



SELF STUDY REPORT

FOR

2nd CYCLE OF ACCREDITATION

JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY

JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY, A-10, SECTOR-62
201309

www.jiit.ac.in

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NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

June 2022

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

The Jaypee Group, ever since its inception, has been transforming dreams into reality. The Group is known for its great success stories in diversified areas of Engineering & Construction, Cement, Power, Fertilizers, Real Estate, Expressways, Hospitality, Healthcare, Sports, Information Technology. In order to fulfill the objectives of socio-economic development, the Group has set up Jaiprakash Sewa Sansthan (JSS), a “not-for-profit” trust. Jaypee Institute of Information Technology (JIIT), Noida was established by JSS in 2001, to fulfill its goal of providing quality higher education to the society. The visionary founder of the Group, Shri Jaiprakash Gaur, established this institute with the noble thought of providing quality education in Engineering, Sciences and Management. JIIT is a world class institute for higher education located in Noida, Uttar Pradesh. Institute has two campuses, one at Sector 62 and another at Sector 128.

Since beginning, JIIT has envisioned becoming a centre of excellence for education, training and research in the field of Information Technology and other emerging areas. It aimed at producing professionals who shall be leaders in innovation, entrepreneurship, creativity and management. Very soon, in 2004, the Institute got recognition of its efforts, was conferred the status of a Deemed to be University, and since then, has evolved into a centre of excellence in the field of Computer Science and Engineering, Information Technology, Electronics and Communication Engineering, Biotechnology, Management and related emerging areas of education, training and research. The Institute has made continuous progress and has now become one of the best private institute in the NCR region. JIIT has been ranked 94th in the 2021 India Ranking in the Engineering Category by NIRF.

University believes in the ideology of serving the society and also wants to develop student’s consciousness and well-being and for this purpose it has set up National Service Scheme (NSS) which is a permanent youth programme under the Ministry of Youth Affairs and sports, Government of India and funded by Government of Tamil Nadu and Government of India.

JIIT is an active member of Unnat Bharat Abhiyan program and is also an active member of MHRD’s Innovation Cell (MIC).

Vision

“To become a center of excellence in the field of IT & related emerging areas, 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.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Experienced, dedicated and qualified faculty
- Excellent infrastructure and well-equipped state-of-the-art laboratories
- Green and Clean Campus with all modern facilities.
- Excellent campus placement opportunities for students
- State of the art curriculum that is periodically improved by constant consultation with subject experts, peers, alumni
- Wide range of courses and flexible curriculum
- Sustainable academic ambience for better teaching learning
- Faculty involved in high-quality research
- Teaching assistance provided for M.Tech and Ph.D students.
- Transparency in the admissions, teaching and learning, evaluation and examination, and other academic activities and administrative processes.
- Enthusiasm to learn and grow among faculties and students
- Support is provided to faculties and students for innovation, incubation and entrepreneurial activities by the institute.
- Location and proximity to a lot of IT-Industries.
- Good Alumni network.

Institutional Weakness

- Alumni network and its activities to be strengthened.
- Number of activities to be increased to sensitize students for social responsibilities.
- Less number of International Students.

Institutional Opportunity

- Opportunity to strengthen Industry-Institute linkage and more so being located in National Capital Region (NCR).
- Opportunity for inter and multi-departmental research and developmental activities.
- Opportunity to tap more sponsored research projects in the thrust areas identified in the National missions.

- Opportunity to move from only classroom teaching to blended and online teaching and learning.

Institutional Challenge

- To attract working professionals in short and long term professional development programmes (PDP).
- Less inclination of students towards higher technical education.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The robust curriculum of JIIT plays an important role in guiding young people to become competent professionals having good understanding of their ethical and social responsibilities. Institute offers Ph.D., Post-graduate, and Undergraduate programmes and the focus is on Outcome Based Education in all programmes offered and courses have well defined course outcomes that are aligned with Institute's vision and mission. To make the curricula relevant to the local, national, regional and global developmental needs and to increase employability of our students, regular feedback and suggestions from subject experts, students, alumni, industry experts are being incorporated on a regular basis to update the courses. In order to meet industry needs and to keep up with latest technology trends, new courses are frequently introduced. Institute follows a well defined process for the purpose of introducing or revising courses. Courses to be introduced or revised are presented at the Board of studies (BOS) for their critical review and then the recommendations of BOS are placed before the Academic Council for approval.

To provide flexibility to its students, the academic system of JIIT allows students to opt for departmental or open electives. B.Tech students also get a chance to opt for Minor Specialization in the areas other than their main branch and on successful completion of the requirements students are awarded an additional certificate of Minor area. B.Tech student can also get additional Certificate of Proficiency in a sub-area of specialization of major degree on successful completion of the requirements. In order to create a conducive environment where students can become able professionals, have commitment to human values and become culturally and socially responsible human beings, certain value added courses emphasizing on Professional ethics, morality, human values, social awareness, sustainability are offered. At JIIT, we strive to provide a learning and research oriented environment to our students so that they can flourish to their full extent.

Teaching-learning and Evaluation

Admission in all programs are done purely on the basis of merit at all-India competitive examinations such as JEE main, CAT, MAT, GATE, etc. except Biotechnology programs, wherein admissions are based on 12th class board-examination results to allow biology stream students to get admission. Demand ratio for admissions in all the programs on the average in the last five years has been 1: 4.05. Institute adheres to the Govt. reservation policy for SC/ ST students. In the last five years, on an average students took admission on 6.88% of reserved seats.

Students come from various educational and social backgrounds. Institute takes several measures to handle the diversity through carefully designed orientation programme, special English language courses, summer courses, and bridge-courses. For advanced learners, seminars, conferences, and workshops are arranged as well opportunity for minor specialization.

For maintaining high standards of teaching, learning and evaluation (TLE), quality of teachers is of utmost importance. Currently, in the institute about 78% of full time teachers are with PhD; average teaching experience of the teachers is about 8.37 years and student-teacher ratio is 19:1.

The Institute encourages teachers to use student centric and effective teaching-learning methods such as collaborative teaching; cross-level peer mentoring, use of ICT enabled tools, etc. Institute also allocates faculty mentors, one for 30 students, for mentoring of students on academic and other issues throughout their program.

The Institute strictly adheres to the academic calendar for TLE. The examination process is tuned for continuous evaluation, transparency, timeliness, objectivity and fairness. All results are declared as per schedule of the academic calendar; on the average, within 10 days of the end of examination in each semester. Students are given ample opportunity to discuss their exam-evaluations with concerned faculty at every stage. The results are prepared and maintained through ERP software. Ph. D. evaluation follows a standard two-examiner system - one foreign and one Indian.

The institute has adopted Outcome Based Education in its academic programs. The stated and well publicized learning outcomes/ graduate attributes are fully integrated into the assessment process. Attainments of CO, PO and PSOs are evaluated every semester.

Research, Innovations and Extension

Jaypee Institute of Information technology aims to be excellent in research and innovations. In order to excel in the field of research and innovation, JIIT has focussed from the beginning in recruiting the faculty preferably with Ph.D. from the premier Institutions along with strong research backgrounds. JIIT has well-established research policies to promote research and innovations. JIIT has provided the infrastructural facilities supported by state-of-the-art developed research laboratories equipped with modern high-tech equipment along with advanced software. In order to strengthen research and innovations, JIIT has started several PG and Ph.D. programs in all Departments. JIIT has organized multiple research-based activities like seminars, expert lecture workshops, and national and international conferences in offline, online, and hybrid modes as per the COVID-19 situation. JIIT has also promoted research by providing Research Assistantship to the registered research scholars at post-graduate and doctoral levels. JIIT faculty is encouraged to generate funds for research from JIIT/ government/non-government funding agencies via submitting research proposals and hence, developing an ecosystem favorable for research and innovations. In addition, faculty members and research students are also encouraged to present their papers at national/international conferences of high repute. In the last few years, JIIT has also organized several conferences where accepted papers are published by IEEE Xplore, Materials Today Proceeding by Elsevier, AIP conference proceeding by American Institute of Physics, etc. Faculty members are also encouraged to go for post-doc to upgrade their research skills and acquire advanced knowledge. JIIT strongly follows the stated code of ethics in research and hence allows research paper publications, PG and Ph.D. These are only after going through plagiarism check software.

JIIT also made efforts to establish MOUs with leading academic and industrial organizations to upgrade the quality of teaching and research at undergraduate, post-graduate, and doctoral-level research activities. JIIT also

promotes extension activities through its various HUBS, Yoga, NSS, etc. to develop the overall personality of the students.

The equipment and software used for experimental and theoretical research in all laboratories at JIIT are being regularly updated via establishing annual maintenance contracts and renewal of licenses with the concerned company.

Infrastructure and Learning Resources

JIIT has developed as a modern world class campus, with intellectually vibrant ambience in a serene and lush green environment. It has two campuses at Sector-62 & Sector-128 Noida respectively. The sprawling campus is spread over an area of over 15.65 acres at Sector 62 and 6.42 acres at Sector 128 and Total Built-Up Area is 141610 Sqm.

The Institute has adequate physical infrastructure to facilitate teaching, research, extracurricular activities, and residential facility for faculty, staff and students. Infrastructure facilities constitutes 89 lecture theatres/classrooms, 16 tutorial rooms, 102 laboratories, libraries, conference halls, 2000 capacity auditorium, MPH & OAT's, hostel accommodation of a 2547 seats, 34 faculty residences and mess facilities. Entire campus is centrally air conditioned and has 24 hour 100% power back-up. Some other facilities includes gyms, swimming pools, laundry, medical dispensary, central RO & Hot water supply, tuck shop, ATM, guest house, CCTV & parking facilities.

The Institute houses a modern central library named as Learning Resource Centre (LRC) which is spread over two locations with central air-conditioning. It has complete wi-fi availability, an e-resources access area with desktops, reading area, about 80,500 print books, more than 7800 e-journals of ACM, IEEE, Springer etc., Internet bandwidth of 1.1 Gbps, and computerized issue/return of books.

The campus has a full-fledged Information Technology Centre (IT Centre) which manages all IT services and develops the IT infrastructure in the Institute. All Faculty, Staff and students are allocated user id and password to avail these services. The centre has deployed all major network security tools such as Firewall, IDS, IPS and Antivirus software to safeguard Institute network. The Institute has a computer-student ratio of 1:2.46 which gives sufficient opportunity to the students to make use of computer resources. These facilities go a long way in making information and knowledge “omnipresent”.

Student Support and Progression

JIIT practices student-first approach giving ample priority to quality, consistency and excellence in imparting knowledge and support at every step. JIIT provides a variety of merit-based scholarships, teaching assistantships, research assistantship to MTech and PhD students to facilitate their research and development. Institute's CEDC, Innovation Council & JIIC, apart from various hubs under Jaypee Youth Club and T & P strive to foster language skills, soft skills and technical skills amongst students. Multiple skill development workshops, conferences, training programs, language labs, seminars, invited lectures conducted year-round facilitate professional development of students to higher education and secure gainful employment. T&P Cell is very active and good number placement offers are being offered to our students, last year highest package being 43.88 Lacs by Adobe.

Student mentoring and support is always given due precedence. Apart from the subject faculty, students are assigned to faculty counsellors. Specially designed classes are conducted for weak learners and needy students. Institute's Psychiatrist-on-call, Grievance redressal cell, Gender committee, SCC Centre, Anti Ragging Committee etc aid in timely action against any difficulty that students may face.

The institute is mindful of holistic student development. Nearly 24 student hubs, student chapters plan and execute multiple events including hackathons, coding games, sports and cultural activities through JYC. Institute has active Alumni cell at institutional and departmental level, that conducts alumni meets and interactive sessions. Alumni are part of certain institute committees and their suggestions are incorporated. The Institute newsletter has specified pages highlighting Alumni achievements and student winners.

Governance, Leadership and Management

Jaypee institute of Information Technology, Noida has an effective leadership having participative management. The Strategic Plan of the institute has been drafted keeping in view the vision, mission and comprehensive approach of long-term development of the institute. It encompasses in itself various dimensions of growth including Academic Excellence, Research and Innovation, Collaborations, Capacity Building, Self-reliance, Governance and Integration, Infrastructure, Holistic Development, Sustainability, etc. JIIT has a well-structured annual self-appraisals system for faculty and non-teaching staff. E-governance in different areas of administration, admission, attendance maintenance, salary payment, examination related matters etc has been implemented for effective and transparent functioning of institutional bodies. Institute has deployed faculty empowerment strategies for professional development of teaching and non-teaching staff. Through various welfare schemes, policies, conducting workshops, FDPs, SDPs and facilitating with financial support to attend conferences/workshops and different administrative training programs. Institute conducts internal and external financial audits regularly. Two practices institutionalized as a result of IQAC initiatives are: Implementation of PBL System as essential component of Experiential Teaching Learning Process; Curricula alignment as per Industry requirements. IQAC has effectively brought major changes in the institutional academic and administrative culture through its rigorous process of Audit, feedback collection, recommendations and monitoring of Action taken in this regard thereby promoting Institutional R&D activities, increasing sponsored research projects, creation of specialized labs, research centers and groups, procurement of instruments/software for high-end research, Patents, increasing library resources, creating policy framework at different levels etc.

Institutional Values and Best Practices

JIIT is well equipped to handle and respond to gender sensitive issues and provides an environment where students can study together with a sense of security and dignity. A very proactive ICC Cell works to sensitize at all levels the matters pertaining to Gender. The institute conducts regular gender equity promotion programs. The institution shows sensitivity to issues related to climate changes and environmental issues. It adopts environment-friendly practices such as – energy conservation, rain water harvesting, waste recycling (solid and liquid waste management, e-waste management), and green practices etc. The institution also provides facilities for differently-abled students and staff and aims to promote an inclusive learning, teaching and working environment.

Institute provides an inclusive environment for cultural, regional, linguistic, communal socioeconomic and other diversities. Different sports and cultural activities are organized inside the institute in order to promote

harmony towards each other. Commemorative days and National festivals are celebrated in the Institute. Institute has very strongly laid out code of ethics for students and a separate code of ethics for teachers and other employees which has to be followed by each one of them irrespective of their cultural, regional, linguistic, communal socioeconomic and other diversities. In terms of Best Practices, research, e-management and peer mentoring are some of the issues which are regularly followed by the Institute. Through all its sustained efforts, Institute tries to fulfil its vision of being Centre of Excellence in IT and related fields and endeavours to create its institutional distinctiveness.

NAAC

2. PROFILE

2.1 BASIC INFORMATION

| Name and Address of the University | |
|------------------------------------|---|
| Name | JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY |
| Address | Jaypee Institute of Information Technology, A-10, Sector-62 |
| City | Noida |
| State | Uttar pradesh |
| Pin | 201309 |
| Website | www.jiit.ac.in |

| Contacts for Communication | | | | | |
|----------------------------|---------------|-------------------------|------------|-----|-------------------------|
| Designation | Name | Telephone with STD Code | Mobile | Fax | Email |
| Vice Chancellor | Y.r. Sood | 0120-2400973 | 9582377775 | - | yr.sood@jiit.ac.in |
| IQAC / CIQA coordinator | Hari Om Gupta | 0120-2594109 | 9582899128 | - | hariom.gupta@jiit.ac.in |

| Nature of University | |
|----------------------|-------------------|
| Nature of University | Deemed University |

| Type of University | |
|--------------------|---------|
| Type of University | Unitary |

| Establishment Details | |
|--|-----------------------|
| Establishment Date of the University | 01-11-2004 |
| Status Prior to Establishment, If applicable | Other |
| Establishment Date | 27-08-2001 |
| Any Other, Please Specify | Independent Institute |

| Recognition Details | | |
|--|-------------|----------------------|
| Date of Recognition as a University by UGC or Any Other National Agency : | | |
| Under Section | Date | View Document |
| 2f of UGC | | |
| 12B of UGC | | |

| University with Potential for Excellence | |
|--|----|
| Is the University Recognised as a University with Potential for Excellence (UPE) by the UGC? | No |

| Location, Area and Activity of Campus | | | | | | | |
|--|--|------------------|-----------------------------|---------------------------------|---|------------------------------|--|
| Campus Type | Address | Location* | Campus Area in Acres | Built up Area in sq.mts. | Programmes Offered | Date of Establishment | Date of Recognition by UGC/MHRD |
| Main campus | Jaypee Institute of Information Technology, A-10, Sector-6 2 | Urban | 22.07 | 141610 | B.Tech(in CSE,E CE,IT,BI OTECH), INTGT (in BIOT ech,CSE, ECE), M.Tech (in CSE, ECE,BIO TECH), M.Sc(in Physics, Mathema tics,Micr obiolg,E nvt Biote ch),MBA , BBA ,PhD (in Biotech, CSE,EC E,PMSE, Math,HS S,Manag ement) | | |

2.2 ACADEMIC INFORMATION

Furnish the Details of Colleges of University

| Type Of Colleges | Numbers |
|---|---------|
| Constituent Colleges | 0 |
| Affiliated Colleges | 0 |
| Colleges Under 2(f) | 0 |
| Colleges Under 2(f) and 12B | 0 |
| NAAC Accredited Colleges | 0 |
| Colleges with Potential for Excellence(UGC) | 0 |
| Autonomous Colleges | 0 |
| Colleges with Postgraduate Departments | 0 |
| Colleges with Research Departments | 0 |
| University Recognized Research Institutes/Centers | 0 |

| Is the University Offering any Programmes Recognised by any Statutory Regulatory Authority (SRA) | : Yes | | | | |
|---|--|----------|-------|--|--|
| <table border="1"> <thead> <tr> <th>SRA program</th> <th>Document</th> </tr> </thead> <tbody> <tr> <td>AICTE</td> <td>103336 8213 1 1648440791.PDF</td> </tr> </tbody> </table> | SRA program | Document | AICTE | 103336 8213 1 1648440791.PDF | |
| SRA program | Document | | | | |
| AICTE | 103336 8213 1 1648440791.PDF | | | | |

Details Of Teaching & Non-Teaching Staff Of University

| Teaching Faculty | | | | | | | | | | | | |
|------------------|-----------|--------|--------|-------|---------------------|--------|--------|-------|---------------------|--------|--------|-------|
| | Professor | | | | Associate Professor | | | | Assistant Professor | | | |
| | Male | Female | Others | Total | Male | Female | Others | Total | Male | Female | Others | Total |
| Sanctioned | 49 | | | | 94 | | | | 255 | | | |
| Recruited | 16 | 18 | 0 | 34 | 23 | 25 | 0 | 48 | 97 | 106 | 0 | 203 |
| Yet to Recruit | 15 | | | | 46 | | | | 52 | | | |
| On Contract | 8 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Non-Teaching Staff | | | | |
|---------------------------|-------------|---------------|---------------|--------------|
| | Male | Female | Others | Total |
| Sanctioned | | | | 88 |
| Recruited | 55 | 16 | 0 | 71 |
| Yet to Recruit | | | | 17 |
| On Contract | 9 | 1 | 0 | 10 |

| Technical Staff | | | | |
|------------------------|-------------|---------------|---------------|--------------|
| | Male | Female | Others | Total |
| Sanctioned | | | | 101 |
| Recruited | 75 | 18 | 0 | 93 |
| Yet to Recruit | | | | 8 |
| On Contract | 4 | 0 | 0 | 4 |

Qualification Details of the Teaching Staff

| Permanent Teachers | | | | | | | | | | |
|------------------------------|------------------|--------|--------|----------------------------|--------|--------|----------------------------|--------|--------|--------------|
| Highest Qualification | Professor | | | Associate Professor | | | Assistant Professor | | | Total |
| | Male | Female | Others | Male | Female | Others | Male | Female | Others | |
| D.sc/D.Litt/LLD/DM/MCH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ph.D. | 24 | 18 | 0 | 23 | 25 | 0 | 68 | 79 | 0 | 237 |
| M.Phil. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PG | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 27 | 0 | 56 |

| Temporary Teachers | | | | | | | | | | |
|------------------------------|------------------|--------|--------|----------------------------|--------|--------|----------------------------|--------|--------|--------------|
| Highest Qualification | Professor | | | Associate Professor | | | Assistant Professor | | | Total |
| | Male | Female | Others | Male | Female | Others | Male | Female | Others | |
| D.sc/D.Litt/LLD/DM/MCH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ph.D. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| M.Phil. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Part Time Teachers | | | | | | | | | | |
|------------------------------|------------------|--------|--------|----------------------------|--------|--------|----------------------------|--------|--------|--------------|
| Highest Qualification | Professor | | | Associate Professor | | | Assistant Professor | | | Total |
| | Male | Female | Others | Male | Female | Others | Male | Female | Others | |
| D.sc/D.Litt/LLD/DM/MCH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ph.D. | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 3 |
| M.Phil. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PG | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 |

Distinguished Academicians Appointed As

| | Male | Female | Others | Total |
|--------------------|-------------|---------------|---------------|--------------|
| Emeritus Professor | 0 | 0 | 0 | 0 |
| Adjunct Professor | 1 | 0 | 0 | 1 |
| Visiting Professor | 0 | 0 | 0 | 0 |

Chairs Instituted by the University

| Sl.No | Name of the Department | Name of the Chair | Name of the Sponsor Organisation/Agency |
|-------|---|-------------------|---|
| 1 | Computer Science and Engineering and Information Technology | NIL | NIL |
| 2 | Mathematics | NIL | NIL |
| 3 | Biotechnology | NIL | NIL |
| 4 | Management | NIL | NIL |
| 5 | Electronics and Communication Engineering | NIL | NIL |
| 6 | Humanities and Social Sciences | NIL | NIL |
| 7 | Physics and Materials Science and Engineering | NIL | NIL |

Provide the Following Details of Students Enrolled in the University During the Current Academic Year

| Programme | | From the State Where University is Located | From Other States of India | NRI Students | Foreign Students | Total |
|-----------------|--------|--|----------------------------|--------------|------------------|-------|
| UG | Male | 1711 | 1255 | 63 | 3 | 3032 |
| | Female | 656 | 344 | 21 | 1 | 1022 |
| | Others | 0 | 0 | 0 | 0 | 0 |
| PG | Male | 42 | 22 | 0 | 0 | 64 |
| | Female | 93 | 37 | 0 | 2 | 132 |
| | Others | 0 | 0 | 0 | 0 | 0 |
| Doctoral (Ph.D) | Male | 68 | 31 | 0 | 0 | 99 |
| | Female | 174 | 81 | 0 | 0 | 255 |
| | Others | 0 | 0 | 0 | 0 | 0 |

| | |
|---|-----|
| Does the University offer any Integrated Programmes? | Yes |
|---|-----|

| | |
|---|---|
| Total Number of Integrated Programme | 3 |
|---|---|

| Integrated Programme | From the State where university is located | From other States of India | NRI students | Foreign Students | Total |
|-----------------------------|---|-----------------------------------|---------------------|-------------------------|--------------|
| Male | 82 | 71 | 0 | 0 | 153 |
| Female | 63 | 39 | 0 | 0 | 102 |
| Others | 0 | 0 | 0 | 0 | 0 |

Details of UGC Human Resource Development Centre, If applicable

| | |
|--|-----|
| Year of Establishment | Nil |
| Number of UGC Orientation Programmes | 0 |
| Number of UGC Refresher Course | 0 |
| Number of University's own Programmes | 0 |
| Total Number of Programmes Conducted (last five years) | 0 |

Accreditation Details

| Cycle Info | Accreditation | Grade | CGPA | Upload Peer Team Report |
|-------------------|----------------------|--------------|-------------|--|
| Cycle 1 | Accreditation | B | 2.9 | NAAC PEER REPORT-2015-compressed.pdf |

2.3 EVALUATIVE REPORT OF THE DEPARTMENTS

| Department Name | Upload Report |
|---|-------------------------------|
| Biotechnology | View Document |
| Computer Science And Engineering And Information Technology | View Document |
| Electronics And Communication Engineering | View Document |
| Humanities And Social Sciences | View Document |
| Management | View Document |
| Mathematics | View Document |
| Physics And Materials Science And Engineering | View Document |

Institutional preparedness for NEP

| | |
|---|--|
| 1. Multidisciplinary/interdisciplinary: | <p>Since the approval of NEP 2020, JIIT has been active in incorporating and upgrading itself as per the policy. A committee was constituted in October 2020 to formulate the recommendations with respect to JIIT. Based on the reports, a roadmap has been prepared for implementation of NEP at JIIT. JIIT besides having Departments of Computer Science and Engineering/ Information Technology, Electronics and Communication Engineering and Biotechnology; also has Departments of Humanities and Social Sciences, Mathematics, Physics and Material Sciences and Engineering and Management. The courses from these disciplines are embedded in the course structure of engineering and technology which exhibits the multidisciplinary/ interdisciplinary nature of curricula.</p> |
| 2. Academic bank of credits (ABC): | <p>A flexible course structure is offered in the form of choice in electives, open electives and major and minor projects. Flexibility of opting for several elective subjects provides a wide opportunity to the students to obtain proficiency certificates in upcoming areas like AI, IoT, Cloud Computing, Blockchain, Data Analytics, Machine Learning, Cyber Security, Mobile Computing, Robotics, Embedded Systems, Contemporary Communication Systems, VLSI, Industrial Biotechnology, Medical Biotechnology, Plant Biotechnology, Bioinformatics, Environmental Biotechnology and Food Biotechnology. Students can also opt for minor specialization in other branches of Engineering other</p> |

| | |
|--|--|
| | <p>than their core branch by opting for some extra credits. The institute is registered under ABC (www.abc.gov.in) for providing the facility to students.</p> |
| 3. Skill development: | <p>JIIT provides sufficient opportunities to students for enhancing their skills and hobbies through participation in several activities of different clubs, called hubs and cells. Hubs for the different skills are as listed below:</p> <ul style="list-style-type: none"> • Entrepreneurship: Knuth programming, Google Develop Group Club, Jaypee Economics & Business Hub. • Critical Thinking Skills: Jaypee Economics & Business Hub, Capability Enhancement and Development Cell, Institution's Innovation Council (IIC). • Creativity: Graficas Hub, Expressions-Painting Hub, Kalakriti Hub, JPEG-Photography Hub, iCreate Hub. • Diversity: Jhankaar-Dance Hub, Crescendo-Music Hub, International Student Cell. • Personality Development and Writing : Yoga and Health Hub, Sports Hub, Thespian Circle-(Drama), Radiance Hub, Page Turner Society, Parola-Literary Hub • Life Skills and Character Formation: Sports Hub, Adwitiya Hub, Yoga and Health Hub |
| 4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course): | <p>Regarding integration of Indian Knowledge system to the students, hubs like Kalakriti (Rangoli Hub) and Jhankaar (Indian Dance Hub) provide a platform to young engineers to showcase their creativity and artistic capabilities. These hubs organize various activities throughout the year to keep them connected to Indian culture and values.</p> |
| 5. Focus on Outcome based education (OBE): | <p>Following the outcome-based education (OBE) system, the curriculum has been carefully designed to meet the Program Objectives. The curriculum is subjected to change based on the students' feedback, market requirements and the challenges. The curriculum structure was updated and re-designed in 2018. The syllabi of all the courses are regularly reviewed and revised through the Departmental Board of Studies meetings which is held every semester. The process used to identify extent of compliance of program curriculum for attaining the Program Outcomes and Program Specific Outcomes is properly defined. Starting from identifying Course Outcomes for each subject, mapping each Course Outcome with POs and PSOs, gap is analysed and discussed in the Departmental Advisory Committee</p> |

| | |
|---|--|
| | meeting and actions are taken to overcome them. |
| 6. Distance education/online education: | During the pandemic period, the institute has developed a robust online system for online classes (using GSuite) and for proctored online examinations (using Mettl). In future, a Digital Learning Centre (DLC) is being set up at JIIT for the development of online course contents. DLC will help in enhancing learning experiences of teachers and students, facilitate the students to have better learning, help in tracking students' progression, and provide transparency into the learning processes. |

NAAC

Extended Profile

1 Program

1.1

Number of programs offered year-wise for last five years

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---|---------|-------------------------------|---------|---------|
| 22 | 22 | 18 | 18 | 18 |
| File Description | | Document | | |
| Institutional data in prescribed format | | View Document | | |

1.2

Number of departments offering academic programmes

Response: 7

2 Students

2.1

Number of students year-wise during last five years

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---|---------|-------------------------------|---------|---------|
| 4907 | 4946 | 5069 | 5230 | 5186 |
| File Description | | Document | | |
| Institutional data in prescribed format | | View Document | | |

2.2

Number of outgoing / final year students year-wise during last five years

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---|---------|-------------------------------|---------|---------|
| 1214 | 1225 | 1331 | 1267 | 1240 |
| File Description | | Document | | |
| Institutional data in prescribed format | | View Document | | |

2.3**Number of students appeared in the University examination year-wise during the last five years**

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---|---------|-------------------------------|---------|---------|
| 4542 | 4619 | 4816 | 4990 | 5021 |
| File Description | | Document | | |
| Institutional data in prescribed format | | View Document | | |

2.4**Number of revaluation applications year-wise during the last 5 years**

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 0 | 0 | 0 | 0 | 0 |

3 Teachers**3.1****Number of courses in all programs year-wise during last five years**

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---|---------|-------------------------------|---------|---------|
| 605 | 583 | 536 | 539 | 515 |
| File Description | | Document | | |
| Institutional data in prescribed format | | View Document | | |

3.2**Number of full time teachers year-wise during the last five years**

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---|---------|-------------------------------|---------|---------|
| 265 | 268 | 259 | 235 | 235 |
| File Description | | Document | | |
| Institutional data in prescribed format | | View Document | | |

3.3

Number of sanctioned posts year-wise during last five years

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---|---------|-------------------------------|---------|---------|
| 390 | 316 | 314 | 404 | 404 |
| File Description | | Document | | |
| Institutional data in prescribed format | | View Document | | |

4 Institution**4.1****Number of eligible applications received for admissions to all the programs year-wise during last five years**

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---|---------|-------------------------------|---------|---------|
| 6341 | 8014 | 6196 | 7351 | 8751 |
| File Description | | Document | | |
| Institutional data in prescribed format | | View Document | | |

4.2**Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during last five years**

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---|---------|-------------------------------|---------|---------|
| 276 | 276 | 276 | 276 | 276 |
| File Description | | Document | | |
| Institutional data in prescribed format | | View Document | | |

4.3**Total number of classrooms and seminar halls****Response: 89****4.4****Total number of computers in the campus for academic purpose****Response: 2472**

4.5

Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 2694 | 4661 | 5365 | 4599 | 4137 |

NAAC

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curriculum Design and Development

1.1.1 Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme Specific Outcomes(PSOs) and Course Outcomes(COs) of the Programmes offered by the Institution.

Response:

Institute follows a systematic process for developing and updating curricula. To develop and revise the curricula, suggestions from students, alumni, faculty members, industry experts and academic experts is taken into consideration. The suggested curriculum is then placed before the Board of Studies (BOS) and recommendations of BOS are further placed before the Academic council (<https://www.jiit.ac.in/minutes-meetings-0>).

The curriculum of the programmes is carefully designed in a manner that meets the requirements of industry, academics, and research areas. Time to time benchmarking of course content is done with the course content of top-ranked National and International universities. The process of benchmarking courses helps in identifying the gaps and fulfilling them by revising the content and also helps in ensuring quality education. The courses offered in the programmes help in developing professional qualities, leadership skills and give opportunities to students to learn, explore, innovate, create, manage, collaborate as well as compete globally.

JiIT believes in the concept of learning by doing and understands the importance of research-based learning as it results in the enhancement of technical competency, critical thinking and innovativeness. Project based learning component in courses promotes deeper learning and better engagement. Students have to work on minor and major projects. This allows students to develop a more grounded and practical understanding and often they get an opportunity to interact with industry professionals and visit organizations. B.Tech students are also given an opportunity to opt for Minor Specialization in areas other than their main branch.

Programme Educational Objectives (PEOs), Programme Outcomes (POs), Programme Specific Outcomes (PSOs) of all programmes and Course Outcomes (COs) of all courses are completely in alignment with the vision and mission of the Institute (<https://www.jiit.ac.in/sites/default/files/OBE.pdf>). Feedback from all the stakeholders are collected on the above in order to ensure local, national, regional and global relevance of the curricula. JiIT strives to provide a good learning environment and groom its students in a manner that they become competent professionals having strong value system and become socially responsible human beings. Curricula are designed to impart professional and behavioural competencies thereby, transforming students to become new-age leaders in their future endeavours. Institute recognizes that in the current times where global boundaries are getting dissolved due to technological advancements and globalisation, students need to undergo holistic development. Certain courses are taught to impart knowledge on economic, social, legal, cultural and political spheres and challenges in society (<http://www.jbs.ac.in/mba-curriculum>, <http://www.jbs.ac.in/bba-curriculum>, <https://www.jiit.ac.in/course-outline-1>). Curricula of the programmes serve as a nurturing ground not only to develop skill sets for meeting the special challenges in the 21st century competitive workplace but also germinate the seed of

curiosity which helps students in becoming innovative, creative, observant and make them capable to recognize the need of their surroundings and explore the probable solutions to serve the society and environment. The amalgamation of knowledge gained through studying courses, minor and major projects, assignments, workshops, seminars, paper presentations, internship grooms students professionally and personally and make them responsible human beings.

| File Description | Document |
|-------------------------------|-------------------------------|
| Upload Additional information | View Document |

1.1.2 Percentage of Programmes where syllabus revision was carried out during the last five years.

Response: 100

1.1.2.1 How many Programmes were revised out of total number of Programmes offered during the last five years

Response: 22

1.1.2.2 Number of all Programmes offered by the institution during the last five years.

Response: 22

| File Description | Document |
|--|-------------------------------|
| Minutes of relevant Academic Council/BOS meeting | View Document |
| Institutional data in prescribed format | View Document |
| Details of Programme syllabus revision in last 5 years | View Document |
| Any additional information | View Document |
| Link for additional information | View Document |

1.1.3 Average percentage of courses having focus on employability/ entrepreneurship/ skill development offered by the institution during the last five years

Response: 82.07

1.1.3.1 Number of courses having focus on employability/ entrepreneurship/ skill development year-wise during the last five years

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 505 | 486 | 463 | 442 | 387 |

| File Description | Document |
|--|-------------------------------|
| Programme/ Curriculum/ Syllabus of the courses | View Document |
| MoU's with relevant organizations for these courses, if any | View Document |
| Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses | View Document |
| Institutional data in prescribed format | View Document |
| Any additional information | View Document |

1.2 Academic Flexibility

| <p>1.2.1 Percentage of new courses introduced of the total number of courses across all programs offered during the last five years.</p> <p>Response: 43.04</p> | |
|--|-------------------------------|
| <p>1.2.1.1 How many new courses were introduced within the last five years.</p> <p>Response: 547</p> | |
| <p>1.2.1.2 Number of courses offered by the institution across all programmes during the last five years.</p> <p>Response: 1271</p> | |
| File Description | Document |
| Minutes of relevant Academic Council/BOS meeting | View Document |
| Institutional data in prescribed format | View Document |
| Any additional information | View Document |
| <p>1.2.2 Percentage of Programmes in which Choice Based Credit System (CBCS) / elective course system has been implemented (Data for the latest completed academic year).</p> <p>Response: 100</p> | |
| <p>1.2.2.1 Number of Programmes in which CBCS / Elective course system implemented.</p> <p>Response: 22</p> | |

| File Description | Document |
|---|-------------------------------|
| Minutes of relevant Academic Council/BOS meetings | View Document |
| Institutional data in prescribed format | View Document |
| Any additional information | View Document |

1.3 Curriculum Enrichment

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics ,Gender, Human Values ,Environment and Sustainability into the Curriculum

Response:

The Institute offers various socially relevant courses that integrate cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.

Compulsory courses of English (<https://www.jiit.ac.in/course-outline-1>) and Life Skills & Effective Communication (<https://www.jiit.ac.in/course-outline-1>) in I and II semesters respectively are taught with the aim to inculcate Professional Ethics and human values amongst our students. As the name suggests, Life Skills creates the foundational aspects of ethics and morality. Similarly, M Tech and M.Sc. students are taught about ethics and integrity through the compulsory papers of English for Research Paper Writing and Presentation and Communication Skills. The other B Tech compulsory courses like Indian Constitution and Traditional Knowledge and Economics imbibe human values and educate the students about environment and sustainability. Various electives are also undertaken by the students from III Semester onwards offered by the Dept. of Humanities and Social Sciences (HSS). These electives include courses like Human Rights & Social Justice, Sociology of Media, Industrial Sociology, Gender Studies, Rural & Urban Sociology, Theatre & Performance, Literature & Adaption, Planning & Economic Development, and Rural Development, etc., which strive to create social awareness in the young technocrats through exposure and education of values, principles and practices of the society. The different aspects of Human values like love compassion, truth, non-violence, righteousness, peace, renunciation, service are taught through the courses of Literature and Sociology. Value Added courses aim to inculcate moral and ethical values sensitising them to different issues that they would come across in different roles as peers, team mates, citizens and world leaders etc. The value-added course “Moralities of Everyday Life and Moral Decision Making” teaches the students issues pertaining to ethics, cultural relativism, universal aspects, evolution and development of moralities across time and contemporary ethical dilemmas one faces in day-to-day life. The value-added course “Theatre and Performance” orients the students to undertake the role of being ambassadors of humanity, which they themselves learn and orient others as well through street performances and nukkad natak. At JIIT Gender equity and sensitization is achieved through both curricular and co-curricular activities. Majority of the courses offered by HSS Department carry the essence of Gender Sensitization in the form of specific course content or self-learning assignments. Apart from these numerous elective courses like Gender studies, Introduction to Sociology, Sociology of Media, Sociology of Youth, Social Media and Society, Human Rights and Social Justice offer an in-depth insight in the area of gender equity. (<https://www.jiit.ac.in/course-outline-1>) Environmental Studies as a compulsory subject inculcates the sensitivity towards environmental issues amongst the students. (https://www.jiit.ac.in/sites/default/files/BTBiotech_RevMay18.pdf)

The BBA and MBA curricula also integrate the issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability through their courses of Business and Economic Environment, Technology, Corporate Governance and Business Ethics, Community Initiatives, Corporate Sustainability and Social Responsibility, Environment Science, Disaster Management, Business Communication, Effective Self-Management, Indian Ethos & Business Ethics. (www.jbs.ac.in/assets/front/pdf/BBA-2019-22-Curriculum-updated-08-02-2022.pdf; http://www.jbs.ac.in/assets/front/pdf/MBA-2021-23-Curriculum-updated-08-02-2022.pdf)

| File Description | Document |
|---|-------------------------------|
| Upload the list and description of the courses which address the Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum | View Document |

1.3.2 Number of value-added courses for imparting transferable and life skills offered during last five years.

Response: 40

1.3.2.1 How many new value-added courses are added within the last five years.

Response: 40

| File Description | Document |
|--|-------------------------------|
| Institutional data in prescribed format | View Document |
| Brochure or any other document relating to value added courses | View Document |
| Any additional information | View Document |

1.3.3 Average Percentage of students enrolled in the courses under 1.3.2 above.

Response: 22.43

1.3.3.1 Number of students enrolled in value-added courses imparting transferable and life skills offered year-wise during the last five years.

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 1173 | 1102 | 1113 | 1135 | 1156 |

1.3.4 Percentage of students undertaking field projects / research projects / internships (Data for

the latest completed academic year).

Response: 45.1

1.3.4.1 Number of students undertaking field projects or research projects or internships.

Response: 2213

| File Description | Document |
|---|-------------------------------|
| List of Programmes and number of students undertaking field projects research projects/ / internships (Data Template) | View Document |
| Any additional information | View Document |

1.4 Feedback System

1.4.1 Structured feedback for design and review of syllabus – semester-wise / year-wise is received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni

Response: A. All 4 of the above

| File Description | Document |
|---|-------------------------------|
| URL for stakeholder feedback report | View Document |
| Institutional data in prescribed format | View Document |
| Any additional information | View Document |
| Action taken report of the University on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload) | View Document |

1.4.2 Feedback processes of the institution may be classified as follows:

Response: A. Feedback collected, analysed and action taken and feedback available on website

| File Description | Document |
|---|-------------------------------|
| URL for feedback report | View Document |
| Upload any additional information | View Document |
| Institutional data in prescribed format | View Document |

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Demand Ratio (Average of last five years)

Response: 4.05

2.1.1.1 Number of seats available year wise during the last five years

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 1987 | 1838 | 1761 | 1766 | 1751 |

File Description

Document

Demand Ratio (Average of Last five years) based on Data Template upload the document

[View Document](#)

• Any additional information

[View Document](#)

2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the last five years (Excluding Supernumerary Seats)

Response: 6.88

2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 15 | 24 | 16 | 12 | 28 |

File Description

Document

Average percentage of seats filled against seats reserved (Data Template)

[View Document](#)

Any additional information

[View Document](#)

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

Response:

In order to satisfy the needs of the students from diverse backgrounds including backward community as well as from different locales, Institute has a well-defined policy for identifying students of different learning levels - advanced and slow learners and organize programs and provide them appropriate resources and opportunities. The related policy has been approved by academic council meeting of the institute held on 22 May, 2020 (Refer attachment). Weak and Advanced learners are identified on the basis of their performance in Test-1 in each subject. The identified weak learners are suitably helped by the faculty members and senior students (having 'A' or higher grade) for improving their performance in the concerned subjects. The improvement in performance of the students is again assessed in Test-2 and further help is provided if needed.

Institute also takes several steps to address the diverse needs of advanced learners. These steps are:

- The Learning Resource Centre (LRC) of the Institute has established a procedure of intensive scrutiny on the quality of books by the faculty before procurement. This is done to ensure availability of good quality books in the library, which is one of the most essential and important requirements of advanced learners. The recommendations for the procurement of books made by faculty are based on curricular needs as well as input of students.
- The Institute has subscribed large number of e-resources and journals. Students can access these learning resources online round the clock from anywhere on the campus. The students are provided free internet access in their hostel rooms also. These facilities and resources not only fulfil the requirements of advanced learners but also provide opportunity to other students to enhance their learning. These resources help on one hand to improve their knowledge about the current developments on the subjects of their interests and on the other hand help them to complete their mini projects, minor and major projects, dissertation, technical reports and write research papers on their projects.
- The Institute organizes a series of seminars/ conferences/ workshops where advanced learners and other students have opportunity to present papers, and interact with experts of different areas. The Institute has made a policy of free registration of the interested students in these academic activities organized in the Institute. The Institute also provides financial support to the students for presenting their work outside.
- The Academic system of B. Tech Program provides an option of Minor Specialisation in a branch other than the core branch. The students need to complete 20 credit courses of Minor specialisation either by undertaking courses offered by the concerned department and/or through MOOCs. This gives opportunity to students not only to enhance their knowledge in the subjects of their interest but also to earn certificate of Minor Specialisation.
- The Institute has made provision of offering some M. Tech. elective courses to the advanced learners of B. Tech. programmes, if they are interested in higher learning. The students stay back in summers to do projects under a faculty also.

| File Description | Document |
|---------------------------------------|-------------------------------|
| Upload Any additional information | View Document |
| Paste link for additional information | View Document |

2.2.2 Student - Full time teacher ratio (Data for the latest completed academic year)**Response:** 19:1

| File Description | Document |
|----------------------------|-------------------------------|
| Any additional information | View Document |

2.3 Teaching- Learning Process**2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences****Response:**

All curricular and co-curricular and extra-curricular activities use student centric methods which are summarized below:

- All core courses of UG and selected PG programs have separate contact hour for tutorial classes in which students in small groups are given problems and assignments to solve individually as well as in groups.
- Theory courses are supported by plenty of laboratory courses which enhance the learning experiences of students. In laboratory classes students perform the experiments in a group of 2 or 3.
- In each theory and lab courses have a component of project-based learning (PBL).
- B. Tech. curricula has two minor projects spread in 5th and 6th semesters and major project spread over 7th and 8th semesters to enhance learning experiences of students. The major projects can also be pursued in the industry. Master programs namely M. Sc and M Tech have also major projects in their curricula.
- After 6th semester, every student of B. Tech. undergoes compulsory summer internship in industry. Summer internship is a compulsory course of two credits with well-defined evaluative components.
- In B Tech program, cross-level peer mentoring of junior students is done easily accessible senior students for enhancing learning experiences through participative learning. This also deepens the technical competence of senior students and nurtures their leadership skills.
- Seminar and term paper is a compulsory course in the curricula of M Tech program.
- Institute has large number of technical hubs under the guidance of faculty advisors. Various technical events related to programming, robotics, multimedia, game design, web design, etc., are organised regularly by the hubs where students participate and pursue their passion for technology.
- Cyber Srishti is a major academic activity in which a wide range of events like Open Source Developers Conference (OSDConf), Entrepreneur's Speak, Students Project Exhibition, Embedded Programming Competition, Execute– A Programming Competition, and Web Designing Competition are held. In these activities, experts from academia and industry closely interact with the students both in groups and individually.
- The Institute has several technical and visual arts hubs which organize special lectures/ workshops and seminars on regular basis. In each Department, faculty is empowered to identify experts/ people of eminence, both from academia and industry, for delivering talks for the benefit of students, research scholars and faculty. All departments also organize their annual conferences wherein students of B. Tech, M. Tech, M. Sc and PhD are encouraged to participate and present their work.
- Jaypee Institute of Information Technology, Noida is a network institute of IIRS (Indian Institute of

Remote Sensing, ISRO) outreach network (<https://www.jiit.ac.in/dvv-naac/Criteria-2-DVVs/>). IIRS outreach program focuses on strengthening the academia and user segments in space technology and its applications using online learning platforms. The e-learning courses are self-paced and learner centric and targets professionals, academia and research community to enhance their knowledge in remote sensing and geospatial technology using online simulated learning contents.

Some typical curricula of programmes are uploaded herewith and for all other programmes detailed curricula can be accessed from website (<https://www.jiit.ac.in/departments>)

| File Description | Document |
|-----------------------------------|-------------------------------|
| Upload any additional information | View Document |
| Link for Additional Information | View Document |

2.3.2 Teachers use ICT enabled tools including online resources for effective teaching and learning process.

Response:

All lecture rooms are equipped with computer system, internet connection and multi-media projection facilities. Faculty in its delivery of lectures liberally uses these facilities to provide audio-visual contents. Faculty also uses courses from NPTEL, open course-wares available from other universities like MIT, Stanford, CMU, Harvard etc. as the e-resources for enrichment of learning of students. The Learning Resource Centre of the Institute has rich collection of e-resources available online. These e-resources include books, case studies, reports, journals, etc. Lecture PPTs are made available in a study material folder on the institute's server which is integrated with class rooms for teaching and also theses can be accessed through LAN by students within the campus including hostels. This makes all reading material and lectures available on 24X7.

The Institute has an e-learning centre under NMEICT project of IIT Bombay. Teachers are encouraged to participate in their programmes and use them for curriculum enrichment and course delivery.

Jaypee Institute of Information Technology (JIIT) Noida is a Nodal centre of Virtual labs. All virtual labs can be used remotely and provide an easy and effective way of learning. Most of the experiments are simulation and animation based and thus provides a good insight of the concepts. Web address of Virtual lab is: <https://www.vlab.co.in/>. Virtual lab (VLab) is an Initiative of Ministry of Education, India under the National Mission on Education through ICT. The objectives of Vlab are as follow;

- To provide remote-access to Labs in various disciplines of Science and Engineering. These Virtual Labs would cater to students at the undergraduate level, post graduate level as well as to research scholars.
- To enthuse students to conduct experiments by arousing their curiosity. This would help them in learning basic and advanced concepts through remote experimentation.
- To provide a complete Learning Management System around the Virtual Labs where the students can avail the various tools for learning, including additional web-resources, video-lectures,

animated demonstrations and self-evaluation.

- To share costly equipment and resources, which are otherwise available to limited number of users due to constraints, on time and geographical distances.
- Vlab cover the broad areas such as Computer Science & Engineering, Electronics & Communications, Biotechnology and Biomedical Engineering, Physical Sciences etc. Labs available on Vlab portal are developed by the prestigious institutes such as IIT Kharagpur, IIT Roorkee, IIT Guwahati, IIT Delhi, IIT Bombay, IIT Kanpur, IIT Madras, etc.
- Students of JIIT Noida are using Vlab from last four years and are encouraged to explore and perform as many as labs as possible, from Vlab within and beyond their defined curricula. To provide a quick reference to what is available and its depth, department wise annexure has prepared.
- During pandemic, the ICT facilities available in the class rooms were optimally utilized for course delivery by the teachers. Virtual labs were also used for conducting laboratories online during pandemic.

List of ICT enabled classrooms and geotagged photos can be accessed from https://www.jiit.ac.in/dvvnac/Criteria-4-DVVs/4.3-IT/4.3.1_ICT_Attachments/

Online resources for Teaching Learning can be accessed from <https://www.jiit.ac.in/lrcjiit/> and <http://npteljiit/>

| File Description | Document |
|--|-------------------------------|
| Upload any additional information | View Document |
| Provide link for webpage describing the " LMS/ Academic management system" | View Document |

2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)

Response: 19:1

2.3.3.1 Number of mentors

Response: 265

| File Description | Document |
|---|-------------------------------|
| Upload year wise, number of students enrolled and full time teachers on roll. | View Document |
| mentor/mentee ratio | View Document |
| Circulars pertaining to assigning mentors to mentees | View Document |

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years**Response:** 70.32

| File Description | Document |
|---|-------------------------------|
| Year wise full time teachers and sanctioned posts for 5 years | View Document |
| List of the faculty members authenticated by the Head of HEI | View Document |
| Any additional information | View Document |

2.4.2 Average percentage of full time teachers with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D’Lit. year-wise during the last five years**Response:** 71.45**2.4.2.1 Number of full time teachers with *Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt.* year wise during the last five years**

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 210 | 204 | 189 | 159 | 144 |

| File Description | Document |
|--|-------------------------------|
| List of number of full time teachers with Ph D/D M/M Ch/D N B Superspeciality/DSc/D Lit and number of full time teachers for 5 years | View Document |

2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)**Response:** 8.37**2.4.3.1 Total experience of full-time teachers**

Response: 2218

| File Description | Document |
|--|-------------------------------|
| List of Teachers including their PAN, designation, dept and experience details | View Document |

2.4.4 Average percentage of full time teachers who received awards, recognition, fellowships at State,

National, International level from Government/Govt. recognised bodies during the last five years**Response:** 1.19**2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government/Govt. recognized bodies year wise during the last five years**

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 1 | 0 | 0 | 1 | 1 |

| File Description | Document |
|--|-------------------------------|
| Institutional data in prescribed format | View Document |
| e-copies of award letters (scanned or soft copy) | View Document |
| Any additional information | View Document |

2.5 Evaluation Process and Reforms**2.5.1 Average number of days from the date of last semester-end/ year- end examination till the declaration of results year-wise during the last five years****Response:** 10.4**2.5.1.1 Number of days from the date of last semester-end/ year- end examination till the declaration of results year wise during the last five years**

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 9 | 9 | 12 | 12 | 10 |

| File Description | Document |
|---|-------------------------------|
| List of Programmes and date of last semester and date of declaration of results | View Document |
| Any additional information | View Document |

2.5.2 Average percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years**Response:** 0

2.5.2.1 Number of complaints/grievances about evaluation year wise during the last five years

| | | | | |
|---------|---------|---------|---------|---------|
| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
| 0 | 0 | 0 | 0 | 0 |

| File Description | Document |
|--|-------------------------------|
| Number of complaints and total number of students appeared year wise | View Document |

2.5.3 IT integration and reforms in the examination procedures and processes (continuous internal assessment and end-semester assessment) have brought in considerable improvement in examination management system of the institution**Response:**

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.
- 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.
- Variations in normal examination system in some subjects are permitted on the request of the teacher(s).

Question papers are prepared and printed in a specially allocated 'sanitised' room with non-networked computers to ensure confidentiality. All question papers are then handed over to the Controller of Examination (COE) in sealed covers one week before the examination. The office of COE takes care of all confidentiality and security during and after the conduct of examination.

The Institute provides full opportunity to students to seek redressal in examination related matters including evaluation of answer scripts as indicated above. In case of any query or grievance, student may first take his/her appeal to individual faculty and further appeal to the HOD/Director. The appeal may further be taken up with the concerned Dean or finally the VC, whose decision is final.

The institute has streamlined the examination system by implementing computerized system (ERP system) which takes care of all examination related activities, like scheduling of examination, invigilation duty, notification of examination schedule and invigilation duties to all concerned etc., in a time bound manner while maintaining security and confidentiality. The system has greatly helped in strictly adhering to the academic schedule and timely declaration of results.

During Covid-19 pandemic, the major examination of all programs was conducted using an online platform “Mettle” having AI assisted online proctoring facility.

| File Description | Document |
|--|-------------------------------|
| Year wise number of applications, students and revaluation cases | View Document |

2.5.4 Status of automation of Examination division along with approved Examination Manual

Response: 100% automation of entire division & implementation of Examination Management System (EMS)

| File Description | Document |
|--|-------------------------------|
| Current manual of examination automation system and Annual reports of examination including the present status of automation | View Document |
| Current Manual of examination automation system | View Document |
| Any additional information | View Document |

2.6 Student Performance and Learning Outcomes

2.6.1 The institution has stated learning outcomes (generic and programme specific)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents

Response:

JiIT has adopted Outcome-Based Education (OBE) framework as prescribed by NBA with an enhanced focus on higher-order learning and professional skills. The Graduate Attributes have already been integrated into the assessment process in all UG and PG programmes.

Various committees including Academic Council, Board of Studies (BOS), Institute Quality Assurance

Cell (IQAC), NAAC Steering Committee, and Programme Assessment Committees (PACs) have been formed, which play important roles in various phases of OBE process.

Expected learning outcomes are taken into account while designing a new course and its assessment criteria. A course description containing the Course Outcomes (COs) are drafted by the course coordinators and presented in front of PACs. A PAC comprising of the HOD as Programme Coordinator and senior faculty members as Module Coordinators do the brainstorming sessions to prepare final drafts of course descriptions for the newly introduced courses. These are then presented in consecutive BOS and Academic Council Meetings for approval.

Using the specified assessment criteria, Course Outcomes (COs), Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Programme Educational Objectives (PEOs) are evaluated in regular intervals. If the attainments are not as per the set target levels, then actions for improvements are suggested by PACs after brainstorming sessions, which are then approved by BOS and Academic Council members in consecutive meetings.

Following processes have been followed in this perspective.

1. The Vision and Mission of various Departments were devised aligned with Institute's Vision and Mission. Statements were publicized on JIIT website.
2. Programme Educational Objectives (PEOs) for each Programme (B.Tech., MBA & M.Tech) were defined, which were correlated with Department's Mission. Statements were publicized on JIIT website.
3. Graduate Attributes (GAs) and Programme Outcomes (POs) were taken as prescribed by NBA. Statements were publicized on JIIT website.
4. The following process was adopted to formulate the Vision, Mission, PEO and PSO statements:
 1. PACs and NAAC Steering Committee Meetings were conducted for rigorous discussion and finalization of Vision and Mission for all the Departments.
 2. Feedbacks were taken from various Stakeholders.
 3. Consents were taken from members of Board of Studies (BOS) and Academic Counsel in the respective meetings.
5. Course Outcomes (COs) are defined for each Course of a Programme. These are the expected outcomes from a student after the completion of the Course.
6. COs of all the Courses in a Programme are mapped to POs and PSOs to find out whether the Curriculum is sufficiently helping us to impart the knowledge and skills a graduate is expected to acquire throughout the Programme.
7. Feedbacks are taken from Students, Alumni and Industry (Employers) to assess the attainments of learning outcomes.

Links of Course Descriptions with COs:

B Tech Programs:

- <https://www.jiit.ac.in/btech-computer-science>
- <https://www.jiit.ac.in/btech-information-technology>
- <https://www.jiit.ac.in/btech-electronics>
- <https://www.jiit.ac.in/curriculum-structure-%E2%80%93-4-years-btech-biotech-program>

Integrated M Tech Programs:

- <https://www.jiit.ac.in/integrated-mtech-computer-science-engineering>
- <https://www.jiit.ac.in/ece>
- <https://www.jiit.ac.in/btech-mtech-dual-degree-biotechnology>

M Tech Programs:

- <https://www.jiit.ac.in/mtech-cse>
- <https://www.jiit.ac.in/mtech-data-analytics>
- <https://www.jiit.ac.in/postgraduate-programme-ece>
- <https://www.jiit.ac.in/mtech-ece-met>
- <https://www.jiit.ac.in/mtech-in-microelectronics>
- <https://www.jiit.ac.in/mtech-biotechnology>

M. Sc. Programs:

- <https://www.jiit.ac.in/msc-microbiology>
- <https://www.jiit.ac.in/msc-physics>
- <https://www.jiit.ac.in/msc-mathematics>

| File Description | Document |
|--|-------------------------------|
| Upload COs for all courses (exemplars from Glossary) | View Document |
| Paste link for Additional Information | View Document |

2.6.2 Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution**Response:**

Attainments of Course Outcomes (COs), Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Programme Educational Objectives (PEOs) stated are evaluated regularly using various assessment tools.

1. Course Outcomes of each course are continuously assessed using direct and indirect assessment methods throughout the semester. The tools used are as follows:

a. Direct Assessment

- The direct assessments of COs for Theory Courses are done by Test-1, Test-2, End-Semester Examination, Assignments/Class tests/Quizzes, etc.
- Direct assessment of COs for Laboratory Courses is done by continuous evaluation process which includes day-to-day evaluation of students on the experiments conducted by them in the Laboratory

as well as through tests, Mini-Projects etc.

b. Indirect Assessment

- Course Exit Survey (Student Satisfaction Survey)- Feedback is collected from students on a structured form at the end of each semester

Then at the end of each semester, the final CO attainments are computed by combining the attainments giving 80% weight-age to direct attainments and 20% to indirect attainments.

2. Programme Outcomes and Programme Specific Outcomes of each Programme are assessed using direct and indirect assessment methods. The tools used are as follows:

a. Direct Assessment

- Course Outcomes are mapped to Programme Outcomes and Programme Specific Outcomes (CO-PO-PSO Mappings)

b. Indirect Assessment

- Programme Exit Survey- Feedback is collected from students on a structured form at the end of Programme
- Employer Survey- Feedback is collected from Employer on a structured form
- Alumni Survey- Feedback is collected from Alumni on a structured form
- Placement, Higher Education and Entrepreneurship statistics is collected and used for assessment of POs and PSOs
- Performance statistics in Co-curricular and Extra-curricular activities is collected and used for assessment of POs and PSOs

Then at the end of each academic year, the final PO and PSO attainments are computed by combining the attainments giving 80% weight-age to direct attainments and 20% to indirect attainments.

3. At the end of each academic year, Programme Educational Objectives of each Programme are assessed using direct and indirect methods. The tools used are as follows:

a. Direct Assessment

- Programme Outcomes and Programme Specific Outcomes mapped to PEOs (PO-PSO to PEO Mappings)

b. Indirect Assessment

- Employer Survey- Feedback is collected from Employer on a structured form
- Alumni Survey- Feedback is collected from Alumni on a structured form

The following process is adopted for Continuous improvements based on the assessment of learning outcomes:

1. Course Coordinators provide their suggestions on content delivery and course contents in order to improve the COs, POs, and PSOs attainments in a closing report prepared at the end of each semester.
2. Institutional Quality Assessment Committee (IQAC) conducts regular audits to assure that the assessments of learning outcome attainments are done appropriately and follow up actions are taken for improvements.
3. Course content updation, if required, is presented by PAC in BOS meeting for approval.
4. The proceedings of BOS are presented in Academic Counsel meeting for approval.

| File Description | Document |
|---------------------------------------|-------------------------------|
| Upload any additional information | View Document |
| Paste link for Additional Information | View Document |

2.6.3 Pass Percentage of students(Data for the latest completed academic year)

Response: 94.63

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 1164

2.6.3.2 Total number of final year students who appeared for the examination conducted by the Institution.

Response: 1230

| File Description | Document |
|--|-------------------------------|
| Upload list of Programmes and number of students passed and appeared in the final year examination | View Document |
| Upload any additional information | View Document |
| Paste link for the annual report | View Document |

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response:

| File Description | Document |
|--|-------------------------------|
| Upload database of all currently enrolled students | View Document |

Criterion 3 - Research, Innovations and Extension

3.1 Promotion of Research and Facilities

3.1.1 The institution's Research facilities are frequently updated and there is a well defined policy for promotion of research which is uploaded on the institutional website and implemented

Response:

JIT is engaged in promoting research and development activities by formulating appropriate policy for research promotion. The research facilities are progressively developed with time and a conducive environment has been established to encourage research activities. The basic infrastructural facilities for experimental and theoretical research are supported by state-of-the-art developed labs having modern high-tech equipment along with software sponsored by JIT / Gov./Non-Government funding agencies.

To promote PhD program, JIT has been providing research fellowships to the research scholars of JIT. There is a provision to have AMC (annual maintenance contract) of experimental facilities/equipment and renewal of the software licenses.

| File Description | Document |
|---|-------------------------------|
| Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption | View Document |
| Any additional information | View Document |
| URL of Policy document on promotion of research uploaded on website | View Document |

3.1.2 The institution provides seed money to its teachers for research (average per year, INR in Lakhs)

Response: 1.22

3.1.2.1 The amount of seed money provided by institution to its faculty year-wise during the last five years (INR in lakhs).

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 6.10 | 0 | 0 | 0 | 0.0 |

| File Description | Document |
|---|-------------------------------|
| Minutes of the relevant bodies of the University | View Document |
| Institutional data in prescribed format | View Document |
| Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized | View Document |
| Any additional information | View Document |

3.1.3 Percentage of teachers receiving national / international fellowship / financial support by various agencies for advanced studies / research during the last five years.

Response: 0.24

3.1.3.1 The number of teachers who received national / international fellowship / financial support by various agencies for advanced studies / research year-wise during the last five years.

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 0 | 0 | 1 | 1 | 1 |

| File Description | Document |
|---|-------------------------------|
| Institutional data in prescribed format | View Document |
| e-copies of the award letters of the teachers | View Document |

3.1.4 Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the last five years.

Response: 59

3.1.4.1 The Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows enrolled in the institution year-wise during the last five years.

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 12 | 12 | 7 | 16 | 12 |

| File Description | Document |
|---|-------------------------------|
| Institutional data in prescribed format | View Document |
| Any additional information | View Document |

3.1.5 Institution has the following facilities to support research

1. Central Instrumentation Centre
2. Animal House/Green House
3. Museum
4. Media laboratory/Studios
5. Business Lab
6. Research/Statistical Databases
7. Mootcourt
8. Theatre
9. Art Gallery
10. Any other facility to support research

Response: A. 4 or more of the above

| File Description | Document |
|--|-------------------------------|
| Upload the list of facilities provided by the university and their year of establishment | View Document |
| Upload any additional information | View Document |
| Paste link of videos and geotagged photographs | View Document |

3.1.6 Percentage of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies (Data for the latest completed academic year)

Response: 0

3.1.6.1 The Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other similar recognitions by national and international agencies.

| File Description | Document |
|---|-------------------------------|
| Institutional data in prescribed format | View Document |

3.2 Resource Mobilization for Research

3.2.1 Extramural funding for Research (Grants sponsored by the non-government sources such as industry, corporate houses, international bodies for research projects) endowments, Chairs in the University during the last five years (INR in Lakhs).

Response: 48.52

3.2.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years (INR in Lakhs).

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 8.62 | 0 | 38.65 | 0 | 1.25 |

| File Description | Document |
|---|-------------------------------|
| Institutional data in prescribed format | View Document |
| e-copies of the grant award letters for research projects sponsored by non-government | View Document |
| Any additional information | View Document |

3.2.2 Grants for research projects sponsored by the government agencies during the last five years (INR in Lakhs).

Response: 663.3

3.2.2.1 Total Grants for research projects sponsored by the government agencies year-wise during the last five years (INR in Lakhs).

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 240.6 | 124.32 | 119.92 | 120.84 | 57.62 |

| File Description | Document |
|---|-------------------------------|
| Institutional data in prescribed format | View Document |
| e-copies of the grant award letters for research projects sponsored by government | View Document |
| Any additional information | View Document |

3.2.3 Number of research projects per teacher funded by government and non-government agencies during the last five years

Response: 0.46

3.2.3.1 Number of research projects funded by government and non-government agencies during the last five years.

Response: 23

3.2.3.2 Number of full time teachers worked in the institution year-wise during the last five years..

Response: 252

| File Description | Document |
|---|-------------------------------|
| Supporting document from Funding Agency | View Document |
| Institutional data in prescribed format | View Document |
| Any additional information | View Document |
| Paste Link for the funding agency website | View Document |

3.3 Innovation Ecosystem

3.3.1 Institution has created an eco system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge.

Response:

JiIT is committed to encourage innovation and research since its inception. JiIT organizes Cyber Srishti- in-house technical fest which includes activities like Open Source Developers Conference (OSD Conf), Entrepreneur's Speak, Students Project Exhibition, Embedded Programming Competition, Execute- A Programming Competition, and Web Designing Competition. In these activities, experts from academia and industry closely interact with the students both in groups and individually.

(<https://www.jiit.ac.in/search/node/Cyber%20Srishti>). Industry experts are invited to interact with students and suggest industry's requirements. JiIT has witnessed a dramatic increase in the number of students who have pursued and achieved success in Google Summer of Code (GSoC) in last five years (<https://www.jiit.ac.in/search/node/GSoC>).

Departments of ECE and PMSE have jointly started a program where collaborative research in the field of micro-electro-mechanical systems (MEMS) and smart sensors is conducted (<https://www.jiit.ac.in/search/node/MEMS>). Recently, all the departments have developed innovation labs to carry out high end research. Biotechnology department has a technical hub called "RIBOSE", which regularly conducts multi-disciplinary technical events to share novel ideas by students on proposed themes, showcase prototype and product design for solving real life problems (<https://www.jiit.ac.in/search/node/RIBOSE>).

The Incubation Centre named as "Jaypee Center for Entrepreneurship Development (JCED)" established in the year 2017 assists pilot experimentation, implementation, and testing of novel ideas for possible IT

and IT-enabled products and services (<https://www.jiit.ac.in/jced>). As a result, in the last five years, more than 60 JIIT students have launched their own start-ups (<https://www.jiit.ac.in/search/node/start-ups>).

JIIIT has constituted “IPR cell” in 2019 to provide academic environment and safeguard the IPR of students and faculty involved in formulating the innovation at the JIIT with legal support and standard IPR policies (<https://www.jiit.ac.in/search/node/IPR%20cell>). IPR Cell also helps in licensing of the innovations developed at JIIT to outreach industrial partners. Currently, there are 6 published, 30 filed and 1 granted patents.

JIIT has established an “Institution Innovation Council (IIC)” to foster the culture of Innovation and to showcasing Innovation and Entrepreneurial achievements. IIC is a proud participant of MoE Innovation Cell (MIC), GOI and is engaged in conducting self-driven activities as well as MIC defined activities in order to create ecosystem of innovation and incubation/startup. IIC at JIIT has been awarded Five Star Rating in Northern Region by MIC in IIC 2.0.

JIIT has established “Jaypee Innovation and Incubation Center (JIIC)” in Feb 2021 to catalyze a step change in the JIIT’s innovation capacity and impact (<https://www.jiit.ac.in/search/node/JIIC>). The aim of the incubation center is to develop innovation ecosystem in JIIT, engross faculty, research scholars, students and non-teaching staff in IPR, Innovation and Entrepreneurship related activities. JIIT provides incubation support to the budding entrepreneurs for their innovative ideas and establishment of technology-based start-ups. JIIT is also committed to implement “Jaypee Innovation and Startup Policy, 2021” considering the guiding framework of the ‘National Innovation and Start-up Policy’ launched by MoE, GOI in 2019 (<https://www.jiit.ac.in/search/node/%28JIIC>). JIIT faculty have been trained for foundation and advanced level of “Innovation Ambassador Program”, 2021 of MHRD (<https://www.jiit.ac.in/search/node/Innovation%20Ambassador%20Program>).

| File Description | Document |
|---------------------------------------|-------------------------------|
| Upload any additional information | View Document |
| Paste link for additional information | View Document |

3.3.2 Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development during the last five years.

Response: 269

3.3.2.1 Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development year-wise during the last five years.

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 102 | 85 | 27 | 41 | 14 |

| File Description | Document |
|---|-------------------------------|
| Report of the event | View Document |
| Institutional data in prescribed format | View Document |
| Any additional information | View Document |

3.3.3 Number of awards / recognitions received for research/innovations by the institution / teachers / research scholars / students during the last five years.

Response: 267

3.3.3.1 Total number of awards / recognitions received for *research* / innovations won by institution / teachers / research scholars / students year-wise during the last five years.

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 87 | 59 | 53 | 42 | 26 |

| File Description | Document |
|---|-------------------------------|
| Institutional data in prescribed format | View Document |
| e- copies of award letters | View Document |
| Any additional information | View Document |

3.4 Research Publications and Awards

3.4.1 The Institution ensures implementation of its stated Code of Ethics for research through the following: 1. Inclusion of research ethics in the research methodology course work 2. Presence of Ethics committee 3. Plagiarism check through software 4. Research Advisory Committee

Response: A. All of the above

| File Description | Document |
|--|-------------------------------|
| Code of ethics for Research document, Research Advisory committee and ethics committee constitution and list of members on these committees, software used for Plagiarism check, link to Website | View Document |
| Any additional information | View Document |

3.4.2 The institution provides incentives to teachers who receive state, national and international

recognitions/awards 1. Commendation and monetary incentive at a University function
 2. Commendation and medal at a University function 3. Certificate of honor 4. Announcement in the Newsletter / website

Response: B.. 3 of the above

| File Description | Document |
|---|-------------------------------|
| Institutional data in prescribed format | View Document |
| e- copies of the letters of awards | View Document |
| Any additional information | View Document |

3.4.3 Number of Patents published / awarded during the last five years.

Response: 21

3.4.3.1 Total number of Patents published / awarded year-wise during the last five years.

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 10 | 7 | 3 | 1 | 0 |

| File Description | Document |
|---|-------------------------------|
| Institutional data in prescribed format | View Document |
| Any additional information | View Document |

3.4.4 Number of Ph.D's awarded per teacher during the last five years.

Response: 0.7

3.4.4.1 How many Ph.D's are awarded within last five years.

Response: 149

3.4.4.2 Number of teachers recognized as guides during the last five years

Response: 213

| File Description | Document |
|--|-------------------------------|
| Institutional data in prescribed format | View Document |
| Any additional information | View Document |
| URL to the research page on HEI web site | View Document |

3.4.5 Number of research papers per teachers in the Journals notified on UGC website during the last five years**Response:** 4.23**3.4.5.1 Number of research papers in the Journals notified on UGC website during the last five years.**

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 270 | 211 | 216 | 193 | 177 |

| File Description | Document |
|---|-------------------------------|
| Institutional data in prescribed format | View Document |
| Any additional information | View Document |

3.4.6 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years**Response:** 3.86**3.4.6.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years**

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 178 | 205 | 222 | 190 | 179 |

| File Description | Document |
|---|-------------------------------|
| Institutional data in prescribed format | View Document |
| Any additional information | View Document |

3.4.7 E-content is developed by teachers :

1. For e-PG-Pathshala
2. For CEC (Under Graduate)
3. For SWAYAM
4. For other MOOCs platform
5. Any other Government Initiatives

6.For Institutional LMS**Response:** E. None of the above

| File Description | Document |
|---|-------------------------------|
| Institutional data in prescribed format | View Document |

3.4.8 Bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed**Response:**

| File Description | Document |
|--|-------------------------------|
| Bibliometrics of the publications during the last five years | View Document |
| Any additional information | View Document |

3.4.9 Bibliometrics of the publications during the last five years based on Scopus/ Web of Science - h-index of the Institution**Response:**

| File Description | Document |
|--|-------------------------------|
| Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution | View Document |
| Any additional information | View Document |

3.5 Consultancy**3.5.1 Institution has a policy on consultancy including revenue sharing between the institution and the individual and encourages its faculty to undertake consultancy.****Response:**

The Institute believes that the involvement of faculty members in research activity plays an important role in sharpening their teaching skills and profession development. As a result, research and consultancy are given a significant weight-age in faculty member's appraisal process. In order to broaden the experience base of its faculty members, the Institute as a policy encourages its faculty members to undertake sponsored research and consultancy works for outside agencies. In doing that, it is expected that faculty member will develop professional skills about industrial problems and their solutions. It will also help them keep updated in their areas of research work and teaching. There is a provision of special casual leave of six days in an academic year to handle the consultancy work. In a consultancy Project, there is a provision of sharing consultancy amount (after deducting the expenditures towards travel and other project expenditures) among PI, investigators and regular staff involved with the approval of the Vice-Chancellor

on the recommendations of PI. A part of the consultancy (nearly 2%) may be used for professional development like conference, expert talks or membership of the professional bodies.

| File Description | Document |
|--|-------------------------------|
| Upload soft copy of the Consultancy Policy | View Document |
| Upload minutes of the Governing Council/ Syndicate/Board of Management related to consultancy policy | View Document |
| Upload any additional information | View Document |
| Paste URL of the consultancy policy document | View Document |

3.5.2 Revenue generated from consultancy and corporate training during the last five years (INR in Lakhs).

Response: 2.62

3.5.2.1 Total amount generated from consultancy and corporate training year-wise during the last five years (INR in lakhs).

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 0 | 0.80400 | 0.56140 | 0 | 1.25 |

| File Description | Document |
|---|-------------------------------|
| Institutional data in prescribed format | View Document |
| Audited statements of accounts indicating the revenue generated through consultancy | View Document |
| Any additional information | View Document |

3.6 Extension Activities

3.6.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years.

Response:

JiIT was established as a not-for-profit institution for providing quality education under the flagship of Jaypee Sewa Sansthan of Jaypee Group. As a result, serving the community is imbibed in the ethos of the institute and is practised humbly through curriculum-integrated community services, both formally as

partners of government schemes such as National Service Scheme (NSS), Unnat Bharat Abhiyaan (UBA), and Swachh Bharat Abhiyaan and informally as institution-led extension activities rendered by various departments, hubs, individuals etc. Our extension activities are majorly clubbed with NSS of JIIT which majorly serves under the following five areas:

- Samvedna (Compassion for humans) (<https://www.jiit.ac.in/search/node/Samvedna>)

- Lok Chetna (Awareness campaigns)

(<https://www.jiit.ac.in/search/node/Lok%20Chetna%20>)

- Gyaan-Vigyaan (Quality education) (<https://www.jiit.ac.in/nss>)

- Satat Vikaas (Continuous, sustainable and holistic development)

(<https://www.jiit.ac.in/nss>)

- Prakriti aur Swasthya (Environment, health and hygiene)

(<https://www.jiit.ac.in/search/node/Prakriti%20aur%20Swasthya%20>)

The above activities have made positive impacts on the society, especially in our adopted villages, partner NGOs and also beyond, in terms of sensitizing people about gender equality, diversity and inclusivity, environment preservation, cleanliness and hygiene, rights and responsibilities of citizens, spreading quality education, and generating awareness about contemporary social issues.

Five years back, majority of extension activities were happening through different student hubs such as Our Earth, Adwitiya, Thespian Circle, Ribose, Prayag centre etc. We used to organize blood donation camps and donations for relief funds, render computer training to nearby village students, and tutor students of government schools particularly in the field of Math, Science and Computers. However, in the last five years, efforts have been made to structure the extension activities and synchronize them under government schemes. The institute took permission from States and Central Government and initiated NSS, UBA and Swachh Bharat Abhiyaan etc. The institute has adopted 5 villages and partnered with more than 15 NGOs by signing MOUs to extend our services to the community. Apart from these, JIIT has included extension and community service in the curriculum (a part of students' evaluation is based on it). The institute also encourages the UG, PG and PhD students to do socially-relevant technical projects and research that have direct or indirect impact on the underprivileged strata of the society.

The extension activities in terms of impact and sensitizing the students to social issues and holistic development during the last five years are as follow:

1. Waste Management: Creating awareness; creating smart dustbins
(<https://www.jiit.ac.in/search/node/%28i%29%09Waste%20Management>)
2. Quality Education: Supplementing government school education, providing beyond classroom

tutoring and coaching, partnering with NGOs and government schools of Asgarpur, instilling scientific temperament (<https://www.jiit.ac.in/search/node/NGO>)

3. Facilitating in Government Schemes: Creating awareness by visiting door-to-door and through street plays, providing technical support for sarv shiksha abhiyaan, enrolling in Aadhar, opening bank accounts, etc, awareness lecture by NDRF.
4. Donation Drives: Organizing blood donation camps, clothes donation, food donation, adding to relief funds (<https://www.jiit.ac.in/search/node/Organizing%20blood%20donation%20camps>)
5. Cleanliness drives: Interning in Swachh Bharat Abhiyaan, organizing cleaning drives, organizing plantation drives etc.

Holistic development through performing and fine arts, generating awareness about Gandhian philosophy, imbibing values through celebration and storytelling (<https://www.jiit.ac.in/search/node/JYC>)

3.6.2 Number of awards received by the Institution, its teachers and students from Government /Government recognised bodies in recognition of the extension activities carried out during the last five years

Response: 24

3.6.2.1 Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 4 | 15 | 5 | 0 | 0 |

| File Description | Document |
|---|-------------------------------|
| Institutional data in prescribed format | View Document |
| e-copy of the award letters | View Document |
| Any additional information | View Document |

3.6.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years

Response: 330

3.6.3.1 Number of extension and outreach programs conducted by the institution those through NSS/NCC, Government and Government recognised bodies during the last five years

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 95 | 140 | 79 | 09 | 07 |

| File Description | Document |
|---|-------------------------------|
| Reports of the event organized | View Document |
| Institutional data in prescribed format | View Document |
| Any additional information | View Document |

3.6.4 Average percentage of students participating in extension activities listed at 3.6.3 above during the last five years

Response: 62.75

3.6.4.1 Total number of students participating in extension activities listed at 3.6.3 above year-wise during the last five years.

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 4433 | 7254 | 3100 | 283 | 529 |

| File Description | Document |
|---|-------------------------------|
| Report of the event | View Document |
| Institutional data in prescribed format | View Document |

3.7 Collaboration

3.7.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year

Response: 150

3.7.1.1 Total number of Collaborative activities with other institutions / research establishment / industry for research and academic development of faculty and students year-wise during the last five years.

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 191 | 164 | 119 | 109 | 167 |

| File Description | Document |
|---|-------------------------------|
| Institutional data in prescribed format | View Document |
| Copies of collaboration | View Document |

3.7.2 Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

Response: 6

3.7.2.1 Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research year-wise during the last five years.

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 2 | 1 | 0 | 1 | 2 |

| File Description | Document |
|---|-------------------------------|
| Institutional data in prescribed format | View Document |
| e-copies of the MoUs with institution/ industry | View Document |
| Any additional information | View Document |

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc.

Response:

"Buildings, classrooms, laboratories, and equipment- education infrastructure are crucial elements of learning environment in a university. There is strong evidence that high-quality infrastructure facilitates better instruction, improves students' outcome, and reduces dropout rates, among other benefits."

JIT has been developed as a modern world class campus with intellectually vibrant ambience in a serene and lush green environment. The sprawling campus has an area of 15.65 acres at Sector 62 and 6.42 acres at Sector 128. The total built-up area of the institute is 141610 Sqm. The campuses are having state-of-the-art dedicated buildings to cater the academic, administrative and supporting needs as prescribed by statutory bodies' viz. UGC & AICTE. Both the campuses are well equipped with centralized air conditioning system and 24x7 power supply with 100% power backup.

Total available instructional area in the institute is 23385 Sqm against 13850 Sqm required as per AICTE norms. The instructional areas constitute Lecture theatres, Classrooms, Tutorial rooms, Seminar Halls & Laboratories. The instructional areas are spacious, airy and well ventilated. The furniture's in the instructional areas are customized keeping in view the comfort and necessities of the students. Modern teaching and learning methodologies are adopted for problem based learning through Interactive Panels, LCD/DLP projector, motorized screens, projection quality magnetic white boards, Power Point Presentation(PPT), Public Address System, Lecture Capturing/ Recording System, Studio, etc. to facilitate 100% ICT enabled teaching. The institute has fully networked campus on optical fiber. All the instructional areas have internet access for consultation of resources available on intranet as well as on internet during teaching. Campus has Wi-Fi network also at selected locations to facilitate internet connectivity.

All the laboratories are well furnished and equipped with state-of-the-art equipments/ facilities for carrying out curricular labs and research activities. The laboratories are also equipped with all necessary safety infrastructures.

The Library, also known as Learning Resource Centre (LRC), at JIT Noida is an excellent repository of learning resources. Spread over 3909 Sqm area at two different locations, it can accommodate about 700 users at a time. It has more than 80 computer nodes with high speed Internet & Intranet connectivity, discussion rooms, consultation rooms etc. The LRC has currently approx. 80588 print text books as well as reference books, Ph.D thesis, Project reports, CD's/ DVD's of books etc.

The available physical infrastructure is optimally utilized beyond regular college hours, to conduct certificate courses, co-curricular activities/ extra - curricular activities, Campus Recruitment / Training and Placement, meetings, seminars, conferences etc. Faculty members are provided with well-furnished separate cabins, computer systems with internet access, for effective teaching-learning and regular interaction with the students for counseling and guidance. Auditorium and Multipurpose Halls equipped

with state of art facilities take care of mass gathering addressing and other academic – non academic functions. The institute has separate hostel facilities for boys and girls. All the hostel rooms are provided with LAN/ Wi-Fi connectivity with 24 hours internet through the main server of the academic block.

| File Description | Document |
|---------------------------------------|-------------------------------|
| Upload any additional information | View Document |
| Paste link for additional information | View Document |

4.1.2 The institution has adequate facilities for cultural activities, yoga, games and sports (indoor & outdoor); (gymnasium, yoga centre, auditorium, etc.,)

Response:

The University has adequate Sports, Games (*indoor, outdoor*) and *other* facilities for the students. The indoor games facilities include Squash, Billiards, Pool Table, Table Tennis, Chess, Carom and Badminton. The outdoor facilities include playgrounds for sports like Volley Ball, Tennis, Basket Ball, Foot Ball & Cricket field etc. The University provides ample opportunities for the students to take part in all indoor and outdoor sports activities. There are separate Gymnasium and swimming pool for Boys (2 nos.) & Girls (1 no.). An area of approx. 10000 Sqft is used to develop four nos. of Gym installed with modern equipments and machines, centrally air conditioned with synthetic/ rubber flooring at both the campuses.

YOGA & Cultural Activities

The University has one dedicated Auditorium, two Multipurpose halls and two Open Air Theaters spread out in both the campuses. Built to international standards, the auditorium is centrally air conditioned with a seating capacity of 1800 people, and a viewing capacity of approx. 2000 people, is extensively used by the students for extra-curricular activities and for hosting functions of the university.

Centrally air conditioned Multipurpose halls have the capacity of accommodating 500 people. Apart from organizing extra-curricular activities & Yoga, multipurpose hall also facilitate indoor courts of badminton and table tennis at Sec. 128 campus.

The open air theatres (OAT) are meant for organizing Cultural Programs, Youth Festivals, Yoga and other programs in which group gathering is required. The OAT at Sec. 62 campus has the capacity to accommodate around 2000 people while the OAT at Sec. 128 campus has the capacity to accommodate about 500 people comfortably at a time.

JiIT Youth Club (JYC)- a sole student body of the institute that believes in furthering the holistic development of the youth and strives to provide a nurturing climate, a trusting environment, and a soil of celebrations. With events, fests, parties, and treks the club aspires to maintain high levels of enthusiasm and team integration. Be it the colors of cultural club, or the parley of the literary hub, be it the mechanics of the robotics or expertise of the technical club, JYC offers it all.

IMPRESSIONS the annual techno-cultural-managerial festival of JIIT is a pulsating festival with an array of events, allowing the students a chance to exhibit and participate in technical and academic pursuits of programming, robotics, B-plan competitions, panel discussions, talk shows and many more such creative challenges. On the other hand, it also provides ample opportunities to the young students of today to experience and live their passion doing theme walks, fashions shows and at the same time express their talent and versatility through choreography and street plays.

CONVERGE, the annual inter-collegiate festival organized by the students is composed of almost 50 events in various categories namely cultural, literary, sports and technical. Converge holds the power to cultivate knowledge, imbibe culture, engrave team spirit and inculcate the feeling of rejoicing in unison.

| File Description | Document |
|-----------------------------------|-------------------------------|
| Upload any additional information | View Document |
| Geotagged pictures | View Document |

4.1.3 Availability of general campus facilities and overall ambience

Response:

JIIT has adequate general campus facilities for students, faculty and staff. The lush green residential campus of the institute both at Sector 62 and Sector-128 provide excellent ambience for living. Institute has sufficient infrastructure to meet the residential requirement of faculty/ students. There are fully furnished, centrally air conditioned boys and girls hostels with a total residential capacity of approx. 2547 students (Boys-1633, Girls-914) on the campus. Also there are 32 residential flats for teaching & non teaching staff and well furnished accommodation for Pro-Chancellor & Vice Chancellor on the campus. Services of well equipped modern technology laundry are provided within the campus for all residents. There are also 84 bed dormitories for security and services staff inside the campus.

The University mess (03 nos.) and two cafeterias are the popular happening place for students and can accommodate up to 1400 persons at a time. Three meals in a day are served in the mess and cafeteria provides variety of eatables at moderate prices. Both the mess and the cafeteria are run by the university to maintain high food standards. Bakery items are prepared in the In-house bakery.

JIIT has a basic health care unit (dispensary) on the campus for primary healthcare of the students, faculty and staff. The facilities in the healthcare unit include both male & female doctors who are stationed inside the campus and are available 24 x 7. Separate wards for boys and girls and an isolation ward are available along with first aid facilities. Basic medicines and first aid are provided free of cost to students, faculty and staff members. There is a dedicated ambulance available on the campus 24 x 7 for emergency.

To facilitate ease in movement of vehicles, apart from surface parking, additional underground parking facilities are created in both the campuses for students and staff. For regulating entry, parking stickers are issued to the bonafide users.

The infrastructures of both the campuses are well designed to accommodate centrally controlled &

operated air conditioning, hot water generation & Reverse Osmosis water treatment plant. The mess facilities, steam & hot water boilers run on PNG Natural gas. Solar heaters are installed for hot water in the hostels in addition to geysers.

For vigilance and security, CCTV cameras have been installed at strategic locations throughout the campus.

The campus is Wi-Fi enabled which can be accessed by students, faculty and staff members in the Learning resource centre, residential areas and sports complex. Users are provided a secure access with a login ID and password for using Wi-Fi facility. The campus has an in-campus ATM facility to extend services to students and staff members.

The institute has also a photocopier outlet to provide photocopy, printing, compiling and binding facilities. The outlet opens on all working days during institute working hours. Photo copier and printing facilities are also available in offices and for faculty. Apart from fire hydrant line, sprinklers, pumps, generator and fire tender are also stationed in the institute premises.

| File Description | Document |
|-----------------------------------|-------------------------------|
| Upload any additional information | View Document |

4.1.4 Average percentage of expenditure for infrastructure augmentation excluding salary during the last five years (INR in Lakhs)

Response: 59.14

4.1.4.1 Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 330 | 1024 | 800 | 402 | 9840 |

| File Description | Document |
|---|-------------------------------|
| Upload audited utilization statements | View Document |
| Institutional data in prescribed format | View Document |

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS) and has digitisation facility

Response:

The Library known as Learning Resource Centre (LRC) at IIIT Noida is an excellent repository of learning resources. It can accommodate about 700 users at a time. It has more than 80 computer nodes with high speed Internet & Intranet connectivity. The LRC has currently Approx. 80588 print text books as well as reference books, Ph.D thesis, Project reports CD's/ DVD's of books etc. The LRC has a collection of peer reviewed print national and international journals , magazines and electronic resources on subject areas covered by academic curricula of the institute and other universal knowledge. LRC has also subscribed full text engineering, science and management online journals. It is also an active member of INFLIBNET, National Digital Library (NDL) in order to avail the benefits of various services. LRC at IIIT is also a member of Developing Library Network (DELNET) which provides inter-library loan services to its users. The entire library is automated using integrated Library Management System. It is fully integrated with latest barcode technology and international standard open source library management software KOHA. With the help of Library Management Software, a wide range of administrative processes and user services are managed as given below:

- Circulation i.e. Issue and Returns and sending e-mails for transactions
- Patron (Users) Database
- Acquisition module to take care of acquisition of Books, Processing, Accession Register and Online Public Access Catalogue
- Serial Control to take care of all journal subscription, vendor details etc.
- Generation of Reports and Statistics

The LRC also has Online Public Access Catalogue (OPAC) system through which users can access bibliographic details of the LRC resources from any location within the campus 24 hours a day. By OPAC, it is possible to promote the library's collections and simultaneously provide a set of services to its readers without having them to physically commute to the library.

LRC has developed Institutional Repository to facilitate intellectual output of the institute in the campus (all Ph.D. theses, dissertations, faculty research papers and project reports are uploaded into repository for smooth access of available resources). LRC has digitization facility that allows its users to scan library materials and they can take the output directly to wireless devices, USB devices, or send the scanned pages directly to an email. LRC has an anti-theft electromagnetic system installed at its main gate. LRC also has subscribed Anti-Plagiarism web tool Turnitin and Ouriginal (Urkund) for plagiarism check in order to improve the quality of research. The details of software to manage resources and services are given as below:

- Name of the ILMS software: -
 - KOHA Software Links

IIIT Sec 62

IIIT Sec 128

- Nature of automation: - Fully
- Version: - 5.022001
- Year of automation: - (2004 - 2017 through "Liberty" (Soft link Asia) & from 2017Till date "KOHA" (Open Source Software)

| File Description | Document |
|-----------------------------------|-------------------------------|
| Upload any additional information | View Document |

4.2.2 Institution has access to the following: 1. e-journals 2. e-ShodhSindhu 3. Shodhganga Membership 4. e-books 5. Databases 6. Remote access to e-resources

Response: A. Any 4 or more of the above

| File Description | Document |
|---|-------------------------------|
| Upload any additional information | View Document |
| Institutional data in prescribed format | View Document |

4.2.3 Average annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

Response: 121.05

4.2.3.1 Annual expenditure for the purchase of books and journals including e-journals year-wise during last five years (INR in Lakhs)

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 108.2 | 147.28 | 145.21 | 116.90 | 87.68 |

| File Description | Document |
|---|-------------------------------|
| Institutional data in prescribed format | View Document |
| Audited statements of accounts | View Document |
| Any additional information | View Document |

4.2.4 Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the latest completed academic year

Response: 5.86

4.2.4.1 Number of teachers and students using library per day over last one year

Response: 303

| File Description | Document |
|---|-------------------------------|
| Details of library usage by teachers and students (Library accession register, online accession details to be provided as supporting documents) | View Document |

4.3 IT Infrastructure

| <p>4.3.1 Percentage of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities. (Data for the latest completed academic year)</p> <p>Response: 100</p> | |
|---|-------------------------------|
| <p>4.3.1.1 Number of classrooms and seminar halls with ICT facilities</p> <p>Response: 89</p> | |
| File Description | Document |
| Institutional data in prescribed format | View Document |

| |
|--|
| <p>4.3.2 Institution has an IT policy, makes appropriate budgetary provision and updates its IT facilities including Wi-Fi facility</p> <p>Response:</p> <p>The institute has well defined IT policy and appropriate budgetary provisions for improvement in IT facilities. Each member of JIIT has access to desktop systems, Laptops, other devices that are connected to the campus network. The campus network is connected to the Internet via leased circuits from Internet service providers (ISPs).</p> <p>Internet access is essential for an academic campus. Academic users expect a certain level of performance and availability. On the other hand, Internet access is a limited and expensive resource, and can easily be congested by uncontrolled and arbitrary usage. In addition, there are certain legal issues that arise when connecting the private network of the institute to the public Internet. To address such issues, the institute has a well defined IT policy. As per policy, use of the Internet is both a responsibility and a privilege but not a right. All users of the Internet are therefore expected to use it in a responsible, efficient, ethical and legal manner. Failure to accept this responsibility may result in the removal of the user's access privileges to the Internet.</p> <p>Accessing, submitting, posting, publishing, forwarding, downloading, scanning or displaying materials that are defamatory, abusive, obscene, vulgar, sexually explicit, sexually suggestive, threatening, discriminatory, harassing are illegal. Sharing passwords, using others passwords and accessing other user's account is prohibited.</p> <p>The JIIT campus network and Internet access is not allowed to be used for commercial activity, personal advertisement, solicitations, or promotions. The downloading of audio and video files is to be done strictly for official purposes. Access to sites that are banned under law or that are offensive or obscene is</p> |
|--|

prohibited. The email service is to be used primarily for official purposes.

Software programs are covered by copyrights and a license is required for their use. Users must ensure that they have either a commercial or public license (as in the case of 'free' software or open source software) for any software they install on the systems that they are responsible for.

Users access the network via mobiles/ desktop/ laptop machines, etc. on the campus network. Users are responsible and accountable for the usage of the systems and Ids allocated to them. Users must take adequate measures to prevent network misuse from computer systems that they are responsible for. Reasonable care should be taken to minimize the vulnerability of systems attached to the campus network. In particular, users must apply appropriate service packs and antivirus and client security solutions in their MS Windows machines, and necessary upgrades and OS patches for other systems.

The institute has budgetary provision for IT department to upgrade/ update IT resources from time to time. In current financial year, IT department was allocated Rs. 3.25 Cr for improvement in the infrastructure and services. The department spent above Rs 4 Cr in replacing of Desktops, firewall, Printers and buying new servers.

4.3.3 Student - Computer ratio (Data for the latest completed academic year)

Response: 2:1

| File Description | Document |
|-----------------------------------|-------------------------------|
| Upload any additional information | View Document |

4.3.4 Available bandwidth of internet connection in the Institution (Leased line)

Response: A. ?1 GBPS

| File Description | Document |
|-----------------------------------|-------------------------------|
| Upload any additional information | View Document |

4.3.5 Institution has the following Facilities for e-content development

1. Media centre
2. Audio visual centre
3. Lecture Capturing System(LCS)
4. Mixing equipments and softwares for editing

Response: B. 3 of the above

| File Description | Document |
|---|-------------------------------|
| Upload any additional information | View Document |
| Institutional data in prescribed format | View Document |

4.4 Maintenance of Campus Infrastructure

4.4.1 Average percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the last five years

Response: 50.92

4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year-wise during the last five years (INR in lakhs)

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 1667 | 2331 | 2958 | 2205 | 1639 |

| File Description | Document |
|---|-------------------------------|
| Institutional data in prescribed format | View Document |
| Audited statements of accounts | View Document |

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Response:

- The University has a separate Engineering & Construction Department for overseeing the maintenance of buildings, roads, classrooms and laboratories. The department has several experienced civil and electrical engineers, and is headed by Chief Manager. It works with a group of dedicated maintenance and support staff to ensure that the buildings, equipments, sports complex and all other infrastructural facilities of the University are continually kept in good condition. Apart from routine maintenance work, E & C Department also looks after major construction, & addition-alteration of infrastructure.
- Infrastructure related complaints are attended by the maintenance staff of E & C Department. On Line Complaint Redressal System is introduced and successfully implemented to make sure that the complaints are attained effectively & efficiently.
- As a policy, faculty members, staff, lab assistants, drivers and other service personnel are given responsibility to maintain the equipments under their supervision and regular monitoring and maintenance of these academic facilities is undertaken by the respective departments that house them through dedicated AMCs and warranty. Log Books are maintained for all the machines with

respective user. Dedicated instruments have been allocated for undergraduate, post graduate and doctoral students to prevent overcrowding and a usage details are managed in the log register, associated with the instruments. The first aid boxes within the labs are regularly checked and filled with necessary medication.

- Labs maintain emergency spare stock and perform preventive action proactively. Generally, at the beginning of each semester, resources required by each lab are estimated and inventory is maintained.
- If any issue arises in any device during the session, replacement is done immediately so that students do not face any problem.
- There is structured process to get the resource or device for the lab. The steps followed are given below:

Lab staffs maintain two forms that are used for acquiring any resource. These forms are

- Indent Book for Indent Slip/ Form
- Requisition Book for Requisition Slip/ Form

Indent form is filled during the beginning of the semester to get the required stock of the resources. The form is approved by Lab coordinator, HOD and VC. The approved form is sent to the purchase department. Once the resources are acquired in the institute, the requisition form is filled & signed by HOD and VC to get it from the store. Whenever new resources are added, dead/ scrap devices are returned to the store. A dedicated waste disposal system is in place and segregated waste is disposed with all relevant precautions and under the supervision of laboratory staff.

- External equipment manufacturers are referred to when the work is beyond the capacity of maintenance technicians within the institute.
- Comprehensive AMC/ AMC is awarded to the competent agencies to take care of routine servicing & breakdown, if any, for most of the major equipments like lifts, generators, chiller plant, Air conditioners, EPBX Exchange, UPS, Water Coolers, RO Plants, Dish Washers, Kitchen Equipments etc.
- Apart from maintaining minimum stock of items related to Civil & MEP infrastructure, Engineering store is also responsible to keep an inventory of all the essential repairing/ replacing spares which helps in smooth functioning of all the engineering services and redressing of complaints.
- Facilities like CCTV, Fire fighting, Horticulture, Sports Complex, House Keeping, Water Coolers periodical cleaning and food facilities are looked after by a dedicated team of Safety Officer, technician, Chefs and Supervisors of Administrative Department. Equipment related to Kitchen, Laundry, Gymnasium and swimming pools are maintained by E & C Department.
- JIIT has Central IT Infrastructure Centre (Server Room) for IT support. The main objective of the Central IT Infrastructure centre is to provide a secured and easily accessible computational facility to all members of JIIT. Apart from keeping the IT infrastructure in best of health, the server team also attends the complaints related to both hardware & software as initiated on-line by the users. Members of JIIT family (Student, Faculty & Staff) have access to desktop systems, Laptops, other devices that are connected to the campus network. The campus network is connected to the Internet via leased circuits from Internet service providers (ISPs). In this way, email and other Internet services are made available across the campus to all the users. If a department wishes to set up its own Internet access facility, then it gets in touch with IT infrastructure team of the institute and ensures that deploying such an access facility does not jeopardize the security of the campus

network.

-
- Library facilities are provided at two different locations in both the campuses. It is well equipped with sufficient infrastructure like access control, software, computers, photocopier, book scanner, printer, WiFi , power points, library racks & furniture. The entire area is centrally air conditioned with excellent natural ventilation. Book Bank & Book scanning facilities are provided to the users. Central library facility is provided to be availed by all staff and students of the university. The facilities extended by Central Library are coordinated by Chief Librarian. The structured policies regarding rules and regulations of library usage is attached as additional information.

<http://www.jiit.ac.in/lrcjiit/lending-services>

- First Aid Center of the institute is governed by the two well experienced male & female doctors. Separate care taking rooms of male & female with two beds and basic facilities in each are provided. One isolation room and a dressing room are also provided and equipped with oxygen cylinders and first aid kits.
- Security of Institute Campus including academic and administrative buildings is done by the Third Party Security Agency, who works under the supervision of Administrative Department.

| File Description | Document |
|-----------------------------------|-------------------------------|
| Upload any additional information | View Document |

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the institution, Government and non-government agencies (NGOs) during the last five years (other than the students receiving scholarships under the government schemes for reserved categories).

Response: 4.61

5.1.1.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 300 | 253 | 239 | 131 | 238 |

| File Description | Document |
|--|-------------------------------|
| Upload self attested letter with the list of students sanctioned scholarship | View Document |
| Upload any additional information | View Document |
| Institutional data in prescribed format | View Document |
| Link for additional information | View Document |

5.1.2 Average percentage of students benefited by career counseling and guidance for competitive examinations as offered by the Institution during the last five years.

Response: 40.12

5.1.2.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 1627 | 2377 | 2309 | 2038 | 1808 |

| File Description | Document |
|---|-------------------------------|
| Institutional data in prescribed format | View Document |
| Any additional information | View Document |
| Link for additional information | View Document |

5.1.3 Following Capacity development and skills enhancement activities are organised for improving students capability 1. Soft skills 2. Language and communication skills 3. Life skills (Yoga, physical fitness, health and hygiene) 4. Awareness of trends in technology

Response: A. All of the above

| File Description | Document |
|---|-------------------------------|
| Institutional data in prescribed format | View Document |
| Any additional information | View Document |
| Link to Institutional website | View Document |
| Link for additional information | View Document |

5.1.4 The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases 1. Implementation of guidelines of statutory/regulatory bodies 2. Organisation wide awareness and undertakings on policies with zero tolerance 3. Mechanisms for submission of online/offline students' grievances 4. Timely redressal of the grievances through appropriate committees

Response: A. All of the above

| File Description | Document |
|--|-------------------------------|
| Upload any additional information | View Document |
| Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee | View Document |
| Details of student grievances including sexual harassment and ragging cases | View Document |
| Link for additional information | View Document |

5.2 Student Progression

5.2.1 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)

Response: 78.67**5.2.1.1 Number of students qualifying in state/ national/ international level examinations (eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations, etc.)) year-wise during last five years**

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 37 | 44 | 71 | 64 | 14 |

5.2.1.2 Number of students appearing in state/ national/ international level examinations (eg: IIT/JAM/ NET / SLET/ GATE/ GMAT/CAT,GRE/ TOEFL/ Civil Services/ State government examinations) year-wise during last five years

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 37 | 61 | 127 | 98 | 14 |

| File Description | Document |
|---|-------------------------------|
| Upload supporting data for the same | View Document |
| Institutional data in prescribed format | View Document |
| Any additional information | View Document |
| Link for additional information | View Document |

5.2.2 Average percentage of placement of outgoing students during the last five years**Response:** 66.42**5.2.2.1 Number of outgoing students placed year - wise during the last five years.**

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 894 | 889 | 961 | 723 | 702 |

| File Description | Document |
|---|-------------------------------|
| Self attested list of students placed | View Document |
| Institutional data in prescribed format | View Document |
| Link for additional information | View Document |

5.2.3 Percentage of student progression to higher education (previous graduating batch).

Response: 1.98

5.2.3.1 Number of outgoing student progressing to higher education.

Response: 24

| File Description | Document |
|---|-------------------------------|
| Upload supporting data for student/alumni | View Document |
| Institutional data in prescribed format | View Document |
| Any additional information | View Document |
| Link for additional information | View Document |

5.3 Student Participation and Activities

5.3.1 Number of awards / medals won by students for outstanding performance in sports / cultural activities at inter-university / state / national / international events (award for a team event should be counted as one) during the last five years.

Response: 63

5.3.1.1 Number of awards/medals won by students for outstanding performance in sports / cultural activities at inter-university / state / national / international events (award for a team event should be counted as one) year - wise during the last five years.

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 18 | 4 | 20 | 9 | 12 |

| File Description | Document |
|--|-------------------------------|
| Institutional data in prescribed format | View Document |
| e-copies of award letters and certificates | View Document |
| Link for additional information | View Document |

5.3.2 Presence of Student Council and its activities for institutional development and student welfare.

Response:

Institute has two student councils (1) Student Council Administrative (2) Student Council Academic, working since 2019. Each council has a Chairman (Dean of Students' Welfare), Associate Chairman (Associate Dean of Students Welfare) and Students of all years and all programme as members. The constitution of these committees is attached as Annexure. The constitution of the committee is renewed every year. The committees have well defined roles and responsibilities as given below:

1. To obtain feedback from students on the campus, stay in hostels, their co-curricular activities, hubs/ societies, training & placement and other administrative / technical facilities.
2. To assist the administration in better implementation of institutional development programmes and students' welfare programmes.
3. All issues brought by the members before the Chairman will be produced with action taken for recording as minutes and then approved by the Honourable Vice Chancellor.
4. To bring the issues meriting action on priority to the Chairman for immediate decision.

First meeting of Students Council was held on 29 February 2020. The minutes of the meeting is attached as Annexure. Meeting for the year 2021 shall be held as and when the students come to the campus post pandemic. In order to keep the linkages between the students and the institution open, during these difficult times, the institute has gone a step further and has established a Student Counselling Centre on 20 Mar 2021. This centre is fully functional since then.

Student Counselling Centre provides needy students, an access to the institution during pandemic. The students are being provided counselling online and offline once the campus opens. There are three types of issues on which the students seek assistance. The details are as under: -

- (a) **Technical Issues.** Only academic issues. To be addressed within the respective departments.
- (b) **Placements Issues.** For students of passing out batches to be addressed by the T & P department.
- (c) **Psychosocial Issues.** To be addressed by Dr Jyotsna Mittal, Campus Counsellor (Psychologist).

Students have been provided list of concerned faculty/ staff members to contact for assistance on the above three issues:-

| Issue Related To | Dept | Name of the Contact Person | Email Id |
|------------------|----------|-------------------------------|--------------------------------------|
| Technical | CSE & IT | Mr Mahindra Gurve | mahendra.gurve@mail.jiit.ac.in |
| Technical | ECE | Dr Hemant Kumar | hemant.kumar@mail.jiit.ac.in |
| Technical | Bio Tech | Dr Garima Mathur | garima.mathur@mail.jiit.ac.in |
| Technical | JBS | Dr Shriram Purankar | shriramanil.purankar@mail.jiit.ac.in |
| Technical | HSS | Prof Alka Sharma | alka.sharma@mail.jiit.ac.in |
| Technical | Maths | Prof Alka Tripathi | alka.tripathi@mail.jiit.ac.in |
| Technical | PMSC | Prof SC Katyal | subhash.katyal@mail.jiit.ac.in |

| | | | |
|--------------|-----|--------------------------------------|-------------------------------|
| Placements | T&P | Ms Anita Marwaha | anita.marwaha@mail.jiit.ac.in |
| Psychosocial | | Dr Jyotsna Mittal, Campus Counsellor | jomital@yahoo.com |

On Psycho-social issues, the medical counselor conducts special session with students every year in the beginning of the semester in online or offline mode as the need be. In this meeting, the counselor addresses students and explains the scope of counseling and about the confidentiality maintained by the counselor in case they consult with her. The latest meeting was held on 11 Jun 2021.

| File Description | Document |
|-----------------------------------|-------------------------------|
| Upload any additional information | View Document |
| Link for additional information | View Document |

5.3.3 Average number of sports and cultural events / competitions organised by the institution per year

Response: 79.6

5.3.3.1 Number of sports and cultural events / competitions organised by the institution year - wise during the last five years.

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 6 | 46 | 170 | 127 | 49 |

| File Description | Document |
|---|-------------------------------|
| Upload any additional information | View Document |
| Report of the event | View Document |
| Institutional data in prescribed format | View Document |
| Link for additional information | View Document |

5.4 Alumni Engagement

5.4.1 The Alumni Association / Chapters (registered and functional) contributes significantly to the development of the institution through financial and other support services.

Response:

JiIT Alumni Cell aims to facilitate communication with alumni, strengthen alumni bonds of fellowship, professional association, institute affiliation and build a stronger association that can guide and motivate JiIT students (<https://www.jiit.ac.in/alumni-contact>). JiIT Alumni cell encourages registration of every graduating student. As of 2021, registered alumni in the cell are 8427 only. Registration for the alumni cell is through a simple online process (<http://www.jiit.ac.in/alumni-registration>), where student is guided in a stepwise manner for registration.

JiIT alumni interact with faculty and students through a variety of channels. Some such alumni-student-faculty interactions are as listed below:

Guest Lectures delivered by alumni: JiIT alumni are invited on multiple occasions to give guest lectures. These lectures are most often department centric and usually conducted for the senior most batches of the respective department.

Mentoring B Tech/ M Tech/ PhD students of JiIT: JiIT facilitates the alumni to reconnect with their parent institute through optional mentoring activities. These can be rendered either as guided projects or as short term student engagements.

Partnership/ Sponsorship in Institute conferences: JiIT alumni participates in National/ International conferences conducted on campus through paper presentations and also through sponsorship.

Alumni contribution as BoS member/ Course suggestions/ Curriculum inputs: JiIT undertakes course / curriculum enhancement activities from time to time, that help students to keep pace with industry requirements. HoD's solicit targeted opinions from various experts, industry personnel and alumni in this matter. Alumni experiences serve as a testing ground to correctly identify required skill sets, knowledge gaps in the specific domains.

Alumni Interaction with newly-admitted students: Every year during the weeklong orientation of newly admitted students, a half day event is organized by the name "Alumni Speaks". The event provides stage for accomplished JiIT alumni to address the new in-coming students, motivate them by their own successful journeys after graduating from JiIT.

Alumni Meets: JiIT held its maiden Alumni Meet on 14-02-2015. The event engaged 160 Alumni from graduating batches spanned across years. The Event started with a warm welcome address by then the Hon'ble Vice Chancellor, Prof. S.C Saxena followed by spectacular cultural performances given by JiIT students. Alumni re-lived the nostalgic moments of their JiIT days, sharing stage to present their feelings and their achievements on professional front. The second Alumni Meet was organized on 17-03-2018. The event saw enthusiastic alumni in audience enthralled by mesmerizing dance, music performances, various hubs activities under JYC, stand-up comedy act and informal presentations by alumni. The Alumni Meet is now an event that is anticipated by both the alumni and the students.

Alumni Page in Institute Newsletter: Achievements of JiIT alumni are published from time to time in the Institute newsletter "Anunaad" and also in JBS newsletter. (<https://www.jiit.ac.in/institute-news-letter>)

Mock Interview Sessions conducted by Alumni: In an initiative to enhance employability skills of the graduating MBA Batch of 2020, around 15 Alumni were engaged in mock interview exercises scheduled for the senior MBA students at JBS, Noida.

JiIT has initiated the process of registering its Alumni Association.

| File Description | Document |
|---------------------------------|-------------------------------|
| Any additional information | View Document |
| Link for additional information | View Document |

5.4.2 Alumni contribution during the last five years (INR in Lakhs)

Response: D. 5 Lakhs - 20 Lakhs

| File Description | Document |
|-------------------------------------|-------------------------------|
| Link for any additional information | View Document |

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The institution has a clearly stated vision and mission which are reflected in its academic and administrative governance.

Response:

The institute has clearly stated Vision and Mission as given below:

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

Mission of the Institute focuses on the systematic and structured grooming of students to become professionals who can serve the society. Students are encouraged to imbibe good value system and are sensitized to human needs for their smooth transition from the institute to corporate and society at large.

The Institute leadership through its efforts has been successful in creating the atmosphere where excellence in all fields is recognized and encouraged.

- Institute has implemented outcome-based education (OBE) and follows continuous evaluation system in all academic programs.
- The attendance of students is regularly monitored and feedback for short attendance is conveyed to students.
- Highest CGPA holder among all B. Tech. students is awarded Chancellor's Gold Medal every year.
- Vice Chancellor's Gold Medal is awarded every year to students with highest CGPA in each Under Graduate, Post Graduate and MBA programmes.
- For extra-curricular activities, a number of cultural/technical hubs provide platform for students' active participation, expression and honing of their talent.
- 'Excellence' culture building in faculty is supported through yearly assessment of their performance, clearly defined promotion policies, funding for organizing and attending conferences, seminars, workshops to individual faculty and departments. Also, Institute regularly invites experts from academia and industry for talks, workshops, conferences, etc.
- Institute Quality Assurance Cell (IQAC) oversees the academic and administrative processes. Based on feedback and suggestions from all stakeholders it makes suggestions to improve the quality and growth of the Institute. AQAR is regularly submitted to NAAC.

All these efforts lead to creation of technical manpower which is up to date in knowledge, socially conscious and believes in excellence as objective of life.

Discovering and inculcating the leadership qualities is vital for the inclusive growth of any institution. JIIT makes special efforts in this direction. Almost every faculty member is allocated responsibility of coordinating at least one activity at department and/ or Institute level. Jaypee Youth Club (JYC) coordination, Training & Placement coordination, Hostel management, Proctorial Board, Course coordination, Laboratory coordination, Minor Project coordination, Major Project coordination, M. Tech. coordination, Time Table coordination are few examples.

These and other similar participations provide an ample opportunity and ensure systematic and sustained development of leadership and management skills by practice.

Institute has constituted Training and Placement Advisory Council with Dean (Student Welfare) as Chairman, and departmental representatives and student coordinators as members to plan and monitor placement and training related activities. Both faculty and students are assigned coordination responsibilities during placement events.

Further details may be accessed through the link:<https://www.jiit.ac.in/about-jiit>

| File Description | Document |
|---------------------------------|-------------------------------|
| Any additional information | View Document |
| Link for additional information | View Document |

6.1.2 The effective leadership is reflected in various institutional practices such as decentralization and participative management.

Response:

The Institute leadership has introduced a management structure to foster innovation and participatory development. The Institutional leadership is provided by statutory bodies, and individual position holders. These are

1. Statutory Bodies

- Board of Management (BOM)
- Academic Council (AC)
- Finance Committee (FC)
- Planning and Monitoring Board (PMB)
- Board of Studies (BOS)

All above bodies have representation of stakeholders including faculty.

2. Administrative/ Leadership Positions

- Chancellor
- Pro Chancellor
- Vice Chancellor
- Director
- Dean
- Head of Department

BOM is the highest body of the Institute for all academic, administrative and financial matters. It meets regularly to review the Institute progress in line with its vision and mission. It makes all policy decisions and gives directions for smooth functioning, development and continuous improvement. The recommendations of the AC, PMB and FC are considered by the BOM.

AC is the highest academic body of the Institute empowered to make all academic policy decisions. It also considers the recommendations of BOS regarding new programmes and for reorientation of existing programmes. AC approves rules and structures for smooth conduct of academic process.

FC considers all financial matters, prepares budget, balance sheet and gets the accounts pre-audited and audited. Its recommendations are considered for approval by BOM.

PMB plans all infrastructural and academic requirements of the Institute for the systematic growth and development. Its recommendations are sent to all academic and administrative bodies.

BOS initiates, reviews, plans all courses of programmes of respective academic departments. Its recommendations are put to AC for its consideration and approval.

Chancellor

Chancellor, an eminent educationist or a distinguished public figure, is the highest statutory position of the University providing total leadership. Chancellor nominates persons to authorities, to the extent necessary, nominates persons to represent the various interests for the furtherance of the objectives of the institution. Chancellor issues directions to various bodies and authorities of the Institute as deemed fit.

Pro-Chancellor

Pro chancellor is the highest authority of the institute, who oversees the overall functioning of the Institute.

Vice Chancellor

The Vice Chancellor is the Principal Executive Officer of the institute and exercises general supervision and control over the affairs of the institute and is mainly responsible for implementation of the decisions of all the authorities of the institute. Regular review of plan for growth and accompanying infrastructural requirements are taken by Vice Chancellor.

Deans

The Departments dealing with allied subjects and activities are grouped to be headed by a Dean. JIIT has 5

Deans: Dean A&R, Dean RID, Dean SW, Dean HSS, Dean IASP, who are assisted by the Associate Deans.

Head of the Department

Head of the Department is the leader of the Department coordinating all academic and administrative activities of the Department. He/ She is chairman of the BOS.

Regular HOD meetings with faculty, Deans, Directors and Vice Chancellor are organized to discuss the department and Institute level issues

In the overall structure, participatory decision making and accountability are emphasized. It also ensures regular meetings of statutory bodies.

Details of governance may be accessed through the link: <https://www.jiit.ac.in/boards-sub-committees-other-bodies-0>

| File Description | Document |
|---------------------------------|-------------------------------|
| Any additional information | View Document |
| Link for Additional Information | View Document |

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic plan is effectively deployed.

Response:

The Institute has adopted practice of framing five-year perspective plan and implementation of the same. The first formal perspective plan was framed in 2014 for the period 2014-19. The next five-year plan has been framed for the period 2019-24. These plans are framed keeping in view the vision and mission of the Institute.

The Strategic five year plan 2019-24 of the institute focuses on three action plans for (1) Improving quality of research; (2) Improving quality of publications and (3) Innovation. These action plans have been planned to be accomplished by (i) Creation of advanced research instrumentation centre; (ii) enhancement in Govt. sponsored research project; (iii) Promotion of institute sponsored research projects; (iv) Enhancement in enrolment of Ph.D. scholars; (v) Increase in the expenditures on the Ph.D. fellowship and (vi) Encouraging enrolment of non-Ph.D faculty in Ph.D. program; (vii) Strengthening the norms related to quality and number of publications required for submission of Ph.D. thesis; (viii) Revision of policy of faculty promotion; (ix) Increase in SCI/ SCOPUS indexed publications; (x) Creation of innovation Labs; (xi) Support to proposals from UG and PG students for pursuing their innovative ideas; (xii) Strengthening the activities of IPR and patent cell for encouraging patent filing; (xiii) Instituting reward for faculty and students for granted patents; (xiv) Creation of institution innovation council and (xv) Strengthening the activities of Jaypee Entrepreneurship development cell.

All the above activities have been successfully implemented as per the year wise plan. As an example an advance research instrumentation centre has been setup and more than 50% planned equipment and software have been procured. The important procurements to mention are microwave plasma anatomic emission spectrometer, differential scanning calorimeter and COMSOL multiphysics, etc.

A total of 245 PhD degrees have been awarded by the institute till October 2021.

The institute has shown record progress in research and innovations by publishing high-quality research papers in International and National Journals and Conferences based on average citation index in Scopus/ SCI/ SCI(E)/ Web of Science. The summary of publications of last five years is given below:

| | 2016 | 2017 | 2018 | 2019 | 2020 |
|---------------------------|------|------|------|------|------|
| Total Publications | 317 | 368 | 380 | 372 | 435 |

In addition to this, institute has prepared a policy for grant of funds for research projects and has already granted research projects to three faculty members. Institute has already filed 41 patents out of which eighteen have been published and one is granted. One faculty and her fellow collaborator have been given a sum of Rs 2 lac and 1 lac respectively for successful grant of patent as an incentive. Institute has already revised and implemented the norms related to quality and number of publication required for submission of Ph.D. thesis. The policy of faculty promotion has also been revised as per the plan and implemented. So far, a total of 41 funded projects have been successfully completed in the last 5 years.

For further details regarding our research policies and research status, one may visit the website links:

<https://www.jiit.ac.in/guidelines-research>

<https://www.jiit.ac.in/centres-research>

<https://www.jiit.ac.in/research-groups>

<https://www.jiit.ac.in/research-projects>

<https://www.jiit.ac.in/all-publications-jiit-faculty>

<https://www.jiit.ac.in/phd-programmes>

| File Description | Document |
|--|-------------------------------|
| Any additional information | View Document |
| Strategic Plan and deployment documents on the website | View Document |
| Link for Additional Information | View Document |

6.2.2 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules and procedures, etc.

Response:

The Vice Chancellor of the University is appointed by the Hon'ble Chancellor and is the Chief Administrative and Academic Officer of the Institute as per act. The institute has a clearly defined organizational hierarchy and structure to support decision-making processes. The Institute functions as per Act, Statutes, Ordinances and Regulations to provide policy framework and direction for the functioning of the Institute and for fulfilment of its objectives through various Statutory Authorities of the Institute. The Director, Dean, Registrar, Controller of Examination and Finance Controller of the Institute assist the Vice Chancellor in academic, administrative, examination and financial matters. The Vice Chancellor is also Chairperson of the BOM, AC, FC and PMB. Regular meetings are conducted to discuss and take academic decisions for development of the institute. Heads of the various Department's chair the Departmental Committee meetings and enjoy academic autonomy to develop their own curriculum, teaching schedule and conduct examinations as per institute Ordinance. The BOS is responsible for all decisions pertaining to review, revision, design, and evaluation of course curriculum etc.

The institute follows UGC regulations on minimum qualifications for appointment of teachers and staff, and measures for the maintenance of standards in higher education. All employees of the Institute are required to conduct themselves with discipline, decor and dignity both in the workplace and outside. The Institute has the following duly constituted bodies for providing support at various levels:

- Board of Management
- Academic Council
- Board of Studies
- Finance Committee
- Planning and Monitoring Board
- Institute Academic Management Committee (IAMC)
- NAAC Steering Committee
- Institute Quality Assurance Committee (IQAC)
- Proctorial Board
- Anti Ragging Committee
- Institute Administrative Committee
- Grievance Redressal Committee for employees and students
- Controller of Examination
- Website Committee
- Alumni Committee
- Standing Committee Against Sexual Harassment
- Research Publication Compilation Committee
- SC/ST Committee
- UFM Committee
- OMBUDSMAN
- Unnat Bharat Abhiyan
- Disabilities Resource Centre
- Capability Enhancement and Development Cell
- Green Initiatives & Waste Management Cell
- Institution Innovation Council

- Student Council - Administrative
- Student Council - Academics
- International Student Cell
- Moderation Committee
- Redressal of Grievances Arising due to Covid-19 Pandemic
- Covid-19 Response Committee
- Covid Care Implementation Group
- Jaypee Incubation and Innovation Center
- Student Counseling Centre
- Institute Industry Linkage Cell
- Research Advisory Committee

The roles and responsibilities of various bodies are well-defined in order to ensure role clarity and accountability. IQAC is functioning in the Institute under the leadership of Vice Chancellor as per UGC guidelines. IQAC ensures timely submission of AQAR to NAAC. Service Rules, Academic Freedom Policy, Promotion Policies, Employee Satisfaction, Welfare Schemes and Grievance Redressal Mechanism are in place. Each department has a number of students and faculty committees/Clubs for decentralized management of activities for better functioning, effective learning of students through inter-department participation. Grievance Redressal Cell exists at both departmental and Institute level to resolve grievances/complaints of faculty, staff and students.

Further details of governing bodies, IQAC functioning and policies of JIIT may be accessed through the following links:

<https://www.jiit.ac.in/boards-sub-committees-other-bodies-0>

<https://www.jiit.ac.in/IQAC>

<https://www.jiit.ac.in/policies>

| File Description | Document |
|--|-------------------------------|
| Any additional information | View Document |
| Link for Additional Information | View Document |
| Link to Organogram of the University webpage | View Document |

6.2.3 Institution Implements e-governance covering following areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

Response: A. All of the above

| File Description | Document |
|---|-------------------------------|
| Screen shots of user interfaces | View Document |
| ERP (Enterprise Resource Planning) Document | View Document |
| Details of implementation of e-governance in areas of operation, Administration etc (Data Template) | View Document |
| Any additional information | View Document |
| Link for additional information | View Document |

6.3 Faculty Empowerment Strategies

6.3.1 The institution has a performance appraisal system, promotional avenues and effective welfare measures for teaching and non-teaching staff .

Response:

JiIT has a well-structured yearly self-appraisals system for faculty and annual appraisals by controlling officers for non-teaching staff. Every employee's performance is assessed annually. Systematic evaluation of the performance of employees is done to understand the ability of a

person for his/ her further growth and development. There are different parameters to assess the performance of Teaching and Non-Teaching staff.

- Every Faculty Member is assessed for his or her performance based on the API score of self-appraisal proforma, evolved as per guidelines stipulated in UGC Regulations on Minimum Qualifications for Appointment of Teachers in Universities and Measures for the Maintenance of Standards in Higher Education.
- The self-assessment proforma filled by the Faculty Member is checked and verified by the HOD's at first level, Director/ Dean at second level and at final level Vice-chancellor's and Pro Chancellor's observations are recorded and sent back to HR for the final processing.
- Recommendations are prepared on the basis of rating and grading derived from the API score and the appraisal is granted.
- Non-Teaching staff members are assessed under following categories i.e., assessment of work output and functional competency.

JiIT has a well-defined and transparent promotion policy which emphasizes good quality research and teaching. This has impacted positively on research output, academic environment and faculty profile. Faculty pursuing Ph.D. are provided facilities for the same. On completion of Ph.D., faculty is considered for promotion. JiIT also actively promotes its R&D activities by :

- i.Support and encouragement for sponsored research projects.
- ii.Creation of specialized labs, centre of innovation, centre of excellence and research groups.
- iii.Procurement of instruments/software for high end research.
- iv.Encouragement for publications in high quality journals.
- v.Sponsorship to attend workshops/conferences.
- vi.Incentive on grant of Patents.
- vii.Support for organizing conferences, workshops, FDP's, expert lectures and interactions.

In addition to this, JIIT has a welfare mechanism in place, for teaching and non-teaching staff. Some of these are:

- Study leaves (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 (institutes dispensary and ambulance)
- Medical insurance
- EPF and gratuity
- Accommodation
- Advance increments for exemplary work
- Leave Travel Allowance
- Conveyance Allowance
- Furnishing Allowance
- Book Allowance
- Medical Allowance
- Leave Encashment
- Loan for medical emergency
- Travel on superannuation
- Compensatory off when accident on duty

Fee concession for wards of employees in the institute and Jaypee Schools.

| File Description | Document |
|---------------------------------|-------------------------------|
| Link for Additional Information | View Document |

6.3.2 Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years.**Response:** 85.17**6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years**

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 166 | 176 | 365 | 196 | 172 |

| File Description | Document |
|--|-------------------------------|
| Details of teachers provided with financial support to attend conferences, workshops etc. during the last five years (Data Template) | View Document |
| Link for Additional Information | View Document |

| Other Upload Files | |
|--------------------|-------------------------------|
| 1 | View Document |

6.3.3 Average number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the last five years.**Response:** 20.6**6.3.3.1 Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years**

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 41 | 17 | 16 | 17 | 12 |

| File Description | Document |
|--|-------------------------------|
| Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template) | View Document |
| Any additional information | View Document |
| Link for Additional Information | View Document |

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).

Response: 60.42

6.3.4.1 Total number of teachers attending professional development Programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes year wise during last five years

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 210 | 152 | 146 | 136 | 122 |

| File Description | Document |
|--|-------------------------------|
| IQAC report summary | View Document |
| Details of teachers attending professional development Programmes during the last five years (Data Template) | View Document |
| Any additional information | View Document |
| Link for Additional Information | View Document |

6.4 Financial Management and Resource Mobilization

6.4.1 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

JiIT is a self-financed institute and the resource mobilization is mainly through fee deposits. Other sources of financial revenue include:

- Participation fee in various conferences, seminars organized by the Institute.
- Sponsorships for various events, conferences, seminars, etc.
- Training & Consultancy
- Research Project grants
- Establishment of Industry sponsored labs

The Institute has an effective in-built institutional mechanism to monitor the effective and efficient use of financial resources. The Processes of the institutional mechanism are as follows:

1. Annual Budget –The Annual Budget / Financial estimates are prepared based on the prioritized need assessment considering projected Income and resources of the Institute.

2. Finance Committee Meetings - Budget proposals, fixing limits of total annual recurring & non-recurring expenditure and recommendation of the Institute are considered by FC.
3. Board of Management Meetings– The recommendations of the FC are received by the BOM for considerations and approval.
4. Review of the Budgets versus Actual - A review of the Actual versus Budget is made periodically in order to have better internal control. Actual expenditure incurred is compared with budgeted expenditure and the variances are worked out and examined/reviewed against the fund availability. Based upon the budget review, payment plans are revised to meet all expenditure on priority basis for the remaining Budget period.
5. Investment of surplus Funds - Other than the immediate requirements, surplus funds are continued to remain invested in Fixed Deposit (both Linked as well as unlinked FDs) with the Institute's Bankers to earn interest on the idle funds.

JiIT ensures sustainable use of the three principal resources mostly used in an academic environment namely, a) Electricity, b) Water and c) Paper. The institute practices measures like: "Switch-Off" drill in all office areas, laboratories, common areas, machinery (Laboratory equipment, Computers, printers, etc.) kept on standby mode during active work intervals of 5 minute auto power save mode when left inactive. The institute makes a partial use of renewable energy (Solar energy) contributing to an overall 7.5% of electricity consumption on campus. Institute provides centralized services for air conditioning, RO water, hot water etc. Procurement of paper for all official purposes is centrally dealt with. Economy practiced by avoiding use of paper where e-documents can serve the purpose and reuse of paper is strongly implemented. JiIT has a strong waste management mechanism. In addition to this institute provides shared smart class rooms and laboratory facilities to all departments. Time tables are efficiently created to provide maximum utilization of these resources among all departments. (<https://www.jiit.ac.in/time-table-even-sem-2022>)

IQAC is responsible for the day-to-day administration of quality assurance at JiIT through the Institute Quality Assurance Process (IQAP). IQAC interacts and works with Deans, academic units (departments/ centers/ research groups) for new programmes approval and cyclic programmes/ courses reviews and also to support the implementation of review outcomes. IQAC is also responsible for auditing academic and administrative activities and utilization of the Institute resources. The cell works both collaboratively and transparently and provides guidelines for reports and outcomes. (<https://www.jiit.ac.in/IQAC>)

| File Description | Document |
|---------------------------------|-------------------------------|
| Link for Additional Information | View Document |

6.4.2 Funds / Grants received from government bodies during the last five years for development and maintenance of infrastructure (not covered under Criteria III and V) (INR in Lakhs).

Response: 0

6.4.2.1 Total Funds / Grants received from government bodies for development and maintenance of infrastructure (not covered under Criteria III and V) year wise during the last five years (INR in Lakhs).

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 0 | 0 | 0 | 0 | 0 |

| File Description | Document |
|--|-------------------------------|
| Details of Funds / Grants received from government bodies during the last five years (Data Template) | View Document |

6.4.3 Funds / Grants received from non-government bodies, individuals, philanthropists during the last five years (not covered in Criterion III and V) (INR in Lakhs)

Response: 0

6.4.3.1 Total Grants received from non-government bodies, individuals, Philanthropers year wise during the last five years (INR in Lakhs)

| 2020-21 | 2019-20 | 2018-19 | 2017-18 | 2016-17 |
|---------|---------|---------|---------|---------|
| 0 | 0 | 0 | 0 | 0 |

| File Description | Document |
|---|-------------------------------|
| Institutional data in prescribed format | View Document |

6.4.4 Institution conducts internal and external financial audits regularly

Response:

Statutory Audit:

The Accounts of JIIT, Noida, are prepared & maintained under Mercantile System of Accounting as per historical convention in accordance with applicable accounting standards and guidance note on accounting issued by the Institute of Chartered Accountants of India to the extent applicable to Institute. Accounting policies are based on and are in consonance with generally accepted accounting principles.

As per powers conferred to Board of Management of JIIT by regulation of the Institute and based on recommendations of the Finance Committee, the Institute has appointed M/s Dass Gupta & Associates, Chartered Accounts, having its registered office at B-9 Gulmoher Park, Hauz Khas, New Delhi, as auditors to conduct Statutory Audit of the Institute annually. The Statutory Audit is in accordance with the significant accounting policies related to General Accounting Practices, Fixed Assets Accounting and Depreciation thereon, Inventory Management, Claims, Revenue recognition, Retirement benefit to employees, foreign currency transactions, Finance Cost etc.

Audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the Institute preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

Opinion of the Statutory Auditors:-

Various observation were made by the auditors during course of audit of FY 2020-21 for which supporting documents were provided by the institute. Auditors were satisfied with the documents and necessary changes made. In the opinion of the Statutory Auditors, adequate internal financial controls are implemented and maintained for ensuring the accuracy and completeness of the accounting records and the accounts reflect a true and fair view of the state of affairs of the Institute and there is no non-compliance found in the Balance Sheet, Income and Expenditure Accounts as per the applicable accounting Standards since its incorporation in 2004.

Internal Audit:

The Institute has also appointed Internal Auditors to examine and evaluate its activities to control the functions by examining and evaluating the adequacy and effectiveness of policies and norms of educational institute.

The Internal auditors conduct quarterly audit of procurement, procedure and norms, compliance of statutory dues and timely payment of employee benefits, accounting of fees receivable from students, Research Grants utilization and compliance, Inventory Management etc.

The Internal Auditors also assure the implementation of generally accepted accounting policies. The report of internal audit is reviewed and approved by the Finance Committee of the Institute from time to time.

| File Description | Document |
|---------------------------------|-------------------------------|
| Any additional information | View Document |
| Link for Additional Information | View Document |

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes by constantly reviewing the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals.

Response:

Two practices institutionalized by constantly reviewing the teaching learning process, structures and methodologies of operations and learning outcomes at periodic intervals as a result of IQAC initiatives are :

1) Implementation of Project Based Learning (PBL) as essential component of Experiential Learning along with Emphasis on increased Interaction and Class Attention:

- PBL is compulsory and integral component in every stream, course and program.
- There has been a consistent increase in the components of interactiveness and class Attention as a direct outcome of reduction in class size as per IQAC recommendations.
- Two minor projects and one major project is part of B.Tech curriculum.
- Class size has been made 60 in lectures through IQAC recommendation for increasing interactiveness and attention in the classes.

The implementation of PBL has resulted into following benefits :

- PBL gives a broader practical exposure of subjects to the students.
- Working in these projects makes students technically competent through hands-on experience, and nurtures aptitude required for good placements.
- Reduced class size and increased interactiveness amongst students enhances team co-ordination, peer empathy and communication skills.

2) Curricula alignment as per Industry requirements:

The curricula is designed, updated, aligned and reviewed as per industrial needs based on the experience, feedback and recommendations of various stakeholders like students, faculty, alumni and experts from other institutes and industry. The requirement of professional bodies like IEEE, ACM, NASSCOM, CII, etc., and also the curriculum in vogue at nationally important Institutes like IITs, IISc, IIITs, IIMs, etc are also considered. Changes and revisions are incorporated in the courses with addition of new electives as per the needs of the industry every year. Academic philosophy of JIIT may be understood further through details give in the link: <https://www.jiit.ac.in/academic-support-0>

- JIIT has revised the number of credits as per the requirements of AICTE and the range of electives has been widened at par with the best technical institutes in India and abroad.
- High degree of laboratory courses introduced through IQAC recommendations, infuses technical competence and design culture.
- Subjects like Big Data, IoT, Cloud Computing, Genetics, Quantum Computing etc. have been introduced as per feedback of stakeholders and recommendations of IQAC.
- Value added courses have been introduced with subjects that enhance various competencies in the students.
- The elective subjects of HSS directly fulfil and enhance the Engineering Attributes of OBE curriculum framework, like ethics, Society, Communication, sustainability etc.
- Revision as well as modifications have been undertaken to align courses with subjects of GATE, and other competitive examinations.
- Course structuring is undertaken to keep pace with the changing requirements with time.

Benefits of Curricula alignment:

- Increased frontline opportunities for placement on campus leading to almost 90% placement and above today.
- Enhanced institutional visibility and recognition and opening the roads for signing of MOUs with industry as well as with Institutions of higher education in India and abroad.

| File Description | Document |
|---------------------------------|-------------------------------|
| Any additional information | View Document |
| Link for Additional Information | View Document |

6.5.2 Institution has adopted the following for Quality assurance 1. Academic Administrative Audit (AAA) and follow up action taken 2.Confernces, Seminars, Workshops on quality conducted 3. Collaborative quality initiatives with other institution(s) 4.Orientation programme on quality issues for teachers and students 5. Participation in NIRF 6.Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA).

Response: A. Any 5 or more of the above

| File Description | Document |
|--|-------------------------------|
| Upload e-copies of the accreditations and certifications | View Document |
| Upload details of Quality assurance initiatives of the institution (Data Template) | View Document |
| Any additional information | View Document |
| Paste web link of Annual reports of University | View Document |
| Link for Additional Information | View Document |

6.5.3 Incremental improvements made for the preceding five years with regard to quality (in case of first cycle), Post accreditation quality initiatives (second and subsequent cycles).

Response:

Quality initiatives resulting from IQAC recommendations

As per the recommendations of UGC and AICTE, OBE has been adopted in almost all academic programs. The IQAC oversees strict compliance of review reports of courses and syllabus, based on the attainment analysis and feedback of stakeholders. ICT based learning tools for effective teaching learning process has become integral part of teaching in JIIT with every class room equipped with ICT hardware and software. The fully ICT based learner centric Library has become the truly rich repository of information and knowledge for the students at JIIT through continuous efforts of IQAC every year. Research profile has become highly enriched through rigorous endeavors of IQAC. Two completely dedicated cells on Sponsoring Research Projects and IPR for promoting patents have been created. By the end of calendar

year 2021, Institute has produced more than 4540 Research Papers in International and National Journals/Conference, 36 Books and 265 Book Chapters/Case studies in highly reputed journals indexed in Scopus and Web of Science (<https://www.jiit.ac.in/all-publications-jiit-faculty>). Software updating is a continuous process at the Institute. JIIT has spent Rs 1,97,01,953/- in buying and updating / upgrading software and hardware from time to time. New labs have been established as per the needs felt by IQAC from time to time. Three English Language Labs have been established with seven software which cater to spoken English, pronunciation in English, French, German and Chinese and specific software for IELTS preparation. Examination reforms have been undertaken over the passage of time in the form of initiatives such as constitution of Moderation Committee for Question Papers and Grievance Redressal Committees at departmental levels and directives for framing of question papers as per Blooms' Taxonomy for OBE implementation.

IQAC audits seven Teaching and Ten Non-Teaching Departments every year and recommends corrective measures wherever necessary. A process has been developed for smooth and synchronized functioning of various departments like academic, Registry, Finance and maintenance. Timely payment of scholarship to research fellows has been ensured through aligning of Registry and Finance in this regard. Departments of Administration, Maintenance and Facility management have been attuned together for complaints handling and timely action for resolving them through centralized mechanism. Formal feedback mechanism has been successfully implemented for every activity and with every stakeholder, be it the students, alumni, teachers or the employers. Feedback is regularly collected and analyzed by IQAC committee and further necessary actions are recommended and executed every year. Acting on the feedback of various stakeholders, IQAC has facilitated off campus placement by deputing library as the platform for disseminating information and newspaper announcements of competitive exams and further studies. Publicity of government openings by putting up their advertisement on display boards has also been initiated through IQAC intervention. Annual refresher training for all teachers through regular FDPs and workshops and mandatory leadership/management training for all educational administrators and Non-teaching Personnel as per UGC mandate has been possible through efforts of IQAC. IQAC monitors environmental issues through its regular auditing mechanism of Environmental Audit every year.

| File Description | Document |
|---------------------------------|-------------------------------|
| Any additional information | View Document |
| Link for Additional Information | View Document |

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Measures initiated by the Institution for the promotion of gender equity during the last five years.

Response:

The very purpose of Gender equity is to make available resources, programs and decision making to both males and females. At JIIT, Noida gender equity and sensitization is achieved through both curricular and co-curricular activities. Majority of the courses offered by Humanities and Social Sciences Department carry the essence of Gender Sensitization in the form of specific course content or self-learning assignments. The students are required to take the mandatory course Life Skills wherein an entire module has been dedicated for the promotion of Gender Sensitization. Apart from these numerous elective courses like Gender studies, Introduction to Sociology, Sociology of Media, Sociology of Youth, Social Media and Society, Human Rights and Social Justice offers an in-depth insight in the area of gender equity. Gender Sensitization Committee has been constituted to create awareness about gender equity. The institute also organizes various gender sensitization programs for students, faculty and staff through workshops, guest lectures, street plays etc. Anti-ragging cell takes sufficient measures to counsel the newly admitted students and caution the senior students on campus. The student Hubs at JIIT actively organize programs that compel people to introspect and contemplate regarding their roles in contributing to the cause of gender sensitization. The institute observes a policy of zero tolerance towards any form of harassment against women and has constituted Prevention of Sexual Harassment of Women at Workplace and Internal Complaints Committee (ICC) as per the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013. This committee, apart from redressal of complaints, works to create awareness regarding the Act and its implementation. The details of the functions of the committee are given at the web link https://www.jiit.ac.in/sites/default/files/ICC_Sexual%20harassment_090322.pdf.

It is ensured that all the areas in the institute are well lit with presence of both male and female guards. The CCTV cameras are installed in all the key areas. There is shuttle service between both the campuses at Sec 62 and Sec 128. There is continuous scrutiny of vehicles and people at all entry and exit gates. There is provision of separate girls' common room in the campus. Girls Hostels have resident wardens who are available twenty-four hours in a day. Security of Girls is of utmost concern for the institute. It is ensured that no external person enters the hostel premises. The entry and exit timings of the Hostels are fixed to ensure safety of all the inmates. The campus has a well-equipped health centre with one female and one male doctor along with nursing staff and ambulance available round the clock in the campus.

At JIIT, women are at the helm of many key departments and committees like department of Humanities and Social Sciences, Mathematics, Computer Science and Engineering and IT, Electronics and Communication Engineering, Internal Complaints' Committee, Grievance Redressal Cell, NSS, etc. These empowered leaders conduct regular faculty-students interaction to assess, monitor and resolve all sort of issues that might hamper the prospects of girl students. Students are counseled on varied problems ranging from curricular, co-curricular to personal.

| File Description | Document |
|---|-------------------------------|
| Annual gender sensitization action plan | View Document |

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

1. Solar energy
2. Biogas plant
3. Wheeling to the Grid
4. Sensor-based energy conservation
5. Use of LED bulbs/ power efficient equipment

Response: A. 4 or All of the above

| File Description | Document |
|--------------------------------|-------------------------------|
| Geotagged Photographs | View Document |
| Any other relevant information | View Document |

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- Solid waste management
- Liquid waste management
- Biomedical waste management
- E-waste management
- Waste recycling system
- Hazardous chemicals and radioactive waste management

Response:

University is committed to the policy of “zero waste” and reducing the environmental impact of its activities through its philosophy of “reduce-reuse-recycle”.

Waste management is given extremely high priority. The campus follows the principles of safe waste management practice. The institute disposes-off the cyclable and non-cyclable wastes as per established norms. The organic wastes collected from the institute canteen and dry waste collected on the institute campus are handled separately. Wet waste from the Annapurna is stored not for more than 24 hrs and that too in a cold facility. Every morning, all the biodegradable wastes (organic/wet waste) generated from the campus are collected. The cyclable garbage waste and non-recyclable wastes are dumped in separate and specified containers / dustbins. There is a tie-up between the institute and a registered agency called PAMM Co., Gaur city, Greater Noida west which collects bio-degradable waste from the institute for processing. The processed waste is utilized for pig farming. The waste is also utilized for making manure.

The solid waste is managed through a well laid network of sewage/drainage grid connected to septic tanks. As Noida Authority has its own Sewage Treatment plant in the vicinity, septic tanks of the campus are finally connected to Noida Authority Sewage line for treatment and disposal. Dry waste from the campus is

collected by an authorized agency appointed by NOIDA authority which collects the solid dry waste on door-to-door basis three times a day.

The institutes laboratories (Biotechnology labs) and institute Medical dispensary generated waste is categorised as Biomedical waste. As per the Environment Safety guidelines Biomedical wastes have to be dealt with separately and not to be combined with any other biodegradable waste. The institute maintains separate collection bins for the same. The institute has an annual waste management contract with M/S Synergy Waste Management (P) Ltd., Rohini, New Delhi, approved by NOIDA Authority for Bio-medical waste management. The agency collects bio-medical waste twice weekly from the campus.

E-waste comprises of all electrical and electronic wastes. An internal committee is annually formulated to decide on 'written-off' equipment that is unusable. For e-waste management, the institute has an e-waste disposal agreement with Green Aura recycling Pvt. Ltd., an authorised e-waste collecting agency. Any e-waste arising from the campus is handed over to the authorized e-waste management dealer. The most recent e-waste handling process initiated with the agency (July, 2020) involved handing over 3335 kg of e-waste for disposal.

The institute has made it a practice not to use any Radioactive material on the campus for any purpose including research. Institute does not have any department like Chemistry and Chemical Engineering nor any chemistry lab in which Hazardous chemicals are extensively used. Also the institute does not have any Animal house.

| File Description | Document |
|---|-------------------------------|
| Relevant documents like agreements/MoUs with Government and other approved agencies | View Document |
| Geotagged photographs of the facilities | View Document |
| Any other relevant information | View Document |

7.1.4 Water conservation facilities available in the Institution:

1. Rain water harvesting
2. Borewell /Open well recharge
3. Construction of tanks and bunds
4. Waste water recycling
5. Maintenance of water bodies and distribution system in the campus

Response: A. Any 4 or all of the above

| File Description | Document |
|--|-------------------------------|
| Geotagged photographs / videos of the facilities | View Document |
| Any other relevant information | View Document |

7.1.5 Green campus initiatives include:

1. Restricted entry of automobiles
2. Use of Bicycles/ Battery powered vehicles
3. Pedestrian Friendly pathways
4. Ban on use of Plastic
5. Landscaping with trees and plants

Response: A. Any 4 or All of the above

| File Description | Document |
|--|-------------------------------|
| Various policy documents / decisions circulated for implementation | View Document |
| Geotagged photos / videos of the facilities | View Document |
| Any other relevant documents | View Document |

7.1.6 Quality audits on environment and energy are regularly undertaken by the Institution and any awards received for such green campus initiatives:

1. Green audit
2. Energy audit
3. Environment audit
4. Clean and green campus recognitions / awards
5. Beyond the campus environmental promotion activities

Response: A. Any 4 or all of the above

| File Description | Document |
|---|-------------------------------|
| Reports on environment and energy audits submitted by the auditing agency | View Document |
| Any other relevant information | View Document |

7.1.7 The Institution has disabled-friendly, barrier free environment

1. Built environment with ramps/lifts for easy access to classrooms.
2. Divyangjan friendly washrooms
3. Signage including tactile path, lights, display boards and signposts
4. Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment
5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

Response: A. Any 4 or all of the above

| File Description | Document |
|--|-------------------------------|
| Policy documents and information brochures on the support to be provided | View Document |
| Geotagged photographs / videos of the facilities | View Document |
| Details of the Software procured for providing the assistance | View Document |

7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

Response:

JiIT as an institute has always believed in “unity in diversity” and hence has tried to create an environment of communal harmony and peace inside the campus. The open admission policies of the institute result in a pluralistic campus with students coming from diverse caste, linguistic and religious communities. Apart from the students, faculty members from various backgrounds are employed which help in promoting cultural and religious diversities. The institute takes specific care to inculcate attributes like tolerance and peaceful coexistence through curricular and extracurricular activities along with residential life. The students celebrate all the festivals be it Lohri, Baisakhi, Mahavir Jayanti, Diwali, Holi, Guru Nanak Jayanti in the institute with equal enthusiasm, which help in giving spiritual sense to the students and faculty of the institute. The institute has a temple inside the campus wherein many students’ worship and festival ceremonies are performed by students and faculty members equally.

All the students regardless of their caste, religious and linguistic backgrounds sit together and eat the same food in the institute mess called Annpurna. The institute provides double sharing hostel rooms and joint facilities like common rooms, swimming pool, Gym, canteen, etc., to the students which help in promoting tolerance, adaptability and caring and sharing. These kinds of initiatives help the young students to understand the importance of co-existence and also become aware of the diverse and rich cultural and religious heritage of our country. The students are our future leaders and it is very important that they learn the importance of tolerance and harmony.

The institute has also included in its curriculum several humanities and social science and Management courses like Life skills, English literature, Technology and Culture, Ethics of Corporate Governance, Challenging Diversity, Constitution of India and Indian Polity to encourage the students to respect each other’s identity and make judgments without getting influence by any kind of religious pressures.

The college organizes various activities like birth anniversary of freedom fighters, independence and republic day and various cultural activities to promote inclusiveness and harmony. Various student hubs have always been in the practice of organizing activities like poster making competition and debates that not only initiate but also motivate the students to adopt various practices that promote the “Unity in Diversity” of our motherland. The institute has created several hubs like drama and theater hub and the literary hub of the institute JiIT-Parola which organizes Jaypee Mock United Nations and JOUST to provide a platform to the students for discussions and debates on issues of tolerance and communal harmony. The annual fest of the institute “Impressions” also gives opportunities to students coming from

different states to showcase their dance forms and culture. Cultural programmes are also organized as a part of the annual conferences organized by the various departments. To make the campus life vibrant for the students and faculty, the institute organizes kavi sammelans and Spic Macay programmes regularly. The institute also invite renowned theater groups like Rashmirathi to perform and showcase the whole story of Mahabharata.

| File Description | Document |
|--|-------------------------------|
| Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution) | View Document |
| Any other relevant information | View Document |

7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

Response:

JiIT as an institute is committed to not only provide sound education and technical skills, but also inculcate moral values, a sense of responsibility among the students. In this regard, JiIT has designed its curricular as well as extracurricular activities accordingly that helps the students to become better citizens of the country. The University ensures that the students participate enthusiastically in all National festivals. Since the last five years, JiIT has strived forward with great effort to increase the level of awareness and appropriate practices amongst the students by means of the following:

Curricular: To enlighten the students about the values, rights, duties and responsibilities of the citizens, there is a compulsory course on Constitution of India for the B.Tech students in the 5th semester as well as for the M.Tech students in 3rd semester. Apart from this, elective courses on Indian polity and Constitutional Democracy in India, Human rights and social justice and global politics are offered to the students in various semesters. As a part of innovative technique of teaching, students were taken to the Delhi Legislative Assembly to get an insight into the functioning of the legislative assembly and the working of the parliamentary system. As a part of project-based learning, students of human rights and social justice course submitted reviews of movies and documentaries dealing with human rights issues. Guest lectures have been organized on various topics like “From Idealism to Pragmatism: Leadership and Indian Foreign Policy”, “Employability Skills and Industry Expectations”, “how to do well in group discussions”, “Role of Soft Skills in enhancing Employability”; which has enriched the awareness of the students about these aspects. (<https://www.jiit.ac.in/course-outline-1>)

Extra Curricular: The Drama and Theater Hub of JiIT provides platform for the students in theatrical activities including street plays (both inside and outside the campus) on socially relevant issues. The literary hub of JiIT- Parola also organizes Jaypee Model United Nations which is a platform for debates, discussion and deliberation on policy making and diplomacy. The literary hub also organizes JOUST- Words at War every year, which is one-of-a-kind platform for students to discuss and debate on socially relevant issues like safety policy regarding women and child in India and effects of human behavior on the environment. (<https://www.jiit.ac.in/parola>)

Institutional Activities: The institute has always taken various direct and indirect steps which promote the awareness about various National Identities and Symbols. The institute celebrates the Independence Day & Republic Day with great pomp and vigour. The institute also organized voter camp to encourage students who are young voters to go out and vote responsibly.

Extension activities: The National Service Scheme (NSS) wing of JIIT organizes several events like blood donation camps, visits to orphanages, create awareness about environmental issues, and celebrate International women's day. JIIT has constituted "Light de Literacy" where dedicated students work for slum literacy and child empowerment. Under the Unnat Bharat Abhiyan, JIIT has adopted five villages to make them self sufficient. (<https://www.jiit.ac.in/nss>)

7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.

- 1. The Code of Conduct is displayed on the website**
- 2. There is a committee to monitor adherence to the Code of Conduct**
- 3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
- 4. Annual awareness programmes on Code of Conduct are organized**

Response: A. All of the above

| File Description | Document |
|--|-------------------------------|
| Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims | View Document |
| Code of ethics policy document | View Document |
| Any other relevant information | View Document |

7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

Response:

Celebrating National Days, National and International commemorative events and festivals together with great fervor provides a strong platform to inculcate strong human values, sound cultural roots and a global vision in the students. The institute administration organizes all these celebrations at the institute level wherein the faculty and students participate. Different hubs of Jaypee Youth Club organize various events every year that witness enthusiastic participation and cultural rootedness of the institute fraternity. (<https://www.jiit.ac.in/jiit-youth-club>)

JiIT celebrates Independence Day and Republic Day with great zeal. On these occasions, apart from Flag Hoisting and Motivational Talk by Head of institution, many cultural programs and competitions are organized by the students. Gandhi Jayanti is celebrated through channelized dissemination of the ideals of the Father of Nation. Swachhata Abhiyaan and tree plantation drives are conducted by students and faculty alike. Students also use the medium of theatre to spread awareness and inculcate feeling of patriotism, nationalism and Gandhian Philosophy through street plays or nukkad nataks.

In a similar way, birth and death anniversaries of great personalities are commemorated by organizing invited talks, programs etc. Teachers' day is organized every year to commemorate Dr. S. Radhakrishnan. Shaheed Diwas is observed on 30th January to commemorate the death anniversary of Mahatma Gandhi by observing two minutes silence. Various festivals are celebrated in the campus of the University such as Lohri, Janmashtami, Holi, Diwali Vishwa Kama Puja etc. Students organize various cultural programs to mark these festivals. Cracker free Diwali and using herbal colours during Holi festivals have become the norm amongst JiIT students.

Other days of national and international importance are also organized enthusiastically, International Youth Day, International Yoga Day, World environment day, World Blood Donation Day to name a few. Students are provided a platform wherein they voice their concerns regarding the current challenging times. Students also organize and participate in competitions, technical fests, cultural events and institutional fests during these occasions. Students are taught about the Constitution of India in regular classes. During the month of November, students are taken on educational tours and excursions to understand our political and constitutional framework closely and mark celebration of Constitution Day on 26 November. Hindi Diwas is celebrated by organizing many competitions and workshops through the student hubs. International Women's Day is celebrated every year and witnesses huge participation from the students. To mark the day, cultural programs, street plays on gender sensitization, workshops to address the issue of gender parity are organized. (<https://www.jiit.ac.in/hub>)

To make the students understand the importance of sustainable development, various important national and international days like Environment Day, Earth Day, World Water Day, and National Science Day are celebrated every year. Blood Donation camps, clothes and food distribution to slum areas, teaching students from around the slum areas, plantation drives and direct involvement with underprivileged sections of the society in different ways under flagship of NSS and Unnat Bharat Abhiyan are some of the activities that are very vehemently and enthusiastically pursued by the students on all these occasions. (<https://www.jiit.ac.in/nss>)

| File Description | Document |
|--|-------------------------------|
| Geotagged photographs of some of the events | View Document |
| Any other relevant information | View Document |
| Annual report of the celebrations and commemorative events for the last five years | View Document |

7.2 Best Practices

7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Response:

BEST PRACTICE-I

1. Title: Research as Integral Part of Learning

2. Objective: To provide early research involvement for

- Enhancing technical competencies and
- Nurturing and accentuating creativity and innovation.

3. The Context:

Research, development and innovation are inherent in the context of engineering which has to deliver new tools and systems, procedures, applications and respective mechanisms and theories. Individual curiosity and structured research environment/ education system has been the driver for development. The globalization in recent times has further increased the pace of research and development as a means not only to prosper but also to survive. It is essential in this context that the graduates passing out not only have sound theoretical and practical knowledge and experience but they are also inquisitive, curious and creative. For the later attributes an integral Research and Development experience is desired.

4. The Practice:

JIIT has adopted all round approach to enhance early research experience of its graduate students through following practices:

- **Curriculum:** Inclusion of two minor projects (each one semester long) along with one year long major project under the guidance of different supervisors. These projects provide opportunity to identify problem, think critically to solve problems and implement and verify the solutions found.
- **Practical:** Experiment based learning. Most of the theoretical aspects taught in classes have corresponding laboratory-based experiments.
- **Projects and Training:** Hands on learning beyond syllabus by small projects in several courses and compulsory industrial training.
- **Mentoring by Faculty:** JIIT recognizes that well qualified faculty can guide the student to deep

learning and innovative thinking. Faculty drawn from national/ international institutions of repute with experience in academia/ industry forms integral part of the pool required for research atmosphere.

- **Promotion for Research and Development:** Institute promotes its Research and Development activities by following:

Support and encouragement for Govt. sponsored research projects and internally funded projects.

Creation of specialized labs, research centres and centre of innovations.

Procurement of instruments/ software for high end research.

Encouragement for publications in high quality journals.

Encouragement and support for patents.

Sponsorship to attend workshops/ conferences.

- **Student involvement in research:** Research being carried out in specialized labs, research centres and centre of innovations as well as sponsored research projects provide intense engagement and interface to the students with technology/ research being carried out globally.
- **Research, Ethics and Environment:** JIIT identifies innovation as a means of advancement of society. Practicing ethics in research and environment safety are part of social responsibility. Institute has put in practice the guidelines for ethics in research.

5. Evidence of Success:

The practice followed by JIIT has led to the creation of specialised labs. The Institute has received over twenty research grants from agencies such as DST, DBT, DRDO, ICMR, etc. As a result, the Institute publication profile rose significantly. Involvement of students in the projects and publications has significantly improved over the years. The success of JIIT students in jobs, higher education enrolment in institutions of international repute, and technical competitions, is a true indicator of success of our practice of early research involvement.

6. Problem Encountered and Resources required:

Research requires extensive funding. Being self financing Institution, fund allocation for research is a challenging task. However, this has been partially addressed by active encouragement from management. Funding from external agencies is made possible by the Institute policy of hiring high quality faculty and active pursuance and perseverance of faculty.

(<https://www.jiit.ac.in/guidelines-research>)

BEST PRACTICE-II

1. Title: E-management: For Effectiveness and Transparency

2. Objective: To use E-management tools for effective;

- Teaching and Learning
- Monitoring and Mentoring
- Transparency.

3. The Context:

Use of Information technology in management can enhance the productivity and quality. Its use in the domain of education can greatly help students by ready availability of subject resources, time tables, performance, attendance, schedules related to examinations and other activities, and more importantly transparency. Similarly e-management resources are extremely helpful in providing teaching aids to faculty and creating a culture of transparency which is very important for healthy and unbiased working atmosphere.

4. The Practice:

JiIT has adopted usage of information technology in management of several systems for its students and faculty through following practices:

- Website: (1) Availability of complete information starting from departments, courses and faculty including mail/ phone contacts. (2) Complete details about course structure, subject details, time tables, exams procedure, rules and regulations, etc
- Intranet for effective dissemination of knowledge/ information and storage space (N: drive) accessible to anywhere on campus
- Study Material for uploading course/ subject contents for 24x7 teaching
- Webkiosk: several personal and professional activities/ aspects related to Institution can be entered and retrieved making the system transparent. These activities are related to (i) Personal: Employee salary, benefits details, types of leave, attendance, details in case of emergency, help in tax information (ii) teaching: student attendance, information about student not attending, class room booking (iii) exam: marks entry, grade entry, result, invigilation duty, (iv) Counseling & Mentoring: to view student grades and performance (by parents and teacher), (v) provide feedback: e.g. IQAC.

5. Evidence of Success:

The practice followed by JiIT has led to the creation of healthy and transparent work culture. Transparency and easy dissemination of knowledge/ information through IT enabled systems starting from lecture room experience to exams has greatly helped students and concerned parents. The policy to view exam copies, mechanism to redress issues along with e-management has provided unbiased and effective mechanism.

For employee, the information about salary, benefits, types of leaves, etc are available online. This type of transparency along with healthy policy for promotion and help in career advancements makes JiIT attractive place to work. JiIT has very good rate of faculty and staff retention. The confidence of faculty in system has led to long term thinking and planning.

6. Problem Encountered and Resources required:

Change from paper work to paperless work needs change in habit and mindset. Moreover, it's a matter of training. JiIT having large number of young and enthusiastic faculty and staff has been able to implement

several aspects of e-management successfully.

BEST PRACTICE-III

1. Title: Cross level Peer mentoring

2. Objective: The objectives of this practice are:

- To improve the learning support system and personal attention for the junior students through easily accessible senior student mentors
- To deepen the technical competence of senior students and also to nurture their leadership skills

3. The Context:

Personal attention to every student is perhaps the most important aspect of good education systems. However, Universities and colleges are finding it increasingly difficult to build enough faculty capacity to provide a long term individual attention to all students.

Mentoring has been recognized to offer advantages to both the mentees as well as the mentors. Mentees get benefitted by mentor's support in many ways: analysis and reflection, problem solving, self-confidence, acceptance of criticism, as well as broadened horizon and maturity. On the other hand, teaching has been well recognized as one of the most effective ways of learning. Mentors also draw several benefits by mentoring others: improved awareness of the gaps in their own learning, ability to give and take criticism, leadership, organizational and communication skills, and ability to reflect.

4. The Practice:

At JIIT, cross-level peer mentoring was initiated in 2005. During one decade, more than 2,500 students have mentored more than 7,500 juniors under this practice and most of these students have played the roles of mentees as well as mentors in different years.

During 2005 - 2008, a total of 164 final year undergraduate students were engaged in mentoring their junior students in laboratory work as part of their formal assignment in 'Learning Sciences' or 'Theory of Knowledge, Learning, and Research.' They assisted in the laboratory classes of many host courses offered to 1stand 2ndyear students. In the presence of concerned faculty of the junior level (host) course, they provided guidance, clarifications, and support to needy junior students. Juniors did not hesitate in asking questions and many weaker students got individual attention from their mentor.

In 2007-08, 40 students of another fourth-year elective course, 'Software Engineering Management', were engaged to mentor juniors' second-year project as part of their project management practice. In 2008-09, all 200 students of this course, group mentored five credit minor projects of third-year students. In the same semester, through the facilitation of the 'Software Engineering' course, a total of 205 third-year students were engaged as project mentors for mini projects of juniors. In the second semesters of 2007-08 and 2008-09, when the mentor facilitating courses were not operational, many students of the final year, and also the third year, volunteered to mentor the juniors' laboratories even without credit.

Based on positive experiences, feedback from industry, and consultation, in 2009, more than 40 faculty members of the department of CSE and IT, mentoring was considered as an integral part of their day-to-

day work for a mentor's own year-long final year project. 2009-10 onwards more than 2000 final year B. Tech. students have been engaged to mentor laboratory work and projects of more than 6,000 juniors.

5. Evidence of Success:

The feedback received from host faculty, facilitating faculty, mentee students, and mentor students during different stages of this scheme's implementation was positive. The mentors of 'Introduction to Computer Programming' reported helping their mentees in removal of syntactical errors, problem understanding, programming logic development, mapping logic to programming language constructs, debugging, providing study resources, project formulation, etc. More than 70% of these mentors claimed that they revised the old content of the host subject, and also learnt the new content that was added for the juniors, through self study.

As the seniors guided the juniors, it provided them opportunities not just for rehearsing their knowledge, but also for reflective knowledge building by recognizing and repairing their own misconceptions, and gaps in knowledge, integrating new and prior knowledge, and also generating new ideas.

Mentors reported several other benefits for themselves: experiencing joy and satisfaction, enhanced confidence, self-esteem, and hence, enhanced motivation for more challenging work in their own final year project, improved understanding of self and others, development of patience, empathy, and out-of-box thinking, improvement of analytical and debugging skills, insights for project management issues, handling quality and late delivery, and also enhancement of communication, collaboration, leadership and decision making skills.

JiIT is now working to further extend this practice by creating course specific online communities of junior students, faculty, senior students and alumni as mentors. This model has already been tested in Programming Hub in which a Facebook group of 3,500 members is now very active. The juniors often use this group to raise their programming related doubts and some senior student or an alumnus usually responds without much delay. Sometimes alumni and seniors also throw challenging tasks for the juniors.

6. Problem Encountered and Resources required

The practice has gradually evolved at JiIT. We did not face any great problem in implementing this practice. No additional resources are required for this practice. However, it requires careful management by the faculty. Motivating mentor students is an important and critical aspect of the practice.

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7.3 Institutional Distinctiveness

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

JIIT, Noida was established in the year 2001 with a vision to become a Center of Excellence in the field of IT & 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. Since its inception, JIIT has remained relevant in national and global contexts by focussing on the development of its IT capabilities for contributing towards national growth.

Cutting Edge Curriculum

JIIT endeavours to become a benchmark University in imparting knowhow of IT technologies. Our curriculum is regularly aligned with industry requirements through continual updates. JIIT's understanding of IT industry needs is demonstrated in the M.Tech. courses offered with specializations in Data Analytics, IoT, AI and ML etc. Over 70% courses in UG and PG Programmes are designed according to the latest industry and research trends. JIIT has introduced above 100 IT based, skill oriented electives in last 5 years around Big-Data, IoT, Cloud and Edge Computing, Machine Learning, Deep Learning, Blockchain, DevOps & other IT related fields etc [<https://www.jiit.ac.in/dvv-naac/Criteria-1-DVVs/1.2-Academic-Flexibility/1.2.1/>, <https://www.jiit.ac.in/dvv-naac/Criteria-1-DVVs/1.3-Curriculum-Enrichment/1.3.2/>].

Intellectual Capital

JIIT strives to contribute to the society by nurturing the youth to become leaders and thorough professionals. We have strong tie ups with IT companies like Infosys, Wipro and Erricson etc [ERRICSoN MOU- <https://www.jiit.ac.in/dvv-naac/Criteria-3-DVVs/3.7.2/>] to ensure that our students acquire the right skills through practical training. Executives from industries are frequently invited for guest lectures to reduce industry-institute gap, which is reflected in the quantity and quality of student placements. Every year more than 150 IT-companies visit JIIT including industry giants like Google, Microsoft, Adobe, Amazon, SAMSUNG, SAP, E&Y, Deloitte etc. JIIT has established its reputation among companies as the best place for hiring excellent programmers. For 2021 pass out students apart from highest package of 43 lacs by Adobe, there were 46 offers by 5 Companies with CTC INR 30 Lacs, & 71 offers by 9 Companies above CTC INR 20 to 30 Lacs, 34 offers by 12 Companies above CTC INR 10 to 20 Lacs. [<https://www.jiit.ac.in/student-placement>]. These placement highlights indicate that JIIT is very successful in producing world-class IT professionals.

JIIT holds MOUs with foreign universities like University of Florida, USA, College of Information Science & Technology, The Peter Kiewit Institute of Information Science, Engineering & Technology, University of Nebraska, Omaha, South Dakota School of Mines & Technology, USA, Youth-Development-Fund, Bhutan, Alliance of 4 Universities of Spain and University of Malta. (<https://www.jiit.ac.in/international-linkages>). NIRF ranking of JIIT has remained under top 100 in past five years, which speaks about the laurels achieved.

Quality and Impactful Research at JIIT

JIIT has been successful in inculcating a spirit of IT research and innovation in faculty members and students. The commitment to high quality IT-centric research is visible in the research outcomes of JIIT. By Jun 2021, we have contributed 4639 papers indexed in Scopus / WoS/ DBLP which include over 800 IT-centric papers in International and National Journals, Conferences, 37 Books and 294 Book Chapters/Case studies. The quality of the publications can be gauged from their number in high impact journals and ever-growing count of citations. Another highlight is the high number of undergraduate student co-authors. The

intellectual contribution of JIIT is reflected through 35 patents published and one patent granted to its faculty till date. [<https://www.jiit.ac.in/patents>]

Faculty members are facilitated in regular pursuit of state-of-art IT technologies by providing opportunities to attend workshops, FDPs and conferences. Apart from conducting 4 edition of IT-flagship international conference IC3, more than 56 Workshops/FDPs/Summer-Schools/Short-term-courses etc have been organized by the JIIT between 2016-2021. This shows the commitment to keep working hard to create and disseminate knowledge. JIIT leadership is committed to high quality at any cost. This is reflected as JIIT has incurred an expenditure of over 1.5 million INR only for organizing IC3 conferences [<http://ic3conf.net/>]. This annual IT flagship conference, International Conference on Contemporary Computing (h5-index of 18) is in its 14th-edition in 2022 and has so far received over 5000 submissions, of which approximately 1000 papers have been published and indexed in Scopus.

The dedication of JIIT towards IT development is reflected in the establishment of many centers of excellence. JIIT has invested heavily in providing research infrastructure with 47 Research labs, IT equipments and a DGX Workstation. Research efforts reflect in sponsored research grants of more than 10 crore rupees funding received from funding agencies of GOI namely, Department of Biotechnology, SERB, DST, AICTE & ICMR etc. JIIT has successfully completed 49 funded research projects of grant 11.66 crores, and currently, 10 projects of grant 4.74 crores are ongoing.

Vibrant Student Activities

JIIT's state-of-the-art campus comprises smart buildings with Wi-Fi connectivity equipped with 24x7 service availability of high-speed broadband internet facility. We have created a strong programming culture via various hub activities aiming at imbuing students with competitive IT skills. Our students have excelled in many programming contests, robotics contests and project competitions at national and international level. To name a few, winners/runner-up (in 5 different categories) at Smart-India-Hackathon-2019 organized by MHRD, GOI, GSoC internship (more than 15 project proposals have selected in last 2 years), winners of the prestigious Code-Gladiator contest organized by Tech-Gig in 2017 & 2019, rank holders in annual ACM-ICPC. A annual event conducted by JIIT, Cyber shristry, is very popular in India. This is a programming competition where students may showcase their coding/programming skills and creativity [<https://www.jiit.ac.in/annual-fests>]. JIIT encourages active participation in government initiatives. Currently, there are approximately 400 NSS student volunteers actively engaged in social services. JIIT has adopted five villages under Unnat-Bharat-Abhiyan of MHRD, GOI to promote the requisite science and technology interventions for improvising the development (<https://www.jiit.ac.in/uba>). Students are involved in Information-Education-Communication activities, Solid-Waste-Management activities under Swachh Bharat Abhiyan of GOI. The fully functional Institution-Innovation-Council linked to MHRD's Innovation Cell, GOI promotes Innovation and Entrepreneurship among students. (<https://www.jiit.ac.in/iic>).

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5. CONCLUSION

Additional Information :

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| About Jaypee Group | https://www.jiit.ac.in/jaypee-group-glance |
| Message From Founder Jaiprakash Sewa Sansthan (JSS) | https://www.jiit.ac.in/message-founder-jss |
| About the University (Overview) | https://www.jiit.ac.in/about-jiit |
| Link of OBE Data | https://www.jiit.ac.in/sites/default/files/OBE.pdf |

Concluding Remarks :

Jaypee Group believes that education is a key element for economic development and the energy and enthusiasm of youth can be channelized by education. University has six departments viz. Department of Biotechnology , Department of Computer Science & Engineering and Information Technology, Department of Electronics and Communication Engineering, Department of Humanities and Social Sciences, Department of Mathematics, Department of Physics and Materials Science and Engineering and one Business School i.e. Jaypee Business School. Each department and Business School has set their own vision and mission, which is in alignment with the Institute's vision and mission.

Jiit campus hosts a variety of modern facilities in order to create an environment for facilitating its students to attain their academic and career goals. Jiit attracts bright students and faculty regardless of their social, educational, regional or ethnic background. The pleasant and stimulating ambience at Jiit provides a learning and research oriented environment to its students as well as faculty members. It's a place where collaborative learning is encouraged and one can broaden their horizons and fulfill dreams.