



ANNUAL QUALITY ASSURANCE REPORT



2015 - 16

IQAC

Jaypee Institute of Information Technology
Noida

FOREWORD

I am happy to present the Annual Quality Assurance Report of the year 2015-16. In July 2014, the JIIT had established Institute Quality Assurance Cell (IQAC) with the aim to develop quality metrics in all 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 administration.

The IQAC has successfully generated quality consciousness in all organs of the institute. They have not only established quality metrics but also laid pathway for quality audit through feedback collection and analysis. The first report for the year 2014-15 was prepared after considerable deliberation in July, 2015. During the preparation of first report, many of the processes regarding information collection and analysis were streamlined. This has helped in timely preparation of present report for the year 2015-16.

The recommendations of previous AQAR were considered and actions taken were reviewed. Considerable progress has been achieved in most of the recommendations. The IQAC is analyzing the data on feedback received from stakeholder, teaching and learning outcome, research contribution, professional activities of faculty and placement. IQAC has audited all the academic departments and recommendations are being proposed to decide the action to be taken. The departments will take appropriate actions for their implementation in phases with the participation of all concerned. Quality improvement is culture building exercise and can't bring leapfrogging results. We shall endeavor to make definite progress and at each stage perform introspection and mid course correction.

I appreciate the hard work of IQAC team and congratulate them for bringing out Annual Quality Assurance Report successfully.



*(S.C. Saxena)
Vice Chancellor
17th October 2016*

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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. K. Kant	Dean, JIIT, Sector-128	7838621360
iii	Prof. Krishna Gopal	Dean (A&R)	9654231334
iv	Prof. G. S. Srivastava	Maths	9910125588
v	Prof. S. P. Purohit	PMSE	9873169098
vi	Dr. Krishna Sundari	Biotech	9910345794
vii	Dr. Vikas Saxena	CSE/IT	9818958936
viii	Dr. Vikram Karwal	ECE	9717652233
ix	Dr. Rajnish K Mishra	JBS	9560206629
x	Dr. Mukta Mani	HSS	9899112913
xi	Dr. Monali Bhattacharya	HSS	9314645821
xii	Dr. Divakar Yadav	CSE/IT	9313714418
xiii	Dr. R. K. Dwivedi	PMSE	9971286625
xiv	Dr. Manish K Thakur	CSE/IT	9953280244
xv	Registrar	JIIT	9818122700
xvi	Dr. Subhash Joshi	Social Worker, C409, Rajhans Tower, Ahinsa Khand, Indrapuram, Ghaziabad (UP)	9711061199
xvii	Mr. Rakesh Khurana	CEO, Motherson Sumi, C-26, Sector-62, Noida (UP)	9810292968
xviii	Ms. Tuhina Jain	Talent Partner, Adobe, Noida (Alumni)	9582804475

Jaypee Institute of Information Technology, Noida

Part – A

1. 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	201307
Institution e-mail address	www.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. MHC0GN 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)

2015-16

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) :

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 Men Women
 Urban Rural Tribal
 Financial Status Grant-in-aid UGC 2(f) UGC 12B
 Grant-in-aid + Self Financing Totally Self-financing

1.11 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)
 TEI (Edu) Engineering Health Science Management
 Others (Specify) 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
 2.2 No. of Administrative/Technical staff
 2.3 No. of students

2.4 No. of Management representatives	01
2.5 No. of Alumni	01
2.6 No. of any other stakeholder and community representatives	-
2.7 No. of Employers/ Industrialists	01
2.8 No. of other External Experts	-
2.9 Total No. of members	17
2.10 No. of IQAC meetings held	23

22.07.2015 at 12:45 PM	First meeting with Chairman, IQAC, VC Conference Room
Meeting with Convener IQAC, VC Conference Room	
28.07.2015 at 012:00 PM	29.07.2015 at 3.30 PM
01.08.2015 at 11.00 AM	10.08.2015 at 11.30 AM
19.09.2015 at 12:45 PM	24.09.2015 at 11:30 AM
14.10.2015 at 03:30 PM	20.10.2015 at 11:00 AM
26.10.2015 at 11:00 AM	17.11.2015 at 03:00 PM (CSE faculty)
14.12.2015 at 12.15	Meeting with all JIIT faculty and non-teaching
16.12.2015 at 03:00 PM	30.01.2016 at 11:00 AM
18.02.2016 at 03:00 PM	10.03.2016 at 11:30 AM
14.03.2016 at 11:30 AM	31.03.2016 at 12:00 PM
05.04.2016 at 12:00 Noon Chaired by VC	27.04.2016 at 11:00 AM
5.5.2016 at 12.00 Noon	12.05.2016 at 11:00 AM
17.5.2016 at 11.00 AM	

2.11 No. of meetings with various stakeholders:	No.	5	Faculty	2
	Non-Teaching Staff		Alumni	1
	Students		Others	2*

*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	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
If yes, mention the amount	<input type="text" value="-"/>			

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 2015-16 is given below:

Name of the programme	Date
2-days Yoga Workshop	9-10 July 2015
FDP on Emerging Trends in Computing Education,	Jul6-11, 2015
One week FDP on Curriculum Development and Implementation of Humanities and Social Sciences in Technical Institutions: Opportunities and Challenges	July 13-18,2015
Faculty development programme on 'Light and Light-based Technologies	Jul. 13 - 18, 2015
FDP on Mobile Technology	Jul. 13 - 18, 2015
Faculty Development Program on Analog Signal Processing & VLSI	Jul. 13 - 18, 2015
Faculty Development Program on Functional Analysis and its Applications	July 13-18, 2015
Technological update from Life Technologies	Aug. 12, 2015
One-day workshop on Digital Marketing	Sep. 12, 2015
MSME workshop on Entrepreneurial skill in collaboration with MSME Development	Aug. 19-21, 2015
8th International Conference on Contemporary Computing (IC3-2015)	Aug. 20-22, 2015
Management Development Programme on Gaining competitive edge through better marketing and sales planning”	Aug. 21, 2015
MSME workshop on Entrepreneurial skill in collaboration with MSME Development Institute	Aug. 25-27, 2015
Research Competency Development Programme	Sep. 14-19, 2015
Expert Interaction on Search for Novel Therapeutic Targets for Inflammatory Diseases	Sep. 22, 2015
MSME workshop on Entrepreneurial skill for 2 nd yr MBA students and JBS alumni	Oct. 13-15, 2015

One-day Workshop on Plagiarism and Reference Management using Mendeley	Oct. 16, 2015
Interactive session “Life as Superorganism: Getting to know the human microbiome	Nov.7, 2015
One-day Workshop on Light and Light-based Technologies	Nov. 18, 2015
Two Days workshop on Data Analytics And Its Security Issues,	Dec. 4- 5, 2015
One day Workshop on Intellectual Property & Innovation Management in University	Mar. 8 , 2016
Two Week ISTE STTP on Engineering Physics	Dec. 8-18, 2015
International conference on “Advances in management and technology in a global world (ICAMT-15)	Dec. 18-20, 2015
National Workshop on Information Security	Dec. 22-24, 2015
One day seminar on National Academy of Sciences (NASI) Award Lectures	Mar. 16, 2016
National workshop on Mobile Technology	Mar.17-18, 2016
Two day Workshop on Numerical Methods Using Scilab	Apr. 8-9, 2016
Two days workshop on 3G and 4G Systems- Working, planning and deployment scenario in India	Apr. 8-9, 2016
Cyber Srishti– An IT symposium	Apr. 30 – May 01, 2016
CyberSrishti– An IT symposium	Jun. 4, 2015
Competency Development Programme on Business research & analytics	Jun. 20-25, 2016

2.14 Significant Activities and contributions made by IQAC

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 counseling 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 four subcommittees of IQAC developed their action plans in the beginning of the year, on the basis of objectives of each subcommittee.	
<p>Academic (Teaching and Learning) Subcommittee</p> <ol style="list-style-type: none"> 1. To oversee the development, establishment and revision of learning objectives and outcomes of courses and programs. 2. To develop various Feedback Performas for <ul style="list-style-type: none"> • Student feedback analysis of theory and laboratory courses • Faculty feedback • Department feedback on use of equipment • Department feedback on learning resources 3. To oversee the feedback of students and their expectations from the program/course. 4. To oversee the feedback of faculty in carrying out lecture/lab. classes considering learner centric concept and outcomes of the program/course. 	<p>Learning objectives of all courses and outcomes have been revised /developed for all courses by concern departments.</p> <p>Online / Offline Feedback performas are developed.</p> <p>Students' feedback is collected at the end of each semester through feedback forms filled by the students. The feedback data is analysed and recommendations are given on that basis.</p> <p>Faculty feedback is collected from all faculty members at the end of each semester for each subject taught by them. The feedback data is analysed and recommendations are submitted on that basis.</p>

<p>Academic Research Subcommittee To develop forms for collecting the following information-</p> <ul style="list-style-type: none"> • Summary of Publications • Sponsored R&D Projects • Master and Ph.D. Degrees • Patent Registered by IIIT Faculty/Students • Awards & Achievements • B.Tech Major Project • Summary of Review articles and Books in Developing areas. • Interdisciplinary Research • Data collection and analysis 	<p>Online/Offline forms have been developed regarding each point. Data for Academic year 2015-16 has been collected. The data has been analysed to give observations and recommendations.</p>
<p>Stakeholder Relationship Subcommittee To develop feedback forms for various internal and external stakeholders.</p> <ul style="list-style-type: none"> • Faculty feedback form • Trustee feedback form • Non-teaching feedback form • Student feedback on undergraduate /post graduate education experience acquired from IIIT • Corporate feedback form • Parents feedback form • Alumni feedback form 	<p>Online forms have been developed for Faculty feedback, Non-teaching feedback, Parents feedback and Alumni feedback. Offline forms have been developed for Students feedback, Corporate feedback and Trustee feedback. Data has been collected through the feedback forms, analysed and interpreted to give observations and recommendations.</p>
<p>Professional and Social Activities Subcommittee To develop proformas for collecting data regarding Consulting Process Mapping, Professional and Special courses/workshops, Conference, Industrial Interactions and Social Activities.</p>	<p>Online/ Offline forms have been developed regarding each point. Data for Academic year 2015-16 has been collected. The data has been analysed to give observations and recommendations</p>
<p>Students activities and placement 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>Various proformas have been developed to collect the data and feedback (online/offline). The report has been prepared and recommendations are made after the analysis.</p>

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

2.15 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.

2.16 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 (Research Innovation and Development)
3. Prof. K. Kant, Dean
4. Prof. D.K. Rai, HOD, Department of Physics and Materials Science and Engineering (PMSE)

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

Part – B

Criterion – I

1. 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	2	11	11
Integrated Masters	3	Nil	3	3
UG	4	Nil	4	4
Total	25	2	25	25
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"> 1. B. Tech. in Computer Science & Engineering (CSE) 2. B. Tech. in Information Technology (IT) 3. B. Tech. in Electronics & Communication Engineering (ECE) 4. B. Tech. in Biotechnology
PG	11	<ol style="list-style-type: none"> 1. M. Tech. in CSE 2. M. Tech. in CSE with specialization in Information Security 3. M. Tech. in CSE with specialization in Mobile Technology (MT)* 4. M. Tech. in CSE with specialization in Data Analytics (DA)* 5. M. Tech. in IT & Entrepreneurship (IT & E) 6. M. Tech. in ECE with specialization in Microelectronics and Embedded Technology (MET) 7. M. Tech. in ECE with specialization in Communication Systems (CS) 8. M. Tech. in Applied and Computational Mathematics (ACM) 9. M. Tech. in Materials Science and Engineering (MSE) 10. M. Tech. in Biotechnology 11. Master of Business Administration (MBA)
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"> 1. CSE

		2. ECE 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
Total	25	

*Started in the academic session 2015-16

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* (On all aspects) Alumni Parents Employers Students

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 2015-16 is given below.

- Disaster Management
- Advanced Cell Biology
- Soft Computing in Electronics
- Multi-core Computing (New)
- Social Network Analysis (New)

- Data Surveillance Technologies
- Speech Signal Processing
- Fundamentals of Embedded Systems
- Parallel & Distributed Simulation
- Data Warehousing and Data Mining
- Advanced Network Technologies
- Network Forensics
- Distributed System Security
- Wireless Communication and Networks
- Machine Learning
- Security in Computing
- Network and Mobile Security
- Machine Learning Techniques for Big Data
- Advanced Image Processing on Mobile Devices
- Network and Mobile Security
- Machine Learning Techniques for Big Data
- Advanced Image Processing on Mobile Devices
- Robotics
- Fuzzy Logic and Neural Networks
- Animation and Multimedia Development
- Reconfigurable Computing
- Systems, Engineering and Computational Thinking
- Microcontroller based System Design
- Unix Programming
- Robotics
- Fuzzy Logic and Neural Networks
- Animation and Multimedia Development
- Reconfigurable Computing
- Systems, Engineering and Computational Thinking
- Microcontroller based System Design
- Unix Programming
- Course Name
- Quantum Mechanics for Engineers
- Materials Science
- Laser Technology and Applications
- Biomaterials Science
- Nuclear Science and Engineering
- Computational Physics
- Solid State Electronic Devices
- Photovoltaic Techniques
- Applied Statistical Mechanics
- Analytical Techniques for Materials
- Integrated Optics and Applications

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 2015-16. However, value added courses have been designed and being 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
261	204	35	22	Nil

2.2 No. of permanent faculty with Ph.D.

137*

*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
12*	23	1	60	0	23	Nil	Nil	13	105

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

2.4 No. of Guest and Visiting faculty and Temporary faculty

Guest Faculty: 02	Visiting Faculty: 7	Temporary Faculty: 01
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2.5 Faculty participation in conferences and symposia*:

No. of Faculty	International level	National level	State level
Attended	83	29	26
Presented papers	25	38	0
Resource Persons	3	4	5

*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 lectures using various audio-visual aids like computer presentation, Visualizer, etc., in addition to Black/White board
- Small group tutorials and assignments
- Laboratories
- Project based learning through mini, minor and major Projects
- Industrial internship
- Collaborative Teaching and Learning
- Cross-level peer mentoring
- Report writing and Seminars
- 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
- Simulation studies
- Role Play
- Interactive brainstorming sessions Debates and Discussions
- Reading assignments from journals, monographs etc.
- Case analysis and discussion
- Presentations
- Review and reinforcement
- Field Work
- Live projects
- Learning by doing
- Regular organisation of various technical events
- Use of NPTEL resources

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	192
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:

- An academic calendar is issued every year in March/April before commencement of the academic year in July. The calendar is strictly followed and no changes in it are permitted 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/transcripts 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 them. 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.

- 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: 44

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 %

98.74

Title of the Programme	Total no. of students appeared	CGPA				Total (Pass %)
		>=8	>=7.5 to 8	>=6.5 to 7.5	>=4.5 to 6.5	
B.Tech.	1008	162	140	372	320	994 (98.61%)
M.Tech.	116	17	23	56	19	115 (99.14%)
Dual Degree	48	11	13	18	5	47 (97.91%)
MBA	143	14	16	65	47	142 (99.30%)

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

IQAC 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. 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 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.

Even though IQAC has started working in 2014, JIIT had been collecting and analyzing feedback and performing academic and administrative audit and 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 2015-16 is analyzed and decisions on improvement will be taken by competent authorities.

2.13 Initiatives undertaken towards faculty development:

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	
UGC – Faculty Improvement Programme	
HRD programme (1+3)	
Orientation programmes	
Faculty exchange programme	
Staff training conducted by the university	
Staff training conducted by other institutions	
Summer / Winter schools, Workshops, In-house FDPs etc.	297

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

- JiIT sponsors teaching and non-teaching staff to 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.
- 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 2015-16 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 Engineering Physics, Source of Funding: IIT, Bombay	Dec. 8 - 18, 2015	12	3

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

S. No.	Department	Name of FDP	Period	Participants from	
				JiIT	Out side

1	Biotechnology	Faculty Development Program on Nano-materials and Its Applications	Jul. 13-18, 2015	27	05
2	CSE	FDP on Emerging Trends in Computing Education	Jul. 6-11, 2015	35	06
3	CSE	Faculty development programme on Mobile Technology	Jul. 13-18, 2015	24	11
3	PMSE	FDP on 'Light and Light-based Technologies	July.13-18, 2015	30	05
4	HSS	Faculty Development Programme on Curriculum Development and Implementation of Humanities and Social Sciences in Technical Institutions: Opportunities and Challenges	Jul. 13-18, 2015	20	Nil
5	Mathematics	Faculty Development Program on Functional Analysis and its Applications,	Jul. 13-18, 2015	45	03
6	ECE	Faculty Development Program on Analog Signal Processing & VLSI,	Jul. 13-18, 2015	10	Nil
8	JBS	Research Competency Development Programme	Sep.14 – 19, 2015	09	03

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	106	Nil	22	01
Technical Staff	40	Nil	4	Nil

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*	9	13	4	
Outlay in Rs. Lakhs*	160.08	410.62	91.09	

JIT 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.	A Psyche Monitoring and Regulating system	2008-09	12.65	AICTE
2.	Nanoparticle based Drug Delivery System of some Antiepileptic Drugs for Brain Drug Delivery through Nasal Route	2011-14	25.18	DBT
3.	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
4.	Bistability due to Intra-Molecular and Inter-Molecular Charge Transfer in Different Environments	2010-14	9.36	DST
5.	Synthesis and Study of Structural, Dielectric, Magnetic and Magneto electric Properties of Multiferroic Materials	2010-14	11.58	DST
6.	A Low-Voltage CMOS Test Chip for Thermal Sensor and RF Application on AMS 0.35 μm technology node using Mentor Graphics PDK	2012-14	6.6	Mentor Graphics, India
7.	Development of a biocatalyst for dearomatization of diesel	2013-15	6.92	DBT
8.	Ability of select PGPM strains to Remediate organophosphate Pesticides commonly used in Agriculture	2013-15	6.59	DBT
9.	Effect of curcumin on cardiac hypertrophy	2012-15	29.89	DBT
Total			160.08	

Table: Ongoing research projects*

S. No.	Granting Agency	Duration	Title	Grant (Rs in Lac)
1.	DST	2014-17	Development of a biocatalyst for the removal of nitrogen and sulphur from diesel	24.90
2.	DBT	2014-17	Development of reagents for simple immunochemical tests for the detection of Chikungunya infection	18.00
3.	DST	2014-16	Nanoparticles based amper-ometric biosensor for detection of thyroid dysfunctioning	37.30
4.	DBT	2013-16	Purification of Chikungunya virus nsP3 Protein for peptide based inhibitor and structural studies	71.40
5.	DST	2014-17	Studies on the phylogenomics and population genomics of indian <i>Drosophila</i>	34.10
6.	DBT	2013-16	Development and evaluation of green tea catechins based intravaginal nanoemulsion gel for the treatment of urinary tract infections	28.60
7.	ICMR	2015-18	Development of glyoxylate and methyl-citrate cycles essential for persistence of <i>Mycobacterium tuberculosis</i>	20.00
8.	ICMR	2015-18	Study of mitochondrial DNA copy number variation, its possible genetics and their correlation with pathophysiological features of diabetes mellitus: A pilot study (Project approved)	26.00
9.	DBT	2013-16	Structural Biology of CysE from pathogenic organisms - Potential for rational drug design	40.50
10.	DBT	2012-16	Stage specific microRNA profiling from developing chick heart.	41.65
11.	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
12.	DST	2014-17	Studies on production of therapeutically important saponins using in-vitro culture of <i>Bacopa monnieri</i>	19.62
13.	DST	2015-18	Differential expression pattern of miRNAs in rice root during Cr(VI) stress	32.60
Total				410.62

Table: Sanctioned research projects*

S. No.	Granting Agency	Duration	Title	Grant (Rs in Lac)
1.	ICMR	2015-18	Identification of cellular targets of Chikungunya virus non structural proteins	34.1

			(Sanctioned)	
2.	ICMR	2015-18	Development of inhibitors to target glyoxylate and methyl- citrate cycles essential for persistence of Mycobacterium tuberculosis (Sanctioned)	20.0
3.	ICMR	2015-18	Study of mitochondrial DNA copy number variation, its possible genetics and their correlation with pathophysio-logical features of diabetes mellitus: A pilot study (Sanctioned)	26.0
4.	DST	2016-19	Structurally manipulated stannate nanostructures for magnetic and optoelectronic application	10.99
Total				91.09

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 Duration: 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 Duration: 2013-16	Dr Vibha Gupta	Punit Kaur AIIMS, New Delhi	40.5
3.	DBT	Development of a biocatalyst for dearomatization of diesel Duration: 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 Duration: 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 Duration: 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) Duration: 2015-18	Dr. Vibha Gupta	Dr. Chittaranjan Rout, JIIT Waknaghat	20.00
7.	ICMR	Study of mitochondrial DNA copy number variation, its possible genetics and their	Dr. Shalini Mani	Dr. Pankaj Bansal and Dr. Mohd	26.00

		correlation with pathophysiological features of diabetes mellitus: A pilot study (Sanctioned) Duration: 2015-18		Rashid, Sharda University	
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
Total					187.77

3.3 Details regarding minor projects: There are no Minor Projects*

3.4 Details on research publications: 2015-16*

	International	National	Others
Peer Review Journals	225	10	17
Non-Peer Review Journals	20	0	0
e-Journals	-	-	-
Conference proceedings	76	7	1

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects				
Minor Projects				
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College				
Students research projects <i>(other than compulsory by the University)</i>				
Any other(Specify)				
Total				

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

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from*:

UGC-SAP	<input type="text"/>	CAS	<input type="text"/>	DST-FIST	<input type="text"/>
DPE	<input type="text"/>	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="01"/>		

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	02*	15*		
Sponsoring agencies	IEEE/JIIT	JIT	NA	JIT

The list of conferences/workshops organised during 2015-16 is given below*.

S. No.	Name of Conference/Workshop/ Symposium	Department	Date
1.	2-days Yoga Workshop	Jaypee Business School	Jul.9-10, 2015
2.	Workshop on” Intellectual Property & Innovation Management in University “	Biotechnology	Aug.08, 2015
3.	MSME workshop on “Entrepreneurial skill”	Jaypee Business School	Aug. 19-21, 2015
4.	8 th International Conference on Contemporary Computing (IC3-2015).	Computer Science & Engineering	Aug. 20-22, 2015
5.	One-day workshop on Digital Marketing. On Septmeber 12, 2015	Humanities and Social Sciences	Sep.12, 2015
6.	One-day Workshop on Plagiarism and Reference Management using Mendeley	Humanities and Social Sciences.	Oct. 16, 2015
7.	One-day Workshop on “Light and Light-based Technologies”,	Physics & Material Sciences	Nov.18, 2015
8.	Two Days Workshop on Data Analytics And Its Security Issues,	Computer Science and Engineering & Information Technology	Dec.4-5, 2015
9.	Two Week ISTE STTP on Engineering Physics.	Physics & Material Sciences	Dec.8-18, 2015
10.	International conference on “Advances in management and technology in a global world (ICAMT-15)	Jaypee Business School	Dec.18-20, 2015
11.	National Workshop on Information Security.	Computer Science and Engineering & Information Technology	Dec. 22-24, 2015

12.	National Workshop on Mobile Technology.	Computer Science and Engineering & Information Technology	Mar. 17-18, 2016
13.	Two day workshop on Numerical Methods Using Scilab.	Mathematics	Apr. 8-9, 2016
14.	Workshop on '3G and 4G Systems- Working, planning and deployment scenario in India' Funding Agencies: JIIT	Electronics and Communication Engineering	Apr. 8-9, 2016
15.	Cyber Srishti– An IT symposium	Computer Science and Engineering & Information Technology	Apr. 30 - May 01, 2016

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

3.13 No. of collaborations* International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From Funding agency From Management of University/College

Total

The Institute makes budgetary allocation for research in the heads mentioned in the table below. The table presents budget allocation for the year 2015-16.

Head of Expenditure	2015-16 BA/AE
Research Equipment and Software	55/ 41
Consumables and Maintenance	30/ 20
Subscription of Research Journals	70/ 61
Ph. D. Fellowships	125/ 102
Support for Conferences/ Seminars/ Workshops to students and Faculty	15/ 09
Organization of Conferences, Seminars/ Workshops	15/ 10
Expenses on Experts' visits	18/ 13
Internet and IT support	56/ 52
Electricity expenses	73/ 71
Research related miscellaneous expenses	50/ 49
Institute contribution to Research Projects	10/ 09
Total	517/ 437

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

3.16 No. of patents received this year

	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***

Total	International	National	State	University	Dist	College
1	-	1				

Details are given below:*

Sr. No	Name of Faculty	Award/Recognition
1.	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

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

115

215

3.19 No. of Ph.D. awarded from the Institution (2015-16)

20

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

JRF SRF Project Fellows Institutional

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 College forum
 NCC NSS 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 levels 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 Hub, 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 58 events were conducted in the past academic year, the details of which are as under, arranged in chronological order:

Name of the activity	Details of event				Financial support (Institute, external sponsorship, nature of external sponsorship – Cash/Kind)	College/ regional/ state/ national/ international level
	organised as a part of institute fest or individual event	Date/ duration	Type of event: (competition-on-line/off-line, demonstration, exhibition etc.)	Total number of participants		
Best out of Waste	semester event	6 th Aug., 2015	Competition event	70	Institute	College
Google greetings	Individual event	12 th Aug., 2015	Orientation	300+	External sponsors (coupons etc)	College
Pop Quiz on Independence Day	Individual	14 th Aug., 2015	Event: Competition, Offline	~50	-	College Level
Tribute to Dr. APJ AbdulKalam	Individual	Aug, 2015	Event : Tribute	Faculty, staff and students of the institute	-	College Level
Organ Donation Awareness	Individual	Aug., 2015	Event: Awareness	Students of the institute	-	College Level
IC3 Exhibition	Part of IC3 Conference	20 th -22 nd Aug., 2015	Exhibition	40 students	-	College Level
Encode 15.1	Individual	21 st Aug., 2015	online	300	-	College Level (JIIT Sector 62)
Stage play	Individual Event	24 th Aug., 2015	Demonstration	18	-	College Level
Wireless Communication Workshop	Individual Event	24 th -26 th Aug., 2015	Workshop	140 Participant	-	College Level
Android 15.2	Individual event	26 th -27 th Aug., 2015	Workshop	200	External sponsors (coupons etc)	College

GreenSelfie	individual event	29 th Aug., 2015	Online competition	60	-	Regional level
Manual Workshop	Individual Event	15 th – 22 nd Sep., 2015	Workshop	400 Participant	-	College Level
Dynamic web Development	Individual event	17 th – 18 th sep., 2015	Workshop	100	External sponsors (coupons etc.)	College
Execute 15.3	NA	26 th Sep., 2015	Onsite programming competition	350	-	College Level(JII T Sector 62 and Sector 128)
Devfest - 2015	Individual event	29 th Sep.- 1 st oct., 2015	Coding festival	200	External sponsors (coupons etc)	College
Technocreed	Individual Event	29 th -30 th Sep., 2015	Competition off-line	82 teams with 4 members in each team	Self-Sponsored	College level
Street Play at IIT Roorkee	Individual Event	11 th Oct., 2015	Competition Event	Competition Event	-	National level
Joust 15	Individual Event	Oct. 11-12, 2015	Competition- Debate, JAM	200 participants	Institute: 15000/- Sponsors (cash/ Kind) 35000/-	College Regional Level
C with graphics	Individual event	19 th Nov., 2015	Workshop	100	External sponsors (coupons etc.)	College
PHP, SQL Connectivity	Individual event	20 th Nov., 2015	Workshop	100	External sponsors (coupons etc.)	College
JMUN 16	Individual Event	Jan. 23-24, 2016	NA	470	External sponsor Hans Foundation Approx. 4 lac	International Level (students studying in India without passport assistance)
Autonomous Workshop	Individual Event	25 th Jan. – 4 th Feb., 2016	250 Participant	Workshop	-	College Level
Impressions Jhankaar Events	Institute Fest	Feb. 6-7, 2016	Offline Competition	Step Up Fire Groove (28) Jhoom Le Zara (25)	Institute	Regional Competition

Mario: the hunt	Institutional fest	6 th Feb., 2016	competition	300	Institute & external sponsors	Inter college
eXALATAN	Institute Fest (Impressio)	6 th -7 th Feb., 2016	Competition Off-Line	120 teams with 4 members each	Institute-Rs 60,000	National level
Conventional Rangoli Making	Impression Event	6-7 Feb., 2016	NA	20 participants	Institute	College
KNUTH Cup – 2016	Impression – 2016	6-7 Feb 2016	online (first round) and onsite (final round)	400 students - online round, 150 - onsite.	Institute	International (online round) / National (onsite round)
Street play	Fest event	6 th Feb., 2016	Competition	18	Institute	College level
Stage Play	Fest event	07 th Feb., 2016	Competition	11	Institute	College level
Theatre artist Hunt	Fest event	07 th Feb., 2016	Competition	NA	-	College level
Breaking Bugs	Impressions – 2016	Feb. 6-7, 2016	Competition	100 students	Institute	College Level (JIT Sector 62 and Sector 128)
Sherlocked	Impressions - 2016	Feb. 6-7, 2016	Treasure hunt	150	Institute	College Level (JIT Sector 62 and Sector 128)
College Fest	Institute Fest	Feb. 6-7, 2016	College fest Competition	NA	-	College Regional Level
CODEVEN GERS	Part of Institutional Fest	7 th Feb., 2016	Competition	60	Institute & external sponsors	Inter college
Googled about Google	Part of Institutional Fest	7 th Feb., 2016	Competition	100	Institute & external sponsors	Inter college
Words –mith	Institute Fest	7 th Feb., 2016	offline competition	28 students	Institute	College level
In Lieu of Clue	Institute Fest	Feb. 6-7, 2016	Offline Competition	20 students	Institute	College level

EcoTron : To The Rescue	Impressions – 2016	7 th Feb., 2016	Obstacle race	NA	Institute	College level
Your DreamHero : Fight eco- Evils	Impressions 2016	7 th Feb., 2016	Event type: Obstacle race	80	Institute	College level
The Eco- Carnival!	Impressions 2016	7 th Feb., 2016	: Obstacle race	80	Institute	College level
Scavenger Hunt	Techno- cultural Fest : Impressions 2016	Feb. 6-7, 2016	Competition: Offline	~100	Sponsors: 1- Let's Noodles 2-Gralit India Biotech. Ltd. 3-London Café Sponsorship: Kind	College Level
Pandora's Box	Techno- cultural Fest :Impression s - 2016	Feb. 6-7, 2016	Competition: Offline	~ 100	Sponsors: 1- Let's Noodles 2-Gralit India Biotech. Ltd. 3-London Café Sponsorship: Kind	College Level
Super Power League	Techno- cultural Fest :Impression s - 2016	Feb. 6-7, 2016	Competition: Offline	~ 100	Sponsors: 1- Let's Noodles 2-Gralit India Biotech. Ltd. 3-London Café Sponsorship: Kind	College Level
Junk Rangoli	Impression Event	Feb. 6-7, 2016	NA	10	Institute	College
Sand Art	Impression Event	Feb. 6-7, 2016	NA	10	Institute	College
Theatre artist Hunt	Fest event	7 th Feb., 2016	Competition	NA	-	College level
Fantasy Art	Institute Fest	7 th Feb., 2016 (1 Hour)	Art	38	Institute	College
Roam and Draw	Institute Fest	6 th Feb., 2016 (1 Hour)	Art	18	Institute	College
What happen next?	Institute Fest	6 th Feb., 2016 (1 Hour)	Art	27	Institute	College

Street play	Individual	5 th Mar., 2016 (JIIT -128)	Competition Event	15	-	College level
Advanced web development	Individual event	14 th -15 th Mar., 2016	Workshop	NA	External sponsors	College
Street play at SRM University	Individual	3 rd Apr., 2016	Competition Event	20	-	College level
Automation	Institute Fest	7 th – 8 th May, 2016	Competition Off-Line	NA	Institute	National Level
Code, debug & simulate	Institute fest	8 th May, 2016	Competition	200	Institute	Inter college
Hydrophilic	Technical fest: Cyber Sristhi	8 th May, 2016	Competition: Offline	~ 80	-	College Level
Code Breaker	Technical fest: Cyber Sristhi	7 th - 8 th May, 2016	Competition: Offline	~ 95	-	College Level
Execute 16.1	annual technical fest	7 th - 8 th May, 2016	NA	650	Institute	National
PID Workshop	Individual Event	17 th - 21 st May, 2016	Workshop	60	-	College Level

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 give vent 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.

Pollution and environmental degradation is a major concern. To instil the habit of recycling event like "Best out of Waste" was organized. To further this cause, September 16, 2016 has been earmarked for Ozone Day celebration. A poster making competition and a street play is organized to create awareness among the youths

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; imbuing values, integrity, patience and perseverance; motivating them to follow more ethical practices and show commitment in all their endeavours.

Two blood donation camps were organised as Institutional Social Responsibilities.

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	51 (41 ICT enabled Class Rooms +10 Class Rooms) +27 Tutorial Rooms+13 Discussion Rooms	01	JiIT	91
Laboratories	73	02(under development)	JiIT	75
Value of the equipment* purchased during the year (Rs. in Lakhs)	1817.78092	894.36	JiIT	2712.14092
Others				

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

4.2 Computerization of administration and library

<p>Administration: ERP is in use for most of our academic, finance, and administration activities. This year ERP is updated for new curricula and computerization of IQAC activities.</p> <p>Library: Following activities are continuing and upgraded in the LRC.</p> <ul style="list-style-type: none"> • Wi-Fi facility • PCs' with internet • Development of Institutional Resource "LRC-DRS" for accessing Project reports, dissertation, theses, etc. • Development of Dynamic Library Website with detailed information
--

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.
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 http://jiit.ac.in/lrcjiit/
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	69	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 http://172.16.90.72:8080/jspui/ . 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 2015-16		Total	
	No.	Value (Rs in Lakhs)	No.	Value (Rs in lakhs)	No.	Value (Rs in lakhs)
Text Books	Print Books: Titles: 19202 Volumes: 49094 Back Volumes: 173 Bound Periodicals: 1369	74.88380	Titles: 1084 Volumes: 3330 -	74.88380	Titles: 20286 Volumes: 52424 Back Volumes: 173	447.45135
e-Books	631		Perpetual		631	
Journals (Print)	32		Renewed		32	
e-Journals	5006		Renewed		5006	
Digital Database	333493		Renewed		333493	
CD & Video	2800		255		3055	
Others (specify)	Ph.D. Theses: 76		20		96	
	LNCS-Springer: 7079		Renewed		7079	

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	1691	30	1.02 Gbps	LRC*	-		7	-
Added in 2015-16	161	02			-		Nil	
Total	1852	32	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	26.23
ii) Campus Infrastructure and facilities	221.93
iii) Equipments	91.81
iv) Others	30.88
Total:	370.85

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	PG	Ph. D.	Others (Integrated masters)
*M /F	M /F	M /F	M /F
3220/995	226/227	70/122	202/188

Total number Includes NRI/NRI sponsored UG students 145/63

*M – Male, *F – Female

(b) No. of students outside the state

UG	PG	Ph. D.	Others (Integrated masters)
*M /F	M /F	M /F	M /F
1689/471	95/85	23/46	103/77

(c) No. of international students

14

Men	<table border="1" style="display: inline-table;"> <tr> <th>No</th> <th>%</th> </tr> <tr> <td>08</td> <td>0.15</td> </tr> </table>	No	%	08	0.15	Women	<table border="1" style="display: inline-table;"> <tr> <th>No</th> <th>%</th> </tr> <tr> <td>06</td> <td>0.12</td> </tr> </table>	No	%	06	0.12
No	%										
08	0.15										
No	%										
06	0.12										

Last Year 2014-15 (admitted)						This Year 2015-16 (admitted)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1475	12	0	54	Nil	1541	1364	32	02	47	Nil	1445

Demand ratio:

Programme	Total number of seats	Number of applications received	Demand ratio
Undergraduate	1230	9579	1:8
Postgraduate	280	412	1:1.5
MBA	210	345	1:1.6
Ph.D.	29	335	1:12

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 GATE CAT
IAS/IPS etc State PSC UPSC Others

*Students have also cleared other exams like: GMAT (1), IELTS (1), MAT (1), NMAT (1), PAT (1), TGC-123 (Indian Army) (1) AND TOEFL (1).

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 (2015-16)

<i>On Campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
63	907	1170	Data not available

B.Tech. Placement for the year 2016

S. No.	Name of the Company	No. of offers	S. No.	Name of the Company	No. of offers
1	Amazon	18	33	EY	12
2	Broweserstack	1	34	To The New Digital	1
3	SAP Labs	6	35	Innovaccer	3
4	Belzabar	2	36	Oxyent	2
5	Barclays Bank	4	37	Quess Corporation	5
6	KRONOS	2	38	NewGen	9
7	Kuliza	7	39	Rohde & Schwarz	3
8	Press Play	7	40	Ericsson	70
9	Delloitte	28	41	Aricent	54
10	Hashedin	6	42	Continental	2
11	Kritikal SecureScan	2	43	Incedo	8
12	App Garage	2	44	Naukri.com	2
13	Convegenius	4	45	Polaris	6
14	Grail Research	3	46	Sopra Steria	2
15	Innovaccer	2	47	Cognizant	301
16	NovoInvent	8	48	Infosys	340
17	Scrap Labs	1	49	NEC Technologies	1
18	Think & Learn	27	50	Yamaha Motors	2
19	Wipro	94	51	Effectual Knowledge	7
20	Stellarix	2	52	Lets Comply	2
21	Zycus	3	53	Mphasis	3
22	Abyeti Tech	4	54	NTT Data	11
23	Code Brew	3	55	Phronesis Partners	6
24	Maz Digital	4	56	Pinkerton	4
25	Medd	2	57	Solomo Media	6
26	Paytm	3	58	Sonet Microsystems	2
27	Vinsol	4	59	Spice Digital	2
28	India Mart	2	60	Success Pact	3
29	XL Catlin	4	61	Successive Softwares	1
30	HP Enterprises	4	62	Vidooly	1
31	Gemalto	4	63	ST Micro	15
32	Mtree	4			

(ii) Details of campus placement for MBA students (2015-16)

Specialisation	Participating Students	No. of Offers	% of Placement
Marketing	49	45	92%
Finance	38	34	89%
HR	14	10	71%
Operations	18	14	78%
Total	119	103	87%

MBA Placement for the year 2016

S. No.	Company	No. of offers	S. No.	Company	No. of offers
1	Mansukh Securities & Finance	2	25	Innovsource Pvt.Ltd	2
2	Zycus Infotech	1	26	Phronesis Partners	2
3	CollegeDekho.com	1	27	Head Honchos	2
4	American Express	3	28	Rockstand Digital Pvt Ltd	1
5	Magic Group	11	29	Ernst & Young	1
6	HCL	17	30	G-Cube Webwide Software	1
7	Berger Paints India Limited	1	31	Oppo Smartphones	1
8	FinEdge	2	32	Naukri.com	1
9	Markit Financial Services	5	33	DealsnPrice.com	1
10	ICICI Securities	6	34	Transition HRD	1
11	TO THE NEW Digital	1	35	The SquareYards Consulting Pvt. Ltd	0
12	Fiserv	2	36	Godrej & Boyce Mfg. Co. Ltd.	0
13	Mapmydoctor	4	37	Honda Cars	0
14	Secure Now	2	38	S&P Capital IQ	0
15	Tectura	3	39	Mazars	0
16	Redington India	1	40	WNS Global Services	0
17	Effectual Knowledge Services	1	41	APAC	0
18	VIP Industries	1	42	Protiviti	0
19	Success Pact Consulting Pvt. Ltd	7	43	Mirus Solutions Private Ltd	0
20	POSist Technologies Pvt. Ltd.	6	44	CSC India Pvt. Ltd	0
21	Zomato	4	45	BIS Research India	0
22	Pearson India Education	4	46	ISS Facility Services India Pvt. Ltd:	0
23	IDFC Bank	3	47	Tangence Solutions	0
24	Tech Sci	2	48		
Total offers					103

** Note: Companies came but zero offers made.

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 2015-16.

Awards won during Technical Event, Competition / Cultural event, competition / Inter College fests / Sports / On-line competitions (outside JIIT)

S. No.	Name & Branch of Student	Details of the award				Level of the event (Inter College / National / International)	Nature of the award (Cash/ Certificate / Medal/ Memento etc.)	Specify if online (Y/N)
		Name of Event	Organizing body	Venue	Title of Award (I / II prize, best paper etc)			
1	Kritika Sehgal (13101007) Biotech	Slogan writing,			1 st position in slogan writing,	Inter college level in slogan writing,	Cash prize 30,000	
2	Kartik (13101010) Biotech	Basketball tournament,	JUIT Wagnaghat	JUIT Wagnaghat	3 rd	Inter - college		
3	Stuti Aggarwal (13101006) Biotech	Enterpreneur ship development	GBIOFIN			National	certificate	Y
4	Tushar Tripathi (13101003) Biotech	Solo singing	SRM university	SRM	2 nd prize	Inter college	cash	
5	Hitesh Shetty	Zenith Mun	MIRANDA HOUSE	MIRANDA HOUSE	3 rd	Inter college	certificate	

	(13101012) Biotech							
6	Asmita Arora (14501034) Biotech	MUN, JMC	JMC	JMC	-----	Inter college	certificate	No

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 participate 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. Highlight of the Hubs and their activities conducted during the academic year 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 Center 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 IIIT 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 IIIT 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 :** "Fun Sports Meet - 2015" was organized from 10 to 16th October 2015 and included 10 disciplines including popular events - cricket, football, volleyball and table tennis. A total of 2401 students participated in the meet, 957 individual matches and 210 team matches were played. Winners bagged 76 gold medals while the runners up were given silver medals at a fun filled glittering prize distribution ceremony held on 2nd March 2016.

There was overwhelming response to the Sports Meet as almost 900 students participated in the preliminary round.

5.10 Scholarships and Financial Support

	Number of students	Amount (Rs. In Lakhs)
Financial support from institution [M.Tech. (74) + Ph.D.(64) + others (7)]	145	120.55
Financial support from government funded projects for supporting staff (JRF+SRF+PA)	28	67.70
Financial support from other sources	-	-
Number of students who received International/ National recognitions		
Total	173	188.55

Details of the scholarships and financial support during 2015-16 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 during last four years are as follows:

FY	No of students	Amount (Rs. In Lakhs)
2015-16	7	3.6

(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 during last four years are as follows:

FY	No of students	Amount (Rs. In Lakhs)
2015-16	74	29.68

(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 during last four years are as follows:

FY	No of students	Amount (Rs. In Lakhs)
2015-16	64	87.27

(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 during last four years are as follows:

FY	No of students	Amount (Rs. In Lakhs)
2015-16	4	0.302

5.11 Student organised / initiatives

Fairs *	: State/ University level	<input type="text" value="02"/>	National level	<input type="text" value="Nil"/>	International level	<input type="text" value="Nil"/>
Exhibition **	: State/ University level	<input type="text" value="02"/>	National level	<input type="text" value="01"/>	International level	<input type="text" value="Nil"/>

* Techno-cultural fest - Impressions - 2016 (6 - 7 Feb, 2016); Tech Fest (7 - 8 May, 2016)

** IC3 Exhibition; Live Art Studio, Painting Exhibition (6 - 7 Feb, 2016); Right to Education, Painting Exhibition (November 2nd, 2016)

5.12 No. of social initiatives undertaken by the students

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 Departments 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 sqm, which includes 51 Class Rooms, 27 Tutorial Rooms, 13 conference rooms and 75 Laboratories. Out of 51 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 261.

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 50 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:

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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 has 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.

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 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 IIIT 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. IIIT 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 of IQAC

Revision of B.Tech curriculum

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.

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.
- 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.

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

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

Project Based learning is integral part of academics in JIIT.

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

Name Prof. S C Saxena

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

_____***_____

Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
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 2015-16

Institute Quality Assurance Cell
Calendar for filling the Performa

a. Academic (Teaching and Learning)

S. No.	Form No.	Title	To be filled by	Date of filling
1	QA-AC-1	Student feedback analysis theory course	Registrar / Dean Academic	31 Jan. 2016 30 June 2016
2	QA-AC-2	Student feedback analysis laboratory course	Registrar / Dean Academic	31 Jan. 2016 30 June 2016
3	QA-AC-3	Faculty feedback	Faculty On Line	11 Jan. 2016 17 June 2016
4	QA-AC-4	Department feedback on use of equipments	Department On Line	30 May 2016
5	QA-AC-5	Feedback of educational experience of students visited abroad in academic exchange programme.	Department On Line/Offline	30 May 2016

b. Academic (Research)

S. No.	Form No.	Title	To be filled by	Date of filling
1	QA-AR-1	Summary of Publications	Faculty/Department On Line	14 Aug. 2016
2	QA-AR-2	Sponsored R&D Project	Faculty/Department On Line	14 Aug. 2016
3	QA-AR-3	Master and Ph.D. Degrees	Faculty/Department On Line	4 Aug. 2016
4	QA-AR-4	Patent Registered by IIIT Faculty/Students	Faculty/Department On Line	14 Aug. 2016
5	QA-AR-5	Awards & Achievements	Faculty/Department On Line	14 Aug. 2016
6	QA-AR-6	B.Tech Major Project	Faculty/Department On Line	14 Aug. 2016
7	QA-AR-7	Summary of Review articles and Books in Developing areas	Faculty/Department On Line	14 Aug. 2016
8	QA-AR-8	Interdisciplinary Research	Faculty/Department On Line	14 Aug. 2016

c. Stakeholder Relationship

S. No.	Form No.	Title	To be filled by	Date of filling
1	QA-SR-1	Faculty feedback form	Faculty On Line	19 June 2016
2	QA-SR-2	Trustee feedback form	Trustee	19 June 2016
3	QA-SR-3	Non-teaching feedback form	Non-teaching On Line	01 June 2016
4	QA-SR-4	Student feedback on	Students	02 June 2016

		undergraduate/post graduate education experience acquired from JIIT		
5	QA-SR-5	Corporate feedback form	Corporate	01 June 2016 (at the time of placement)
6	QA-SR-6	Parents feedback form	Parents	30 Oct 2016 (at the time of Convocation)
7	QA-SR-7	Alumni feedback form	Alumni On Line	30 Oct. 2016 (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 2016
2	QA-PSA-2	Professional and Special courses/workshops	Department On Line	11 Jan 2016 19 June 2016
3	QA-PSA-3	Conference	Department On Line	19 June 2016
4	QA-PSA-4	Industrial Interactions	Department On Line	11 Jan 2016 19 June 2016.
5	QA-PSA-5	Social Activities	Department	02 Aug. 2016

Recommendations – AQAR 2014-15

Following are the recommendations made by different subcommittees to improve the functioning of JIIT and increase its technical strength.

1. To increase the research component-
 - a. The ratio of Ph. D scholars registered and faculty with Ph. D may be improved by inducting more research scholars.
 - b. Efforts be made to improve the ratio of number of publications per faculty with Ph.D by asking each faculty to publish at least two research papers per year out of which at least one must be published in a peer reviewed international journal.
 - c. All departments of the institute must strive to secure more externally funded projects.
 - d. Contribution of faculty towards articles, books, book chapters etc. needs enhancement.
2. Biotechnology, HSS, PMSE, JBS and Mathematics departments may organize one international, one national conference/workshop and one FDP every year. Whereas CSE & IT and ECE departments may organize one international conference, two FDPs and two national workshop/seminar. This will increase quality publications from the department faculty.
3. Institute may involve itself in more social activities like Swachh Bharat Abhiyan, Adopt a school, etc.
4. Many of the new courses suggested by the students are covered in new curriculum one or other form. However C programming, Data Structure, DBMS which are sought by companies at the time of placement may be provided special attention through extra classes/lab sessions in 3rd year.
5. The process of adding new elective courses may be continued so that students get up to date knowledge and skill set.
6. The class strength may be restricted to 60 especially in 1st year courses. This will increase the inter-activeness in the class.
7. Infrastructure facilities like hardware, software, internet bandwidth as per requirement of the course may be enhanced.
8. More interaction with alumni, parents, industry experts may be organized.

Action Taken Report

The AQAR (Annual Quality Assurance Report) 2015-16 was sent to all Heads of Departments. The recommendations and possible action points were also discussed in IAMC (Institute Academic Management Committee) meeting.

This has resulted in generating overall sense of purpose for upgrading the quality in specific measurable terms. Following are the actions taken and outcome on various recommendations mentioned in AQAR 2014-15.

Recommendation-1:

a. Following is the ratio of Ph. D scholars and Faculty with Ph. D in different Departments:

Department Name	No. of Faculty with Ph. D	No. of Research Scholars	Ratio (Research Scholars/ Eligible Faculty)	
			2015-16	2014-15
Biotechnology	22	39	1.77	1.4
CSE & IT	28	58	2.07	2.1
ECE	22	35	1.59	1.4
PMSE	20	26	1.3	1.1
Maths	17	19	1.11	0.8
HSS	16	10	0.62	0.6
JBS	11	28	2.54	2.8

Thus, there is marginal improvement in case of Biotech, ECE, Maths and PMSE departments whereas for CSE & IT, and HSS departments the ratio is almost same as previous year. In case of JBS, there is marginal drop. Hence renewed efforts are required in this direction.

b. Efforts have been made in this direction. Following is the ratio of Publications/ Eligible Faculty in different departments.

Department Name	No. of Faculty with Ph. D	No. of Journal Publications	Ratio (Journal Publications/ Eligible Faculty)	
			2015-16	2014-15
Biotechnology	22	50	2.27	2.21
CSE & IT	28	42	1.5	1.16
ECE	22	35	1.59	0.61
PMSE	20	59	2.95	2.92
Maths	17	33	1.94	2.03
HSS	16	23	1.43	1.25
JBS	11	21	1.90	-

The average Impact Factor of publications is 1.022. Thus there is slight improvement in the ratio (Journal Publication /Faculty with Ph. D) in 2015-16 than 2014-15.

The no. of Scopus indexed Publications in last 3 calendar years are –

Year	No. of Publications with Scopus Index
2014	258
2015	295
January – June, 2016	165

This is an improvement in Scopus indexed publications. Faculty is now quality conscious. However, there is scope for further improvement in this direction.

c. The Department wise externally funded research projects are –

Department Name	No. of on-going Projects	Total Grant (Rs. In Lac)
Biotechnology	15*	467.72
PMSE	03	84.58
ECE	01 Submitted	-
CSE & IT	02 Submitted	-
Total	18 (ongoing) + 03 (submitted)	552.30
JBS	11	21

*In 2014-15 the total value of ongoing projects was Rs. 337.81 Lac. Thus, there is improvement in both no. of projects and Total grant. The % improvement in the ongoing project cost amounts to 63.5.

CSE & IT and ECE departments are also making efforts and have submitted 2 and 1 projects respectively.

d. The following table consists of no. of books /book chapters authored by IIIT faculty.

Department Name	No. of Books (with ISBN No.)	No. of Edited Books	No. of Book Chapters
Biotechnology	-	-	7
CSE & IT	-	-	5
ECE	-	-	-
PMSE	-	1	2
Maths	-	-	-
HSS	1	1	2
JBS	-	-	-
Total (2015-16)	1	2	16
Total (2014-15)	1	0	11

Thus, each department has been energized in this direction and there is visible progress in last one year.

Recommendation-2:

Following are the details of International Conferences, National Workshops, FDPs organized by different Departments of JIIT and JBS

Department Name	International Conference	National Seminar/Workshop	FDP	Total
Biotechnology	-	1	1	2
CSE & IT	1	6	2	9
ECE	-	1	2	3
PMSE	-	2	1	3
Maths	-	1	1	2
HSS	-	3	1	4
JBS	1	7	2	10

The comparison of the data with recommendations made in AQAR-2014-15:

- (a) Biotech, HSS, PMSE JBS and Maths departments are able to organize minimum 1 FDP + 1 National Workshop in the last one year against 1 International + 1 National + 1 FDP recommended.
- (b) CSE&IT is able to organize 1 International, 6 National workshops and 2 FDPs (against 1 International + 2 National + 2 FDPs), whereas ECE has organized 1 National workshop and 2 FDPs against 1 International + 2 National + 2 FDPs.

Hence, different departments are striving to meet the goal. In case of International Seminar/ Workshop outside funding from National organizations is a limitation.

However, efforts are being made to get sponsorship from different agencies such as DST, IEEE Chapter, CSIR, DEITY etc. The ECE Dept. had received sponsorship of Rs. 53000/- from CSIR for the conference, held in March 2015. Henceforth, effort will be made to enhance the sponsorship from various funding agencies for forthcoming conferences.

Recommendation-3:

Students are encouraged to take up more and more social activities. At the institute level regular blood donation camps are organized. Students also organize the collection and donation of unused clothes and other materials for poor and needy people.

Recommendation-4:

The C programming, Data Structure and DBMS are important courses and these skill sets are sought by the companies at the time of placement. Special emphasis is placed in inculcating and reinforcing these skill sets in 3rd year through Minor Project as well as special placement related classes.

Recommendation-5:

Every year, JIIT adds new elective courses. Total 35 new elective courses have been added in last one academic year 2015-16.

Recommendation-6:

The class strength of all theory core courses has been restricted to 60. The batch strength for lab classes and Tutorials is already 30.

Recommendation-7:

The institute is continuously upgrading its infrastructure facilities. In the last one year, following infrastructural up gradations have taken place:

- a. One ICT enabled lecture hall has been added.
- b. Five new laboratories have been added.
- c. Two new laboratories are under development.
- d. The internet bandwidth of JIIT 128 has been upgraded to 18 MB from 8MB.
- e. The total value of equipment procured during the year amount to Rs. 894.36 Lacs.

Recommendation-8:

(a) The Parents were contacted to seek their feedback regarding their wards performance and growth at JIIT. They were sent an online feedback form through their email IDs. Around 20 parents responded and provided their feedback. The feedbacks are being analyzed.

The Alumni were also contacted through email and they were asked to share their experiences at the organization they are working. A meeting was also organized with Alumni. Around 10 alumni responded and provided their feedback in the given Performa. The feedbacks are being analyzed.

(b) The Performa for student exit feedback was redesigned to include rating on different parameters and comments on Training and Placement activities. Total 900 feedback exit feedback forms were filled. The recommendation and suggestions made are being analysed.



Jaypee Institute of Information Technology
(Declared Deemed to be University under Section 3 of UGC Act, 1956)

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