towards the society. All constituents of the Institute are made aware of its Institutional Social Responsibility.

The Institute offers a Social Internship programme of 3-credit which is mandatory for all MBA students and is equivalent to one full course. It requires each student to work with NGO to learn about the social issues, activities and finally apply their managerial learning to improve the effectiveness of the NGO. Evaluation is done on the basis of project report submitted by the students on the basis of their work with community. There are 155 NGOs with whom students have carried out their projects.

The department of HSS offer some courses such as Ethics, Values and Stress Management, Industrial Sociology, Development Economics, Organizational Psychology, International Studies, etc. to inculcate social and ethical responsibility among students. Projects undertaken by students to apply their learning on real life situations specially the problems of underprivileged communities is given due weightage.

Several committees have been set up under the Jaypee Youth Club to infuse social awareness and responsibility among students. Initiatives taken by the students include simulation and role plays of United Nations committees to deliberate and debate over contemporary social and economic issues around the globe with feasible and implementable solutions; organizing blood donation camps; educating underprivileged slum children, children of construction labourers and street vendors around the Institute campus; collecting and distributing books, items of need, old clothes in neighbouring underdeveloped areas; teaching computer to under privileged children through NGOs; planting trees in and around the campus to name a few. Few student organizations have been formally registered as NGOs such as It's Your Earth, Support Foundation, and start-ups such as ScrapLabs. These organizations provide items of need and consumables to such people around the campus; awareness by conducting workshops for such children on issues such as cleanliness, anti-begging, anti-drugs and importance of work; create sports and physical fitness awareness among such children by giving them opportunity to participate in competitive events; and conduct activities to build logic and reasoning, and perceptual abilities of underprivileged children. Besides all these, faculty and students have participated in blood donation camps held in collaboration with Rotary Club.

Many projects have been undertaken in the Industrial Sociology course wherein students have conducted social surveys at Bhushan Steel Ltd., Gail India Ltd., Shakti Bhog, Expert Founders and Engineers Agra, Parle Agro, Ayur Vet (in the year 2012 to 2014) to name a few and researched the labour problems related to working conditions, housing, basic amenities, gender and ethnic inequalities, working poor, drugs, crime and deviant behaviour etc. The Institute has a mechanism to track students' involvement in various social awareness activities and citizenship roles. The Institute has set up committee viz., Parola, The Literary Hub and The Thespian Circle that conduct events based on social agenda. The hubs inspire students to actively participate in it. The participation is acknowledged through certificates, commendations and is mentioned in the Institute's annual report. The Institute also conducts events and competitions to foster social awareness and responsibility, such as street plays, stage shows, youth parliament, mock United Nations and debates, to name a few.

The extension activities complement students' academic learning experience by instilling in them the feelings of philanthropy, compassion, gratitude; imbibing values, integrity, patience and perseverance; motivating them to follow more ethical practices and show commitment in all their endeavours.

5.13 Major grievances of students (if any) redressed: \_\_\_\_\_

The Institute has an open door policy wherein any student can walk into any office to resolve his problem. There is also a six member grievance cell headed by a Professor.

## Criterion – VI

### **6. Governance, Leadership and Management**

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

##### **Vision**

To become a centre of excellence in the field of IT and related emerging areas of education, training and research comparable to the best in the world for producing professionals who shall be leaders in innovation, entrepreneurship, creativity and management.

##### **Mission**

- To develop as a benchmark university in emerging technologies
- To provide state-of-the-art teaching learning process and R&D environment
- To harness human capital for sustainable competitive edge and social relevance

#### 6.2 Does the Institution has a management Information System

The institute has computerized management information system (ERP system) to monitor day to day activities of administration, attendance recording of faculty/staff and students, finance management, recruitments, academics, feedback from stakeholders, and examination system. All these activities are efficiently monitored by the ERP system.

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

##### 6.3.1 Curriculum Development

The Institute has a well established process for design and updation of curriculum. Curriculum design or updation takes into account feedback and experience of students, faculty, alumni, industry, and experts from other institutes, requirement of professional bodies like IEEE, ACM, NASSCOM, CII, etc., as also the curriculum in vogue at nationally important Institutes like IITs, IISc, IIITs, IIMs, etc. The courses/curricula are designed at the departmental/ Institute level, and the process followed is as under:

Inputs from all the sources mentioned above are taken into account and discussed in various committees at departmental and institutional levels. These committees have invited-experts as members in addition to the faculty of the Institute. The recommendations of these committees are then placed before the Board of Studies (BOS) which comprises all Deans, all HoDs, selected departmental faculty and external experts. Sometimes prior to designing courses and curriculum, workshops are held with participation from industry and other institutions in addition to Institute's faculty. Recommendations of BOS are placed before the Academic Council which is the highest body of the Institute to decide on all academic matters including curriculum of each programme. Academic Council has participation from all sections of the Institute, external experts and has a provision for special invitees.

Each course specifies its objectives, learning outcomes, lecture plans and references in addition to the syllabi. Course contents are regularly updated based on feedback and experience of both students and faculty.

The Institute uses the guidelines of regulatory bodies like UGC and AICTE while revising/ restructuring and developing the curriculum.

### 6.3.2 Teaching and Learning

All the programmes and courses are developed with clearly defined learning objectives and outcomes. All faculty members across the various Departments of Engineering discipline and Business School are sensitized and encouraged to design, develop and conduct their courses in the context of specific learning outcomes.

All assessments, both continuous and end-term/ semester, in each of the programme and courses are geared to evaluate the extent to which students have been able to acquire the pre-decided learning outcomes and competencies. The course outcomes are linked with the graduate attributes and the programme outcomes. These attributes are adequately reflected in the programme output, i.e., job placement, global acceptance for higher studies, student performance in various competitions and feedback from stakeholders.

Learning outcomes for all the academic programmes have been clearly articulated, documented and made available on the Institute website/ study material folder. The learning outcomes of each course are discussed among the faculty within the department and other Institute bodies such as BOS, Academic Council, etc., so that they are in-line with the programme outcomes. In order to make students aware of the learning outcomes of each course, mention of these outcomes is made mandatory in each course outline and every faculty member compulsorily mentions the learning outcomes of the course offered in the course content and schedule.

All programmes are designed and delivered in a manner to develop ability to apply knowledge besides learning the concepts and theory. The teaching-learning methodology adopted at JIIT is a mix of the following:

- Lectures
- Faculty/student led discussions
- Scenario/situation reactions
- Case discussion
- Projects
- Lab experimentation
- Workshops/seminars
- Term paper
- Dissertations
- Mentoring by faculty members
- Hand-holding by senior students and alumni
- Industrial/ corporate/ social training

### 6.3.3 Examination and Evaluation

The Institute has always been open to reforms in evaluation/ examination process to achieve transparency, timeliness, objectivity and fairness in evaluation, student satisfaction etc. Some progressive examination related existing practices are summarised in 2.8.

### 6.3.4 Research and Development

JIIT envisions to become an institution of excellence in imparting quality teaching to empower young generation with knowledge, skills and research attitude. The Institute is continuously making efforts to improve the lab facilities for research and innovative activities including IT infrastructure.

Every year, present and future needs for upgrading and creating research facilities in the emerging research areas are assessed through departmental faculty meetings and communicated to the Institute Academic Management Committee. The requirements of all departments and JBS are discussed and provision is made in the budget of the



Institute accordingly. For long term requirement of infrastructure, the Planning and Monitoring Board of the Institute prepares the proposal for the Finance Committee and Board of Management (BOM). On approval of BOM, year wise financial break up is included in the budget of the Institute.

The Institute formulates strategies for the following to meet the needs of researchers:

- Human resource development
- Addition of new research facilities
- Creation of new research space

#### 6.3.5 Library, ICT and physical infrastructure / instrumentation

The Institute maintains adequate physical infrastructure for teaching-learning, research, extra-curricular activities for faculty, students, and staff through an established mechanism of resource planning and execution. Adequacy of physical infrastructure is discussed by Institute Administrative Committee from time to time.

The physical infrastructure of the Institute is created as per AICTE norm with 20-30% extra space for futuristic planning. The JIIT campus is spread in 25.45 Acres. The total built-up area of the Institute is 1,58,097 sq.mt, which includes 55 Class Rooms, 27 Tutorial Rooms, 13 conference rooms and 75 Laboratories. Out of 55 class rooms, 41 class rooms are ICT equipped.

For optimal utilization of physical infrastructure, the Institute has developed a model of resource sharing in which academic infrastructure like lecture theatres, tutorial rooms and laboratories are shared by all the departments to run their programmes. Sharing is made possible by making the timetable centrally for all the programmes. Provisions have also been made for need based use of infrastructure outside the timetable through the web-kiosk (ERP software). Availability of these resources can be seen online by all faculty and staff for appropriate planning.

#### 6.3.6 Human Resource Management

The Institute has a rich pool of well qualified human resources to meet all requirements of the Curriculum.

JIIT being a private unaided institution, the Board of Management (Governing Body) has approved that the faculty be decided and enrolled based on the assessed requirements. Flexibility has been allowed to cater for additional recruitment whenever needed without any restraint on the numbers. This ensures smooth conduct of programmes, and enables the Institute to meet the requirement due to changes in curriculum and additional courses. While doing so, the norms and parameters laid down by the UGC/AICTE for faculty are observed for compliance.

The Institute has a well defined system of recruitment in place to ensure that the best faculty with desired capability and qualification is inducted. For engineering and management programmes, the qualification for faculty position in the Institute is Ph.D. / M. Tech./ MBA from a reputed institution preferably with some teaching/industrial experience. For faculty in the departments like, PMSE, Mathematics, HSS and Biotechnology, the candidate with Ph.D. are recruited. The steps involved in the recruitment process are as follows:

**Step-1:** The faculty requirement of various departments is identified keeping in view the specialization of areas and courses to be taught, changes in curricula, availability of resources, additional requirement keeping the loads in the forthcoming time and



likely attrition. The process helps in identifying the required numbers and areas of specialization.

**Step-2:** Faculty positions are advertised in the National Dailies, besides uploading the requirement on the Institute website under career openings. Fliers/ information about faculty recruitment are also shared with important Institutes. On an average the Institute receives more than 10,000 applications every year.

**Step 3:** Applications are received online. The candidates are shortlisted for the interview based on specific requirements by screening committee constituted by Vice Chancellor.

**Step 4:** The interviews are held by the select panels as per the MOA of the Institute. Subject experts from the institutes of national repute like IITs are invited to be members of the select panels.

The strength of faculty in the last five years has gone up from 150 to 255.

Institute also employs visiting faculty. Such faculty is invited based on their experience, high degree of research knowledge or industrial experience to conduct the courses as part of curriculum. Approximately more than 100 visiting faculty including those from abroad have been invited in the past to conduct various courses in engineering and management programmes. Further, the Institute has been empowered to enrol adjunct faculty on its rolls. Such services were used in the past. In addition, guest lectures by eminent people from industry/ academia greatly assist in enriching the contents in the advanced courses. The Institute continuously strives to improve the faculty ratio, keeping the quality and experience as a prime requirement in view.

The rich quality and strength of faculty enables the Institute to launch the best of the courses in its curricula as necessitated by the changing trends.

Further, the Institute ensures the up-gradation of knowledge base of faculty through faculty development/ recharge programmes.

#### 6.3.7 Faculty and Staff recruitment

The Institute has a well defined system of recruitment in place to ensure that the best faculty with desired capability and qualification is inducted. For engineering and management programmes, the qualification for faculty position in the Institute is Ph.D. / M. Tech./ MBA from a reputed institution preferably with some teaching/industrial experience. For faculty in the departments like, PMSE, Mathematics, HSS and Biotechnology, the candidate with Ph.D. are recruited. The steps involved in the recruitment process are as follows:

**Step-1:** The faculty requirement of various departments is identified keeping in view the specialization of areas and courses to be taught, changes in curricula, availability of resources, additional requirement keeping the loads in the forthcoming time and likely attrition. The process helps in identifying the required numbers and areas of specialization.

**Step-2:** Faculty positions are advertised in the National Dailies, besides uploading the requirement on the Institute website under career openings. Fliers/ information about faculty recruitment are also shared with important Institutes. On an average the Institute receives more than 10,000 applications every year.

**Step 3:** Applications are received online. The candidates are shortlisted for the interview based on specific requirements by screening committee constituted by Vice Chancellor.

**Step 4:** The interviews are held by the select panels as per the MOA of the Institute. Subject experts from the institutes of national repute like IITs are invited to be members of the select panels.

The strength of faculty in the last five years has gone up from 150 to 255, while admin and technical staff is around 146.

Institute also employs visiting faculty. Such faculty is invited based on their experience, high degree of research knowledge or industrial experience to conduct the courses as part of curriculum. Approximately 100 visiting faculty including those from abroad have been invited in the past to conduct various courses in engineering and management programmes. Further, the Institute has been empowered to enrol adjunct faculty on its rolls. Such services were used in the past. In addition, guest lectures by eminent people from industry/ academia greatly assist in enriching the contents in the advanced courses. The Institute continuously strives to improve the faculty ratio, keeping the quality and experience as a prime requirement in view.

The rich quality and strength of faculty enables the Institute to launch the best of the courses in its curricula as necessitated by the changing trends.

Further, the Institute ensures the up-gradation of knowledge base of faculty through faculty development/ recharge programmes.

#### 6.3.8 Industry Interaction / Collaboration

The collaborations have resulted in the establishment of following specialized laboratories:

##### (i) Centre for MEMS (Micro Electro Mechanical System) Design

The Centre for MEMS design was set-up at JIIT in the ECE department in the year 2009 as part of Institute's response to launch MEMS activity supported under National Programme on Micro and Smart Systems (NPMASS) by the Govt. of India. The software support has been provided by Aeronautical Development Agency (ADA) and has been found to be useful for UG, PG and Research students of the University.

##### (ii) Advance Research Lab in Electronics

**Advanced Research Lab in Electronics** has been established in the Department of ECE with industry collaboration, where University-Industry Interaction resulted in creation of Chip design expertise in this centre. Mentor Graphics (Sponsoring Agency) has provided the software and financial support for prototyping JIIT's first CMOS Chip using a commercial foundry in Europe.

(iii) The Institute has already created an entrepreneur cell named as PRAYAG, equipped with all the desired facilities, to provide an opportunity to develop an entrepreneurial skill by the students of JIIT. The student's innovative efforts under this cell have been promoted.

(iv) A joint elective course on "Advanced Radio Access Network" in collaboration with Ericsson India has been initiated in the academic year 2016-17. Almost 50 students of 4<sup>th</sup> year from ECE department have been benefitted from this joint program.

(v) Two Laboratories for PG students have been created in this academic year (PG1 and PG2) in ECE Department.

#### 6.3.9 Admission of Students

The Institute carries out admissions to all its UG, PG, and Ph.D. programmes purely on the basis of merit in national level competitive examinations through a transparent

and well administered mechanism. The admission related events, schedules and procedures are widely publicized through advertisements in national newspapers and magazines, educational web portals, social media, and Institute website. A candidate has the option to apply online or submit an application as a hard copy. The details of such applicants are also maintained online and displayed on the website. All the candidates are provided a unique reference number which can be used to see the status of their application online.

To ensure transparency, complete details of academic programmes, seats available in each programme, admission process like meriting and counselling for the UG programmes are available on the Institute's website for information of the candidates. The complete admission process is software controlled; ensuring merit based counselling which is carried out in front of the shortlisted candidates and their parents. During counselling, the details of available and filled seat are projected live on the screens in the counselling halls. These details are also made available live on the Institute's website.

The results of the UG, PG and Ph.D. programmes are also made available on the Institutional website.

#### 6.4 Welfare schemes for

Teaching	√
Non teaching	√
Students	√

Welfare schemes for teaching and non-teaching:

Several welfare schemes for teaching and non-teaching staff are in place. Some of these are:

- Study leave (a) with full pay (b) with reduced pay and (c) without pay.
- Sabbatical leave
- 90 days paid Maternity leave.
- Registration charges in full and 50% TA/DA for attending Conferences / Seminars / Workshops / Training Programme along with paid leave in India and abroad.
- Paid leave for visits in connection with research work.
- Paid leave for meetings of statutory bodies/government agencies/ regulatory bodies, etc.
- Partial financial support for research.
- Medical facilities
- Medical insurance
- EPF and gratuity
- Advance increments for exemplary work
- Leave Travel Allowance
- Conveyance Allowance
- Furnishing Allowance
- Book Allowance
- Medical Allowance
- Leave Encashment
- Loan for medical emergency

Welfare schemes for students:

The Institute has a structured system to provide support, guidance and mentoring to the students in all their activities as follows:

- Dean (A & R) and Dean (RID): Overall academic activities
- Dean (Student Welfare): Complete support to students for their well being on campus including hostel
- HODs: Overall mentoring and monitoring of students of the Department
- Faculty: Small groups of students (30) have been assigned to designated faculty for their mentoring and guidance

- Wardens: Hostel related issues of students
- Faculty in-charge of extra-curricular and co-curricular hubs: Hub activities
- Registrar: Complete support in terms of Admission, registration, documentation, attendance, monitoring of programmes, etc.

6.5 Total corpus fund generated

6.6 Whether annual financial audit has been done Yes ☒ No ☐

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	NA	Yes	Internal committee
Administrative	No	NA	No	NA

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?

**The existing examination/evaluation reforms are summarised in 2.8.**

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

Not Applicable

6.11 Activities and support from the Alumni Association

A faculty has been assigned as Alumni Relation Officer to facilitate the alumni activities. There is a dedicated Alumni website and regular interaction with the Alumni takes place. Last alumni meet was held on 14 February, 2015. Thereafter, no alumni meet was held.

6.12 Activities and support from the Parent – Teacher Association: Parent-Teacher Association does not yet exist but the interaction of faculty with parents is always open in-person or through telephone.

6.13 Development programmes for support staff: On-job training by experienced staff is given.

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

Initiatives of institute to make the campus eco-friendly are summarised below.

The Institute has a green audit committee and well defined norm for green audit. IIIT campus displays an environmental friendly design and architecture. The Institute has incorporated several green principles and has won the prestigious Governor General's Medal - 2008, the highest Architectural award instituted in Canada for incorporating sustainable and environmentally friendly architectural design. Some green architecture practices incorporated include:

- Employing porous terracotta brick as external surface of the entire building, a sustainable

indigenous option that permits free air exchange and works on principle of internal thermal insulation.

- The external structures are completely devoid of any synthetic paint or heat reflecting glass that hugely contributes to heat island effect.
- Roof top insulation was provided to limit energy losses.
- The central atrium of the campus functions with zero electricity. The upper half of the atrium is covered with partially tilted panels as roofing which allows ample amount of day light and cool air contributing to day light saving.
- The orientation of the panels is such that the rain water is diverted to collecting channels and does not drip in atrium keeping it dry even in rainy season.
- Every segment of the building has double screened terracotta & brick walls facing to the exterior incorporating effective energy utilization principles.

The campus respects power conservation and has implemented certain measures to ensure power saving like: use of CFL lamps instead of GLS lamps in residential flats, use of solar backed LED landscape lights instead of par lamps, operating all the 1637 computers on campus on a 5 minute auto power save mode (when left inactive), use of day light harvesting and electronic ballast in institutional, health, recreational and other buildings.

The campus believes in use of renewable energy and recycling resources. The New Hostel Block of JIIT has 2500 LPD ETC based solar water heating system. The campus has 6 water recharging pits constructed on the campus for rain water harvesting. Watering of the entire green area of the campus is done by recycled water. JIIT campus has ample greenery and is the proud recipient of 'Best Gardens' award from Horticulture Society for Noida and Greater Noida for the last eight consecutive years in the category of colleges and universities.

The campus maintains a clean and effective waste management strategy. The Institute has an annual waste management contract with M/S Synergy Waste Management (P) Ltd. for Bio-medical waste management. The e-waste generated from the campus is very limited and is handed over to authorized e-waste management dealer. All the biodegradable waste generated from the campus is collected on a daily basis by a local pig-farming unit.

The Institute offers an environmental studies course across all streams for creating environmental awareness and sensitivity among students.

## 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.

Some of the innovations which made impact are –

- Cross level peer mentoring
- Large no. of elective choices
- Emphasis on students projects
- Infusion of contemporary issues
- Sensitization towards IPR
- Enhancement of research activities through research fellowships and conferences

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

The following action have been taken:

Establishment and strengthening of IQAC

Revision of B.Tech curriculum and to generate the options for more Electives

Introduction of two new M.Tech programs- M. Tech. in CSE with specialization in Mobile Technology and M. Tech. in CSE with specialization in Data Analytics (DA)

Computerization of IQAC processes has been initiated and made significant progress

A Jaypee Innovation Conclave (JIC) was held in April 2017 where entries from the students of all Jaypee sister Institutions were invited.

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

#### **BEST PRACTICE-I: Research as Integral Part of Learning**

Objective: To nurture and enhance creativity, innovation and technical competence.

Context: Structured research environment in education has been key driver for the development.

Practice

- A MOU has been signed between NRDC, New Delhi and IIIT, Noida on Jun. 6, 2016 in order to promote patents.
- A MOU has been signed between Ericsson India and IIIT, Noida on Mar. 02, 2017 in order to promote Institute – Industry tie-up programs.
- Two minor projects and one major project is part of B.Tech curriculum.
- High degree of laboratory courses infuses technical competence and design culture.
- Project based learning is inbuilt component of most of the courses.

Evidences

- Institute is having no. of research projects granted by funding agencies like- DST, DRDO, DBT, ICMR etc.
- Institutes publication profile has been found to be improved every year for last few year.
- As a result of MOU, an elective course on “Advanced Radio Access Network” in collaboration with Ericsson India has been initiated in the AY 2016-17.

**BEST PRACTICE-II: E-management: For Effectiveness and Transparency**

**Objective:** Use of E- Management tools in all organs of institute for effective and transparent functioning.

**Context:** Use of IT in all facets of institute functioning enhances productivity and transparency. It also increases effectiveness in all academic and administrative functions.

**Practice:**

- Availability of complete information on courses, faculty, timetable, academic calendar on institute web site.
- Study material folder having subject content to enable 24x7 learning.
- Webkiosk maintains all the student information like course attendance, marks, grades etc.

**Evidence:**

JIIT has transparent and healthy work culture. IT enabled teaching helps students to learn at their convenience after the class. Employee information, library information system, well defined policy for promotion help in effective and healthy faculty – student – management interaction.

*\*Provide the details in annexure (annexure need to be numbered as i, ii, iii): Pl. See Annexure:i-ii*

#### 7.4 Contribution to environmental awareness / protection

JIIT has green audit committee and well defined norms for green audit. Some of the green architecture principles adopted included –

- Use of porous terracotta bricks for external surface
- Avoidance of use of synthetic paints or heat reflecting glasses
- Rain water harvesting
- Effective waste management etc.

The institute offers an Environmental Studies course across all streams for environmental awareness creation among students.

Institute has won following awards in recognition of its efforts for environmental protection –

- Governor General Medal – 2008 (highest architectural award instituted in Canada) for sustainable and environmentally friendly architecture design.
- JIIT campus has ample greenery and has received Best Garden Award from Horticulture Society for Noida and Greater Noida for last 8 consecutive years.

7.5 Whether environmental audit was conducted?

Yes

☒

No

☐

The internal environment audit team has been constituted under the convenership of one of the Sr. Faculty of JIIT. With an exhaustive checklist of Environment related process by the Convener, the environment team made several visits in and around the campus to assess the pollution related affairs of the Institute. Broadly, air, water and noise pollution parameters have been checked thoroughly and the



corresponding reports and recommendations have been put up before the competent authority of the Institute.

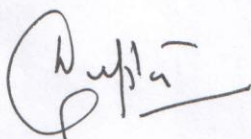
7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

Project Based learning is integral part of academics in IIIT.

**8. Plans of institution for next year**

- The computerization of IQAC processes will be continued and most of the feedback collection will be made on line and analysis will be automated.
- The recommendations of IQAC will be considered for implementation.

Name Prof. H O Gupta



Signature of the Coordinator, IQAC

Name Prof. S C Saxena



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
IQAC	-	Institute Quality Assurance Cell
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

\*\*\*\*\*

***IQAC Academic Calendar of the Year 2016-17*****Institute Quality Assurance Cell  
Calendar for filling the Performas****a. Academic (Teaching and Learning)**

<b>S. No.</b>	<b>Form No.</b>	<b>Title</b>	<b>To be filled by</b>	<b>Date of filling</b>
1	QA-AC-1	Student feedback analysis Theory courses	Registrar / Dean Academic	31 Jan. 2017 30 Jun. 2017
2	QA-AC-2	Student feedback analysis Laboratory courses	Registrar / Dean Academic	31 Jan. 2017 30 Jun. 2017
3	QA-AC-3	Faculty feedback	Faculty <b>On Line</b>	15 Dec. 2016 15 May. 2017
4	QA-AC-4	Department feedback on use of equipments	Department <b>On Line</b>	15 May 2017
5	QA-AC-5	Feedback of educational experience of students visited abroad in academic exchange programme.	Department <b>On Line/Offline</b>	15 May 2017

**b. Academic (Research)**

<b>S. No.</b>	<b>Form No.</b>	<b>Title</b>	<b>To be filled by</b>	<b>Date of filling</b>
1	QA-AR-1	Summary of Publications	Faculty/Department <b>On Line</b>	14 Aug. 2017
2	QA-AR-2	Sponsored R&D Project	Faculty/Department <b>On Line</b>	14 Aug. 2017
3	QA-AR-3	Master and Ph.D. Degrees	Faculty/Department <b>On Line</b>	4 Aug. 2017
4	QA-AR-4	Patent Registered by IIIT Faculty/Students	Faculty/Department <b>On Line</b>	14 Aug. 2017
5	QA-AR-5	Awards & Achievements	Faculty/Department <b>On Line</b>	14 Aug. 2017
6	QA-AR-6	B.Tech Major Project	Faculty/Department <b>On Line</b>	14 Aug. 2017
7	QA-AR-7	Summary of Review articles and Books in Developing areas	Faculty/Department <b>On Line</b>	14 Aug. 2017
8	QA-AR-8	Interdisciplinary Research	Faculty/Department <b>On Line</b>	14 Aug. 2017

**c. Stakeholder Relationship**

<b>S. No.</b>	<b>Form No.</b>	<b>Title</b>	<b>To be filled by</b>	<b>Date of filling</b>
1	QA-SR-1	Faculty feedback form	Faculty <b>On Line</b>	19 June 2017
2	QA-SR-2	Trustee feedback form	Trustee	19 June 2017
3	QA-SR-3	Non-teaching feedback form	Non-teaching <b>On Line</b>	01 June 2017

4	QA-SR-4	Student feedback on undergraduate/post graduate education experience acquired from IIIT	Students	02 June 2017
5	QA-SR-5	Corporate feedback form	Corporate	2 Jun. 2017
6	QA-SR-6	Parents feedback form	Parents	At the time of Convocation)
7	QA-SR-7	Alumni feedback form	Alumni <b>On Line</b>	At the time of Alumni meet or online (at least 2 years after passing out)

**d. Professional and Social Activities**

S. No	Form Number	Title	To be filled by	Date of filling
1	QA-PSA-1	Consulting Process Mapping Feedback	Faculty	30 May 2017
2	QA-PSA-2	Professional and Special courses/workshops	Department <b>On Line</b>	15 Jan 2017 20 June 2017
3	QA-PSA-3	Conference	Department <b>On Line</b>	20 June 2017
4	QA-PSA-4	Industrial Interactions	Department <b>On Line</b>	15 Jan 2017 20 June 2017.
5	QA-PSA-5	Social Activities	Department	02 Aug. 2017

**e. Students Activity & Placement**

S. No	Form Number	Title	To be filled by	Date of filling
1	QA-SAP-1	Awards won and Competitive exams (outside IIIT)	Department, Exit feedback	30 May, 2017
2	QA-SAP-2	Hub activities	Hub coordinators, online	Continuous updating as and when any event is planned
3	QA-SAP-3	JYC activities with Societal relevance	JYC, Administration, Online	Continuous updating as and when any event is planned
4	QA-SAP-4	Training & Placement	T&P cell	30 May, 2017
5	QA-SAP-5	Higher education / Entrepreneurship	Department, exit feedback, Alumni cell	30 May, 2017

## **Action Taken Report on Recommendations of Annual Quality Assurance Report (July 2016)**

The Institute Quality Assurance Cell (IQAC) was established in July 2014. The first report AQAR (Annual Quality Assurance Report) 2015 was available in July 2015. It was sent to all Academic Heads of Departments of the Institute. The recommendations and possible action points were also discussed in IAMC (Institute Academic Management Committee) meeting. The same process was followed this year as well.

Following is the action taken report on recommendations of AQAR 2015-16 report. The outcome is evident in AQAR 2016-17 report.

The major recommendations of the year 2016 and their improvising mechanisms are briefly discussed below:

### **Recommendation 1**

#### Attention on Project Based Learning and inter-activeness components:

Class size has been reduced to stimulate the interactive learning atmosphere in the class room teaching. Project based learning programmes have also been increased considerably, with new courses on Project Based Learning being introduced in three semesters giving a total weightage of 8 credits in the revised curricula of M.Tech Programme.

### **Recommendation 2**

#### Curricula Development and content re-examination:

Curricula are in the process of revision with the respective Board of Studies of various departments, modelling their course content as per industry needs. A number of Value Added Courses have been added this year.

### **Recommendation 3**

#### Experimentations and Lab improvisation:

A number of new software has been procured to enrich the practical and learning facilities. New Labs with state of art infrastructure have been established like the Language Lab having 6 different software, research and PG labs in ECE and CSE departments.

### **Recommendation 4**

#### Increasing the Research intake ratio

The Ph.D admission frequency has been increased with admissions being done twice now in every academic year. This year has witnessed 48 admissions in Ph.D as against 23 last year.

### **Recommendation 5**

#### Funded Projects and Journal publication:

All the departments and faculty members are working hard to get more externally funded projects as well as scopus indexed journal publications. This year four new R& D Projects have been sanctioned with external funding of Rs. 91.09 Lakhs in comparison to the last year's number of two projects with an external funding of Rs 37.99 Lakhs. There has been a substantial increase by the Institute on developing

research facilities in the departments. A total of Rs 479 Lakhs have been used for research purpose in comparison to Rs 10 Lakhs last year.

### **Recommendation 6**

#### Workshops, FDPs and Conferences to be organised by every department:

Each and every department has organized workshops, FDPs and at least one International Conference this year.

### **Recommendation 7**

#### More Social Activities to be taken up:

In addition to the last year's social activities, this year Jaypee Institute has adopted two schools this year. The Social activity group of JIIT at Sector-128 has come up with a mission to assist children of economically weaker sections by imparting them basic education and general awareness through various means and resources provided by the Institute itself. The social activity group organizes regular visits on every Saturday for the underprivileged children from nearby area to JIIT with objectives such as: Identify their academic weakness and providing at least 2 hours per week of time to these children for learning various subjects viz. Hindi, English, Mathematics etc. within JIIT campus; Provide hands on practice session on computer and basic software; Create awareness among them about cleanliness and hygiene of self and surroundings; Conduct of outdoor fun and Sports activities and Collection and Distribution of Clothes/Stationary for the underprivileged.

### **Recommendation 8**

#### Activities of Entrepreneurship Centre to be monitored:

The centre is continuously engaged in providing start-up advice and solutions to the young entrepreneurs. It has conducted comprehensive workshops as well and provides support and assistance in different forms to the students who wish to pursue their enterprising dreams.

### **Recommendation 9**

#### Faculty encouragement mechanism to file patent, get projects or coordinate big events:

The faculty actively participating in Institutional enrichment programmes like filing of patents, getting externally funded projects or coordinating events like International Conferences are being regularly reported to the management and duly acknowledged by the authorities in a positive manner. The Institute is yet to go a long way to make progress in filing patents. However there is improvement in getting externally funded R & D projects.

### **Recommendation 10**

#### End Semester Student Feedback to be made online:

This recommendation has been noted but is yet to be implemented.

### **Recommendation 11**

#### Auditing of Non-Academic Departments:

This year, the auditing process of Non teaching departments of Finance, Registry, Administration, Training & Placement, Environment, IT, Jaypee Youth Club and Facility Management has been done successfully by various audit committees in a very exhaustive manner.

**Recommendation 12****IQAC Recommendations to be processed and pursued by respective Heads:**

The respective heads have taken up IQAC recommendations and implemented different mechanisms at departmental levels. The improved Departmental Evaluative Reports stand as the best evidence for the same.





**Jaypee Institute of Information Technology**

(Declared Deemed to be University under Section 3 of UGC Act, 1956)

A-10, Sector-62, NOIDA – 201309, U.P, INDIA

Tele – 0120 – 2400973-975 Fax – 01202400986

Website – [www.jiit.ac.in](http://www.jiit.ac.in)