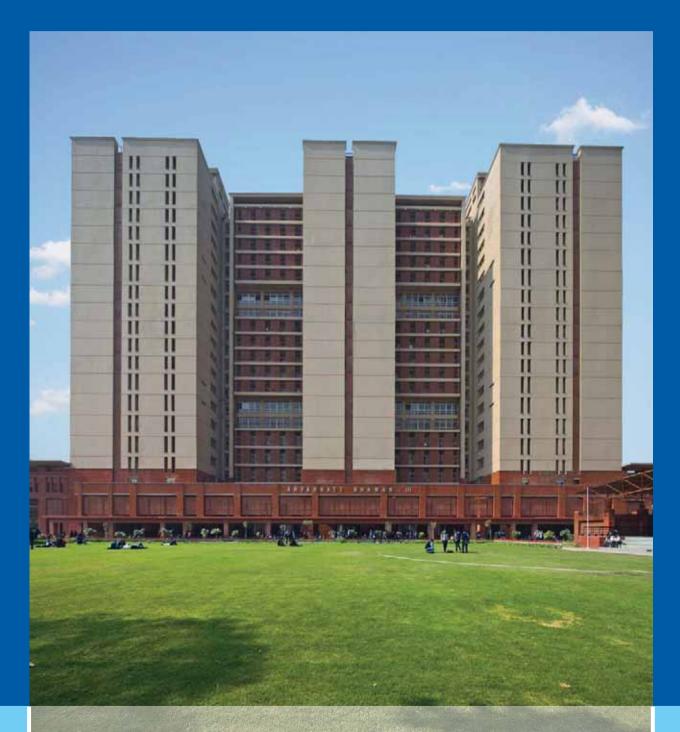# ANNUAL REPORT
2018 - 19

JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY

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

CONTENTS

APPENDICES

BASIC INFORMATION IN BRIEF

Name	:	**Jaypee Institute of Information Technology, Noida**
		(Declared as Deemed to be University u/s 3 of the UGC Act, 1956)
Year of Establishment	:	August 2001
Status	:	Deemed to be University, with effect from 01 Nov 2004
Location	:	A-10, Sector-62, Noida
Pin code	:	201309
District	:	Gautam Budha Nagar
State	:	Uttar Pradesh

Officers of the Institute

Vice Chancellor	:	**Prof. S.C. Saxena**
Registrar	:	**Sh. Raju Sangal**
Finance Officer	:	**Sh. Ashish Banerjee**

Tele/Fax/Website

Vice Chancellor	:	(O) 0120-2400980
Registrar	:	(O) 0120-2400973-976
Website	:	www.jiit.ac.in

INTRODUCTION

Genesis

Transforming challenges into opportunities has been the hallmark of the Jaypee Group ever since its inception five decades ago. The Group is a diversified infrastructure conglomerate with business interests in Engineering & Construction, Cement, Power, Real Estate, Expressways, Fertilizer, Hospitality, Healthcare, Sports, Information Technology and Education (not-for-profit).

With the thought of using technology and management effectively, the visionary founder of the Jaiprakash Sewa Sansthan (JSS), Shri Jaiprakash Gaur set up four higher technical institutes to host the best of faculty, students and educational infrastructure to ensure creation, generation, dissemination and application of knowledge to mould the world leaders of tomorrow.

Jaypee Institute of Information Technology (JIIT) was the first amongst four Institutes of higher technical education, raised by the JSS and was established in 2001.

Satisfied with the highest standards of professional education, supporting infrastructure and based on recommendation of AICTE and UGC, the Ministry of Human Resource Development (MHRD), accorded it the status of "Deemed University" in 2004.

About Jaiprakash Sewa Sansthan (JSS)

The Group has always believed in "growth with a humane face" and to fulfill its obligations it has set up JSS, a 'not-for-profit' Trust which primarily serves the objectives of socio-economic development, reducing the pain and distress in society.

For over 5 decades now, Jaypee Group has supported the socio-economic development of the local environment in which it operates and ensures that the economically and educationally challenged strata around the work surroundings are also benefited from the Group's growth by providing education, medical and other facilities for local development.
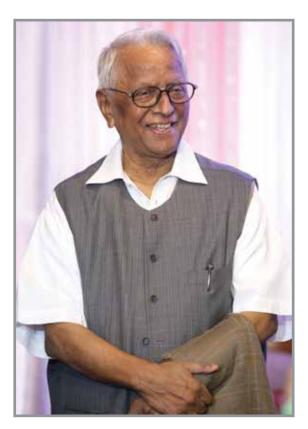
The Group also undertakes Comprehensive Rural Development Programme (CRDP) which covers a wide range of projects such as free medical camps, health check-ups for village school children, literacy campaigns like Balwadis for young boys and girls, safe drinking water supply, creating huge water reservoirs in different villages, self employment which includes tailoring classes for women and animal husbandry. Some other important activities undertaken include the renovation of old temples, other schools and hospital buildings in the adjoining adopted villages.

JSS has translated its social responsibility into reality by building up schools and training institutes that cater to the needs of providing quality education to the rural masses. The trust also helps in times of natural catastrophe to reach the affected communities in distress.

Location

JIIT is situated near the Electronic City at Noida at a distance of 3 Kms. from New Delhi-U.P. border in the area meant for educational Institutions as provided for by the Noida Authority.

Shri Jaiprakash Gaur,
Founder Jaypee Group & First Chancellor of JIIT

VISION

To become a Center of Excellence in the field of IT & related emerging areas in 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; and
- To harness human capital for sustainable competitive edge and social relevance.

OBJECTIVES

The objectives of the Institute as listed in the Revised Memorandum of Association are:

- To provide for instruction and training in such branches of learning as it may deem fit;
- To provide for research and for the advancement of and dissemination of knowledge;
- To undertake extra mural studies, extension programs and outreach activities that contribute to the development of society; and
- To do all such other acts and things as may be necessary or desirable to further the objects of the Institute.

GOVERNANCE

Board of Management

- As per Regulations of the Institute, the responsibility for the general superintendence, direction and control of the affairs of the Institute is vested with the Board of Management. The composition of the Board of Management is given in **Appendix-A.**

- The Board carries out its tasks and functions through statutory committees, which have been specified in the Regulations of the Institute.

Academic Council

- The Academic Council is the premier and august body of scholars, which decides and monitors the implementation of Academic policies and profile of the Institute. The powers and functions of the Council are defined in the Regulations of the Institute. Amongst other major functions, the Academic Council controls and approves the courses in various curricula, defines the thrust areas, objectives and constantly reviews the activities of the Departments to ensure improvements in standards.

- The Composition of the Academic Council is listed in **Appendix-B.**

Planning and Monitoring Board

1. **Vice-Chancellor………….Chairperson**

   Prof. S.C. Saxena

2. **One Nominee of UGC**

   Prof. K.P. Singh

   Professor – Emeritus, Department of Electronics Engineering, Institute of Technology, Banaras Hindu University, Varanasi-221005

3. **Seven Internal Members**

   (i) Prof. Hari Om Gupra

   (ii) Prof. D K Rai

   (iii) Prof. Alka Sharma

   (iv) Prof. Shweta Srivastava

   (v) Prof. Amrish Kumar Agarwal

   (vi) Prof. Vikas Saxena

   (vii) Sh. Kapil Sud

4. **Three Outside Experts**

   (i) Prof. Vinod Kumar, VC, JUIT, Waknaghat

   (ii) Prof. Rajiv Saxena, VC, JU Anoopshahr

   (iii) Prof. P K Jain, IIT (BHU), Varanasi

5. **Registrar……Secretary**

   Sh. Raju Sangal

6. **Special Invitee**

   Sh Ashish Banerjee

Finance Committee

1. **The Vice Chancellor --------Chairperson**

   Prof. S.C. Saxena

2. **A person nominated by the Society/Trust/ Company**

   Sh. S. D. Nailwal
   Director, Finance, Jaiprakash Associates Limited, Sector-128

3. **Two nominees of the Board of Management, one of whom shall be member of the Board**

   Sh. Sunil Kumar Sharma
   Executive Vice Chairman, Jaypee Group of Companies

   Prof. Hari Om Gupta
   Director, JIIT, Sector-128 Campus

4. **A representative of the Central Government**
   Nomination is awaited

5. **Finance Officer-Secretary**
   Sh. Ashish Banerjee

INFRASTRUCTURE DETAILS

JIIT has been developed as modern world Class University having campuses at Sector-62 and Sector-128, with intellectually vibrant ambience in a serene and lush green environment. The state-of-the-art campuses comprise smart buildings with Internet, with Wi-Fi connectivity, including environmentally conditioned Academic Blocks, Annapurna (Mess), well-equipped modern laboratories and Learning Resource Centres. Student residence provides a pleasant and intellectually stimulating ambience for the students in an eco-friendly environment. The details of the Infrastructure and available facilities are attached in **Appendix-C.**

The Academic philosophy

Teaching

- Student centric learning;

- Encouragement to self learning;

- Periodic Review of Curricula to keep pace with changing technology;

- Regular updating of Electives in the Curricula;

- Emphasis on project, design and Laboratory skills;

- Emphasis on creativity & innovation skills;

- Development of Communication Skills and Leadership quality;

- Emphasis on fundamentals, concept understanding and analytical & problem solving skills;

- Enhancement of scientific reasoning ability;

- Integration of human values and professionalism.

Research

- Research from undergraduate level;

- Faculty promotions based on R&D output;

- Emphasis on individual as well as group research;

- Undertaking project work in collaboration with the Industry.

Education System

- At JIIT, special emphasis has been placed on developing an environment highly conducive to building of a solid foundation of knowledge, personality development, confidence building, pursuit of excellence, self-discipline and enhancement of creativity through motivation and drive, which helps to produce professionals who are well trained for the rigors of professional and social life. Students are encouraged to make life outside the classroom vibrant and enjoyable by engaging themselves in multiple extracurricular areas. Creativity, competition, distinction, establishing relationships with fellow students and others in the community and ultimately enhancing the value of their educational experience, is at the heart of all extracurricular activities.

- The academic year consists of basically two semesters for Engineering & Humanities faculty and three trimesters for Business School students. The education system is organized around credit system which ensures continuous evaluation of student's performance and provides flexibility to choose courses of interest and to progress at an optimum pace suited to student's ability or convenience. Each course is assigned certain number of credits depending upon the class contact hours. A specified number of credits and CGPA are to be completed satisfactorily in order to qualify for a degree. The medium of instruction is English.

Programs Offered

UG Programs

The UG programs of study emphasize strong conceptual understanding and practical skills in their respective areas of specialization. All students are provided with a sound foundation in the basic sciences (Maths and Physics), coupled with courses in Humanities and Social Sciences.

The academic system lays great emphasis on continuous evaluation and transparency. By means of well designed tutorials and practicals, every effort is made to reinforce the concepts taught in the classroom. In the final year, major projects are assigned to students.

Industry internship after the 6th semester is an integral part of the academic program leading to the overall development of a student through exposure to practical skills in real life situations.

Education Methodology comprises multiple learning stages, specifically lectures, self-study, tutorials, lab work, assignments, projects, research, internships, guest lectures, seminars, continuous evaluation, examinations and personality development programs.

The undergraduate programs conducted at JIIT, Noida are as below:

(i) B.Tech (Biotechnology)

The B. Tech Biotechnology Programme is aimed at empowering the students with technical and analytical skills enabling them to venture into multidisciplinary areas of interest in industry, education, research and management. The curriculum is designed to integrate theroretical knowledge with a hands-on practical experience through laboratory and project based learning. Students are offered core courses from biotechnology like Biochemistry, Immunology, Microbiology, Bioprocess Engineering, Bioinformatics, Cell Culture Technology, Molecular Biology and Genetic Engineering as well as from other engineering and basic science departments like electronics, computer science, physics and material science, mathematics and humanities and social sciences. In addition to these students are offered specialized electives and value added courses like stress biology, nanoscience in food technology, mushroom biology, Market Research in Biosciences, intellectual property rights and bioethics etc.

(ii) B. Tech (Computer Science & Engineering)

This is the most popular and largest program of the institute. Through this program, the department trains students in all dimensions of computing- theory, systems, and applications. The revised curriculum has introduced a novel concept of flexi-core from fifth semester onwards. There are 3 such flexi-core courses. In addition, our highly flexible curriculum includes 16 slots for elective courses by different departments, starting from the 3rd semester itself. Core courses are in the area of programming, algorithms, architecture, operating systems, embedded systems, complier design, computational theory, networks. Two common first year courses cater to generic computing needs of all departments. The program offers the option of earning additional minor certificate in other areas.

(iii) B. Tech (Information Technology)

The curriculum marginally differs from B.Tech (CSE) curriculum. The curriculum of B.Tech (IT) places a higher emphasis on contemporary applications and technologies such as cloud computing, mobile computing, IoT, web technologies and data mining, etc. The program offers the option of earning additional minor certificate in other areas.

(iv) B.Tech (Electronics & Communication Engineering)

To keep pace with the rapidly evolving electronics industry requires unwavering passion and urge to innovate. This, precisely, is what the Electronics and Communication Engineering (ECE) Department at JIIT is about. Electronics and Communication Engineering discipline spans a diverse set of intellectual subfields and applications. The subfields can be grouped into overlapping and interrelated areas like Signal and Image Processing, Semiconductor Device Design, Communication Systems, Data Communication Networks, Microwave and Antenna Design, Internet of Things, Wireless Communication, Microelectronics, Embedded Systems, VLSI Design, and many more.

Options to take many elective subjects provide a wonderful opportunity to the students to gain further

specialization in varied domains of ECE. Students are also offered a number of courses in Computer Science and Engineering to meet the requirements of academics as well as industry. They shall undertake courses in Basic Sciences, Mathematics, Basic Engineering as well as a part of the curricullum. The program is fully supported by excellent laboratories for all the core courses like Electrical Science, Communication systems, Digital Electronics, VLSI, Electromagnetics, signal processing etc. And some advanced laboratories such as Machine learning lab, IoT Lab., Embedded and Robotics lab under E-yantra sponsored by MHRD. These labs are equipped with state of the art instruments and software tools to enable students to perform, fabrication and testing of their experiments and projects.

Integrated M.Tech Programs

(i) 5 Year Integrated M. Tech (Biotechnology)

Department also offers a five year Integrated M. Tech Program with additional specialized core and elective courses such as Biomolecules and Cell Communication, Nanobiotechnology, Regulatory Affairs, Drug Delivery, Genomics & Society, Biostatistics, Product Development in Biotechnology, Experimental models in Research and Molecular Diagnostics. Students have an option to undertake industrial project in the final semester or do in-house M. Tech Dissertation as a continuation of their B. Tech project work. Students are encouraged and provided opportunities to work on research based projects yielding publications in journals of International and National repute.

(ii) 5 Year Integrated M. Tech (Computer Science and Engineering)

Since 2008, the students are being admitted in this program. The program exposes the students to various areas of computer science engineering such as algorithms, computer systems, software engineering, machine learning, distributed systems, performance modelling, multimedia computing, etc., leading to an integrated B.Tech- M.Tech degree in computer science engineering. The program lays emphasis on student projects and research.

(ii) 5 Year Integrated M. Tech (Electronics and Communication Engineering)

The integrated M.Tech program in Electronics and Communication Engineering is a specially designed program which includes courses of both B.Tech and M.Tech degrees in the discipline of Electronics and Communication Engineering and emphasizes on an in-depth understanding of several advanced and state-of-the-art courses in the area of Signal & Speech Processing and Coding, Wireless Communication, VLSI, System on Chip, Satellite Communication, Machine Learning, Microwave Engineering etc.

The integrated program provides the students with the opportunity to acquire comprehensive understanding in an area of their selected field through electives and individual projects. The laboratory courses offer practical exposure to them. The program prepares the students for research and development activities, industrial work as well as for higher studies.

Post Graduate Programs

JIIT has been successfully running M. Tech Programs in (i) Biotechnology, (ii) Electronics & Communication Engineering with specialization in Communication Systems, (iii) Electronics & Communication Engineering with specialization in Micro Electronics Systems & Embedded Technology, (iv) Computer Science and Engineering (CSE), (v) Information Technology and Entrepreneurship, (vi) Computer Science with Specialization in Information Security, (vii) Data Analytics, (viii) Computer Science and Engineering with specialization in Mobile Technology (ix) Materials Science and Engineering (MSE), (x) Applied and Computational Mathematics (ACM) and (xi) MBA.

The objective of the M. Tech Programs is to prepare professionals with advanced knowledge of the respective field who can serve industry, R&D organizations and can take up an academic career, including further studies in a relevant Ph. D Program. The 2-year M. Tech Programs are spread over four semesters.

All M. Tech Programs are designed to cover core/compulsory as well as elective subjects to advance knowledge, ability and skills of the students in their chosen area. Students can take the desired electives from the set of subjects offered from time to time to enable them to cater to their interest and to specialize in a particular field. Dissertation is work spread over the last two semesters with fourth semester fully devoted to dissertation work only, which provides ample opportunity to the student to carry out intensive work on a chosen topic resulting in an innovative and research oriented output. Seminars are included in the Program to develop presentation skills in the students.

(i)   M. Tech (Biotechnology)

The M. Tech program in Biotechnology is designed to generate trained manpower in biotechnology equipping them with knowledge and hands-on skills in cutting edge biotechnological areas as diverse as functional and evolutionary genomics, proteomics, drug target discovery, nutraceuticals, microbial biodiversity/ bioremediation, bioprocess technology, nano-biotechnology, biosensors, product development in biotechnology, and Intellectual property rights(IPR) in biotechnology etc.. The theory courses are supported by hands-on skills through appropriately designed laboratory experiments and further strengthened by mandatory Project Based Learning, Term Paper/Seminar along with a yearlong research project and industrial training.

(ii)   M.Tech (Electronics & Communication Engineering with specialization in Communication Systems)

M.Tech in Electronics and Communication Engineering (ECE) with specialization in Communication Systems (CS) encourages students to develop an in-depth theoretical and practical knowledge of advanced communication systems. Students are trained to develop specialized skill set and knowledge in order to cater the demands of the market. The students are updated about the latest technologies such as advanced wireless and optical technologies (5G), signal processing and machine learning.

The stream also includes advanced concepts of digital signal processing, digital audio, pattern recognition, speech processing and recognition, audio and image compression, medical imaging, digital filtering, detection and estimation, and spectrum analysis. As per the university regulations, a student enrolled in the M.Tech in ECE (CS) is required to complete 68 credits including various core subjects, electives, labs, project based learning, seminars, and Dissertation/Industrial project.

(iii)   M.Tech (Electronics & Communication Engineering with specialization in Micro Electronics Systems & Embedded Technology)

M.Tech. in Microelectronics & Embedded Technology (MET) is a four semester program designed to provide electronics engineers with the highly specialized knowledge and experience that they need to design, fabricate and test devices, circuits and systems at micro scale. The program offers a set of courses that allow students to gain expertise in areas that include back-end and front-end microelectronic designs such as Processor & SoC Design, Chip Design, etc.

The program curriculum is divided into theory, laboratory practice, and projects. Along with the core courses, there are several elective courses, audit courses, project based learning courses and open electives. The Dissertation in the final year enables students to apply concepts and techniques learnt during the program. Keeping in view, latest market trends and needs, the core laboratories for VLSI design and simulation have been established to consider experimental understanding of the specialization in core courses. The aim of the program is to provide students a broad base of education and understanding about the semiconductor industry, enabling them lucrative opportunities in their future endeavors.

(iv)   M. Tech (Computer Science & Engineering)

The curriculum provides advanced level training and exposure in contemporary and emerging areas. The core courses include Data Structures and Algorithms for Big Data, Machine Learning and Data Mining, Cloud and Web based Software Engineering, Performance Evaluation of Computing Systems, Open source focussed Project based Learning and several laboratories. In addition, the students can take 6 electives in various areas. Students' engagement in projects and research is a very important component of this program. The students also have the option of doing industrial project in their final semester.

(v)   M.Tech (CSE with Specialization in Data Analytics)

M.Tech (Data Analytics) is an interdisciplinary program designed to meet the huge manpower shortage in this area. This program develops the ability to apply and develop computational techniques and systems to draw insights from big data in a variety of application domains. The curriculum exposes students with all aspects of data analytics including research design, data collection, preparation, analysis, integration, visualization, and interpretation. The core courses include Cloud based Big Data Systems-I and II, Machine Learning and Data Mining, Empirical Research and Performance Evaluation, Open Data Services focussed Project based Learning and several laboratories. Students are also offered several electives on theoretical, systemic, algorithmic, and applied aspects of data analytics and also the other areas computer science and

engineering. Internship and an industrial project/dissertation are hallmarks of this program.

(vi)   M. Tech (Information Technology and Entrepreneurship)

This two year program, started in 2014, is designed for graduates with good IT background who are interested in pursuing information technology centric entrepreneurship or taking leadership positions in innovative technology-based start ups and other organizations. The curriculum provides a good blend of IT and entrepreneurship management courses like Design, Innovation and Incubation-I and II, Digital Business Marketing, Finance and Law for Digital Businesses, Small Enterprise Automation focussed Project based Learning and   several laboratories. In addition 6 electives in various areas of computing and entrepreneurship are also included.   Internships at IT start-ups and a mentored project to create a prototype and associated business model are hallmarks of this program.

(vii)   M.Tech (CSE with Specialization in Information Security)

The main goal of this program is to provide students with a background, foundation and insight into the many dimensions of information security. This knowledge will serve as basis for further deeper study into selected areas of security and computing as a whole. The course will help the students to understand the need and importance of information security in our increasingly computer-driven world. The course aims for the students to master the key concepts of information security, their working and implementation. The curriculum is designed to develop a "security mindset": learn how to critically analyse situation of computer and network usage from a security perspective, identifying the salient issues, viewpoints, and trade-offs. The program provides high level training to the students which would help them to become information security professionals for the high-end jobs in security in the industry.

(viii) M.Tech (CSE with specialization in Mobile Technology)

M.Tech. Program with specialization in Mobile Technology covers theory and practical concepts required for mobile-based services. The program focuses on developing hands-on skills pertaining to the latest and most popular platforms, e.g. Android, iOS , Windows Mobile, Symbian, etc. The course provides technical expertise in the fields of network architecture, device architecture, application development and testing, web application, software system analysis and design, platform specific application development, user interface designing, location based services, value added services, enterprise applications, security in computing, and stand-alone application development.

(ix)   M. Tech (Materials Science and Engineering)

With the aim of imparting advance level training in the specialized and emerging areas of Materials Science and Engineering, M. Tech. program of the department is carefully designed to cater the needs of industries and R & D related activities. Through this program, students are not only provided strong foundation in the fundamentals of structures, properties, processing and characterization of materials but also the capability and skill of students to design tailor made materials and fabricate devices for specific technological applications.

(x)   M. Tech (Applied and Computational Mathematics)

The global need of researchers, scientists and engineers trained with advanced computational skills are on higher demands in this age of information technology and digitization. M. Tech. program in Applied and Computational Mathematics was introduced in the year 2008 in the Department of Mathematics with the objectives of providing a rigorous training and an environment for rich mathematical experience for the development of analytical and logical thinking and problem solving abilities among the students. The students of the program are equipped with advanced computing methods, simulation and modelling and in depth knowledge of the emerging topics in applied and computational mathematics enabling them to deal with the problems faced by industry and other sectors.

(xi)   The MBA Program

The two years full time MBA programme is the flagship programme of the business school. In the first year, the students are offered the foundation courses in management as compulsory courses. In the second year a student is required to complete elective courses from functional and sectoral domains, along with few core courses of integrative nature. In addition these courses students are required to complete social and corporate internships and clear comprehensive viva-voce.

Doctoral Programs (PhD)

The award of the PhD degree by the University is in recognition of high academic achievements demonstrated by independent research and application of knowledge to the solution of technical and scientific problems. Creative and productive inquiry is the basic requirement underlying research work. They may also be required to take part in some advanced level course work. The scholars are required to take up intensive research work under the guidance of a supervisor on a specific problem for a minimum of two to three years in this program. The research work is expected to result in new findings contributing to the knowledge advancement in the chosen field. The doctoral research program of JIIT gives an opportunity to students to demonstrate their analytical, innovative and independent thinking leading to creativity and application of knowledge. The scholars are required to deliver seminars on their research progress regularly and publish their work. Finally, they are required to submit the thesis embodying their research findings for the awarding of the Ph.D. degree.

(i)   Biotechnology

The Department of Biotechnology admits students for PhDs in Biotechnology/Bioinformatics through entrance examination and a rigorous interview. Students are offered teaching assistantship during their PhD tenure. The department offers research exposure to students in basic sciences as well as applied translational research under two major thrust areas - Plant and Molecular Biology Group and the Centre for Emerging Diseases. Specific research areas include but are not limited to Drug Discovery, Microbial Biotechnology, Natural Products Research, Plant and Molecular Biology, Bioinformatics, Systems Biology, Genetics and Genomics, Cardiovascular diseases, Viral Host Interactions, Structural biology, Nanobiotechnology, Biosensors, Novel Drug Delivery Systems, Bioprocess engineering and Food Biotechnology.

In addition to institutional support, scholars also secure INSPIRE, DST-WOS, DBT-BIOCARE. Extramural funding is also generated from different funding agencies (DBT, DST, ICMR, AICTE and AYUSH) and industry partners for providing fellowship to scholars to undertake cutting edge research in the various thrust areas.

(ii)   Computer Science and Engineering

The Ph.D. programme offers research training in diversified areas of intelligent systems, machine learning, information retrieval, data mining, computer networks, distributed systems, wireless networks, information security, software engineering, information systems, multimedia computing, HCI,   computer architecture, embedded systems, computing education, etc.

(iii)   Electronics & Communication Engineering

The doctoral research programme gives an opportunity to students to demonstrate their analytical, innovative and independent thinking abilities leading to creativity and application of knowledge. This involves fulfilling specified course credit requirements and a thesis with critical account of the research work carried out in the chosen area.

(iv)   Humanities & Social Sciences

The Department also offers Ph.D. programme in Economics, English, Psychology, Sociology, and other disciplines with an emphasis on inter-disciplinary topics. The Ph. D admissions are done twice every year. The students are required to do course work in their respective subjects. For the fulfilment of its teaching and research goals, the Department has competent faculty members with a high degree of excellence who keep pace with the current developments in their fields of specialization.

(v)   Management

JBS offers Ph.D programme in all functional areas of management. Admission to the Programme is through qualifying either NET / SLET / UGC / CSIR (JRF) or the admission test conducted by the university. Preference is given to the candidates who are willing to register full time, however limited number of candidates may be admitted on part time basis. Full time scholars are paid a monthly stipend.

Each student registered for PhD is assigned a PhD supervisor from amongst the faculty member by respective Department Heads or Director of School, and in addition is also provided with a two member Doctoral Progress Monitoring and Advisory Committee (DPMAC). The programme is quite rigorous as the scholars are expected to undertake stipulated course work and present their progress every 6 months in the Review Seminar before the DPMAC. The scholars are required to take up intensive research work under the guidance of a supervisor on a specific topic for a minimum period as specified in the Ph.D. Program Ordinance. Scholars are expected to secure a minimum of B+ grade in following compulsory courses offered

in a trimester mode. Besides these compulsory courses DPMAC may recommend elective courses deemed necessary.

- Advanced Research Methodology
- Literature Survey & Seminar
- Ethics, Intellectual Property Issues and Plagiarism
- Quantitative Techniques & Software Applications
- Survey Development & Analysis

In this academic year total numbers of Ph.D. scholars were 24 out of which 3 scholars completed their thesis requirements for the award of Ph.D. degree.

(vi) Mathematics

The Department offers doctoral research program in the thrust areas of Fractals and Chaos, Mathematical Analysis; Numerical Analysis and Computational Continuum Mechanics; Statistics, Fuzzy, Information Theory and Operations Research. The Department is involved in these emerging areas of Mathematics which are a good blend of pure and applied mathematics of contemporary importance. Three students have been awarded Ph. D. degree under this program in the current session.

(vii) Physics and Materials Science & Engineering

Ph.D. program of the department is focused majorly in the thrust areas of Advanced Materials and Devices, Photonics, Plasma and Quantum Computing. Specifically major research wok is going on in the field of Functional Nanomaterials, Ferroelectric, Multiferroic, Superconductors and Piezoelectric materials for MEMS applications, Molecular spectroscopy, Solid polymer electrolytes, batteries, Super capacitor electrodes, Energy storage materials Solar cells and LEDs, Renewable and Bio Energy, Materials for Opto-chemical and fluorescence sensors, Molecular modeling and simulations of materials, Quantum dots and Metal-oxide nanostructures, Photonic crystals and devices, Optical fiber sensors, Surface plasmon resonance based sensors, Higher order non-classical states, Quantum cryptography, Quantum gates and circuits, Laser plasma interaction, and Tera-hertz radiation generation.

The department has dedicated Materials synthesis and characterization laboratories equipped with teaching and research infrastructure for PG and Ph.D. students. Currently, 15 full time Ph.D. scholars are working in the department.

ACADEMIC DEPARTMENTS

All teaching & research programs at the University are carried out through the following departments:

Department of Computer Science & Engineering and Information Technology (CSE/IT)

The Department of Computer Science & Engineering and Information Technology is a lively and invigorating academic centre for higher education, research, and innovation in key areas of computing. Major strengths of the department include: 104 well diversified faculty out of which more than fifty percent are Ph.D holders, large number of well diversified courses, high emphasis on learning by doing, very strong alumni network and active engagement in research activity. The vision of the department is to be a centre of excellence that provides high quality education to develop future leaders in all aspects of computing, contributes practically relevant and cutting edge research, and catalyzes IT entrepreneurship. The driving mission for the department is to:

- Conduct high quality education and research in scientific, technological, engineering, mathematical, entrepreneurial, human, educational, and interdisciplinary aspects of computing.

- Graduate world-class computing professionals at the bachelor's, master's, and doctoral levels with imagination and competence to identify and solve significant problems in industry and society through leadership and innovation.

- Engage in academic leadership activities such as development of academic and computational resources and organization of faculty development programs, conferences, workshops etc.

- Collaborate with industry, government, and community to stimulate entrepreneurship and sustainable development through innovative IT solutions.

The department attracts talented students and faculty from all over India. The main endeavour of the department is develop students' technical competence as well as creative and critical thinking ability. The department provides the students with a platform to develop insight to face real life challenges and to come out with innovative technical solutions. The students are trained in theoretical, systemic, as well as applied aspects of contemporary computing. They are frequently evaluated with multiple assignments, hands on exercises, mini projects, surprise tests, group activities and presentations as they progress through the different programs in the department. The department uses a diversified set of pedagogical approaches that includes interactive lectures, case studies, group discussions, etc.

The faculty team consists of more than ninety well qualified and experienced members to facilitate high standard of teaching, learning and evaluation process. These faculty members are also involved in research work attaining research publications in reputed international conferences and journals. The department has active collaboration with University of Florida, Gainesville, USA.

Course Curriculum is continuously improvised by taking inputs from industry experts and eminent academicians and also keeping in mind the upcoming trends. Weekly practical assignments are given to students. Through various active learning experiences in laboratories, students gain more insights into the field of study, develop ability to apply their knowledge to a greater extent, exhibit a greater level of understanding of course material and sharpen their problem solving skills. A lot of emphasis is given to the projects in the curriculum. Students work on various well diversified fields of computer science & engineering and information technology - image processing, artificial intelligence, cloud computing, information security, digital forensics, mobile computing, distributed system, computer network, software engineering, web applications, data mining, etc. Many students also publish papers based on their projects in collaboration with the faculty. Senior students are encouraged to mentor their juniors in lab and project work. All graduates find excellent placements in industry. Many students choose to continue their higher studies at world's top universities. A few students also take up the challenge to set up their own IT start-ups. Many members of our alumni also provide their support by delivering guest lectures, feedback on curriculum, and also mentoring and personal guidance to students.

The department's research engagements include traditional as well as emerging concerns. With more than ninety faculty members including thirty seven with PhD, our faculty strength has been leveraged to ensure that the department is not skewed towards only a few research areas. At present, the research activities of the department investigate the theoretical, systemic, applied, and educational aspects mainly related to the following thrust areas of computing: Multimedia Technology and Applications, Knowledge Based Systems, Artificial Intelligence, Information Retrieval, Machine Learning, Distributed Systems, Computer Networks, Wireless Networks, Web, Mobile Technologies and Information Systems, Cyber Security, Computing Education and Learning Technologies, Computer Architecture & Embedded Systems, Software Engineering. Research engagement in these areas has resulted in publication of hundreds of research papers and completion of hundreds of master's and doctoral theses as well as thousands of student projects in diverse areas.

The research in these broad thrust areas is also supplemented by the activities of the two research centres. Both these centres contribute to our research design as well as course design in all areas of computing. It is planned to redesign the learning outcomes and pedagogy for our courses in view of the insights gained out of these centre's activities.

➤ Facilities including Laboratories

CSE and IT department labs have more than 700 nodes and state of the art IT-infrastructure. These nodes are running on the Windows 2000/Windows XP/Linux platform and are equipped with state of art software. The hardware devices and software are used for both teaching as well as research activities. The department provides adequate hardware facility for building microcontroller based systems and for doing projects in the areas of robotics, augmented reality and human computer interactions as well, at both the campuses. The labs are also equipped with a variety of Multimedia devices and software to provide support for Multimedia based 3D and Image Processing Projects.

Some of the important equipment present in the labs includes Arduino Duemilanove development board (with 8-bit ATmega168) with various sensors, actuator and Communication aids (Bluetooth, Ethernet, Serial, Wi-Fi and Wireless using Zigbee) to carry out research in the area of Automation. We are also equipped with Audio (Piezo Vibration, tone generation and voice synthesis), Visual (LED, Camera and LCD), Touch (Capacitive Sensing, Resistive Sensing), Environmental sensors (Humidity, Temperature, Gas sensors), Light Sensors (IR and LDR), Location (GPS), Motion (3 Axis Accelero Meter), RFID tag readers, Actuators like motors (Full rotation and Half rotation servo motors), KEIL Development Tools (ESA MCB x51, ESA MCB 2100 & KEIL Software), Microsoft Kinect device, and EMOTIVE EPOC EEG NeuroHeadset with Education Edition SDK kit. Use of open source software is highly encouraged for teaching and research. For example, NS2 simulator is used for research in the field of wired as well as wireless computer networks, routing algorithms, protocols, performance evaluations etc. We also have tools like Mathematica 5.2, etc.

Recently an IoT Lab has been setup at both the campuses (Sector-62 and Sector-128). Various lab experiments, projects and research activities can be performed using the available hardware and software resources, viz.

Rasberry Pi, Arduino modules. A wide range of components and integrating devices like motors, GPS modules, Zigbee Modules, FingerPrint Modules, ECG Monitoring Modules, Optical Modules, Audio/Video Modules etc. are available. A wide range of sensors e.g., Humidity, Temperature, Water Proof, Pressure, Light Ultrasonic, Piezo etc are also available.

➢ Faculty activities to include:

Participation by Department faculty in seminars, symposiums, conferences at National and International level.

1. Six faculty members attended "Workshop on Computational Methods for Medical Image Analysis (CMMIA)" during April 18-20, 2019 at Jaypee Institute of Information Technology(JIIT), Sec-62, Noida.

2. Eight faculty members attended "Three Days Workshop on Big Data Systems, Tools, Applications" during December 17-19, 2018 at Jaypee Institute of Information Technology(JIIT), Sec-62, Noida.

3. Four faculty members attended three day National Workshop on "Data Science and Visualization Tools" from 15th -17th Nov, 2018 at Jaypee Institute of Information Technology(JIIT), Sec-128, Noida

4. Dr. Suma Dawn attended "FDP on Genomics and Human Health", organized by the Dept. of Bioinformatics, JIIT, Noida, during 4th – 7th July, 2018.

5. Dr. Suma Dawn attended "One Say Seminar on "Life and works of Prof. M. N. Saha and Prof. S. N. Bose", organized by the Dept. of Physics and Material Sciece, JIIT, Noida, on 15th September, 2018.

6. Dr. Suma Dawn attended "One Day Workshop: Hand-on to Computational Biology for Genomic and Metagenomic Analysis", organized by the Dept. of Bioinformatics, JIIT, Noida, on 12th November, 2018.

7. Four faculty members attended "Intelligent Systems – Techniques and Research Applications"" during Dec 20-22, 2019 at Jaypee Institute of Information Technology(JIIT), Sec-62, Noida

8. Four faculty members attended Faculty Development Programme on "Data Science in the Digital Era" from 9th July - 14th July 2018 at JIIT, Sector-128, Noida.

9. 110 faculty members attended International Conference on Contemporary Computing IC3 2018 from 2nd Aug – 4th Aug 2018 at JIIT, Sector-62, Noida.

10. Anurag Goel attended three day Workshop on Qualitative Research Techniques from 6th Sep – 8th Sep 2018 at JIIT, Sector-62, Noida.

11. Three faculty members attended two day Workshop on Current Aspects of Research Evaluation and Plagiarism from 30th Nov – 1st Dec 2018 at JIIT, Sector-128, Noida.

12. Two faculty members attended two day Workshop on AI and IoT: Lead the Age of Sensor Technology from 17th Dec – 18th Dec 2018 at JIIT, Sector-128, Noida.

13. Anurag Goel attended Workshop on AI for Computational Social Systems on 2nd Feb 2019 at IIIT, Delhi.

14. Anurag Goel attended two day Workshop on Emerging Computational Methods for Science and Engineering Applications from 15th Mar – 16th Mar 2019 at JIIT, Sector-128, Noida.

15. Two faculty members attended one Week FDP on Advances in Network Modeling and Optimization Techniques (ANMOT-2019) held during 03- 08 June, 2019 at JIIT, Noida, India.

16. Two faculty members attended one day Workshop on Scilab held on 4th May, 2019 at JIIT, Noida (sponsored by IIT Bombay/MHRD).

17. Four faculty members attended two day Workshop on Computational Intelligence (NWCI 2019) organized by JIIT, Noida. (26 April-27 April, 2019)

18. Two faculty members attended five day QIP/CEP Short Term Course on Brain Science and Technology: Tools and Techniques to understand the Human Brain from IIT, Delhi. (02-06 March, 2019)

19. Shruti Jaiswal attended and presented a paper titled "Security Validation of Cloud Based Storage" in 3rd International Conference on Advances in Computing and Data Sciences (ICACDS 2019), 12-13 April 2019

20. Dr. Shikha Mehta attended 3 days International Conference on Translation Across Cultures: Dissolving Boundaries-Creating Harmony, organized by department of Humanities and Social Sciences, held from Oct 4-6, 2018.

21. Dr. Shikha Mehta attended two day workshop on "Outcome base Education" ,organized by Dept of Comp. Science Engineering, JIIT, Noida from 18-19 September, 2018.

22. Nine faculty members attended " Two Days Workshop on IoT Systems, Tools and Applications" during March 15-16, 2019 at Jaypee Institute of Information Technology(JIIT), Sec-62, Noida

23. K Vimal Kumar attended "International Conference on Computational Linguistics and Intelligent Text Processing (CICLING-2019)" during April 7-13, 2019 at University of La Rochelle, La Rochelle, France.

24. Sonal Attended one week FDP on "Re-Imagining Computing: Engineering Research and Education" organized by Dept. of CSE and IT, JIIT, Noida on 04th-10th July, 2018.

25. Raju Pal participated in International conference on "Computers & Managem ent" on December 22-23, 2018 held at G. B. Pant Govt. Engineering College, Delhi..

Invited Talks by Faculty:

1. Dr.Parmeet Kaur delivered a talk on"Vulnerabilities and Threats to Big Data Security" on 07 August 2018, in special training programme on Computer and Information Security at Defence Research and Development Organization, DRDO, New Delhi

2. Dr.Parmeet Kaur delivered a talk on "NoSQL and Big Data Analytics" in FDP on "Latest Trends of Research in Machine Learning, Data analytics and Image Processing (10-14 Dec'18), Jagan Institute of Management Studies, JIMS, New Delhi

3. Dr.Parmeet Kaur delivered a talk and conducted a hands-on session on "Big Data Analytics with NoSQL" in FDP on "Latest Trends of Research in Machine Learning, Data analytics and Image Processing (10-14 Dec'18), Jagan Institute of Management Studies, JIMS, New Delhi

4. Dr.Parmeet Kaur delivered a talk and conducted a hands-on session on "Machine Learning and NoSQL" in FDP on "Latest Trends of Research in Machine Learning, Data analytics and Image Processing (10-14 Dec'18), Jagan Institute of Management Studies, JIMS, New Delhi

5. Dr.Parul Agarwal delivered a talk and conducted a hands-on session in a two day workshop on "Natural Langauge Processing" organized by Dept. Of Computer Science, Deen Dayal Upadhaya College, University of Delhi on 13th and 14th Feb, 2019.

6. Dr.Sangeeta Mittal delivered a lecture titled "Security Issues in Internet of Things (IoT)" on 13th Dec, 2018 in AICTE-ISTE Sponsored Induction Program on Emerging Trends in Wireless Communication" scheduled from 10th December to 15th December, 2018 at Greater Noida Institute of Technology, Greater Noida

7. Dr.Anuja Arora delivered a talk on " Innovation and Trends in Computational Intelligence" on 26th December 2018 at Apaji Institute of Mathmatics and Applied Computer Technology, Banasthali University, bansthali

8. Himanshu Mittal delivered an expert lecture on "Report Writing using LaTeX ", at Department of Computer Science & Engineering, Modern Institute of Technology & Research Centre, Alwar, India, 11-13 December, 2018.

9. Himanshu Mittal delivered an expert lecture on "Handling references using LaTeX ", at Department of Mathematics, B K Birla Institute of Engineering &Technology, Pilani, Rajasthan, India, September 07, 2018.

10. Himanshu Mittal delivered an expert lecture on"Report Writing using LaTeX ", at Department of Computer Science & Engineering, Srinathji Institute of Technology & Engineering , Nathdwara, India, September 09, 2018.

11. Himanshu Mittal delivered an expert lecture on "Biogeography-based Optimization ", at Department of Electronics and Communication Engineering, Govt. Engineering College, Ajmer, India, 23-24 July, 2018.

12. Ashish Kumar Tripathi delivered expert lecture on"Writing Research papers using LaTeX" at Global Institute of Technology, Jaipur, from 21st to 25th May, 2018.

13. Ashish Kumar Tripathi delivered a talk on"Machine Learning for Big Data" in a FDP on machine learning, Deep learning and AI (TEQIP-III sponsored) held at charted Institute of Technology (CIT) abu road, during 25-29 March 2018.

14. Ashish Kumar Tripathi delivered an expert lecture on"Writing Research Paper Using Latex" at GIT, Jaipur, Rajasthan on 21st to 23rd May 2018.

15. Ashish Kumar Tripathi delivered an expert lecture on"Practical Exposures on Image Processing" at Arya Institute of Engineering and Technology Jaipur, from 5th to 9th June 2018.

16. Ashish Kumar Tripathi delivered an expert lecture on"Latex &Matlab for Beginners" at Modern Institute of Technology and Research CenterAlwar, from 9th to 12th December 2018.

17. Raju Pal delivered an expert lecture on"Handling references using LaTeX", at Department of Mathematics, B K Birla Institute of Engineering &Technology, Pilani, Rajasthan, India, September 07, 2018.

18. Raju Pal delivered an expert lecture on "Report Writing usingLaTeX", at Department of Computer Science & Engineering, Modern Institute of Technology & Research Centre, Alwar, India, 11-13 December, 2018.

19. Raju Pal delivered an expert lecture on "Report Writing usingLaTeX", at Department of Computer Science & Engineering, Srinathji Institute of Technology & Engineering , Nathdwara, India, September 09, 2018.

20. Raju Pal delivered an expert lecture on "Biogeography-based Optimization", at Department of Electronics and Communication Engineering, Govt. Engineering College, Ajmer, India, 23-24 July, 2018.

21. Dr. Mukesh Saraswat delivered an expert lecture on "Deep Learning", at Deptt of Computer Science, University of Delhi, New Delhi, India, 28 February, 2019.

22. Dr. Mukesh Saraswat delivered an expert lecture on "Introduction to LATEX", at Department of Computer Science & Engineering, Compucom Institute of Technology and Management, Jaipur, India, 15 November, 2018.

23. Dr.MukeshSaraswat delivered an expert lecture on "Deep Learning techniques", at Department of Computer Science & Engineering, Nathdwar Institute of Engineering & Technology, Nathdwar, India, 07-09 September, 2018.

24. Dr. Mukesh Saraswat delivered an expert lecture on "Introduction to Deep Learning with TensorFlow", at BharatiVidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi, India, 27 July, 2018.

25. Dr. Mukesh Saraswat delivered an expert lecture on "Artificial Bee Colony Algorithm", at Department of Electronics and Communication Engineering, Govt. Engineering College, Ajmer, India, 23-24 July, 2018.

26. Dr. Mukesh Saraswat delivered a speech on "Current Era of Deep Learning", at Arya College of Engineering & IT, jaipur, 09 July, 2019.

27. Dr.Mukesh Saraswat delivered an expert lecture on "Deep learning using TemsorFlow", Rajasthan Institute of Engineering and Technology (RIET), Jaipur, 24-26 June, 2019.

28. Dr.MukeshSaraswat delivered an expert lecture on "Introduction to MATLAB", at Department of Computer Science & Engineering, Modern Institute of Technology & Research Centre, Alwar, India, 09-11 December, 2018.

29. Dr.Shikha Mehta delivered an expert lecture on "Social media Analytics", at Annual IT Fest "TechMelange" 2018 in Shaheed Rajguru College of Applied Science for Women on 12th October , 2018.

30. Dr.Shikha Mehta took a session on "Machine Learning(Decision tree, K-means clustering and Reinforcement Learning with Python" in five day faculty development program organized by IT department , NIET sponsored by AKTU Lucknow at NIET Greater Noida under TEQIP-III program from May 27-May 31, 2019.

31. Dr.Shikha Mehta took a session on "Natural Language Processing " in two day workshop on "Natural Language Processing", organized by Dept. of Comp. Sc., Deen Dayal Upadhyaya College University of Delhi, Delhi, From February 13-14, 2019.

32. Dr.Shikha Mehta delivered an expert lecture on "Social Network analysis using Nature Inspired Algorithms", at 3 days National Symposium on Intelligent Systems Techniques and its Research Applications from December 20-22, 2018 at JIIT, Noida.

Guest speakers, seminars, talks, workshops and conferences:

1. **2018 Eleventh International Conference on Contemporary Computing (IC3) from 2-4 August 2018**
Funding Agencies: JIIT and University of Florida, Gainesville, USA.

   The conference focused on topics of contemporary interest to computer and computational scientists and engineers. IC3-2018 brought together researchers and practitioners from academia, industry

and government to deliberate upon the algorithmic, systemic, applied, and educational aspects of contemporary computing. The conference focused on issues of contemporary interest in computing, spanning systems, Algorithms, applications, Industry & Education

2. **College to Corporate from 6th September - 8th November 2018**

   Funding Agency : IIT, Bombay

3. **National Workshop on Data Science and Visualization Tools from 15-17 November, 2018**

   Funding Agency : JIIT

   The objective of this workshop was to provide an opportunity to the participants from academia and industry to disseminate and share knowledge with the goal of enhancing their understanding of the tools and techniques used for Data Science and Visualization Tools. The workshop was supposed to help participants in devising strategies for addressing real life problems.

4. **Big Data Systems, Tools and Applications from 17-19 Dec 2018**

   Funding Agency : JIIT

   The objective of this workshop was to provide an opportunity for researchers and practitioners from academia and industry to gain insights into the developments along with the existing research challenges in this domain, as well as a practical exposure to effective big data systems, tools and related applications.

5. **Intelligent Systems Techniques and its Research Applications, 3 Days - 3 domains: Insights, Research Scope and Hands-on sessions from December 20-22, 2018.**

   Funding Agency : JIIT

   The 3 Days symposium was organized for faculty of engineering and technological institutions. It was also open to persons from industry and doctoral/M.Tech students. The objective was to provide an exposure in "Intelligent Systems Techniques and its Research Applications" through interaction with experts in different domains of research in Intelligent Systems. The technical program included state-of-the-art lectures, discussion/presentation sessions, specifically focused on Insights, Research Scope and Hands-on sessions in the area of Intelligent Systems

6. **Sustainable Computing in Science, Technology & Management (SUSCOM)-2019 from 26-28 Feb 2019**

   Funding Agency : Amity University, Jaipur (Elsevier)

7. **IoT: Systems, Tools and Applications from 15-16 March, 2019**

   Funding Agency : JIIT

   The objective of this workshop was to provide an opportunity for researchers and practitioners from academia and industry to gain insights into the developments along with the existing research challenges in this domain, as well as a practical exposure to effective IoT systems, tools and related applications. Resource persons will be eminent IoT experts from industry and academia.

8. **National Workshop on Computational Intelligence from 26-27 April, 2019**

   Funding Agency : Technical Sponsored by Soft Computing Research Society

   The primary aim of this workshop is to educate the participants about the fundamentals of evolutionary algorithms, swarm optimization techniques, and multi-objective optimization techniques by using hands-on practice on various real world applications. The workshop will be delivered with practical approaches to convey information more effectively and enable the visualization and application of computational intelligence in engineering domain.

9. **One day Workshop Scilab on 4th May 2019**

   Funding Agency : MHRD, Govt. of India, IIT Bombay

10. **FDP on Advances in Network Modeling and Optimization Techniques (ANMOT-2019) from 3-8 June 2019**

    Funding Agency : JIIT

11. **Summer School on Intelligent Internet of Things from 24 June- 6 July**

    Funding Agency : JIIT

➤ Student Enrichment Programmes

Department has several technical hubs that organize special lectures/workshops and seminars on regular basis. The main hubs working in department for student's enrichment are: (a) Knuth – The Programming Hub (b) Microcontroller Based System and Robotics Hub (uCR) (c) Multimedia Development (d) Graphic Design and Animation. Details of student enrichment programmes conducted are given :

S. No	Special lectures/ workshops/ seminar	Guest - Name	Affiliation / Organization	No of participants	Dates
1	Special Lecture on Visual and Graphics Designing	Prof. Sameer Sahasrabudhe	Symboiosis International University	10	20 Mar 2019
2	Adobe Illustrator Hub Workshop (Graficas Hub)	Student Mentors - Akansha	JIIT, Noida	32	06 Mar 2019
3	IOT Workshop	Jaspreet Makkar	Former Student , We Do sky, Delhi Based startup	35	17 Aug 2018 - 24 Aug 2018
4	Manual Workshop	Jaspreet Makkar	Former Student , We Do sky, Delhi Based startup	100	14 Sep 2018 - 25 Sep 2018
5	El-Asesino	Jaspreet Makkar	Former Student , We Do sky, Delhi Based startup	95	04 Oct 2018 - 05 Oct 2018
6	Raspberry Pi Workshop	Jaspreet Makkar	Former Student , We Do sky, Delhi Based startup	10	08 Nov 2018 - 15Nov 2018
7	Autonomous Workshop	Jaspreet Makkar	Former Student , We Do sky, Delhi Based startup	100	15 Jan 2019 - 30 Jan 2019
8.	Brazileiro	Jaspreet Makkar	Former Student , We Do sky, Delhi Based startup	100	23 Feb 2019
9.	Robo en Rio	Jaspreet Makkar	Former Student , We Do sky, Delhi Based startup	60	23 Feb 2019
10.	Fuga Cacador	Jaspreet Makkar	Former Student , We Do sky, Delhi Based startup	100	23 Feb 2019
11.	Inovacao	Jaspreet Makkar	Former Student , We Do sky, Delhi Based startup	30	23 Feb 2019
12.	Robotics Project Exhibition	Jaspreet Makkar	Former Student , We Do sky, Delhi Based startup	50	20 Apr 2019
13.	Virtual Reality	Mr. Gautam Tiwari	CEO and Co-founder of SmartVizx	80	10 Oct 2018
14.	Agile methodology	Bakshi	Project Manager at Tavant Technology	65	1 Nov 2018

Cyber Srishti 2019 - A Two Day Technical Festival" was conducted on 20th and 21st April 2019. It was a two day annual tech-fest in which several technical events had been organised by various Technical Hubs of the Institute. The chief guest of Cyber Srishti 2019 was Mr. SBS Chakradhari, Associate Director and Delivery Partner at Cognizant Technology Solutions Besides them, many dignitaries from industries were invited to witness the events organised in the tech-fest. These dignitaries include, Mr Ranjit Sinha (Director, Head of Campus Program, Ericsson), Mr. Alok Kumar Mubai (Asst. Vice President-Learning & Development; IndiaMART InterMESH Limited), Mr. Vadapalli Mrutyunjay (Human Resources - Talent Acquisition, Cognizant Technology Solutions). Several technical events were conducted during two days tech-fest. These events majorly include: Project Exhibition, Hackathon (Capture the Flag, Game-A-Thon), Coding Challenge (Execute 19.1), Hardware Events (Robotics Exhibition and Circuitrix), Bio-Tech Events (Hydrophilic 4.0, Who' the next Sherlock, and Make your Masterpiece), Paper Presentation (Tensor (Poster Presentation) and Paper Presentation), Start-up Summit, Reflect - Turncoat Debate, Website Designing, Photo Exhibition, Jaypee Premier League, etc. Around 2000 participations had been observed in different rounds of various events. Besides technical events, audience had also witnessed the performance of stand-up comedian Abhishek Walia and the talk show with Vikas Saxena, Shamim Akhter, and Manish K Thakur.

➢ Visit of various dignitaries to the departments

1. Rakesh Agrawal, President and Founder, Data Insights Laboratories, San Jose delivered a talk on "Optimality of Stratified democracy for knowledge seeking societies" on 02 August 2018.

2. Prof. Dinesh K. Pai, University of British Columbia, Canada delivered a talk on "Digital Humans: Science and Simulation" on 02 August 2018.

3. Prof. Sandeep Shukla, IIT Kanpur, India delivered a talk on "Cyber Space: The Next Frontier" on 02 August 2018.

4. Prof. Shamkant B. Navathe, Georgia Institute of Technology, Atlanta delivered a talk on "Perspectives on Database Systems and Research: the last five decades" on 03 August 2018.

5. Prof. Laxmikant V. Kale, University of Illinois at Urbana-Champaign, USA delivered a talk on "Extreme Scale Computing for Computational Science and Engineering" on 03 August 2018.

6. Prof. Subhash Bhalla, IIT Delhi, India delivered a talk on "Extending Blockchains in Computing and Systems" on 03 August 2018.

7. Prof. Atal Chaudhuri, Jadavpur University, delivered a talk on "Quantum Gates and Quantum Dot Cellular Automata - Nano Approach for Future Green Computing" on 03rd August 2018.

8. Prof. Sudip Misra, IIT Kharagpur, India delivered a talk on "Internet of Things: Enabling Cross-domain Convergence and Innovation" on 04 August 2018.

9. Mr. Gautam Tiwari, CEO and Co-founder of SmartVizx, delivered a talk on "Virtual Reality" on 10th Oct 2018.

10. Mr. Bakshi, Project Manager at Tavant Technology, delivered a talk on "Agile Methodology" on 1st November 2018.

11. Dr. Deepti Mishra, GLBITM , Ishita Arrora, AIACTR, govt of NCT, Delhi , delivered a talk in "National Workshop on Data Science and Visualization Tools" from 15-17 November, 2018.

12. Prof R K Agrawal, JNU New Delhi, Ms Shreya Khare, IBM Research Bengaluru, delivered a talk in "Big Data Systems, Tools and Applications" from 17-19 Dec 2018.

13. Prof. Vikram Goyal, IIIT, Delhi, Mr. Siddharth Mutreja, Kaspersky Labs, Gurgaon, Mr. Gaurav Piplani, Excel Technologies, Noida, delivered a talk in "IoT: Systems, Tools and Applications" from 15-16 March, 2019.

14. Prof. Sameer Sahasrabudhe, Symboiosis International University, delivered a talk on "Visual and Graphics Designing" on 20 April 2019.

15. Dr. Vishal Gupta, Associate Professor, Ambedkar Institute of Advanced Communication Technologies, New Delhi, delivered a talk in "FDP on Advances in Network Modeling and Optimization Techniques (ANMOT-2019)" from 3-8 June 2019.

16. Divya Pandey(BHU Vanarasi),;Aditya Tandon (Amity University); Vivek Kumar (Glagotias University), Nikhil Sharma(JIIT), delivered a talk in "Summer School on Intelligent Internet of Things" from 24 June- 6 July 2019.

➢ Any other achievements :

- CSE/IT Faculty published 138 Scopus indexed and 22 Web of Science indexed papers during last year with total citation count of last 4 years (Google scholar) going upto 1504. Some of our research has been cited by the researchers at world's top 100 universities, e.g., MIT, University of Oxford, Purdue University, Tsinghua University, University of Maryland, Dartmouth College, etc.

- 16 PhDs were completed during last year.

➤ Any other achievements :

- **Faculty**

Sr. No.	Faculty/Awards
1.	Adwitiya Sinha/ IEEE Senior Membership Awarded by IEEE, NY, USA, Membership Number: 93529195
2.	Anuja Arora/ IEEE Senior Membership Awarded by IEEE, NY, USA, Membership Number: 90804799
3.	Anuja Arora/Outstanding Contribution in Reviewing Award June 2018 for International Journal of Information Management, Elsevier
4.	Anuja Arora/Outstanding Contribution in Reviewing Award October 2018 for Computers in Human Behavior, Elsevier
5.	Anuja Arora/ Outstanding Contribution in Reviewing Award June 2018 for Journal of retailing and Consumer Services, Elsevier
6.	Dr. Shikha Mehta/ Second best paper award for paper titled " Multilingual Short Text Identification- a machine Learning Approach, International Conference on Translation Across Cultures: Dissolving Boundaries- Creating Harmony, organized by department of Humanities and Social Sciences, held from Oct 4-6, 2018,JIIT, Noida

- **Students**

S.NO	NAME OF EVENT	WINNERS	POSITION	COLLEGE
1	TalentSprint WE (Women Engineers) Program	Tripti Naithani	Rs 1 lakh	Google
2	TalentSprint WE (Women Engineers) Program	Meetanshi Mittal	Rs 1 lakh	Google
3	Google Summer of Code (GSoC)	Siddhant Trivedi	5500$	Google
4	Google Summer of Code (GSoC)	Anubhav Sinha	5500$	Google
5	Google Summer of Code (GSoC)	Keshav Bathla	5500$	Google
6	Smart India Hackathon (SIH)	Ankit Khandelwal, Uphaar Dubey, Arvind Pj, Prateek Kumar, Yashika Aggarwal & Aakarsha	First, Rs. 1,00,000	Smart India Hackathon (SIH)
7	Smart India Hackathon (SIH)	Ashish Bhawnani, Rahul Chauhan, Brijesh Saraswat, Akash Kumar Rana, Nipun Binjola & Shubhangi Misra	First, Rs. 1,00,000	Smart India Hackathon (SIH)
8	Smart India Hackathon (SIH)	Neel Ratan Mani Kukreti, Yugandhar Tripathi, Sanjana Jain, Utkarsh Kashyap, Tanvi Thakur & Anurag Gupta	First, Rs. 75,000	Smart India Hackathon (SIH)
9	Smart India Hackathon (SIH)	Udbhav Gambhir, Karishma Agarwal, Shubham Shukla, Divyam Raj, Shubham Kumar & Shivam Bang	First, Rs. 50,000	Smart India Hackathon (SIH)

Department of Electronics & Communication Engineering (ECE)

TTo keep pace with the rapidly evolving electronics industry requires unwavering passion and urge to innovate. This, precisely, is what the Electronics and Communication Engineering (ECE) Department at JIIT is about. Electronics and Communication Engineering discipline spans a diverse set of intellectual subfields and applications. The subfields can be grouped into overlapping and interrelated areas like Signal and Image Processing, Semiconductor Device Design, Communication Systems, Data Communication Networks, Microwave and Antenna Design, Internet of Things, Wireless Communication, Microelectronics, Embedded Systems, VLSI Design, and many more.

The department is having a team of highly motivated faculty having extensive experience in industry, research as well as teaching. Our strength is a reflection of their skills, innovation and drive. Presently, ECE Department has total faculty strength of 78, which includes 2 Professor, 16 Associate Professors and 60 Assistant Professors. Most of the faculty members have completed their Ph.D degrees/Master degrees from IIT's, IIIT's and other reputed universities.

Faculty members along with students are actively involved in research and projects in thrust areas such as VLSI design, Telecommunication, 4G& 5G Cellular Technologies, Communication Channel Modeling, Free Space Optical Communication, Integrated Antennas, Cognitive Radio, Signal Denoising, Device Modeling, Digital Filter Design and Applications, Digital System Testing, Analog IC Design, VLSI-DSP Architecture, Semiconductor Memories, Embedded System Applications etc. They are also encouraged to foray into interdisciplinary courses such as Medical Imaging, Renewable Energy, Smart Grid, Pattern Recognition, Biometric, Image Forensics, Big Data, and Robotics etc., ranging from practical implementation to theoretical investigations. The department regularly conducts a series of Workshops and Faculty Development Programs to keep the faculty and students updated with recent trends in electronics and communication engineering.

➤ Facilities Including Labs

The ECE program provides students with broad-based fundamental knowledge to enable them to go further in any of their chosen field, and also to allow them to specialize in rapidly developing new technologies. Laboratory work is given utmost importance in the department. All the laboratories are equipped with sufficient instruments and software tools to enable the students to perform design oriented experiments and test their designs by computer simulations. Different laboratories set up by the department are:

- Basic Electronics Lab
- Electronic Devices and Circuits Lab
- Electrical Machine and Instrumentation Lab
- Communication System Lab
- Advanced Communication lab
- Embedded System Lab
- VLSI/VHDL Lab
- B.Tech Project Lab
- VLSI Design Automation Lab (PG Lab 2)
- Modelling and Simulation Lab (PG Lab 1)

- IOT Lab
- Machine Learning Lab
- Signal Processing Lab
- MEMS Lab-I & MEMS Lab-II

Important additions made in Labs

S. No.	Lab	Instruments		
1	Machine Learning Lab	Dell Precision Workstation (Model no -T5820)		
2	Modelling & Simulation Lab	USRP N210 KIT		
3	B. Tech. Project Lab	OptiSystem Version 15.2		
4	VLSI Design Automation Lab	[1]COMSOL Multiphysics , Single User CPU – locked Licence (CPU), for one(1) Computer . SAC code 997331 This licence is for academic use only., License Number 16078495.,,		
		[2] MEMS Module for use with COMSOL Multiphysics ,Single User CPU – locked Licence (CPU), for one(1) Computer . SAC code 997331 This licence is for academic use only., License Number 16078495.,,		
5	Engineering Workshop	Tool grinder		
		Pillar drill machine		
		Centre lathe machine		
		Shaper machine		
		Vertical milling machine		
		Surface grinding machine		
		Welding machine		
		Wood working lathe machine		
		Plastic moulding machine		
		Muffle furnace		
		Anvil (50 kg)		
		Portable hand drilling machine		
		Portable hand grinder		
		Portable metal cutting machine		
6	Robotics Lab	**EQUIPMENT**		**Qty**
		FireBird V 2560		4
		Spark V Robot		5
		FireBird V P89V51RD2 adapter card		4
		FireBird V LPC2148 adapter card		4
		P89V51RD2 Development Board		2
		Raspberry-Pi 3		1
		Micro SD card (16 GB)		1
		USB Adapter 2A		
		NRF24L01		2
		Zigbee Modules 100m range		6
		Zigbee Modules Adapter		6
		Metal-gear Servo Motors		10
		Servo Motor Based Gripper Kit for the Fire Bird V Robot		2
		Sharp GP2Y0A21YK0F infrared range sensor (10cm to 80cm)		5

S. No.		Award:- FireBird ATMEGA V 2560	3
7	Research/Project Lab(ECE)	Synopsys EDA Tools	1 user
		Dell Precision T5820 Workstation	2
8	Electromagnetic Lab	Microwave Site Master S820E,1MHz -30 GHz	1

➢ Faculty activities to include:

Workshops and Conferences Attended

S. No.	Name Of Conference/ Workshop/Seminar Attended	Date	Total ECE Faculty Participated	Organized By
1	FDP On Recent Trends In Signal Processing, Microelectronics And Microwave	5th-11th July, 2018	29	ECE
2	FDP on "Genomics & Human Health" at JIIT Noida, Dept. of Bio Technology	2nd to 7th July, 2018	1	BioTech
3	FDP on "Modern RF & Optical wireless Communication Systems"	9th – 14th July 2018	19	ECE
4	6th International Conference on Signal Processing and Integrated Networks,	7th-8th March, 2019	1	Amity Noida, Amity University, Noida
5	Two Days Workshop on IoT: Systems, Tools and Applications",	15-16th March, 2019	2	CSE
6	FDP organised on "Mathematical and Statistical Computations".	9th July-14th July, 2018	2	Maths
7	Workshop on "Computational Methods for Medical Image Analysis"	18-20 April, 2019	5	CSE
8	Conference " CONSILIO 19"	8-9 June, 2019	1	CSE Department of MGM COET , NOIDA.
9	Workshop on "Photonic Design and Simulation using OptiSystem"	13th November, 2018	12	ECE
10	One day Seminar on Life and Works of Prof. M. N. Saha and Prof. S. N. Bose,.	15 September, 2018	3	PMSE and NASI
11	FDP on "Recent trends in optics and plasma physics",	5th -11th July, 2018	2	PMSE
12	One day demo session on TCAD Sentaurus Software, VLSI Lab, JIIT Noida Sector 62	9th July, 2018	2	ECE
13	One-day invited talk on CNT for Printed Electronics Applications	26th October, 2018	40	ECE

S. No.	Name Of Conference/ Workshop/Seminar Attended	Date	Total ECE Faculty Participated	Organized By
14	Short Term Course on "Recent Advances in Signal and Image Processing (RASIP-2019)"	24th -28th June, 2019	1	ECE Dept, JUIT, Waknaghat, Solan, HP.
15	2019 International Conference on Photonics Materials and plasmonics (PMP 2019)	14th - 16th February, 2019	2	PMSE
16	Two Days Workshop on IOT Systems,Tools and Application	15 and 16 march, 2019	1	CSE
17	4th International Conference on Next Generation Computing Technology (NGCT 2018)	21th -22th November, 2018	1	School of computer science , university of petroleum &Enery studies, Dehradun
18	5th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON-2018)	2-4 November 2018	1	MMTU Gorakhpur, UP
19	International conference on Renewable Energy and Sustainable Climate "SOLARIS 2019"	7th-9th February , 2019	1	JMI, New Delhi
20	Two days workshop on "IOT system, Tool and Applications"	15th-16th March, 2019	2	CSE
21	Workshop On Design And Simulation Of Microwave Devices And Circuits	7th-8th September, 2018	33	ECE
22	Workshop On Contemporary Physics: Light Phenomenon And Applications	11th-12th December, 2018	9	Physics
23	AI And Iot: Lead The Age Of Sensor Technology	17th To 18th December, 2018	26	ECE
24	Workshop On Recent Trends In Nanotechnology: Devices And Materials Perspective	15th-16th February, 2019	27	ECE
25	International Conference On Signal Processing And Communication	7th-9th March, 2019	80	ECE
26	Emerging Computational Methods For Science And Engineering	15th To 16th March, 2019	7	Mathematics
27	Two Days National Workshop On Current Aspects Of Research Evaluation And Plagiarism	30th November- 1st December, 2018	7	Mathematics
28	Three Days National Workshop On Data Science And Visualization Tools	15th-17th November, 2018	6	CSE

S. No.	Name Of Conference/ Workshop/Seminar Attended	Date	Total ECE Faculty Participated	Organized By
29	Two Days Workshop On Introduction To Robotics	2nd-3rd November 2018	2	JIMS Engineering Management Technical Campus Greater Noida Under Supervision Of ERST Lab IIT Bombay, MHRD Initative
30	IEEE MTT-S International Microwave And RF Conference	28th-30th November 2018	1	Kolkata
31	Two Days Workshop On Emerging Computational Methods For Science And Engineering Applications Held	March 15- 16, 2019	8	JIIT-128 Noida
32	Faculty Development Programme On Robotics And AI	24th June- 28th June 2019	3	ECE
33	Six Days FDP On Hardware-Software Codesign On Zynq Soc	18th-23rd December, 2018	1	IIITD
34	IEEE International Conference On Computing Communication And Automation (ICACCCN)	Oct 12-13, 2018	4	Galgotia College of Engineering and Technology, Greater Noida
35	Three Days National Workshop On Data Science And Visualization Tools	15th-17th November, 2018	6	CSE
36	Two Days Workshop On Computational Intelligence (NWCI2019)	26th- 27 Th April 2019	4	CSE
37	National Workshop On Data Science And Visualization Tools	15th-17th November, 2018	6	CSE

Conferences and Workshops Organized

S. No.	Name Of Conference/Workshop /Seminar Organized	Date	Total ECE Faculty Participated	Organized By
1	National Workshop On AI And IOT: Lead The Age Of Sensor Technology	17th-18th December, 2018	26	ECE
2	Faculty Development Programme On Robotics And AI	24th June- 28th June 2019	3	ECE
3	Workshop On Recent Trends In Nanotechnology: Devices And Materials Perspective	15th-16th February 2019	27	ECE
4	FDP On Recent Trends In Signal Processing, Microelectronics And Microwave	5-11 July 2018	29	ECE
5	Workshop On Design And Simulation Of Microwave Devices And Circuits	7th-8th September 2018	33	ECE
6	International Conference On Signal Processing And Communication	7th-9th March 2019	80	ECE
7	Workshop on "Photonic Design and Simulation using OptiSystem"	13th November, 2018	12	ECE
8	FDP on "Modern RF & Optical wireless Communication Systems"	9th – 14th July 2018	19	ECE

Invited Talk in Department

S.No.	Expert Lectures	External Expert(S)	Date
1	Microwave Radiation Hazards And Its Remedy: An Effective Electromagnetic Modeling	Dr. Dharmendra Singh, Profeesor, Department Of Electronics And Communication Engineering, IIT Roorkee, (Uttarakhand) - India	7th September 2018
2	Multiple Input And Multiple Output (MIMO) Antennas For 4G/5G Wireless Communication Systems	Dr. K. V. Srivastava Associate Professor, Department Of Electrical Engineering, IIT Kanpur, (U.P.)- India	8th September 2018
3	Periodic Structures For Gain Enhancement In Printed Antennas	Dr. Mahesh P. Abegaonkar Assistant Professor, Centre For Applied Research In Electronics Indian Institute Of Technology Delhi	8th September 2018
4	AI And Deep Neural Network	Dr. Nidhi Goel, Associate Professor, Department Of Electronics And Communication Engineering Department At Indira Gandhi Delhi Technical University, New Delhi	17th December 2018
5	Sensor Networking, Iot Standards, Protocols, And Platform.	Mr. Rajeev Karothia, Assistant Manager R&D-Embedded & Iot, Scientech Technologies Pvt. Ltd. Indore, Madhya Pradesh	17th December 2018
6	Artificial Intelligence In Cyber Security	Dr. Kuldeep Singh, Senior Scientist With The Central Research Lab, Bharat Electronics Ltd., Ministry Of Defense	18th December 2018
7	Metasurfaces And Their Application	Prof. Zhengbiao Ouyang, Shenzen University, China	15th Feburary 2019
8	Nanomaterials And Synthesis	Dr. Bratindranath Mukherjee, IIT BHU, Varanasi	15th Feburary 2019
9	Current Modelling In Multigate Mosfets	Dr. Pramod Kumar Tiwari, IIT Patna	15th Feburary 2019
10	Metal Oxide Nanostructure Based Schottky Diodes For Gas And UV Detections	Prof. Satyabrata Jit, IIT BHU, Varanasi	16th Feburary 2019
11	One-day invited talk on CNT for Printed Electronics Applications	Prof. Aaron Franklin, Duke University	26th October, 2018

Department of Biotechnology

The Department of Biotechnology at JIIT, NOIDA, established in 2002, remains committed to provide research-informed teaching and learning, and vibrant R & D environment. All the faculty members are highly qualified and have completed their PhD and Post doctorate from reputed organizations of India and abroad. Faculty with rich research exposure in academia and industry both in India and abroad, further strengthens the various programs (B.Tech, Dual degree, Masters, Doctoral) offered by the department in Biotechnology.

The biotechnology scope is never ending as the power to alter life has just seen its beginning. The field of biotechnology is steadily growing in India. Biotech industry achieves record (15 %) growth in 2012-13. In response to continuously evolving technology and industry needs, curriculum is designed to impart skill sets enabling adaptation to academia, research, and industry.The curriculum provides engineering interface and integrates core subject area knowledge with professional development; focusing on entrepreneurship, analytical and research skills. The research emphasis is reflected in the active doctoral program (46 students pursuing PhD and 27 completed), publications in international/national journals, and sponsored research projects totaling approximately INR-9.44 Crores from premier national funding agencies namely, the Department of Biotechnology (DBT), the Department of Science and Technology (DST), All India Council for Technical Education (AICTE), Indian Council for Medical Research (ICMR) and Department of AYUSH. Interaction with leading scientists from academia and industry through invited lectures, workshops and conferences ensures all-round development of the students.

The department organizes periodically international conferences, national conference, workshops bringing to fore latest developments in the field of biotechnology research. Interaction with leading scientists from academia and industry through such conferences along with guest/invited lectures, and interactive meets with alumni ensures all-round development of the students. Faculties at the department are also coordinating various hubs namely The Department faculty are also coordinating other hubs namely Ribose,Ecoquence, Adwitya, Crescendo, Expressions, Jhankaar, Page turner society. These hubs organize various outreach activities to spread awareness about both classical and modern biotechnology. These hubs are also actively engaged in extra-curricular and co-curricular activities which have a very important role in the all rounded development of the students.

Our students continue to secure positions in graduate schools for MS / Ph.D at universities of international / national repute such as: University of Leeds, University of Illinois, Max Planck, John Hopkins, Georgia Tech, Texas A&M University, Keck Graduate Institute, University of Manchester, Penn State, Melbourne University, IIT, IIM, BHU and JNU. Many students have been selected in biotechnology firms such as Biocon, Panacea Biotech, Reddy labs, Cadilla Biotech, Ranbaxy, and Premas Biotech Ltd. while some of them are making their mark as successful entrepreneurs. In last academic year (2018-19), apart from the students who opted for further studies in India and abroad nearly 76%B.Tech&M.Tech students of the Department were recruited on-campus, in leading industries.

Department follows the code of ethics defined by the Institute. Department has IBSC Committee (Institutional Biosafety Committee) constituted under the auspices of Department of Biotechnology, Govt. of India, which meets regularly to generate awareness and monitor compliance of bio-safety aspects and regulations. IEC (Institutional Ethical committee), established as per ICMR guidelines ensures that the research involving human subjects/samples is conducted in code of ethics.

Our students continue to secure positions in graduate schools for MS/Ph.D at universities of International/ National repute such as Max Planck Institutes, John Hopkins, Georgia Tech, Keck Graduate Institute, Penn State, IITs etc. Many students have been selected in core biotechnology firms Panacea Biotech, Cadilla Biotech, Ranbaxy, and Premas Biotech Ltd.

➢ Facilities Including Labs

- The Department of Biotechnology at JIIT is equipped with state of the art instruments and possesses the most modern instruments and continuously upgrades its research facilities which have enabled it to carve a niche on the national biotech education map. The department has constantly maintained its ranking at top positions in biotechnology departments for education quality and research infrastructure amongst private institutions offering Biotech courses in India. The Department recently expanded its curricula and research laboratories to 3000 square feet comprising of M Tech and computational Laboratory. Department has dedicated core facility with high-end instruments and curricula like Functional Genomics lab, Plant and Animal Cell culture labs, Biochemistry lab and eight specialized research laboratories encompassing Centre for emerging Diseases, Transcriptome Lab, Novel Drug Delivery Systems Lab and Nano-Biotechnology Lab to undertake research in priority areas of biotechnology with emphasis on applied research.

- There is dedicated budget for the upgradation of the instruments to ensure high-end research facilities and cutting edge laboratories. The laboratories are compliant with the bio-safety norms and provide necessary equipments for biochemical, microbiological, cell culture and molecular techniques such as protein expression and purification, electrophoresis studies, immuno-technology studies, DNA/RNA isolation, molecular cloning methodologies, PCR, functional genomics applications, and bioinformatics software applications that constitute the methodological repertoire of biotechnology research.

- In the past academic year, the Department of Biotechnology has developed a new specialised lab on Bioremediation. This lab is supported with extramural grant received from Department of AYUSH, Govt of India. The lab is equipped with many basic instruments including a high end instrument such as Microwave assisted Digestion System (Nutechanalytical Technologies Pvt. Ltd.).

➢ Faculty Activities:

Presentations in Workshops International/National conferences

1. Chakresh K Jain: Conference on "Computational interaction study of Human Angiotensin Converting Enzyme with anticancer and antimicrobial peptides in diabetic nephropathy" organized by 39thAnnual Meeting of the Korean Society of Nephrology held on May 23 (Thu.) –May 26 (Sun.), 2019 at Seoul Dragon City, Seoul, Korea.

2. Vibha Rani: One day symposium on Role of Non-Coding RNAs (Human & Plant) on 4th September, 2018 at Amity University, Gurgaon

3. Dr. Pammi Gauba, Dr. Reema Gabrani, Dr. Vibha Rani, Dr. Priyadershini Pathak, Dr Shweta Dang: One day workshop on nanomedicine on Oct 24th 2018 at AIIMS, New Delhi

4. Dr. Vibha Rani: International Women's Day to be held at India Habitat Centre Lodhi Road, New Delhi on 7th March 2019being women in science at M/s Eppendorf India Limited

5. S KrishnaSundari: "5th National Asian PGPR Conference for Sustainable and Organic Agriculture Eco-friendly Bio-Innovations for Integrated Crop Management & Soil Health at Department of Botany and Microbiology, AcharyaNagarjuna University, Guntur, Andhra Pradesh & India Chapter of Asian PGPR Society

6. S Krishna Sundari: Invited Lecture at Biogenesis-VI conference at IILM Academy, Greater Noida

7. S Krishna Sundari: Guest of Honor talk during the "International Biodiversity day" Organized by District Forest Office, Ghaziabad as a part of UNEP & CBD initiative for International biodiversity day

8. S Krishna Sundari: World Environment day session at Ministry of Environment, Forest & Climate Change, UP division. DFO, Ghaziabad

9. Sudha Srivastava: Visit to Ecozyme AB, Sweden as Technology Advisor at Sweden during 12- 17 Nov, 2018

Participation in Seminars, Symposiums, Conferences

1. Biotechnology faculty: Faculty Development Program on Genomics & Human Health at Department of Biotechnology, JIIT, NOIDA, from July 02– 07, 2018

2. Biotechnology faculty: Seminar on "BIG opportunities for Biopreneurs" at Department of Biotechnology, JIIT, NOIDA, 19-07-2018

3. Biotechnology faculty: Workshop on "Hands-on to Computational Biology for Genomic and Meta genomic Analysis" at Department of Biotechnology, JIIT, NOIDA, 13-11-2018

4. Biotechnology faculty: Seminar on "Importance of the intestinal microflora and Role of probiotics in maintaining good health" at Department of Biotechnology, JIIT, NOIDA, 27-11-2018

5. Biotechnology faculty: International Conference on Advances in Biosciences and Biotechnology - ICABB-2019 at Department of Biotechnology, JIIT, NOIDA, 31st Jan- 02 Feb, 2019

6. Biotechnology faculty: Seminar on "Creating and Searching Values in Potential Bioresources using Nano-bio-information Technology for Applications in Agri-Food-Nutrition Sectorat Department of Biotechnology, JIIT, NOIDA, 19-4-19, 2019

7. Biotechnology faculty: Seminar on "Advanced Spectroscopy solutions from Cole- Parmer" at Department of Biotechnology, JIIT, NOIDA, 15-11-2018

Guest Lectures/Workshops /Conferences Organized

Conference Organized:

- International Conference on Advances in Biosciences and Biotechnology - **ICABB-2019** during 31 Jan to 02 Feb 2019.

Faculty Development Program Organized

- Faculty Development Program on Genomics & Human Health, organized by Department of Biotechnology, JIIT, NOIDA, from July 02– 07, 2018.

Others

1. Seminar on "BIG opportunities for Biopreneurs" organised by Department of Biotechnology, JIIT, NOIDA, 19-07-2018

2. Seminar on "Advanced Spectroscopy solutions from Cole- Parmer", organized by Department of Biotechnology, JIIT, NOIDA, 15-11-2018

3. Seminar on "Importance of the intestinal microflora and Role of probiotics in maintaining good health", organized by Department of Biotechnology, JIIT, NOIDA, 27/11/18

4. Seminar on "Creating and Searching Values in Potential Bioresources using Nano-bio-information Technology for Applications in Agri-Food-Nutrition Sector, organized by Department of BiotechnologyJIIT, NOIDA, 19-4-19.

5. Workshop on "Hands-on to Computational Biology for Genomic and Meta genomic Analysis" oraganised by Department of Biotechnology, JIIT, NOIDA, 13-11-2018

Visitors to the Department

Department of Biotechnology has organised Conference, Workshops and invited lectures by experts from reputed National, International organizations and Industry including: DRDO, DBT, NRDC, IGIB, DU, JNU, JamiaHamdard, Geneva Universtity, University of New Castle, University of Otago, Christchurch, New Zealand, Reliance Life Sciences, Monsanto, Xcelris Genomics, etc. The workshops and expert lectures provide an intellectual platform for students to interact with the speakers of eminence and get abreast with the emerging technologies.

Expert talks organized at JIIT

S. No.	Expert	Topic of Talk	Date
1	Prof. Pawan Dhar	From genomic parts to systems and bound	02-07-2018
2	Dr. Ashis	NGS in today's science, a new era of translational research	03-07-2018

3	Dr. Ashis	High-throughput Genomics Present and Future, a view of NGS	03-07-2018
4	Prof Andrew M. Lynn	Sequence, Structure, Systems and Big Data: The Evolution of Bioinformatics	04-07-2018
5	Dr. Mobashir	GECIP calculates pathways crosstalk in complex diseases like cancer	05-07-2018
6	Prof. Alka Tripathi	'R' Language	05-07-2018
7	Prof. Mohammad Z Ashraf	Deconstructing thrombosis at altitudes: An Indian translational success story	06-07-2018
8	Shweta Singh & Swati Prakash, Datri	Importance of blood stem cells donation in India	07-07-2018
9	Ms Aditi Kumar Asst. BIG Manager	SIDBI Innovation & Incubation Centre (SIIC) IIT Kanpur BIG opportunities for Biopreneurs	19-07-2018
10	Ms Shreya Malik Deputy Manager Biotech Consortium India Limited	BIG opportunities for Biopreneurs	19-07-2018
11	Ms. JyotiBohra, Sr. Executive-Science, Yakult Danone India Pvt. Ltd	Importance of the intestinal microflora and Role of probiotics in maintaining good health	27-11-18
12	Cole Parmer Team including Mr. Kalyanasis Pathak(Product Manager), Mr. Divesh Batra (Service Engineer) & Mr. Deepak Soni (Sales Manager)	Advanced Spectroscopy solutions from Cole- Parmer"	15-11-2018,
13	Prof. Michael Goodfellow, School of Biology, Newcastle University, United Kingdom	New Drugs from an Old Desert	31-01-2019
14	Dr.BanwariLal, Senior Director, Environmental & Industrial Biotechnology, The Energy and Resources Institute (TERI), Delhi.	A Case study on Restoration of oil spills site in Kuwait Oil field, Kuwait	31-01-2019
15	Prof. K.C. Bansal, Area Convenor, Nano Biotechnology Centre, The Energy and Resources Institute (TERI), Delhi	Biotechnological approaches for sustainable agriculture, food and nutritional security.	31-01-2019
16	Prof. Subhash Chand, Emeritus Professor, DBEB, IIT Delhi	Bio-entrepreneurship – Commercialization of Biotechnology (Some commercial & technical aspects)	31-01-2019
17	Dr. M.S. Saharan, Principal Scientist, Indian Agriculture Research Institute (IARI), Delhi	Wheat biotic stresses in India and their management under changing climatic scenario	31-01-2019
18	Sobhy El Sohaimy, Professor of Food Biochemistry, Head of Department of Food Technology, City of Scientific Research and Technology Applications (SARTA-City), National Representative of ISEKI-Food Association (IFA), Egyp	Quinoa-based food for addressing malnutrition	01-02-2019
19	Dr. SaritaAhlawat, BIRAC BIG Innovator, Head-Living Science Group	Developing smart and sensitive diagnostictools,sciencecommunication, and building of monitoring devices that can help in pollution management	01-02-2019

20	Dr. J Venkatesh Pratap, Principal Scientist, Central Drug Research Institute (CDRI), Lucknow	Rv3272 is a novel Family III CoA transferase involved in host-pathogen interaction	01-02-2019
21	Prof. Indranil Biswas, Department of Microbiology, Molecular Genetics & Immunology, University of Kansas Medical Center, Kansas City, USA	Medical biotechnology	01-02-2019
22	Dr. Javed Ali, Professor, Dept. of Pharmaceutics, JamiaHamdard, New Delhi	Nano pharmaceuticals: Challenges and Opportunities for Phytotherapeutics	01-02-2019
23	Dr. YogeshShouche, Director, National Centre for Microbial Resources, Pune	Microbial repositories in India	02-02-2019
24	Prof. A.K. Saxena, Director, ICAR-National Bureau of Agriculturally Important Microorganisms (NBAIM), Kusmaur, Mau, Uttar Pradesh	Agriculturally important microbial repositories	02-02-2019
25	Prof. Anil Kumar. Founder Director of Education, Rani Lakshmi Bai Central Agricultural University, Jhansi.	Creating and Searching Values in Potential Bioresources using Nano-bio-information Technology for Applications in Agri-Food-Nutrition Sector	19-04-2019

Other Achievement/Miscellaneous Activities

Sponsored Research Projects

Completed (Total Grant: 86.61 Lacs)

1. Development of inhibitors to target glyoxylate and methylcitrate cycles essential for persistence of Mycobacterium tuberculosis. PI: Dr. Vibha Gupta and Co-PI: Dr. Chitranjan Rout ICMR, 34 lacs, Completed in 2018.

2. Differential expression pattern of miRNAs in rice root during Cr(VI) stress. Young Scientist: Dr.SonaliDubey and Mentor: Dr.Vibha Rani, DST, 33 LACS, 2018.

3. Studies on production of therapeutically important saponins using in-vitro culture of Bacopamonnieri. PI: Ms. Pragya Bhardwaj and Mentor: Dr. Ashwani Mathur. DST, 19.61 lacs, 2018.

Ongoing (Total Grant: 248.75 Lacs)

Faculty as PI

1. Investigating microRNAs as the Next Generation Therapeutic Targets in Diabetic Cardiomyopathy, DST, Duration: 2018-2020, Grant value: 40 lacs, PI: DrVibha Rani.

2. Identification of cellular targets of Chikungunya virus non structural proteins, ICMR, Duration: 2016-2019, Grant value: 34.1 lacs, PI: Sanjay Gupta / ReemaGabrani

3. Application of customized PGPM based formulations for reclamation of soil permeated with Organophosphate pesticide residues, DBT, Duration: 2017-2020, Grant value: 62.10 lacs, PI: Prof. Krishna S. Sundari/ Dr Sudha Srivastava

4. Evaluation of the heavy metals content in market samples of plant raw drugs used in Ayurveda, AYUSH, Duration 2018-2021, Grant value: 41.1 lacs, Dr Pammi Gauba

5. Development of glyoxylate and methyl- citrate cycles essential for persistence of Mycobacterium tuberculosis, ICMR,Duration: 2015-2018, Grant value: 20 lacs, Chittaranjan Rout (JUIT, Waknaghat)/ Vibha Gupta

6. Potentially novel carbohydrases (ellulose and related enzymes) for waste management from functional metagenomics library of North East India biodiversity hot spot, DBT, Duration: 2017-2020, Grant value: 22.21

lacs, Indira P. Sarethy Dr. Sanjay Gupta/ Dr. HariPrasannaDekaBoruah (CSIR-NEIST)

7. Building integrated pipeline for cancer genome analysis: Role of mobile genetic elements in cancers.DBT, Duration: 2017-2020, Grant value: 29.24 lacs, Dr. Kamal Rawal/Dr. Sanjay Gupta.

Faculty as mentor (Sponsored Fellowship/Special Scheme Projects) (Total Grant: 184.52 Lacs)

1. Development PLGA nanoparticles loaded with donepezil and memantine for brain drug delivery through nasal route in Alzheimer's disease, BioCARe –DBT, Duration: 2017-2020, Amount: 26 lacs, PI: Ms. Atinderpal Kaur and Mentor: Dr. Shweta Dang. Bioprospection of microorganisms from selected niche habitats (soil/rock) for antimicrobial products., CSIR-SRF, Duration: 2019-2021, Amount: 7,12 lacs, PI: Mrs. NidhiSrivastava Mentor: Dr. Indira P Sarethy

2. Analysis of host interactos of Chikungunya virus non structural Protein 1, CSIR/SRF, Duration: 2019-2021, Grant value: 7.12 lacs, PI: Ms. Ritu Ghildiyal and Mentor: Dr. Reema Gabrani

3. Identification of peptide/protein binders of Chikungunya Virus, DST- Inspire, Duration: 2015-2019, Grant value: 21.9 lacs, PI: Ms. Garima Agarwal

4. Structure, function and inhibition of isocitrate lyases of Mycobacterium tuberculosis, DST Inspire, Duration: 2016-2021, Amount grant: 21.9 lacs, PI: Ms. Monika and Mentor: Dr.Vibha Gupta

5. Fabrication of nanotechnology based point- of-care device for thyroid disease diagnosis, DST – Inspire, Duration 2016-2021, Amount grant: 21.9 lacs, PI: Rahul and Mentor: Sudha Srivastava

6. Nanotechnology based vaccine development against Hepatitis E virus., DST – Inspire, Duration: 2015-2020, Amount grant: 21.9 lacs, PI: Dibya Rani and Mentor: SudhaSrivastava

7. Genomics of diverse Wolbachia species in Indian Drosophila and to study host-symbiont interactions, CSIR-JRF, Duration: 2017-2021, Amount grant: 16.81 lacs, JRF-Kopal and Mentor: Dr Sujata Mohanty

8. PLGA Nanoparticles for Baclofen and Lamotrigine: Nose to brain delivery , CSIR-SRF, Duration: 2019-2021, Amount grant: 7,12 lacs, SRF: Kuldeep Nigam and Mentor: DrShweta Dang

9. Investigating microRNAs and Matrix metalloproteinasesastherapeutic target in glucose induced cardiac stress, CSIR-SRF, Duration: 2018-2020, Amount grant: 9.1 lacs, SRF: SharadSaxena and Mentor: Dr.Vibha Rani

10. Cardioprotective Effects of Curcumin Against Drug Induced Toxicity, CSIR—SRF, Duration: 2018-2020, Amount grant: 9.1 lacs, SRF: Aditi Jain and Mentor: Dr.Vibha Rani.

Honors and Award Received During the Year

*   **Krishna Sundari :** Felicitated for contribution in PGPR research and as Co-Convenor from Asian PGPR Society at "5th National Asian PGPR Conference for Sustainable and Organic Agriculture Eco-friendly Bio-Innovations for Integrated Crop Management & Soil Health, Organized by Department of Botany and Microbiology, Acharya Nagarjuna University, Guntur, Andhra Pradesh & India Chapter of Asian PGPR Society, 23-25 February 2019

Department of Mathematics

The Department of Mathematics strives to make an impact on the disciplines of mathematics, engineering and on the broader society through internationally recognized research in pure and applied mathematics and dedicated teaching that empowers undergraduate and graduate students to formulate and solve mathematical problems. The Department of Mathematics was created from the very inception of the JIIT and currently it is a community of twenty one academicians committed to excellence in research and instruction. It consists of 5 professors, 3 associate professors and 13 assistant professors. The Department offers a comprehensive set of curricula in its disciplines, from value added courses to doctoral dissertation direction. There are more than 35 courses taught at graduate, post graduate and research levels. Besides catering to the basic needs of the various B. Tech. / M. Tech. programs of the Institute, it has a strong fervour towards research and development from the very beginning. The M. Tech. (ACM) program contributes to an important pipeline of professionally trained students who enter the high-technology industrial sector.

In the present era of information revolution, the role and usage of mathematics have increased which has resulted in substantial changes in several other disciplines also. This has put additional expectations on the Department from the point of view of teaching, research and applications. Skills in computational mathematics are needed more than ever before. So, a number of new courses (core as well as elective) have been designed and introduced at graduate and post graduate levels. The field of mathematics however is constantly evolving to the ever changing need and challenges of its practitioners. Therefore, we also need to update ourselves continuously through various activities such as research work, workshops, faculty development programs, guest lectures and conferences. The department has successfully organised two international conferences and other workshops with partial funding by reputed agencies like CSIR, DST and DRDO. Further efforts are being made for the convergence of Mathematics with other disciplines by introducing courses of interdisciplinary nature such as Wavelets, Computer Graphics, Finite Element Methods, Image and Signal Processing etc.

The Department has established a strong reputation in research. This is evident from a good number of research publications in reputed indexed international journals. Faculty members are involved in research and development related to various thrust areas of pure and applied mathematics of contemporary importance.

➢ Faculty activities include

Participation of the Faculty in Conferences/ Workshops / Seminars outside JIIT

1. Dr. Puneet Rana delivered invited talk in two day seminar on "Nanotechnology: Opportunities and Challenges" from July 06-July 07, 2018 at Krishna Engineering College, Ghaziabad.

2. Prof. Bhagwati Prasad Chamola chaired a session in the National Conference on Information Technology, Electronics and Management (NCITEM-2018), Organized by Centre for Development of Advanced Computing (CDAC), Noida, UP, July 26 -27, 2018.

3. Prof. R. C. Mittal delivered invited talk on "Roots of a Polynomial", Dept. Of Mathematics, Meerut College, Meerut (1st Sept., 2018)

4. Prof. R. C. Mittal delivered 3 expert talks on "Numerical Solutions of Partial Differential Equations by B Splines" in workshop "Advanced Computational Techniques for Differential Equations with MATLAB" Organised at IIT Roorkee (19-20 Sept., 2018).

5. Prof. Bhagwati Prasad Chamola delivered a talk on "Bhaskaracharya and his Lilavati" in the AISSQ 2018: Conference on "Mathematics and Reality", IIT-Bhubaneswar, Orissa, India, October 7-8, 2018.

6. Prof. R. C. Mittal delivered invited talk on "Roots of a Cubic" in workshop "Modeling, Optimization and Computing for Engineering Problems: Using of Technical Hindi Terminology" held at IIT Roorkee (14th Oct., 2018)

7. Dr. Pankaj Kumar Srivastava participated in International Conference on Mathematical Techniques in Engineering Applications organized by department of Mathematics, Graphic Era University, Dehradun on 7-8 December 2018.

8. Dr. Dinesh C. Singh Bisht participated in International Conference on Mathematical Techniques in Engineering Applications organized by department of Mathematics, Graphic Era University, Dehradun on 7-8 December 2018.

9. Prof. R. C. Mittal delivered invited talk on "Solutions of Non-linear Evolution Equations using B- Splines" in the "Conference on Mathematical Science and Development" organised by Mathematics Dept., B.R. Ambedkar University,Agra (22-24 Dec., 2018)

10. Prof. R. C. Mittal delivered expert talks on "Finite Element Method" in Short Term Course organised by Dept. of Mathematics, MNIT Jaipur (25-26 Dec., 2018).

11. Prof. Bhagwati Prasad Chamola served as invited speaker (session expert) in Brain Storming Session on "Mathematical thinking for realigning students towards Mathematics" during 13th Uttarakhand State Science and Technology Congress (USSTC) 2018-19 at Uttarakhand Council of Science and Technology(UCOST), Vigyan Dham, Dehradun (Uttarakhand) on 26-28 Feb 2019.

12. Dr. Puneet Rana delivered two expert lectures in one week national workshop on "Development of Soft Skills (MATLAB, LATEX & MATHEMATICA)" organized by the Department of Applied Sciences & Humanities, Rajkiya Engineering College, Ambedkar Nagar (UP) from March 25- March 29, 2019.

13. Prof. Alka Tripathi delivered an expert lecture on the "R-Programming" in the Department of Mathematics at J.C. Bose University of Science and technology, YMCA on April 18, 2019.

14. Prof. R. C. Mittal delivered invited talk on "ADI Methods to Solve Parabolic Partial Differential Equations" in QIP STC on 7th June, 2019 held at IIT Roorkee (4-7 June, 2019)

15. Prof. Sanjeev Sharma Delivered an Expert lecture on "Stress Analysis in Rotating Disk using Infinitesimal Deformation Theory" in One Week STTP on Mathematical Modelling and Simulation, Organizing by Department of Mathematics, School of Technology, Pandit Deendayal Petroleum University, Gandhinagar, June 06, 2019.

Conferences /Workshops / Faculty Development Programs Organized

1. A Faculty Development Program on Mathematical and Statistical Computations was organised during July 09, 2018 - July 14, 2018. In this program, experts delivered the lectures and lab sessions on various topics of computational and statistical analysis in the field of research and development in life and medical sciences as well as in industries. The applications of machine learning and statistical techniques are discussed which can be used to understand cancer and other unpredictable diseases. The genetic disorder can also be predicted

to an extent using many statistical tools. Moreover, mathematical modelling of biosensors is also explained by one of our eminent speaker. Scientific Visualization of data has been explained, which is very useful for researchers for better visualization and analysis of results. Scientific Visualization is widely used in e-commerce, medical and many more.

2. A Workshop on Current Aspects of Research Evaluation and Plagiarism was organized during November 30-December 1, 2018. The objective of this workshop was to provide comprehensive knowledge about the research, process, methods and ethics of plagiarism. The vibrating aspects of research ranging from quantitative to qualitative approach are discussed by eminent speakers from various reputed national technical and research organizations across India, so that it can be penned down into high quality research papers. The focus of the event is to explore the indispensable facts about the citations, reference management using Mendeley, Scopus and tools like LATEX, R used for the research. The idea is to stimulate young researchers, students and professionals for producing a quality research paper, project proposals with efficient ideology and ways of handling research tools behind the research techniques. Participants appreciated the lectures of the experts and marked positive feedback about the workshop.

3. 3rd International Conference on Recent Advances in Mathematical Sciences and its Applications (RAMSA-2019) was organized during January 17-19, 2019 partially supported by Science and Engineering Research Board (SERB), a statutory body under Department of Science & Technology and DRDO under Ministry of Defence, Government of India, New Delhi. The Scopus indexed proceedings of the conference were published online by American Institute of Physics (AIP), USA. The theme of the conference included almost all active research areas in pure, applied and inter-disciplinary mathematics reflecting the applications in the areas of sciences and engineering. The eminent speakers from Serbia, USA and India delivered lectures during the conference on the topics of their areas of expertise. Also, 68 papers were presented.

4. A Workshop on Emerging Computational Methods for Science and Engineering Applications was organised on March 15-16, 2019. The primary aim of the workshop was to encourage the applications of new vibrating computational methods for amazing development in the field of science and engineering. The focus of the event will be on algorithm development with the objective to make the participants understand various mathematical and statistical techniques. A quantitative and qualitative analysis of real world problems will be carried out using mathematical and statistical softwares. It is vital that researchers, scientists, engineers and statisticians across these fields meet and explore new dimensions in applicable mathematics for their academic and research activities.

Invited Expert Lectures by Guest Speakers

1. Expert talk on the topic "Fractal, Chaos - Mathematical Modeling" delivered by Prof. Rashmi Bhardwaj, University School of Basic & Applied Sciences, Guru Gobind Singh Indraprastha University (GGSIPU), New Delhi, India, July 31, 2018.

2. Expert talk on the topic "The Ordered Weighted Average: Theory and Applications" delivered by Prof. Jose M. Merigo, School of Information, Systems and Modelling, Faculty of Engineering and Information Technology, University of Technology, Sydney, Nov. 16, 2018.

3. Expert talk on the topic "F-Domination in Graphs: Changing and Unchanging of the F-Domination number" by Prof. Kiran R. Bhutani, Chair, Department of Mathematics, The Catholic University of America, Washington, D.C. 20064, USA, March 5, 2019

Department of Physics and Materials Science & Engineering

Department of Physics and Material Science and engineering is trying hard to become one of the pioneer departments in the field of teaching and research in the fundamental as well as applied areas of Physics and Materials Science since its inception in 2001. At present, department is actively involved not only in teaching of various courses for the different UG and PG programs of engineering but also offers M.Tech. program in Materials Science and Engineering and Ph.D. program in Physic and Materials Science and Engineering.

With a strong team of 24 faculty members having high academic and research credentials, the research endeavors of department cover diverse fields but not limited to Nanoscience and Nanomaterials, Green Energy Materials and Devices, MEMS, Quantum Computing, Quantum Communication, Atomic and Molecular Physics, Plasma Physics, Spectroscopy, Astrophysics, Biophysics, Photonics, Solid State Ionics, Magnetic Materials including Multiferroics. Currently, there are six ongoing research projects of worth Rs 389.08 Lac in the department funded by DST and DRDO. In last few years, nine research projects of worth Rs. 183.85 Lac sanctioned by AICTE under MODROB scheme, DST, and DRDO have been completed successfully. The department has well equipped curricular laboratories for UG and PG programs, research laboratories with modern research equipments and several setups for materials synthesis, processing and an advanced materials characterization laboratory with sophisticated contemporary machines. The department has published more than 350 research papers in high impact international journals and has produced 28 Ph.D. scholars. M.Tech. and Ph.D. students graduated from the department have been successful in achieving faculty positions in reputed institutes and organizations and many of them have received prestigious international and national doctoral and post-doctoral fellowship such as Japanese Society for the Promotion of Science (JSPS, Japan), Kothari Fellowship (DST, India) and National Post-doctoral Fellowship (DST, India).

The department is committed to uphold high standards of teaching and research. With the aim of enhanced interaction of the faculty with the global research community, department regularly organizes national/international workshops and conferences with active participation from all over the world. Faculty members as well as research scholars of department enthusiastically participate in various academic and research activities held in India and abroad. Besides, the department organizes Faculty Development Program (FDP) every year and frequently invites external experts for delivering talks in the department. With the hard work and firm determination, faculty and students of department could receive several awards and recognitions. The faculty members are regularly delivered talks at various reputed national and international institutes and prestigious national and international conferences. The faculty members are also invited as experts and examiners in other institutes and organizations..

➢ Facilities including Labs

In order to facilitate curricula based Physics experiments for B. Tech. students, department has two well equipped laboratories. Moreover, to conduct research on synthesis and characterization of materials, there are three advanced labs for M. Tech. and Ph.D. scholars of Materials Science and Engineering. These laboratories are equipped with many high-end facilities for PG and PhD students. Some important equipment/ research facilities are enlisted as follows:

Name of Equipment	Make
X-Ray diffractometer (Shimadzu-6000	Shimazdu
FTIR spectrophotometer (Spectrum BX-II)	PerkinElmer
UV-VIS spectrophotometer (Lambda 35)	PerkinElmer

Name of Equipment	Make
Luminescence spectrometer (LS-55)	PerkinElmer
Hioki LCR meter 3522-50	Hioki
Impedance analyzer (PSM 1735)	Newtons4th Ltd
Impedance analyzer (Alpha-AT)	Novocontrol
Vacuum Coating Unit	Hind High Vac
Optical Microscope with accessories	NISCO
Low temp. luminescence accessories	PerkinElmer
Dual analytical balance	Citizen
Nano-voltmeter	Keithley
AC and DC Current Source	Keithley
Digital Multi-Meter	Keithley
Water purification system	Millipore
Spin coating unit	Apex Instrument
PE-loop measurement	Marine India
Micro processor controlled furnace with sample holder	Jupiter
Electromagnet HEM-200 (1.5 Tesla)	Polytronic Corporation
High Temp. muffle furnace	Jupiter
PVD System vacuum operated	Metrex
Workstation	Netweb Technologies
Dell 3040 optiplex commercial desktop	Dell
Abbe refractometer	Batra
Fiber optics spectrometer with accessories	Oceanoptics
Optical table with accessories	Sandvic

➢ Faculty activities

Faculty members of the department regularly participate in academic activities at national and international levels. In the **academic session 2018-19**, faculty members of the department participated in the following academic activities:

Participation by Department faculty in seminars, symposiums, conferences

National:

1. Delivered an invited talk on "Secure quantum communication using nonclassical light", Summer School in Optics and Photonics (SOAP) 2018, Bangalore, 27 July 2018.

2. Delivered an invited talk on "Quantum Mechanics for quantum computation and communication, Continual Education Programme (CEP) on "Quantum Communication and Quantum Computing, ANURAG, Hyderabad, 27 August, 2018

3. Delivered an invited talk on "Quantum Key Distribution and Beyond: Possible optical implementations and present status", at National Workshop on Quantum Computing and Communication Technologies (NWQCCT), DRDO Bhawan. 5 October, 2018.

4. Delivered an invited talk on "Professor Meghnad Saha: A Physicist's Approach to Social Problems", at 2-day Seminar to Celebrate 125th Birth Anniversary of Professor Meghnad Saha, The National Academy of Sciences, India (NASI), Allahabad, 6-7 October, 2018.

5. Delivered an invited talk on "A journey from basic quantum gates to multi party quantum computation", National Workshop on Quantum Information and Information Security 2018, IIIT Hyderabad, 10 October, 2018.

6. Delivered an invited talk on "Quantum Cryptography: What, Why and How", at National Workshop on Quantum Information and Information Security 2018, IIIT Hyderabad, 10 October, 2018.

7. Delivered an invited talk on "Quantum Cryptography: Essential ideas of quantum mechanics and linear algebra", Joint Cyber Bureau (JCB), Delhi, 30 October, 2018.

8. Delivered an invited talk on "Individualization and nonlocality in quantum physics", Conference on Quantum Physics, Brain Function in Modern Science & Buddhist Philosophy, 1-2 December, 2018.

9. Delivered an invited talk on "Unconditional security of quantum cryptographic protocols: A myth or reality?" at Meeting on Quantum Information Processing and Applications (QIPA-18), HRI, Allahabad, 2-8 December, 2018.

10. Delivered a talk on "Quantum supremacy and optical couplers", at Photonics-18, IIT Delhi, 13 December, 2018.

11. Delivered an invited talk on "Second Quantum Revolution: Is it going to change your life in near fu0ture?" at International Conference on Physics, Society and Technology (ICPST 2019), Deshbandhu College, DU, Delhi, 17-19 January, 2019.

12. Delivered a Plenary talk on "A journey from classical reversible gates to recently developed quantum computers", at ST Microelectronics, Noida, 23 January, 2019.

13. Delivered an invited talk on "Quantum Hacking: A physicist's view", CEP course on Methods for Analysis of Cryptoalgorithms, Scientific Analysis Group (SAG), New Delhi, 4-8 February, 2019.

14. Delivered two invited talks on "Quantum Mechanics and its Applications, Topics: (1) Basic ideas of quantum mechanics and quantum information (2) How to realize schemes of quantum cryptography", at 2-day School on Quantum Mechanics: Basic Concepts & Applications, St. John's College Agra, 16-17 February, 2019.

15. Delivered an invited talk on "Quantum cryptography: Is it ready for defense applications?" and Participated in the Panel Discussion as a Panellist in Seminar on Quantum technology, Quantum computing and Cryptography, Military College of Telecommunication Engineering (MCTE), Mhow, 25 February, 2019.

16. Conducted a 4-day training program on Quantum Science and Technology for the DRDO scientists and personnel of tri-forces and delivered 10 invited lectures, June 4-7, 2019, ANURAG, Hyderabad.

17. Delivered 3 invited talks on "Basic ideas of quantum computing and quantum communication" in the Summer School on Quantum Information and Quantum Technology, June 14, 2019.

18. Presented a paper at International Conference on Advanced Materials, energy & Environmental Sustainability (ICAMEES-2018) (14th-15th December, 2108).

19. Delivered an Invited talk on "Impact of Growth Temperature on Morphology and Electrical Properties of Co-doped Ba-Doped SnO_2 Nanowires via CVD Method" during National Conference ITRI at Agra, 15-16th Nov 2018.

20. Delivered an invited talk on "Study of CuO nanoparticles prepared via new synthesis process" in International Conference on Advanced Materials (ICAM-2019), organized by Centre for Nanoscience and Nanotechnology, Jamia Millia Islamia, New Delhi, India during 6-7 March 2019.

International:

Delivered an invited talk and chaired a session at Quantum 2019, May 26-June 1, 2019, organized by INRIM and University of Turin, Turin, Italy.

Guest speakers, seminars, talks, workshops and conferences conducted in the departments:

1. Faculty Development Program (FDP) on "Recent Trends in Optics and Plasma Physics", 5-11th July, 2018

A faculty development program on RECENT TRENDS IN OPTICS AND PLASMA PHYSICS was organised by department of Physics and Materials Science and Engineering, JIIT Noida during 5th-11th July, 2018. The objective of this FDP was to provide a platform for interaction among faculty, scientists and researchers to share their ideas, thoughts and scientific finding in various areas of photonics, fibre optics, laser and plasma physics, quantum optics etc. This FDP was a fifth in a series of annual academic faculty development program in PMSE department. Optics and Plasma physics have widespread applications in various engineering streams. Their technological developments /advancements have been the results of joint efforts of physicists and engineers. The program was accomplished through a series of talks by prominent speakers, experts of the field. The program was very well received by the internal as well as external participants. There were six sessions conducted in six days during the FDP. Twelve speakers delivered thirteen lectures on various advanced topics such as Plasmonics, Fibre Optics, Tera-Hertz radiation generation and detection processes, Solar industry, Magnetic fusion, Photonics and Mathematical method for smart codes in application to physics

etc. Each lecture was of the duration of an hour and thirty minutes. Among these, ten external speakers were from renowned IITs, IISc Bangalore, Universities and industry. The inaugural talk was delivered by Dr. Gagan Kumar (Associate Professor), Department of Physics, IIT Guwahati. He talked about rapid development of THz technology and their applications in various different areas ranging from biomedical to defence, including communication. Second talk was delivered by Dr. Saurabh Mani Tripathi, Department of Physics, IIT Kanpur on fibre optics for the development of a temperature sensitive sensor for medical application such as detection of bacteria, virus and cancer cells. Dr. Yogita Kalra, Department of Physics, Delhi Technological University, New Delhi talked about the photonic waveguides for the optical communication. Mr. Kuldeep Kumar, Manager at Indo Solar India's largest solar PV manufacturer presented about the foundation of Government of India plan towards making India solar power driven country. Dr. Anuj Bhardwaj and Dr. Puneet Rana, Department of Mathematics, JIIT Noida gave hands on session on introduction and development of Smart codes in MATLAB for scientist and engineers. Dr. Animesh Kuley, Department of Physics, IISc Bangalore talked about the development of radio frequency heating and its future challenges to make fully magnetically controlled burning fusion plasma reactor. Dr Updesh, M.K.R.G. College Ghaziabad, talked about the recent progress on world's hope to make a clean and green future energy source by controlling nuclear fusion reactions. Dr. Manmohan Singh Shishodiya, Department of Physics, Gautam Budha University, Greater Noida delivered a talk of nano-Plasmonics. Dr Mukesh Jewariya, Scientist, NPL, New Delhi and Dr. Anil Malik, Associate Professor, Department of Physics, CCSU Meerut, talked about generation, detection and applications of high power tera hertz radiation for spectroscopy, multi-dimensional imaging, high level security and medical treatments.

2. **One day seminar on the Life and Works of Prof. M. N. Saha and Prof. S. N. Bose, 15th September, 2018**

Objective of the program was to celebrate 125th birth anniversary of two legendary Indian Physicist- Prof. M. N. Saha and Prof. S. N. Bose, and to familiarize the young students and faculty members about the life and works of these two great men. Mostly research works of Prof. M. N. Saha and Prof. S. N. Bose was discussed. Influence of their works on society and the modern science was also discussed. Some aspects of their life were also discussed.

3. **Student conference on JIIT Student Conference on Optics and Photonics-2018 (JSCOP 18), 2nd-3rd November, 2018**

The event was graced by various eminent professors and scholars from all over the country, along with a footfall of more than 200 attendees in two days comprising of undergraduates, postgraduates, Phd scholars and faculty members. It boasted of various tech and non-tech events and offered an opportunity for everyone to assimilate invaluable knowledge and enlightenment about everything and anything that optics is. It also provided a valuable networking opportunity and set the stage for future such conferences in JIIT. The event of two days was mainly comprised of 7 sessions. First lecture was given by Professor Ajoy Ghatak (Emeritus professor, Indian Institute of Technology (IIT), Delhi) on "What is Light and Evolution of Quantum Theory". His speech not only induced a deeper sense of understanding of the phenomenon that light is, but also paved way for the comprehension of more complex and intricate theories in regards to it. Second lecture in the same session was presented by Dr. S. K. Varshney (Associate Professor, IIT Kharagpur) on "Communication at all length scales". He introduced the audience to various dispositions of communications and related paraphernalia, explaining every point with great intricacy and patience. Third Lecture was given by Prof. R. K. Sinha, Director, CSIO-CSIR. Central Scientific Instruments Organisation on "Ilustrious display of achievements of CSIO-CSIR and opportunities for youth". The final event of the day was powered by the young innovators present as participants. Poster Presentation, an event designed solely for students, saw various ideas and innovations exhibited articulately, putting to use the power of pictures and words combined. On day 2, an informative talk on lasers was given by Professor M. N. Reddy, senior scientist and Associate Director of Laser Science and Technology Centre (LASTEC), DRDO (The Defence Research and Development Organisation), Delhi. He also talked about Outreach Teaching of Scientific Temperament to the Indian Youth. The second talk of the day was a motivational as well as a career oriented talk given by Col. H. S. Walia, An Entrepreneur with distinguished career of over 30 years in both private organization as well as in the Indian Army. He is the founder and CEO of L2L International. He is a noted coach, mentor and administrator and has conducted various Life Skills training and mentorship programs. His lecture focussed on team building and knack of resolving issues with incisive, analytical and interpersonal skills. The last session of the conference included

the project exhibition, which saw participation of nearly 15 teams of innovators competing for the valuable prizes.

4. Workshop on Contemporary Physics: Light Phenomenon and Applications, 11th-12th December, 2018

The central theme of this workshop was to provide a broad overview of basics concepts related to Optoelectronics, Photonics and Metamaterials. The ultimate objective was to promote awareness about recent trends in these areas among students, researchers, industry personals and faculty/scientists from colleges, institutes and universities/research labs. This workshop also aimed to improve the quality of physics teaching and learning process. The idea was to stimulate young researchers, students and professionals for producing a quality research, project proposals with efficient ideology.

Key note lectures of the following Scientists from Abroad were appreciated by delegates of workshop due to vast converge of frontier areas of Photonics and Metamaterials.

1. Prof. Sir David Neil Payne, CBE FRS FREng, Director of Optoelectronic Research Centre, University of Southampton, UK

2. Prof. Philip Russell, Director Max Planck Institute for the Science of Light, Erlangen, Germany

3. Professor Wolfgang Freude, Director, Institute of Photonics and Quantum Electronis, Germany

4. Dr. Tobias Konig, IPF USA

Moreover many delegates showed a great interest in the lecturer of Dr. S. Anantha Ramakrishna from I I T Kanpur on Meta materials for tunable infrared emissivity and absorptivity applications. Participants particularly young researchers had shown their interests in three energetic tutorials sessions based on Wireless Terahertz Communication by Prof. Wolfgang Freude and lecture sessions of Dr. Tobias Konig on their experimental work based on Surface Plasmons and Sensors.

5. Expert talk by **Prof. G W Dueck,** Director, New Brunswick University, Department of Computer Science, New Brunswick University, Canada on **"Efficient Realizations of CNOT gates in IBM's Quantum Computers", 15th December, 2018**

IBM's quantum computers implement gates from Clifford+T gate library. All single qubit gates are implemented, but only a subset of the possible CNOT are provided. It is well known that the functionally of the missing gates can be achieved by a sequence of gates. The sequence of gates is based on SWAP gates. Up to seven elementary gates are required to implement a SWAP gate. In this talk, it was shown that how the same effect could be achieved with fewer gates. To show the potential of the proposed transformations, an example was presented where a reduction of 44% in the gate count and a 26% reduction in the number of levels for IBM's QX5 computer was achieved. An algorithm that was considered state of the art, was used for the comparison.

6 Expert talk by Dr. Somaditya Banerjee, Austin Peay University, USA on **"Physics in Colonial India through the lens of Satyendranath Bose, Meghnad Saha and C.V. Raman", 16th December, 2018**

How was it possible for a highly successful brand of modern science to develop in a country that was still a British colony? I will look at the first indigenously trained generation of modern physicists-the cohort of Satyendranath Bose, MeghnadSaha and Chandrasekhara Venkata Raman-to answer this question. I will discuss the then emerging group of native intelligentsia of which Bose, Saha and Raman were a part called bhadraloks, who were identified by academic pursuits and manners and effectively transcended the existing class and caste barriers of the colonial Indian society. Finally, I argue that the responses of Bose, Saha and Raman towards the novel concept of the light quantum were conditioned by the nationalist and cosmopolitan culture in colonial India which made Indian physics a synthesis of the national and the global. Hence physics, nationalism and cosmopolitanism were the key concepts in the making of modern science in colonial India.

7. International Conference on "Photonics, Metamaterials and Plasmonics (PMP-2019)", 14th -16th February, 2019

International Conference on Advanced Photonics, Metamaterials and Plasmonics (PMP- 2019) aimed to bring together leading academician, scientists, and researchers to exchange and share their thoughts, experiences

and research outcome on all aspects of photonics and plasmonics. It provided an interdisciplinary platform for researchers to present and discuss their most recent findings, innovations and experimental/practical challenges encountered in solving the problems in the fields of developing metamaterials. The Conference had focused on wide range of topics related to Photonics, Metamaterial and Plasmonics. In this conference, 7 technical sessions and 2 poster presentation sessions were featured. Substantial number of participants, not only from every corner of the country but also from abroad, participated in this 3 days' conference. The conference comprised 11 plenary talks, 28 invited talks, 19 oral talks and 60 poster presentations. A total of 159 abstracts were received for this conference and out of which 108 were presented during conference period.

8. **A. C. Banerji Memorial Award Lecture and NASI-Buti Foundation Award Lecture, 3rd May, 2019**

Objective of the program was to familiarize the young students and faculty members about the life and works of these great persons. Influence of their works on society and the modern science was also discussed. Some aspects of their life were also discussed. Generally, all the participants provided excellent feedback.

Visit of dignitaries to the departments along with dates and purpose

Department regularly invited experts from outside for interaction with faculty and students and delivering talks. During academic year 2018-19 following experts were invited for delivering talks and doing collaborative research works:

S. No.	Expert	Topic/Purpose of visit	Date
1	Dr. Somaditya Banerjee, Assistant Professor, Austin Peay University, USA	Physics in Colonial India through the lens of Satyendranath Bose, Meghnad Saha and C.V. Raman	16-19/12/2018
2	Prof. G.W. Dueck, Director, Department of Computer Science, New Brunswick University, Canada	Efficient Realizations of CNOT gates in IBM's Quantum Computers	15-19/12/2018
3	Dr. Abhishek Parakh, Department of Computer Science, University of Nebraska Omaha, USA	Collaborative research workts	03/08/2018
4	Dr. R. Srikanth, PPISR, Bangalore	Collaborative research work	30/05/2018

Any other achievements or points which need to be highlighted

Four new research projects worth Rs 47.30 Lac from SERB, Rs 40.91 Lac from DRDO, Rs 222.16 Lac from DST and Rs 40 Lac from DST were sanctioned.

Honors and awards during the year

- Prof. Anirban Pathak became Fellow of IETE.
- Dr. Himanshu Pandey received Young Faculty Award 2019 by Center for Education Growth and Research, New Delhi.

Ph.D. Scholars received following awards:

- PBest poster award in International Conference on Photonics, Metamaterials and Plasmonics (PMP-2019), Jaypee Institute of Information Technology, Noida, 14-16 Feb 2019.

Department of Humanities & Social Sciences

The Department of Humanities and Social Sciences plays a unique role in an institute where the ethos of science and technology prevails. It is believed that engineering and science are, by their very nature, humanistic and socially derived enterprises. Hence a complete science and technology education must include humanities and social sciences and other behavioural sciences where the students can unite application of scientific principles along with human, moral and social understanding of life.

The Department of Humanities and Social Sciences, established in Jaypee Institute of Information Technology in 2001 is a centre of excellence in the field of IT education and training, comparable to the best in the world for producing professionals who shall be leaders in innovation, entrepreneurship, creativity and management. This department is a source of change-facilitators who serve to complement the existing and emerging educational programs by imparting professional and behavioural competencies and, thereby, transforming our students to become the new-age leaders in their chosen professions. The department constitutes a whole universe of intellectual domains, spanning the spectrum of knowledge pertinent to communication skills, individual and group behaviour, psychology, sociology, economics, finance, marketing, entrepreneurship, culture and knowledge management.

The undergraduate courses aim at making the students aware of the various issues concerning man and society. They are meant to sensitize them to the broader social, cultural, economic, ethical and humane issues involved in social change. The M.Tech level course prepares the students for the professional world by creating communication competence that enables them to carve a niche for themselves in the organization they are a part of. The department also runs Lab-based Value Added courses like Translation & Translation Studies, Theatre & Performance, Effective Tools for Career Management & Development and Psychological Testing as well as Foreign Language course with an option of choosing French or German, for III year students keeping in mind the industry needs of the global world.

➢ Facilities: labs and Software

The Department possesses well-equipped library, language and psychology laboratory.

Language Laboratory

Language Laboratory has been established in January 2017. Five software applications have been purchased by the department which would cater to teach different linguistic requirements pertaining to diverse professional pursuits and examinations. The lab has 31 PCs with one Teacher console and 29 Students' terminals. The Lab is fully equipped to teach 3 other foreign languages viz. French, German and Chinese apart from English Language in British, American and Indian Accents.

In this academic year, 25 tutorial classes have been conducted every week for B.Tech 1st year students registered in English. The students have learnt the nuances of pronunciation, have been trained in comprehension of British accent, American accent and Indian accent of English and have learnt to speak the correct English with proper intonation, stress and rhythm.

The laboratory has the following items:

Hardware:

Server PC	1
Teacher's Console	1
Students' Terminals	29
Headphones with Mic	30

Software:

Sanako Study 1200

Sanako Pronounce

Sky Pronounce

Sky Read Up Speed Up

Sky IELTS

Languages:

English (UK, US, Indian)

German

French

Chinese

Psychology Lab

Psychology Lab caters to developing the psychological understanding of human minds around us through various tools and mechanisms. The development of professional skills begins with the student contacting prospective sites and arranging for a semester-long experience that involves observation and participation in the activities. In addition to cultivating professional relationships and learning about the complexities of those relationships, students have the opportunity to discover if a particular site experience matches their own strengths and interests. As a result, the practical program facilitates the decision-making process for students. Further the practical program emphasizing and strengthening ties to the surrounding community.

The purpose of the psychological testing is to provide an opportunity to develop practical knowledge and skills. After studying this, the students are able to learn how to interact with others, and understand as to how their features of personality influence others. They can also identify how psychologists study human behaviour and how this knowledge can be used to explain, predict, and influence behaviour. They can think critically and are able to analyze the empirical data. Further students can assess the significance and practical use of testing. The following testing tools are available in the Psychology Lab:

- Test of Memory and Learning - Second Ed. (TOMAL-2)
- Developmental Test of Visual Perception – Adolescent and Adult
- Brief Visuo-spatial Memory Test-Revised
- Emotions & Expressions
- Children's Academic Intrinsic Motivation Inventory
- Problem Solving Picture Cards
- Personality Assessment Inventory (PAI)
- Bhatia Battery of Performance Intelligence Test
- Indian Adaptation of the Multidimensional Aptitude Battery - MAB – II
- Social Skills Inventory
- Evaluating Acquired Skills in Communication - Third Edition (EASIC–3)
- Binet Kamat Intelligence Test (BKT)

Faculty Activities:

Participation by Department faculty in Seminars, Symposiums, Conferences

International

S. No.	Name	Event	Date	Venue
1	All faculty members	International Conference on Translation across Cultures: Dissolving Boundaries - Creating Harmony	4-6 October 2018	JIIT Noida
2	Dr Mukta Mani	Two-day International Conference on Sustainable Development and Social Innovation in Business	25th to 26th February, 2019	University School of Business, Chandigarh University, Chandigarh.
3	Dr Monali Bhattacharya	5th JGU International Literary Conference	March 1-2, 2019	O.P. Jindal Global University
4	Dr Mukta Mani	3rd International conference on "Rethinking Innovation: Role of Management & Technology in Modern Business Practices"	March 14-15, 2019	Amity College of Commerce & Finance, Amity University, Noida
5	Dr. Santoshi Sengupta	Maximizing Non-Aeronautical Revenue Summit	19 June 2019	Equip Global, Singapore
6	Dr. Santoshi Sengupta	Cyber Security for Airports Summit	20 June 2019	Equip Global, Singapore

National

S. No.	Names	Event	Date	Venue
1.	All faculty members	Faculty Development Programme on Innovative Teaching and Research	09-14 July 2018	JIIT Noida
2	All faculty members	Workshop on Methods, Tools and Techniques in Qualitative Research	6-8 September 2018	JIIT Noida
3	Dr. Santoshi Sengupta	45th National Management Convention: Leadership in the Age of Disruption –India @ 2030 – Creating a USD 10 trillion economy	26- 27 September 2018	Hotel Taj Palace, New Delhi
4	Dr. Swati Sharma	45th National Management Convention: Leadership in the Age of Disruption –India @ 2030 – Creating a USD 10 trillion economy	26 and 27 September 2018	Hotel Taj Palace, New Delhi
5	Dr Sakshi Varshney	Two days Workshop on Current Aspects of Research Evaluation and Plagiarism	November 30 and December 01, 2018	JIIT128, Noida.
6	Dr. Santoshi Sengupta	3-day Workshop on Management Research in the Indian Context: Opportunities and Challenge	4-6 January 2019	IIM Ahmedabad
7	Dr. Santoshi Sengupta	AIMA's 5th National Leadership Conclave and 10th Managing India Awards	8-9 April 2019	Hotel Taj Palace, New Delhi
8	Dr. Swati Sharma	AIMA's 5th National Leadership Conclave and 10th Managing India Awards	8-9 April 2019	Hotel Taj Palace, New Delhi

Departmental initiatives: Guest speakers, seminars, talks, workshops and conferences conducted in the department

Conference/ Seminar

Date	Event	Organised by	Detail
October 4-6, 2018	International Conference on Translation across Cultures: Dissolving Boundaries - Creating Harmony	Convenor: Prof. Alka Sharma Co-ordinators: Dr. Monali Bhattacharya, Dr. Nilu Choudhary, Dr. Ekta Srivastava	This conference attempted to bring together various disciplines, multiple cultures and countries and diversified human minds under one roof. It sought to deliberate, discuss and channelize a broader vision of One World: Unique Culture - Lets Translate into Unified Universals. Accordingly themes were built around the academic disciplines of Literature, Language, History, Geography, Sociology, Linguistics, Arts, Media studies and Technology but all embodying the principles of Translating Cultures, Unifying Mankind. The event witnessed 3 Key-note speakers apart from 8 speakers in different plenary sessions. The Abstract Booklet published 105 Abstracts. In 10 different tracks 85 papers were presented.

Workshops/ Competitions

Date	Name	Organised by	Detail
July 9 – 14, 2018	Faculty Development Programme on Innovative Teaching and Research	Convenor: Prof Alka Sharma Coordinators: Dr Kanupriya M. Bakhru & Mrs. Anshu Banwari	The objectives of this programme: • To broaden and enhance the teaching and research skills of the teachers by exposing them with appropriate skills pertaining to teaching-learning process. • To foster innovative teaching skills like case-study methods, role-play, blended learning,clipped class room teaching etc. amongst teachers of higher education. • To strengthen functional area of expertise and focus on enhancing abilities to conduct research on topics of utmost relevance. • To facilitate and foster the required changes in the existing teaching-learning paradigm inorder to improve the quality of professional education. Resource Persons: Dr Niva Bhandari- MDI Gurgaon Dr. Virendra Singh Nirban- Birla Institute of Technology and Science Prof. Madhulika Kaushik- Wawasan Open University, Malaysia

Date	Name	Organised by	Detail
6 to 8 September 2018	Workshop on Methods, Techniques and Analysis of Qualitative Research	Convenor: Prof. Alka Sharma Coordinators: Dr. Badri Bajaj, Dr. Santoshi Sengupta, Dr. Santosh Dev, Ms Puneet Pannu	The aim of the workshop was to provide an overview of qualitative research design; its various steps in planning studies using qualitative methods and understanding different facets of writing. The three days were full of intellectually stimulating discussions, interactions and collaborative learning. The participants thoroughly enjoyed the workshop and gave positive feedback along with some constructive suggestions. Resource Person-Professor Kumar Ravi Priya, IIT-Kanpur
11 May, 2019	Workshop on Influence of Artificial Intelligence in our Living Paradigm: Future Perspective	Convenor: Prof. Alka Sharma Coordinator: Dr. Deepak Verma	This workshop was focused on recent advancements in the field of Artificial Intelligence. The workshop has emphasized on the basic understanding of Artificial Intelligence and how some technological breakthroughs are going to positively impact our daily lives. Resource person: Mr. Kshitij Mishra, Regional Director- Systems Engineering, Avaya India Private limited.

Talks & Invited Lectures

Date	Event	Detail
15th April,2019	Invited Talk on "How to do well in Group Discussions	The resource person was Mr. Neel Panicker, Knowledge Expert, TIMES (Triumphant Institute of Management Education Pvt Ltd). Group Discussions (GD) are an integral part of the selection process of most of the top companies during placements. A GD is a forum to discuss and express your views about an issue in a logical, coherent, and mature manner. The Guest Lecture discussed Do's and Don't(Body language, eye contact, hand movement, sitting postion etc) of GD, STEPC impact in GD discussion and PRE (Point, reason and example) approach in GD. .
29th April,2019	Invited Talk on "How to do well in Personal Interview"	The talk was delivered by Ankur Jain, Chief Knowledge Expert, TIMES (Triumphant Institute of Management Education Pvt Ltd). The focus was to make the students understand the importance and the intricacies of personal interviews in the selection process to help them to put proper emphasis on preparing for interviews.

Visit of various dignitaries to the department:

S. No.	Name and Affiliation of the Dignitary	Date	Purpose
1	Mr Rahul Joshi on Art of Living	21 July 2018	Lecture/Talk
2	Mr Navin Gulia on Motivation	23 July 2018	Lecture/Talk
3	Mrs. Manju Rai on Soft Skills	25 July 2018	Lecture/Talk
4	Padmashree Shovna Narayan on Indian Culture	25 July 2018	Performance
5	Ms. Sandra on Overcoming Fear	26 July 2018	Lecture/Talk
6	Dr Niva Bhandari, MDI, Gurgaon on Bloom's Taxonomy	9 July 2018	Workshop

S. No.	Name and Affiliation of the Dignitary	Date	Purpose
7	Dr Virendra Singh Nirban from BITS, Pilani on Digital Humanities	10 July 2018	Workshop
8	Prof Madhulika Kaushik on Open Source	11 July 2018	Workshop
9	Prof Kumar Ravi Priya, IIT Kanpur on Qualitative Research	6-8 September 2018	Workshop
10	Padmashree Keki N Daruwalla	4 October 2018	Chief Guest/ Inaugural Talk in International Conference, ICTAC
11	Prof. Sharmani Patricia Gabriel, University of Malaysia, Malaysia on "After the Original: Cultural Translation and "The Other""	4 October 2018	Lecture/Talk
12	Prof. Jagdish Batra, O P Jindal University on Linguistic, Cultural and Political Acts in Translating Literary Texts: Prizes and Pitfalls	4 October 2018	Lecture/Talk
13	Prof. Nibir Ghosh (UGC Emeritus Professor & Eminent Critic), Agra College on Culture, Universal Harmony and the 'Mending Wall' Syndrome	4 October 2018	Lecture/Talk
14	Padmashree Vidushi Sumita Guha	4 October 2018	Performance
15	Prof. V. Ganesan, Former Vice Chancellor, CIEFL & Professor Emeritus, Georgia State University, Atlanta on Translation & Multi-cultural Competence: Indian Tradition & Experience	5 October 2018	Lecture/Talk
16	Prof Sonjoy Dutta Roy, University of Allahabad on Narratives Across Culture: The Oral and The Written	5 October 2018	Lecture/Talk
17	Prof. Anju Sehgal, Director, Foreign Languages, IGNOU on Translation & Foreign Languages	5 October 2018	Lecture/Talk
18	Prof. Saugata Bhaduri, JNU, Delhi on Carrying Across: Translation as Ethics	5 October 2018	Lecture/Talk
19	Prof. Saba Bashir, Writer & Visiting Faculty, Jamia Milia Islamia University, Delhi on In Search of Equivalence: Unravelling the Element of Untranslatability	6 October 2018	Lecture/Talk
20	Prof. V.P.Singh, University Of Allahabad on Globalization & Translation: New Paradigms	6 October 2018	Lecture/Talk
21	Prof. M.J. Warsi, Aligarh Muslim University, Aligarh, Former Professor, Washington University of St. Louis, USA on Translation Across Cultures: The Construction and Representation of Linguistic and Cultural Diversity	6 October 2018	Lecture/Talk
22	Prof. Girish Nath Jha, JNU	6 October 2018	Valedictory Talk in International Conference ICTAC
23	Prof. Che-Jen Su from Fu Jen Catholic University, New Taipei City, Taiwan	23 January 2019	Discussion on Collaborative Research

Any other achievements:

Prof. Alka Sharma	Member, Board of Studies and Selection Committee, Jaypee University of Information Technology, Waknaghat
	Member, Board of Studies and Selection Committee, Jaypee University, Anoopshahar
	Member, Board of Studies and Selection Committee,
	Amity university, Noida
	Member, Board of Studies and Selection Committee,
	Sharda University, Noida
Dr. Sakshi Varshney	Member, Board of Studies, Commerce, Jaypee University, Anoopshahar
Dr. Amba Agarwal	Member, Board of Studies, Economics, Jaypee University, Anoopshahar
Dr. Santoshi Sengupta	Keynote speaker, at Maximizing Non-Aeronautical Revenue Summit in Singapore organized by Equip Global on 19 June 2019
	Keynote speaker and Panellist at Cyber Security for Airports Summit in Singapore organized by Equip Global on 20 June 2019
	Key resource person for conducting workshop on Happiness and Well-being for medical students in Government Medical College, Kannuaj, Uttar Pradesh on 1 June 2019
	Key resource person for conducting 2-day training on Mentoring and Coaching for senior level managers in Engineers India Limited, Gurgaon on 25-26 June 2019
Dr Monali Bhattacharya	Plenary Speaker at 5th JGU International Literary Conference organised on March 1-2, 2019 at O.P. Jindal Global University and delivered a talk entitled 'Children's Literature: Then & Now'
Dr Mukta Mani	Delivered talk as panellist and moderator in panel discussion titled "Digitalization and Financial Inclusion" in 3rd International conference on "Rethinking Innovation: Role of Management & Technology in Modern Business Practices" held on March 14-15, 2019 organized by Amity College of Commerce & Finance, Amity University, Noida.
Dr Badri Bajaj	Delivered a talk on "Coaching Psychology" for International Coach Federation, New Delhi on 20 October 2019

JAYPEE BUSINESS SCHOOL

Jaypee Business School (JBS) was started in the year 2007 as a constituent of Jaypee Institute of Information Technology (declared deemed to be University u/s 3 of the UGC act). Now it has established itself amongst the new generation of B-schools in India. The MBA program of JBS train students to successfully manage, lead, organize and adapt in the changing business scenario. The programs equip the students with practical skills as well as theoretical knowledge.

Vision

To be a centre of excellence for grooming management professionals for providing leadership in industries organizations and venture into entrepreneurship.

Mission

MISSION 1: To offer management education for enhancing knowledge and skills across functional areas through benchmarked curriculum using innovative teaching learning methods.

MISSION 2: To conduct contemporary and futuristic interdisciplinary research in areas of management.

MISSION 3: To interact with industry and other stakeholders and establish effective linkages for professional and entrepreneurial enrichment of management professionals.

Master of Business Administration (MBA) Programme

The two years full time MBA programme is the flagship programme of the business school. The curriculum is structured around trimester system with six trimesters in two years. In the first year, the students are offered the foundation courses in management as compulsory courses. In the second year a student is required to complete elective courses from functional and sectoral domains, along with few core courses of integrative nature. In addition these courses students are required to complete social and corporate internships and comprehensive viva-voce.

The MBA program of JBS train students to successfully manage, lead, organize and adapt in the changing business scenario. The programs equip the students with practical skills as well as theoretical knowledge.

2017-19 Batch:

Tenth batch of 48 students were selected through the rigorous admission process. The batch comprises of students from diverse academic background across all undergraduate programmes with balanced gender representation. Students registered themselves in this batch on June 30, 2017 and their second year classes began after completing first year along with their corporate internship. Remaining chose the following specialization.

Functional Specialization	No. of Students
Finance	14
Marketing	30
Human Resource Management	4
Total	48
Sectoral Specialization	No. of Students
Financial Services	6
International Business	13
Business Analytics	29

2018-20 Batch:

Eleventh batch of 68 students were selected through the rigorous admission process conducted during January – June 2018. The batch comprises students from different academic background across all undergraduate programmes with balanced gender representation. Students registered themselves in this batch on June 27, 2018 and their first trimester started after two days long orientation programme

Doctor of Philosophy (Ph.D.) Programme

JBS offers Ph.D. programme in all functional areas of management. Admission to the Programme is through qualifying either NET / SLET / UGC / CSIR (JRF) or the admission test conducted by the university. Preference is given to the candidates who are willing to register full time, however limited number of candidates may be admitted on part time basis. Full time scholars are paid a monthly stipend.

Each student registered for PhD is assigned a PhD supervisor from amongst the faculty member by respective Department Heads or Director of School, and in addition is also provided with a two member Doctoral Progress Monitoring and Advisory Committee (DPMAC). The programme is quite rigorous as the scholars are expected to undertake stipulated course work and present their progress every 6 months in the Review Seminar before the DPMAC. The scholars are required to take up intensive research work under the guidance of a supervisor on a specific topic for a minimum period as specified in the Ph.D. Program Ordinance. Scholars are expected to secure a minimum of B+ grade in following compulsory courses offered in a trimester mode. Besides these compulsory courses DPMAC may recommend elective courses deemed necessary.

- Advanced Research Methodology
- Literature Survey & Seminar
- Ethics, Intellectual Property Issues and Plagiarism
- Quantitative Techniques & Software Applications
- Survey Development & Analysis

In this academic year total numbers of Ph.D. scholars were 30 out of which 5 scholars completed their thesis requirements for the award of Ph.D. degree.

➢ **IT Infrastructure and Facilities**

JBS is one of the few Indian B-School which can boast of its state-of-the-art computing resources and network across the campus. It has Central IT Infrastructure for IT support. The main objectives of the dedicated Server Room (IT Infrastructure Center) are to provide easily accessible and excellent computational facilities, support to all members on all aspects of academic, research and recreational requirements, to implement and maintain IT Infrastructure and application software, to impart introductory and advanced instructions to users, generate trained manpower to maintain IT Infrastructure (Servers, Desktops, Data Security, University Network), to provide support to Institute computerization efforts, to do in house research & development, and to serve a user population of more than 4500 users consisting of undergraduate, postgraduate, research

scholars, faculty and staff of the University. In addition, it also owns the responsibility to develop and implement application software for various needs of University like finance, payroll, results, MIS reports and electronic attendance system etc.

➢ **Laboratory:**

Jaypee Business School has 2 laboratories providing computational facility of more than100 computer nodes interconnected via LAN. These nodes are running on the Windows 2010 platform and are equipped with state of art software, like SPSS and AMOS. JBS puts a great emphasis on laboratory work. While laboratories are also used for developing skills to use and apply various concepts, tools and techniques, their main purpose is to develop the general professional competencies through experiential and collaborative learning.

➢ **Visiting/Guest Faculty**

In order to provide contemporary industry perspective to the students, senior practitioners/executives from different industries were invited to interact with the students at following two levels:

Visiting Faculty: The executive from the industry and academicians were invited to teach full course to the students. A list of visiting faculty who taught to MBA students in this academic year are;

Name	Course Title	Period
Dr. Patrick McNamara, Professor, University of Nebraska, Omaha, USA.	Social Entrepreneurship	July-2018
Dr. Michael Leslie, Professor, Florida State University, USA	Leadership	July-2019
Mr. Daya Prakash, Founder and CEO, ADP Infosystems, Noida	Integrating information system into Business	July-Sept -2018
Mr. Rajiv Garg – Executive Director and-CIO of BHEL	Management Information System	Oct-Dec -2018

Guest Lectures: Distinguished experts from industry and academia were invited to conduct sessions on contemporary issues prevailing in business from time to time. A list of guest faculty who interacted with JBS students is as under:

S. No.	Name	Designation	Company	Date of Visit
1	MR. Sumit Soni	Former Commercial Director	Benneton	July 24, 2018
2	Mr. Paritosh Rohatgi	- Founder & CEO	Neem Karoli	August 04, 2018
3.	Mr. Shubh Narayan Singh	Consulting LLP	S3 Infotech Pvt Ltd.	August 04, 2018
4	Mr. Shushank Ravi Arora	Senior HR Executive	Wipro Limited	October 06, 2018
5	Mr. Abhishek	Founder and CEO	Zigram	Oct 28, 2018
6	Mr. Vivek Bharat	AVP –	Kotak Life	Nov 23, 2018
7	Mr. Vivek Agarwal	Founder	LiQuid	Nov 27, 2018
8	Mr. Amit Kumar Shukla	Corporate Strategy and planning	GMR group	Jan 19, 2019
9	Mr. Arvind Bhatia	GM Sales and Marketing	Accord Fintech	Jan 31, 2019

Seminars and Workshops

These activities are organised for the students to participate and learn contemporary issues and skill sets required for grooming them beyond classroom.

Workshop on "Entrepreneurship Skills" during 21. August 2018

Speakers: Mr. Samrat Sharma (Go-News) , Dr. S. Suresh, Prof. G.K Agarwal, and Prof. (Dr.) Rajnish Kumar Misra of JBS, Coordinated by Dr. S. Suresh.

Industry Visit - August 21, 2018

JBS students for an industrial visit at the India International Trade Fair at the expo centre at Greater Noida interacting with the exhibitors. MBA (Final Yr) Students undergoing a session on MICE at the Expo-centre at Greater Noida gaining insights from the experts of the business world.

Industry Visit to Mother Dairy Plant - March 11th 2019

Mother Diary Plant visit was arranged for the students of MBA 2018-20 Batch. The visit gave the students an understanding of the scale of production, pasteurization and homogenization of milk which is carried out by performing various procedures on Milk. The distribution of milk through special refrigerated trucks is carried out. The tour ended with the guide telling us how simple chemical analysis can be performed to check the purity of milk. The visit was very informative and enjoyable for the students and faculty members involved.

Industry Visit to Dadri Inland Container Depot - December 19th 2018.

Industry Visit to Dadri Inland Container depot was organized for students of Operations and International Business. In the visit they learnt about International and National Port Operations and understood the importance of Inland Dry Port in nations trading system. The students also visited a warehouses to see how different items were stacked in various pallets and understood the importance of palletization for cargo handling. The visit also contained a round through the Refrigerated warehouse to appreciate how refrigerated warehousing works. .

Faculty Development Programme

Competency Development Programme on Research Methodology and Data Analysis – June 17-22, 2019

This programme was designed to provide an exposure to the participants on research problem formulation, application of appropriate research design and skills for data generation, data processing and statistical analysis at both; basic and advance level. The CDP was intended to sharpen teaching and research skills of teachers, researchers and trainers, so that they are able to publish their research work in SCOPUS/WoS/ICI/UGC indexed journals. This is the fifth Competency Development Programme that Jaypee Business School has organized. This year the programme received an overwhelming response from the participants. The participants were from different states of India. Certificate of participation were given to the participants after the completion of the programme. The numbers of participants in the programme were 16 (includes 13 external participants).

Coordinators: Dr. Moonis Shakeel and Dr. Rajnish Kumar Misra

Publications with JIIT Affiliation during academic year 2018-2019

JIIT

Table 1: Summary of Publications (January - December 2018)

International Journal

S. No.	Full Reference	Unique ID
1	Aggarwal, A. K. and Dixit, D. "Effect of Suspended Particles on Thermosolutal Convection of Rivlin-Ericksen Fluid in Porous Medium with Variable Gravity" Int. J. of Applied Mechanics and Engineering, vol.23, No.3, pp.813-820, 2018.	18AAEOMAIJ01
2	Arora, A.., "Test Case Generation Using Progressively Refined Genetic Algorithm for Ajax Web Application Testing. Recent Patents on Computer Science", 11(4), 276-288.[Indexed in Scopus; H index:9], 2018.	18AATCCSIJ01
3	Bhatnagar, A., Gambhir, V., and Thakur, M. K., "A new perspective to Stable Marriage Problem in profit maximization of matrimonial websites," Journal of Information Processing System, Vol. 14, No. 4, pp. 961-979, 2018.	18ABANCSIJ01
4	A. Bhagat and Rachana "Bromhexine: a comprehensive review". Int J Biol Med Res. vol 9(3): pp 6455-6459, 2018	18ABBABIIJ01
5	A. Banerjee, K. Thapliyal, and A. Pathak. "Quantum Conference." Quantum Information Processing, vol. 17, pp. 161, 2018. (Indexed in SCOPUS, Impact Factor = 2.17).	18ABQCPHIJ01
6	Bhardwaj, Anuj; Verma, Vivek Singh; Jha, Rajib Kumar, "Robust video watermarking using significant frame selection based on coefficient difference of lifting wavelet transform", Multimedia Tools and Applications, 77, pp. 19659-19678, 2018.	18ABRVMAIJ01
7	Bhatt AJ, Gupta C, Mittal S. "iABC: Towards a hybrid framework for analyzing and classifying behaviour of iOS applications using static and dynamic analysis". Journal of Information Security and Applications 2018 Aug 1; Volume 41: pp. 144-158. Elsevier, UK https://doi.org/10.1016/j.jisa.2018.07.005	18ABTACSIJ01
8	A. Chhabra and V. Rani, "Gel-based gelatin zymography to examine matrix metalloproteinase activity in cell culture," in Methods in Molecular Biology, vol. 1731, pp. 83–96,2018.	18ACGBBIIJ01
9	Gupta A., Gupta C., "A Collaborative Situational Method Engineering Approach for Requirement Gathering: A Re-Defined View", International Journal of Information Retrieval Research, vol. 8(1), pp. 1-19, 2018.	18AGACCSIJ01

S. No.	Full Reference	Unique ID
10	Gupta A., Gupta C., "A Collaborative Approach for Improvisation and Refinement of Requirement Prioritization Process" Journal of Information Technology Research, Vol. 11(2), pp.128-149, 2018.	18AGACCSIJ02
11	A. Gupta, and D. Singhal, "Analytical Median Filtering Forensics Based on Moment Histograms" ACM Transactions on Multimedia Computing, Communications, and Applications, vol. 14, no. 2, pp. 44:1-44:23, May 2018.	18AGAMECIJ01
12	Gupta, A., Gupta, C., "CDBR: A semi-automated collaborative execute-before-after dependency-based requirement prioritization approach", Journal of King Saud University – Computer and Information Sciences, 2018.	18AGCACSIJ01
13	A. Gupta "Miniaturized dual-band metamaterial inspired antenna with modified SRR loading", International Journal of RF and Microwave Computer Aided Engineering, Wiley Journals, Vol. 28, No. 6, Aug. 2018.	18AGMDECIJ01
14	Gupta AK., Sardana N., "Prediction of Missing Links in a Social Networks: FINN (Feature Integration with Node Neighbor)", International Journal of Web Based Communities, vol.14, No.1, pp 38, Inderscience, 2018.	18AGPOCSIJ01
15	Amit Kumar Goyal, H. S. Dutta, and S. Pal, "Porous photonic crystal structure for sensing applications," J. Nanophoton., vol. 12(4), pp. 040501, 2018. DOI: 10.1117/1. JNP.12.040501	18AGPPECIJ01
16	Amit Garg and Vineet Khandelwal, "Speckle Noise Reduction in Medical Ultrasound Images Using Modelling of Shearlet Coefficients as a Nakagami Prior", Advances in Electrical and Electronic Engineering , vol. 16, no. 4, pp. 538-549, Dec 2018.	18AGSNECIJ01
17	A. Ibeyaima, J. Rana, A.K. Dwivedi, Saini N., S. Gupta, I.P. Sarethy."Pseudonocardiaceae sp.TD-015 from the Thar Desert, India: Antimicrobial activity and identification of antimicrobial compounds", Current Bioactive Compounds. vol. 14(2), 112-118, 2018. DOI: 10.2174/1573407213666170104124315. [Indexed in SCOPUS].	18AIPSBIIJ01
18	A. Ibeyaima, A.K. Singh, Rup Lal, S. Gupta, M. Goodfellow, I.P. Sarethy "Saccharothrix tharensis sp. nov., an actinobacterium isolated from the Thar Desert, India" Antonie Van Leeuwenhoek, Vol. 111, issue 11, pp. 2141-2147, 2018. https://doi.org/10.1007/s10482-018-1106-9, 2018.	18AISTBIIJ01
19	A. Jain and V. Rani, "Anti-hypotensive drug induced cardiotoxicity: an in vitro study," Vitr. Cell. Dev. Biol. - Anim., vol. 54, no. 2, pp. 92–98, 2018.	18AJAHBIIJ01
20	A. Jain and V. Rani, "Assessment of herb-drug synergy to combat doxorubicin induced cardiotoxicity," Life Sci., vol. 205, pp. 97–106, 2018.	18AJAOBIIJ01
21	A. Jain and V. Rani, "Curcumin-mediated effects on anti-diabetic drug-induced cardiotoxicity," 3 Biotech, vol. 8, no. 9, 2018.	18AJCMBIIJ01
22	A. Jain and V. Rani, "Mode of treatment governs curcumin response on doxorubicin-induced toxicity in cardiomyoblasts," Mol. Cell. Biochem., vol. 442, no. 1–2, pp. 81–96, 2018.	18AJMOBIIJ01
23	Jain, A., & Arora, A. (2018). Named Entity Recognition in Hindi Using Hyperspace Analogue to Language and Conditional Random Field. Pertanika Journal of Science and Technology, 26(4), 1801-1822. [Indexed in Scopus; H index: 8]	18AJNECSIJ01
24	Jain, A., & Arora, A. (2018). Named Entity System for Tweets in Hindi Language. International Journal of Intelligent Information Technologies (IJIIT), 14(4), 55-76, IGI Global.[Indexed in Scopus, ESCI, DBLP, ESCI; H index:12]	18AJNECSIJ02
25	Jain, A., Tayal, D.K., Arora, A. (2018). OntoHindi NER – An Ontology Based Novel Approach for Hindi Named Entity Recognition. International Journal of Artificial Intelligence (IJAI), 16(2), 106-135. [Indexed in Scopus; H index:17]	18AJONCSIJ01

S. No.	Full Reference	Unique ID
26	A. Kumar, G. Verma, M. K. Gupta, M. Salauddin, B. K. Rehman, and D. Kumar, "3D Multilayer Mesh NoC Communication and FPGA Synthesis," Wireless Personal Communications, pp. 1-19, 2018.	18AK3MECIJ01
27	Kashyap A., Agarwal M., Gupta H., "Detection of Copy-Rotate-Move forgery using Wavelet Decomposition and Zernike moments," International journal of pure and applied mathematics, Vol. 119, No. 12, pp. 12955-12967, 2018.	18AKDOECIJ01
28	Kashyap A., Agarwal M., Gupta H., "Detection of Copy-move Image forgery using SVD and Cuckoo Search," International Journal of Engineering and Technology (UAE), Vol 7, No 2.13, pp. 79-87, 2018.	18AKDOECIJ01
29	A. Kumar, and B. Chaturvedi, "Novel CMOS dual-x current conveyor transconductance amplifier realization with current-mode multifunction filter and quadrature oscillator", Circuits, Systems and Signal Processing, vol. 37, pp. 2250-2217, 2018.	18AKNCECIJ01
30	A. Kaur, P. Kumar, and G. P. Gupta, "Nature Inspired Algorithm-Based Improved Variants of DV-Hop Algorithm for Randomly Deployed 2D and 3D Wireless Sensor Networks," Wirel. Pers. Commun., vol. 101, no. 1, pp. 567–582, 2018.	18AKNICSIJ01
31	A. Kumar, B. Tiwari, S. Singh, MM Tripathi, and R. Chaujar "Radiation Analysis of N-Channel TGRC-MOSFET: An X-Ray Dosimeter" IEEE Transactions on Electron Devices. Vol.65, pp 5014-5020, 2018.	18AKRAECIJ01
32	A. Kumar, and B. Chaturvedi, "Realization of novel cascadable current-mode all-pass sections", Iranian Journal of Electrical and Electronic Engineering, vol. 2, pp. 162-169, 2018	18AKROECIJ01
33	A. Kumar, MM Tripathi, and R. Chaujar "Ultralow-power dielectric-modulated nanogap-embedded sub-20-nm TGRC-MOSFET for biosensing applications" Journal of computational electronics, Springer. Vol 1, pp 1807-1815.	18AKUPECIJ01
34	A. Negi, P. Singh, N. Taneja, S. Mani, "Molecular-Docking Study of Anti-Stress Natural Compounds Against GABAa Receptor Portends the Novel Approach to Stress Treatment". Journal of Applied Pharmaceutical Science . Vol 8, pp. 38-43, 2018	18ANMDBIIJ01
35	Amarjeet P, Chhabra J.K, "A Particle Swarm Optimization-Based Heuristic for Software Module Clustering Problem" ,Arabian Journal for Science and Engineering, vol. 43, no. 12 pp. 7083–7094, Dec. 2018.	18APAPCSIJ01
36	A. Pathak and A. Ghatak. "Classical light vs. nonclassical light: Characterizations and interesting applications." Journal of Electromagnetic Waves and Applications, vol. 32, pp. 229-264, 2018.	18APCLPHIJ01
37	A. Pughat and V. Sharma, "Integrated Fuzzy Control to Power Management on Event Based Wireless Sensor Node model", Journal of Information Science and Engineering, vol. 34, no. 4, pp. 835-849, 2018.	18APIFECIJ01
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14	K. Chakravarty, S. Gaur, "Fungal endophytes as novel sources of anticancer compounds" In: Anticancer Plants: Natural Products and Biotechnological Implements (Eds. M K Swamy, S Akhtar), Springer, pp 01-18, 2018.	18KCFEBIBC01
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17	Goyal, Mukta, and K. Rajalakshmi. "Personalization of test sheet based on bloom's taxonomy in e-learning system using genetic algorithm." Recent Findings in Intelligent Computing Techniques. Springer, Singapore, 2018. 409-414.	18MGPOCSBC01
18	Mani, M., "Entrepreneurship Education in Engineering Curriculum: Some Insights into Students' viewpoints", Entrepreneurship, Collaboration, and Innovation in the Modern Business Era, M. Khosrow-Pour, Ed., USA, IGI Global, April 2018, Ch. 12, pp. 243-261	18MMEEHSBC01
19	Aggrawal, N., Arora, A., Anand, A., & Irshad, M. S. (2018). View-count based modeling for YouTube videos and weighted criteria–based ranking. In Advanced Mathematical Techniques in Engineering Sciences (pp. 149-160). CRC Press. [Indexed in Scopus]	18NAVCCSBC01
20	Baliyan, N., & Verma, A. Recent Advances in the Evaluation of Ontology Quality. Semantic Web Science and Real-World Applications, pp. 326, 2018.	18NBARCSBC01
21	N. Muchhal, T. Agrawal, A. Kumar, A. Chakraborty, S. Srivastava, "Slot Integrated Folded Substrate Integrated Waveguide Bandpass Filter for K Band Applications," in Advances in Signal Processing and Communication, Aditya Trivedi,Sanjeev Manhas,Vikram Karwal Banmali S. Rawat, Ed. Noida, India: Springer, 2018, pp. 117-124.	18NMSIECBC01
22	Singh N., Sengupta S., Dev S., "Toxic leadership: the most menacing form of leadership", Dark Sides of Organziational Behavior and Leadership, pp. 1-18, Intech Open, 2018.	18NSTLHSBC01
23	Om Navin, Gautam Kumar, Nirmal Kumar, Kuldeep Baderia, Ranjeet Kumar, Anil Kumar, R-peaks Detection using Shannon Energy for HRV Analysis, Advances in Signal Processing and Communication. Lecture Notes in Electrical Engineering, vol 526. Springer, Singapore	18ONRDECBC01
24	Kumar, P., & Sinha, A. (2018). Business-Oriented Analytics With Social Network of Things. In Social Entrepreneurship: Concepts, Methodologies, Tools, and Applications (pp. 524-545). IGI Global. [Scopus]	18PKBOCSBC01
25	Mehndiratta, P., Sachdeva, S. Analysis of Social Networks for the identification of Sarcasm. In Social Network Analytics for Contemporary business Organizations. IGI Global. ISBN: 9781522550976.	18PMAOCSBC01

S. No.	Full Reference	Unique ID
26	Srivastava, P. K. , Bisht, D. and Ram, M., "Soft computing techniques and applications," in Advanced Mathematical Techniques in Engineering Sciences, Taylor & Francis Group, pp. 57-69, 2018.	18PSSCMABC01
27	Banga, Ritu, Akanksha Bhardwaj, Sheng-Lung Peng, and Gulshan Shrivastava. "Authorship Attribution for Online Social Media." In Social Network Analytics for Contemporary Business Organizations, pp. 141-165. IGI Global, 2018.	18RBSOCSBC01
28	Jacob, R. and Sharma, A., (2018) 'Naming Food and Creating Identity in Transnational Contexts'. in Language and Literature in a Glocal World ,pp. 99-113. Springer, Singapore.	18RJNFHSBC01
29	R. Kaur, H. Kaur, R. Rajput, S. Kumar and M. Singh, "Neurodegenerative Disorders Progression: From Synaptic Dysfunction to Transmission Failure", in Handbook of Research on Critical Examinations of Neurodegenerative Disorders, Editor: Md. Sahabuddin, Apple Academic Press, Chapter - 6, Pg 129-152, 2018	18RKNDBIBC01
30	R. Rajput, R. Kaur, R. Chaddha, S. Mani, Rachana, H. Kaur and M. Singh, "The Aging Brain: From Physiology to Neurodegeneration", in "Handbook of Research on Critical Examinations of Neurodegenerative Disorders", Editor: Md. Sahab uddin, Apple Academic Press, Chapter – 1, Pg 1-23, 2018	18RRTABIBC01
31	Alavi S.,"Employee Online communities- A tool for Employee Engagement and Retention", Multidisciplinary Perspectives on Human Capital and Information Technology, ,p.p 57-71 , February , 2018(Indexed in Scopus)	18SAEOHSBC01
32	S. Bajpai, P. Gauba "Need for Phytoremediation" Research Trends in Environmental Science (Volume - 2) 87-104',2018.	18SBNFBIBC01
33	Jain, S., & Sinha, A. (2018). Social Network Analysis: Tools, Techniques, and Technologies. In Social Network Analytics for Contemporary Business Organizations (pp. 1-18). IGI Global.	18SJSNCSBC01
34	lal S., Sardana N., Surekha A., Logging Analysis and Prediction in Open Source Java Project , Optimizing Contemporary Application and Processes in Open Source Software, pp. 57-85, IGI, Feb 2018.	18SLLACSBC01
35	S. Mani, N. Taneja, S. Jain, M. Singh, "Anticancerous plant compounds affecting the power house of cancerous cells: A possible "Herbal Mitocan"., Anticancer Plants: Mechanisms and Molecular Interactions- Vol. 4, pp. 227-258., Springer, Singapore, 2018.	18SMAPBIBC01
36	S. Mohanty, K. Singhal, "Functional Foods As Personalised Nutrition: Definitions and Genomic Insights". In Functional Food and Human Health (pp. 513-535). 2018. Springer, Singapore.	18SMFFBIBC01
37	S. Sachdeva, S. Chowdhury, S. Shekhar, G. Verma, "Design and Implementation of a Green Traffic Light Controller on FPGA Using VHDL". In: Muttoo S. (eds) System and Architecture. Advances in Intelligent Systems and Computing, vol 732, 187-192, 2018, Springer, Singapore.	18SSDAECBC01
38	S. Srivastava, G. Jain, S. Dang, S. Gupta and R. Gabrani, "Phytochemicals Targeting ER Stress to Inhibit Cancer Cell Proliferation" In "Anticancer Plants: Natural Products and Biotechnological Implements"Editors: M. S. Akhtar and M. K. Swamy Vol. 2, 2018.	18SSPTBIBC01
39	Sengupta, S., and Patel, P., "Revisiting Team Engagement in the Indian Start-up Context: Exploring the Potential Antecedents", in Indian Management Perspectives & Models, 2018. Bloomsbury India, pp. 109-124. ISBN No. 978-93-87863-25-5.	18SSRTHSBC01

S. No.	Full Reference	Unique ID
40	Tanvi Agrawal, Nitin Muchhal, Shweta Srivastava, "Novel Substrate Integrated Waveguide incorporated with Band Pass Filter", published in Springer-International Conference of Signal Processing and communication, Jaypee Institute of Information Technology, 21-23 March 2018.	18TANSECBC01
41	Vimal Kumar Mishra, Narendra Yadav, Kushal Nigam, Bajrang Bansal and R. K. Chauhan, "Analysis of RSNM and WSNM of 6T SRAM cell using Ultra Thin Body FD-SOI MOSFET, Advances in Signal Processing and Communication, Lecture Notes in Electrical Engineerin, Vol 526, pp- 619-627, 2018	18VMAOECBC01
42	V. Rani, A. Arora, P. H. Ruba, and A. Jain, "Composition of Functional Food in World Diet," in Functional Food and Human Health, pp. 3–14, 2018	18VRCOBIBC01

Book Publication

S. No.	Full Reference	Unique ID
1	H. Banati, S. Mehta, P. Kaur, "Nature Inspired Algorithms for Big Data Frameworks", IGI Global, USA, 2018.	18HBNICSBO01
2	Himani Bansal, Gulshan Shrivastava, Nhu Nguyen Gia, Loredana-Mihaela Stanciu, "Social Network Analytics for Contemporary Business Optimization", Advances in Business Information Systems and Analytics (ABISA) book series, (ISBN: 9781522550976), Hardcover Edition , IGI Global USA, 2018.	18HBSNCSBO01
3	Richa Gupta and Bhawna Gupta, "Introduction to Digital Systems", Satyam Books Pvt. Ltd., First Edition, ISBN-13: 9789383043231, ISBN-10: 9383043237, 2018.	18RGITECBO01
4	Sarika Aggarwal, Himani Bansal, "Core Java in Depth", ISBN: 9789386551573, Paperback Edition, BPB Publications, 2018.	18SACJCSBO01
5	Vandana Ahuja and S. Rathore, Edited book titled" Multidisciplinary Perspectives on Human Capital and Information Technology Professionals" IGI Global Publication, 2018.	18VAMPJBBO01
6	Functional Food and Human Health. Editors: Rani, Vibha, Yadav, Umesh C. S. (Eds.), 2018.	18VRFFBIBO01

CENTRES

Learning Resource Centre (LIBRARY)

The Learning Resource Centre (LRC) at JIIT 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. It is fully integrated with the latest barcode technology and international standard open source library management software "KOHA". Users can access bibliographic details of the LRC resources through OPAC anywhere, thus providing 24 hours access a day. The LRC consists of latest collection of textbooks as well as reference books, national as well as international peer reviewed journals, magazines and electronic resources on subject areas covered by the academic curricula of the Institute and other universal knowledge. LRC has also made provisions to subscribe full text science and technology on-line journals and other national and international journals in printed form. It is also an active member of Developing Library Network (DELNET) and provides inter-library loan services to its users. LRC has subscribed Anti-Plagiarism Software "Turnitin" to its users. The open access system has been adopted at all service points where users may browse and select material of their choice. LRC has implemented an anti-theft electromagnetic system at its main gate. It has undertaken two major projects for development of institutional repository for maintaining intellectual output of the institute i.e. LRC DRS and dynamic LRC website. LRC keeps itself updated Global practices with latest organizing book exhibitions/ conferences/ workshops from time to time.

Following are the current resource collection in LRC JIIT 62 and LRC JIIT 128:-

(i) Books (as per Accession Register): 58793

Department Wise

S. No.	Department	Total No. of Titles (Approx.)	Total No. of Volumes (Approx.)
1	Biotechnology	2854	7137
2	Electronics & Communication	3242	9935
3	Computer Science & IT	4519	15642
4	Mathematics	2704	6839
5	Physics, Materials Science and Engineering	1244	3654
6	Humanities and Social Science	8025	15586
	Total	22588	**58793**

Books (as per Accession Register): 13327 (Sector 128 Campus)
Department Wise

S. No.	Department	Total No. of Titles (Approx)	Total No. of Volumes (Approx)
1	Electronics & Communication	650	3974
2	Computer Science & IT	715	4274
3	Mathematics	299	1547
4	Physics, Materials Science and Engineering	189	1325
5	Humanities and Social Science	728	2207
	Total	**2581**	**13327**

(ii) Electronics Resources

ACM Digital Library

S. No.	Resources	No. of Resources
1	Journals and Transactions	58
2	Magazines	12
3	Proceedings	994
4	Newsletters	69
5	Oral History interview	10
	Total	**1143**

IEL Online/IEEE Xplore Digital Library

1	IEEE journals, transactions, magazines	222
2	IEEE conference proceedings	26700
3	IEEE published standards	4094
	Total	**31016**

Springer Link and LNCS

1	Journals	1700
2	Lecture Notes in Computer Science	9273
	Total	**10973**

Springer Nature

1	E-Journals	1728
2	Lecture Notes in Computer Science	8327
3	Nature Biotechnology	01
4	Nature Materials	01
	Total	**10057**

American Physical Society (APS)

1	Journals	14

American Institute of Physics (AIP)

1	Journals	28

ABI/INFORM Complete

1	Full text Journals	5632
2	Indian Journals	42
3	Full-Text Newspapers	40
4	Country Reports	220000
5	Country Daily Briefs	40000
6	Country Briefs	2000
7	Country Profiles	70

8	Dissertations & Theses	45600
9	Business Cases	19800
10	Market Research	4800
11	Conference Proceedings	1000
12	Annual Reports	7200
13	SWOT Analysis	1900
14	World Commodity Reports	40
15	Country Finance Reports	20
16	Country Forecast Reports	40
17	ABI/INFORM Archive	141
18	SSRN working papers	16400
	Total	**364725**

1	**ACE EQUITY DATABASE**	**1 (One)**

E-BOOKS

1	John Wiley & Sons	50
2	SIAM (Society for Industrial and Applied Mathematics)	377
3.	Pearson	204
4.	Springer Nature	259
	Total	**890**

DELNET (Developing Library Network)

DELNET is the network of more than two thousand libraries worldwide. Main and major purpose of this network is to share resources among member libraries. LRC JIIT is the member of DELNET and facilitates Inter Library Loan to research scholars and faculty members.

CDs/DVDs

There are about 5140 Approx. CDs / DVDs are available in Learning Resource Centre for users.

(iii) Print Magazines/Journals – 71 (JIIT Sector 62)

International : 5

National : 68

(iv) Print Magazines/Journals - 10 (Sector 128 Campus)

National : 10

(v) Newspapers - 42

(vi) Newspapers - 25 (Sector 128 Campus)

<p style="text-align:center">Resources Added during the year 2018-19</p>

(i) Books (as per Accession Register): 5881

Department Wise

S. No	Department	Total No. of Titles (Approx)	Total No. of Volumes (Approx)
1	Biotechnology	214	551
2	Electronics & Communication	147	876
3	Computer Science & Information Technology	288	1455
4	Mathematics	68	444
5	Physics, Materials Science and Engineering	75	329
6	Humanities and Social Science	613	1195
	Total	**1405**	**4850**

Books (as per Accession Register): 2041 (Sector 128 Campus)

Department Wise

S. No.	Department	Total No. of Titles (Approx)	Total No. of Volumes (Approx)
1	Electronics & Communication	129	967
2	Computer Science & IT	223	1072
3	Mathematics	49	328
4	Physics, Materials Science and Engineering	43	244
5	Humanities and Social Science	137	316
	Total	**581**	**2927**

IT Infrastructure Centre

JIIT is one of the few Indian universities, which can boast of its state-of-the-art computing resources and network across the campus.

JIIT has Central IT Infrastructure Center for IT support. The main objectives of the dedicated Server Room (IT Infrastructure Center) are to provide easily accessible and excellent computational facilities, support to all members of JIIT on all aspects of academic, research and recreational requirements, to implement and maintain IT Infrastructure and application software, to impart introductory and advanced instructions to users, generate trained manpower to maintain IT Infrastructure (Servers, Desktops, Data Security, University Network), to provide support to Institute computerization efforts, to do in house research & development, and to serve a user population of more than 4600 users consisting of undergraduate, postgraduate, research scholars, faculty and staff of the University.

In addition, it also owns the responsibility to develop and implement application software for various needs of University like finance, payroll, results, MIS reports and electronic attendance system etc.

General Computing Facilities.

Dedicated and secured Data centre. The Server Room is equipped with Intel Nehalem Quad-Core Servers for high performance windows 2008R2/2012/2016 Computing Server, Intel Xeon servers with multiple processors, High end Intel Pentium servers with multiple processors, various engineering and technical computing softwares, network management tools, Client/Server Database computing System connected over a switched fast Ethernet with Optical Fiber backbone. All computers are a part of Windows Domain Controller with support of additional domain controllers. For our printing needs we have 19 heavy duty Network Laser Printers, 3 Line matrix printers, 65 desktop printers and 17 multi function printers. Central Antivirus server provides security for entire network.

Hardware Configurations (Servers and Desktops).

Servers:

Sr.No.	Location	Server Configuration	Qty.
1	JIIT Sector 62	2* Intel Xeon Silver 4114 10C85W	3
		2*Intel XEON E5-2620 V4,2.0ghz	3
		Intel XEON 8C E5 Octa Core	3
		Intel Nehalem Quad-Core Servers	12
		Intel xeon processor servers	7
		Proliant ML series servers	3
		Cyberoam 1000ia Firewall	2
		Sophos XG 550 Firewall	2
2	JIIT Sector 128	Intel Xeon G5 / G7 series Dual Core	3
		2* Intel Xeon Silver 4114 10C85W	3

Sr.No.	Location	Server Configuration	Qty.
		Intel Xeon G5 / G7 series Dual Core	3
		Intel Xeon Quad Core	5
		Cyberoam 500i Firewall	2
		Total	**48**

Desktops/Laptop:

Sr. No.	Location	Server Configuration	Qty.
1	JIIT Sector 62	Intel Core i7	400
		Intel Xeon W2123 Processor	3
		Intel Xeon E3-1225 Processor	20
		Intel Core i5	581
		Intel Core i3	300
		Intel Core2Duo	181
		Laptop	10
2	JIIT Sector 128	Intel Core i7	210
		Intel Core i5	20
		Intel Core i3	470
		Intel Core2Duo	110
		Laptop	2
		Total	**2307**

Engineering, Technical Computing and General Use Softwares.

Software Name	Software Name	Software Name
3-DMax	LabView	PSPICE
Ace Equity	LANTanner	RationalRose
Adobe Software Suite	LotusDomino	SAP
ADS	Macromedia Software Suite	SigmaPlot
Animo	Mathematica	Softlink Liberty
BorlandC++	Matlab	SPSS
Gaussion	Memspro	SymantecAntivirus
HEP-I	MSOffice	Virtuoso (Cadense VLSI UG Bundle)
Illustratorpe	MSProject	VisualStudioNET
Jboss	Oracle11g	Xilinx
KEIL	Photoshop Pe	Synopsys
Adobe Acrobat DC	Corel-2019	

Database Service.

The Server Room has a Client/ Server Database Computing System- Oracle 11g with Developer 2000 version 6.0. At the front end, the platform is Windows XP / Widnows7 / Windows 8.1/Windows 10 and at the back end, Intel Xeon based RedHat Enterprise Linux.

Network Services.

The whole campus is interconnected through a highly secured Virtual Private Network, where over 3000 PCs are connected to the internet through Internet Leased link connections whilst 36 hi-end servers power the network for 100% redundancy and efficient data management. Completely automated High end Biometric systems for attendance of faculty and staff. Eight biometric reader machines have been installed in different academic blocks for capturing the attendance of the faculty and staff.58 bullet cameras, 194 dome cameras, 04 CS Mount camera, 22 DVRs to monitor the various buildings including Academic areas, Faculty residence, Hostels and grounds.

The institute Local Area Network (LAN) is a state of the art switched network with Fiber Optics Backbone and enhanced CAT6/CAT6a UTP for providing seamless connectivity. It consists of more than 8000 network access points spread using 109 Cisco Switches, 4 Routers, 288 Wireless access points and 28 VLANs to provide the needed scalability, security and traffic control. The network access is provided to every room in student's hostel, faculty

& staff residence, doctors at JIIT Hospital, cafeteria & mess (Annapurna), laboratories and rooms in guest houses.

JIIT Campus has an excellent Internet connectivity, provided through a router, Cyberoam firewall. We have 1.10 Gbps (1:1) leased circuit from BSNL NKN (1 Gbps) and AIRTEL (10 Mbps) on OFC. Apart from Internet and Intranet many more services including mail, web, library book search, domain name, anti virus and software upgrades are being provided over this network.

JIIT has SOPHOS XG-550 and Cyberoam 500i in HA mode installed for ISPs load balancing, fail over and Malware / Spyware / Spam detection, content filtering and anti-virus protection at the gateway level. Lotus Domino is being used by JIIT for its official mailing services.

Apart from above all Lecture Theaters and major class rooms are equipped with Projection System

New Additions:

Desktop Systems	:	HP-Intel core I7@7700 3.6GHZ -**200 Nos**.
		Lenovo-Intel core I7@8700 3.2GHZ -**400 Nos.**
		Dell-Intel Xeon W2123 Processor -**5 Nos.**
Server	:	2* Intel Xeon Silver 4114 10C85W -**6 Nos.**
		Sophos XG 550 Firewall -**2 Nos.**
Laptop	:	HP Probook 440G5 -**3 Nos.**
Printers Desktop	:	HP 1020+ -**7Nos.**
		HP M1005 -**9 Nos.**
		HP M154N -**2 Nos.**
Printers Network	:	Laserjet M712 -**4 Nos.**
Software	:	Adobe Acrobat DC, Corel-2019

ONGOING PROJECTS

Sl. No.	Particulars	Project Holder	DoS	DoE	Project Cost	Titled
1	DBT	Dr. Indira P. Sarethy	17-Jan-17	16-Jan-20	22,21,000	"Potentially novel carbohydrases (cellulase and related enzymes) for waste management fromfunctional metagenomics library of North East India biodiversity hotspot"
2	DST	Dr. Mukesh Saraswat	20-Mar-17	19-Mar-20	26,31,640	"Design and Development of a Cognitive System for Leukocytes Identification in Hematoxylinand Eosin (H&E) Stained Rat Skin Images"
3	DST-2	Dr. Vibha Rani	21-Jun-18	20-Jun-21	36,93,800	Investigating microRNAs as the Next Generation Therapeutic Targets in Diabetic Cardiomyopathy
4	DST	Dr. Himanshu Pandey	5-Dec-18	4-Dec-21	47,30,000	Investigation of Novel Heusler Alloy Thin films for Energy and Spintronic Applications
5	DRDO	Dr. Navneet Kumar Sharma	5-Oct-17	4-Oct-20	27,71,000	"Experimental Investigations on Surface Plasmon Resonance Based Fiber Optic Refractive Index Sensors"
6	DBT	Atinderpal Kaur	28-Jul-17	27-Jul-20	26,10,000	"Development PLGA nanoparticles loaded with donepezil and memantive for Brain Drug Delivery through nasal route in Alzheimer's disease"
7	DBT-3	Dr. S.Krishna Sundari	25-Jul-17	24-Jul-20	62,10,200	"Application of customized PGPM based formulations for reclamation of soil permeated with Organophophate pesticide residues"
8	Ayush	Dr. Pammi Gauba	27-Dec-17	26-Dec-20	41,06,920	"Evaluation of the heavy metals content in market samples of plant raw drugs used in Ayurveda"
9	ICSSR	Dr. Mukta Mani	15-Jan-18	14-Jan-20	5,50,000	"A Study on Financial Inclusion Initiative and their Impact on Performance of Commercial Banks""
10	DST-3	Dr. Anirban Pathak	24-Apr-19	23-Apr-22	2,22,06,000	"Designing & Devices and Protocols for Quantum Hacking, Random Number Generation and Secure Communication "
		TOTAL			5,17,30,560	

INTERNATIONAL LINKAGES

The Institute has developed collaboration with some foreign educational Institutes.

Collaborating University/Organization	Salient Features
The Alliance of 4 Universities (A-4U) of Spain Univeritat Autonoma De Barcelona(UAB) Universidad Autonoma De Madrid(UAM) Universidad Carlos III de Madrid(UC3M) Universitat Pompeu Fabra(UPF)	Acknowledges the importance of fostering inter-university relations, enhance relations in matters related to academic education, science and research, culture and human capital development, sharing of information & knowledge, and any other aspects which aim toward the internationalization of higher education, in accordance with the legislation of the respective countries. Area of activity for development of the specific programmes of common interest include: • Student Exchange- Each University to establish the procedures to select its own students who wish to participate in the programme. The exchange student shall be exempt from paying registration fees at the host University. (Further details, as per the program announced from time to time by respective Universities.) • Faculty Exchange • Joint research projects • Online student research • Graduate and post graduate research co-supervision • Dual degrees • Sharing of knowledge, regular dialogue, and reciprocal visit programs; sharing of information of best practices in higher education • Identifying funding, internships, or any other kind of cooperation opportunities • Joint cultural programs, conferences, workshops and seminar development; training programs • Any other collaboration possibility
University of California, Berkeley	UCB and JIIT recognize the value of educational, cultural and scientific exchanges between Universities and thus encourage: • Exchange of Faculties and Researchers- Travel and accommodation will be the responsibility of the sending institution. • Exchange of graduate students- In each academic year, upto four qualified students. Selection of students shall be made jointly by both institutions. (Further details, as per the program announced from time to time by respective Universities.) • Exchange academic materials of mutual interest including scholarly publications, curricula information and pertinent research reports • Invite representatives of each other's academic community to participate in conferences and colloquia Further UCBE and Jaypee Education System also acknowledge cooperation in mutual fields of academic interest for purpose of developing specific education and training opportunities and programmes.

Collaborating University/Organization	Salient Features
	• UCBE to provide academic & organizational development assistance as well as education & training activities in a number of fields and subjects including:- ❖ Design of curricula for proposed undergraduate and postgraduate studies. ❖ Development of appropriate faculty profiles. ❖ Internship opportunities with United Sates companies. ❖ Establishment of periodic quality assurance practices and procedures. ❖ Exchange of students ❖ Exchange of faculties and instructors ❖ Distance learning opportunities. • Additionally UCBE in collaboration with Jaypee may offer short professional training courses
University of Florida, Gainesville, USA	• To enhance the academic interchange between the two institutions, the parties desire to promote exchange between the faculty and students as well as the exchange of academic and research information. • Specific projects in an area of educational interest will be selected as a result of coordination between University of Florida and Jaypee. • University of Florida has launched a 8th Semester programme for students of Jaypee Group of Universities- Under this 8th semester students will be selected to spend one semester at University of Florida to earn a Senior Certificate in Computer Science and Engineering. Successful completion of this Certificate requires students to complete a minimum of 12 credits of approved courses at University of Florida with a grade of C or better on each course. • University of Florida is offering engineering professionals located in India, the opportunity to earn a Master of Science Degree through Electronic Delivery of Graduate Engineer program ("EDGE Program") at JIIT in subject areas- Civil and Coastal Engineering, Computer & Information Science Engineering, Electrical & Computer Engineering, Environmental Engineering Sciences, Materials Science & Engineering and Mechanical & Aerospace Engineering.
University of Nebraska, Omaha, USA	The objective is to promote contact and collaboration between faculty, staff and students, carry out joint research programmes and exchange experiences in education research. Activities include: • Exchange of Information & Experience-Joint meetings and Joints workshops • Faculty Exchange • Student Exchange – Students to be officially nominated by representatives of the respective University. Specific details of courses to be taken during exchanges or projects to be undertaken shall be approved by respective faculty. Both Universities to consider student tuitions on a case-to-case basis. The host institute will arrange accommodation. Travel costs and living costs are the responsibility of the exchange student. (Further details, as per the program announced from time to time by respective Universities.) • Joint cooperative research projects • Coordinated Graduate Degree programs • Continuing and Distance education

Collaborating University/Organization	Salient Features
University of Abertay Dundee (UAD), Scotland, United Kingdom	The MOU aims at: • Academic Partnership in areas of MSc Smart Systems, MSc Internet Computing and MSc Information Technology. • Develop and operate fees sharing model for combined study collaborative projects at PG level where the in-country partner in India develops a new post graduate certificate level award that Abertay can recognize as granting entry with advanced standing to post graduate diploma level at Abertay, with potential to progress to Masters level. • Identify articulation roots for JIIT students to pursue research at UAD. • Allow for JIIT faculty development in teaching and research at UAD. • Identify and develop further links between UAD and JIIT that may be of mutual benefit to both partners
Cheng Shiu University, Taiwan	The MOU aims at: • Student exchange program- Eligibility for participation in the program shall be based on mutual consultation and governed by policies and procedures at each institution. In addition both universities shall adopt a bilateral articulation policy for the academic achievement of students, including credits, transfer, and academic degrees (Further details, as per the program announced from time to time by respective Universities.) • Faculty exchange program • Joint researches and activities such as mutual visits, research projects, collaborative workshops, distance teaching activities with the purpose of promoting education quality and academic achievements

ACADEMIC ADMINISTRATION

Admission Process

➢ **UG Program:**

The admissions in the academic session 2018-2019 were carried out through a counseling process conducted by the Institute, based on merit drawn on overall JEE (Main) ranking.

Further admission to the Programs in biotechnology was carried out based on merit in the 10+2 examination as also merit of JEE (Main) ranking.

➢ **PG Program:**

The admission for M. Tech programs was based on GATE score / Post Graduate Entrance Test conducted by the Institute for eligible candidates.

Similarly admission to MBA program was based on CAT/MAT/XAT/CMAT/GMAT/ATMA score followed by Written Communication Skill Test and Group Discussion/ Interviews.

➢ **PhD:**

The selection was done through written test and interview of short listed scholars, based on their qualifications and credentials. Candidates who had qualified UGC-CSIR/NET exams were exempted from the written test.

Faculty

➢ The Unique feature of the Institute is the high quality of faculty on its rolls. The list of the Faculty along with qualification is as per **Appendix-D.**

➢ **Visiting /Guest Faculty**

The Institution further has some eminent Academicians as also eminent industry person on its rolls as visiting faculty for conduct of specialised classes. Currently there are 6 guest faculty members associated with the University. In addition specialists' faculty of institutes of JES in respective fields also visit all the Institutes of JES.

Scholarships

➢ **Prof William C Webster Merit & Means Scholarship:** Jaiprakash Sewa Sansthan has set up an initial corpus of Rs. 20 lacs for the Prof William Webster Merit Cum-Means scholarship. The scholarship is provided to the students admitted to the Jaypee Education System across the three campuses. Eligible students get a tuition fee waiver for the year upto one semester tuition fee. The scheme was started in the year 2004-05.

➢ **Admission To Meritorious Students :** The Management has approved that students who take admission in the first year of the 4-year UG program, with an All India Rank of less than 1000 in the JEE (Main) conducted by CBSE, shall be provided free education for the entire duration of under graduate program.

JIIT YOUTH CLUB (JYC)

JYC Activities at Sector-62 campus

Name of the Hub: Cresendo
Theme of the Hub: The Music Hub
Events Organized:

S. No.	Name of the event	Date of the event	Total no. of students participated	No. of external participants	No. of internal participants
1	Crescendo celebrates 150th birth anniversary of Bapu	05/10/2018	250	-	250
2	Unplugged, 2018	31/10/2018	300	-	300

Name of the Hub: Expressions
Theme of the Hub: The Painting Hub
Events Organized:

S. No.	Name of the event	Date of the event	Total no. of students participated	No. of external participants	No. of internal participants
1	Induction	27/07/2018	25	-	25

Name of the Hub: Page Turner Society

Theme of the Hub: To encourage the culture of reading variety of books of different genres. Discussion of evolution of literature and it's importance in society. Understanding the importance of such knowledge in technical/scientific environment for enriched conversation and developing greater ideas.

Events Organized:

S. No.	Name of the event	Date of the event	Total no. of Students participated in the event	No. of Internal Participants
1	Oracle's Quest	25/02/2019	50	50

Name of the Hub: MICROCONTROLLER BASED SYSTEMS AND ROBOTICS HUB

TTheme of the Hub: Manual and Autonomous Robotics

Events Organized:

S. No.	Name of the event	Date of the event	Total no. of Students participated	No. of External participants	No. of Internal Participants	No. of students won the prizes in the events
1	IOT Workshop	17/08/2018 to 24/08/2018	35	0	35	-
2	Manual Workshop	14/09/2018 to 25/09/2018	100	0	100	-
3	El-Asesino	05/10/2018	95	0	95	15
4	Raspberry Pi Workshop	08/11/2018 to 15/11/2018	10	0	10	-
6	Autonomous Workshop	15/01/2019 to 30/01/2019	100	0	100	-
6	Brazileiro	23/02/2019	100	10	90	15
8	Robo en Rio	23/02/2019	60	10	50	15
9	FugaCacador	24/02/2019	100	10	90	15
10	Inovacao	24/02/2019	30	10	20	15

Events participated outside JIIT:

S. No.	Name of the activity	Date of activity	Brief of the event	No. of students participated in the event	Achievement of the students in the activity
1	TATA Power Future Think, IIT Bombay	2018	Paper Presentation		3rd- Shivam Singh HarshwardhanBondia Vidit Singh Divyanshi Goyal
2	El Asesino	2018	Manual Robotics		Yatidharan Choudhary Darshan Salecha Herumb Shandilya Nakul Gupta Prashant Kartikeya
3	CYBERSRISHTI	2019	Project exhibition		1st Prize- Ayush Bhatia Mihirpushp Bisht 2nd Prize- Abhishek Ankit Kumar 3rd Prize- Herumb Shandilya Nakul Gupta Prashant Kartikeya
4	IIT Bombay techfest, Jaipur tonals	2018	Line follower event		Selected in top 10 Prakhar Gupta Shivam Tripathi Rashi

S. No.	Name of the activity	Date of activity	Brief of the event	No. of students participated in the event	Achievement of the students in the activity
5	CYBERSRISHTI	2018	Startup Summit		Siddhanth Sunil Amrut Makhani Darpan Jain Aditya Singh
6	Blaze a rush	2018	Line follower event		1. 103 - Devil Hritik Aggarwal Nikhil Rathore Aditya Jain Sarthak Agarwal 2. 132 - Phoenix Gyanendra Priyadarshi Varun Singhal Mitaali Nagpal RashiKulshrestha 3. 117 - Electron Vaidyanath Singh Piyush Sinha Nipun Varshney Utkarsh Kashyap
7	Kick o Bot	2018	RoboSoccer Event		1. 127 - Zeus Harsh Vardhan Bondia Vidit Singh 2. 147 - Gen X2 Shivam Seth 3. 108 - Rohan Rohan Khurana Naina Gupta
8	Brettspiel	2018	Manual Duel Event		1. 106 - Inferno Ketan Pandey Ishan Jain Mohit Jain Rakshit 2. 113 - Viruan Vinay Kumar Reddy Anuj Kumar Singh Vipul Vaibhava 3. 105 - Dragon Naina Gupta Rohan Khurana Anisha Jain Manasvi Jain
9	Kodofiesta	2018	Autonomous coding event		1. 121 Ishan Jain Archit Agrawal 2. 106 Kaushal Bhansali Anubhav Sinha 3. 109 Sparsh Goyal Vidit Singh
10	Eyantra	2018	Technical Quiz organised by IIT Bombay		32 teams qualified for the first round. About 10 teams Qualified for the second round.

Name of the Hub: Kalakriti
Theme of the Hub: Rangoli
Events Organized:

S. No.	Name of the event	Date of the event	Total no. of Students participated in the event	No. of Internal Participants	No. of students won the prizes in the events
1	Conventional Rangoli	25//2018	10	10	2
2	Bric a Brac	26//2018	10	10	2

Name of the Hub: Adwitya
Theme of the Hub: Aims to extend services to specially-abled persons of the society
Events Organized:

S. No.	Name of the event	Date of the event	Total no. of Students participated in the event	No. of External participants	No. of Internal Participants
1	Visit to Andhvidyalaya	23/11/2018	8	Nil	8
2	Boulevard of Enigma	23/02/2019	15	Nil	15
3	CheradesMuets	24/02/2019	10	Nil	10

Name of the Hub: Jhankaar
Theme of the Hub: Dance
Events Organized:

S. No.	Name of the event	Date of the event	Total no. of Students participated in the event	No. of External participants	No. of Internal Participants	No. of students won the prizes in the events
1	Ethnic Night	13/10/2018	cultural fest participation: whole college	No competitions	JYCfund (Rs. 12000/-)	-

Name of the Hub: KNUTH Programming Hub
Theme of the Hub: Conduct
Events Organized:

S. No.	Name of the event	Date of the event	Total no. of Students participated in the event	No. of External participants	No. of Internal Participants	No. of students won the prizes in the events
1	Encode 2K18: (Qualification Round)	20-Sep-18	338 Teams	29 Teams	309 Teams	NIL
2	Encode 2K18: (Final/Onsite Round)	22-Sep-18	70 Teams	10 Teams	60 Teams	4 Teams
3	Execute 18.2: (Qualification Round)	10-Oct-18	220 Teams	30 Teams	190 Teams	NIL
4	Execute 18.2: (Final Round)	14-Oct-18	47 Teams	5 Teams	42 Teams	4 Teams

Events participated outside JIIT:

S. No.	Name of the activity	Date of activity	Level of the event	Brief of the event	No. of students participated in the event	Achievement of the students in the activity
2	ACM ICPC Kolkata-Kanpur Onsite Regionals 2018	21-22 December 2018	International	After qualifier round, shortlisted teams participated in the ACM ICPC regional round	159 Teams	15th Rank by the team of Adish Agarwal, Raman Sharma, Saurabh Singh & Coach: Manish Kumar Thakur
3	ACM ICPC Kolkata-Kanpur Onsite Regionals 2018	21-22 December 2018	International	After qualifier round, shortlisted teams participated in the ACM ICPC regional round	159 Teams	24th Rank by the team of Anubhav Goyal, Utkarsh Gupta, Abhishek Tiwari & Coach: Manish Kumar Thakur
4	ACM ICPC Gwalior-Pune Regional 2018	17-18 December 2018	International	After qualifier round, shortlisted teams participated in the ACM ICPC regional round	115 Teams	12th Rank by the team of Anubhav Goyal, Utkarsh Gupta, Abhishek Tiwari & Coach: Manish Kumar Thakur

Name of the Hub: Sarkasm Society
Theme of the Hub: Theatre Hub (stand up comedy)
Events Organized:

S. No.	Name of the event	Date of the event	Total no. of Students participated in the event	No. of External participants	No. of Internal Participants
1	Audition	21-09-2018	23	0	23
2	Open mic 18.3	16-10-2018	12	0	12
3	Open mic 19.1	15-01-2019	8	4	8
4	Men will be Men	23-02-2019	2	0	2
5	Open mic 19.2	23-02-2019	10	0	10
6	Men will be Men 2	20-04-2019	4	0	4

Name of the Hub: Graficas
Theme of the Hub: Graphics and Animation Hub
Events Organized:

S. No.	Name of the event	Date of the event	Total no. of Students participated in the event	No. of Internal Participants
1	Orientation Session	10/10/2018	30	30
2	Adobe Illustrator	06 /03/2019	32	32
3	Treasure Hunt - Impression's event (during Fest)		30	30

Name of the Hub: CREATIVITY AND INNOVATION CELL IN ELECTRONICS
Theme of the Hub: ENDEAVOUR ELECTRONICS
Events Organized:

S. No.	Name of the event	Date of the event	Total no. of Students participated in the event	No. of External participants	No. of Internal Participants	No. of students won the prizes in the events
1	HARDWARE WORKSHOP	09-08-18	90	0	90	0
2	PCB FABRICATION	15-11-18	45	0	45	0
3	VIDYUT	24-11-18	155	20	145	0

Name of the Hub: It's Our Earth
Theme of the Hub: To Conserve and Save the Environment
Events Organized:

S. No.	Name of the event	Date of the event	Total no. of Students participated in the event	No. of External participants	No. of Internal Participants	No. of students won the prizes in the events	Internal funding (amount in Rs.)
1	Clothes Donation	11 Nov, 2018			50		NIL
2	Minute to win it	09 October 2018			50		

Name of the Hub: Thespian Circle
Theme of the Hub: Dramatics
Events Organized:

S. No.	Name of the event	Date of the event	Total no. of Students participated in the event	No. of External participants	No. of Internal Participants	No. of students won the prizes in the events
1	Stage Play	July 28, 2018	15			
2	Stage Play: News channel interview	August 2, 2018	15			
3	Various Events	August 6, 2018	35			
	VIDYUT	24-11-18	155	20	145	0

Name of the Hub: Radiance Hub
Theme of the Hub: Fashion Society of JIIT

S. No.	Name of the event	Date of the event	Total no. of Students participated in the event	No. of students won the prizes in the events
1	Mr. & Ms. Ebullience	18-08-2018	16	6
2	Mr. & Ms. Impressions	23-02-2019	16	6
3	Vanity	23-02-2019	90	30

Name of the Hub: Literary Hub (Parola)
Theme of the Hub: Debate, Poetry, Model United Nations, Youth Parliament, Literary Fest
Events Organized:

S. No	Name of the event	Date of the event	Total no. of Students participated in the event	No. of External participants	No. of Internal Participants	No. of students won the prizes in the events
1	Joust 18 (Literary Fest)	Sept 22-23 2018	500	370	130	30
2	Gandhi Jayanti Seminar	Oct 9, 2018	50	NA	50	3
3	Jaypee Model United Nations 2019	Jan 12-13 2019	500	350	150	50
4	Cyber Srishti Reflect Debate on Artificial Intelligence	April 21, 2019	25	20	5	6

Events participated outside JIIT:

S. No.	Name of the activity	Date of activity	Level of the event	Brief of the event	Name of students participated in the event	Achievement of the students in the activity
1	VIPS MUN	2018	University	Model United Nations Simulation	Salil Shukla	High Commendation
2	VIPS MUN	2018	University	Model United Nations Simulation	Abdul Malik	Special Mention
3	Zenith MUN	2018	University	Model United Nations Simulation	Prabhav Singh	Special Mention
4	Zenith MUN	2018	University	Model United Nations Simulation	Anay Singh	High Commendation
5	JMC MUN	2018	University	Model United Nations Simulation	Sarthak Singh and Abdul Malik	Special Mention
6	JSS MUN	2018	University	Model United Nations Simulation	Aman Manchanda	Special Menton
7	ARSD MUN	28-29 September, 2018	University	Model United Nations Simulation	Salil Sukla	Special Mention
8	Hindu MUN	29-30 September, 2018	University	Model United Nations Simulation	Ishita Pandey	High Commendation
9	Hindu MUN	29-30 September, 2018	University	Model United Nations Simulation	Anay Singh	High Commendation
10	Hindu MUN	29-30 September, 2018	University	Model United Nations Simulation	Prabhav Singh	High Commendation
11	JSS MUN	17-18 November, 2018	University	Model United Nations Simulation	Sankalp Agarwal	Best Delegate
12	JSS MUN	17-18 November, 2018	University	Model United Nations Simulation	Vivek Shukla	High Commendation

S. No.	Name of the activity	Date of activity	Level of the event	Brief of the event	Name of students participated in the event	Achievement of the students in the activity
13	JSS MUN	17-18 November, 2018	University	Model United Nations Simulation	Anay Singh	Special Mention
14	ISBF MUN	17-18 November, 2018	University	Model United Nations Simulation	Salil Shukla	High Commendation
15	ISBF MUN	17-18 November, 2018	University	Model United Nations Simulation	Ishita Pandey	Special Mention
16	ISBF MUN	17-18 November, 2018	University	Model United Nations Simulation	Prabhav Singh	Special Mention
17	JMC MUN	2019	University	Model United Nations Simulation	Abdul Malik	Special Mention
18	RDIAS MUN	2019	University	Model United Nations Simulation	Rishabh Soopa	Best Delegate
19	SGND MUN	2019	University	Model United Nations Simulation	Pratik Chauhan	Best Delegate
20	SGND MUN	2019	University	Model United Nations Simulation	Sankalp Bharadwaj	Best Delegate
21	DTU MUN	2019	University	Model United Nations Simulation	Anay Singh	High Commendation
22	DTU MUN	2019	University	Model United Nations Simulation	Prabhav Singh	Best Delegate
23	Amity MUN	18-20 January, 2019	University	Model United Nations Simulation	Smiti	Special Mention
24	Amity MUN	18-20 January, 2019	University	Model United Nations Simulation	Karan Bamal	Special Mention
25	Amity MUN	18-20 January, 2019	University	Model United Nations Simulation	Manan Rastogi	Special Mention
26	DRC MUN	6-7 April, 2019	University	Model United Nations Simulation	Salil Shukla	Special Mention
27	DRC MUN	6-7 April, 2019	University	Model United Nations Simulation	Sankalp Agarwal	Special Mention
28	Miranda Annual CD	15 February, 2019	University	Conventional Debate	Yukta Kumari	Best Speaker
29	Acharya Narayan Dev CD	2019	University	Conventional Debate	Ishsirjan Kaur	Best Speaker
30	KIET MUN	9 March, 2019	University	Model United Nations Simulation	Sankalp Bharadwaj	Special Mention
31	DRC Freshers CD	15 September, 2018	University	Conventional Debate	Ishita Batra	Best Speaker
32	Hindu Memorial CD	28 January, 2019	University	Conventional Debate	Ishita Pandey	Best Interjector
33	Reflect Turncoat debate	21st April, 2019	University	Debate	Shreya Kadyan	Third

Name of the Hub: Sports
Theme of the Hub: Contest & Conquer
Events Organized:

S. No.	Name of the event	Date of the event	Total no. of Students participated in the event	No. of Internal Participants	No. of students won the prizes in the events	Internal funding (amount in Rs.)
1	FSM-2018	14-26 NOV 2018	2100	2100	150	45,000
2	Minute to win it	09 October 2018			50	

JIIT YOUTH CLUB Sector-128

Fresher's orientation 2018

On this day we welcomed all the new entrants at JIIT sec 128 campus, each of the hubs under JYC gave the presentation about the hub functioning and its achievement. At the end of the session at the registration desk each of the student register themselves for the desired hub activity.

EBULLIENCE (Fresher's Welcome Event) (30 Aug 2018)

Hosted by The JIIT Youth Club, Ebullience is an annual program organized for the newly enrolled students of JIIT Noida. Giving them a chance to showcase their talents in more ways than one. Ebullience has 6 major events encompassed under its umbrella. The Music Hub performs giving an entertaining start to Ebullience. Following that is the performance of the Dramatics Hub, known for the exuberant and lively personality. After that, the wildly infamous Hub of JIIT, VamUnique known for their popularity among all colleges across Delhi/NCR, performs for the students. The Indian dance Hub is next in line giving a rather exuberant performance each time the come-on stage. They never fail to impress. Finally, the most anticipated and inarguably the most popular round of Ebullience is the Ramp Walk, where the gentlemen and ladies display their exceptional talent on the ramp. It consists of 2 rounds viz. Ethnic and Western taking place at the beginning and at the end respectively.

JYC WEEK (12th November 2018 – 18th November 2018)

November brings with it the JYC Week- a plethora of cultural and technical events within college. The week kick starts with the JIIT Youth Parliament organized by the literary Hub- Eloquence. Dressed in Indian attire and armed with quick, verbal defenses, our aspiring engineers assume the roles of politicians for a day. Later during the week, the music Hub of the college organizes various performances and music battles. Our musicians can be heard practicing days in advance. But that's not it. We are engineers-to- be, after all. How could the JYC Week be complete without some technical events? Through the week, the geeks, coders and robotic enthusiasts seem to be the busiest and also the most stressed/sleep deprived. Late night coding marathons are characteristic of Code Flux, organized by the programming hub of JIIT. Also, how could the Robotics wing stay behind? They, too, have their own events and competitions running through the week. To sum it up, the JYC week has something for everyone.

CONVERGE-2019 Launch Event (23 Nov, 2018)

Converge is JIIT-128's annual technical-cultural-sports festival. Launch event for converge is organized to make new students aware of the festival and motivate them to take part enthusiastically in the fest.

Flash mob Converge-2019 (30 Jan 2019)

Few days before converge we have organized a flash mob; it fills the entire college with energy and setup mood for the event. Each of the Hub give their performance. As name suggests it's a 30 min event.

JIIT YOUTH MARATHON (2nd February, 2019)

Running is the road to self-awareness and reliance. Promoting the fit India program by Hon. PM of India, the Youth Marathon witnessed whole hearted participation from students and drew the participation from large number of students & faculty members. The event comprised of a 5 km run inside the premises of Jaypee Wish town Noida. The marathon was organized along with NSS branch of JIIT.

CONVERGE (2-3 February, 2019)

Converge is the annual cultural-technical-sports fest organized by Jaypee Institute of Information Technology, Sector 128 Noida. Converge is widely popular across colleges of Delhi-NCR. Converge turned out to be a huge success over the past years. Creativity and innovation are the two energies which fuel the success for future engineers and managers. Converge holds the power to cultivate knowledge, imbibe culture, engrave team spirit and inculcate the feeling of rejoicing in unison.

Converge witnesses' participation from IIT's, NIT and various Delhi university colleges and participation also pour in from other institutes in neighboring state like Haryana.

A GLANCE AT EVENTS

1. **ABHIVYAKTI:THE DRAMATICS HUB: RIHAA: THE STREET PLAY:**

   The nukkad-natak event where street plays are performed on important social issues. A platform to showcase your acting, expression and script skills.

2. **FORTISSMO: THE MUSIC HUB**

   a. **ACCOUSTICA: SOLO SINGING:** A platform where a singer can show singing talent in traditional, jazz, pop, rock etc genere. A contest that judges your tonality, rhythm vocals and all.

   b. **CRUSADE: BATTLE OF BANDS:** They set the mood of the event with the instruments the magic in their voice. From the drum beats to the electric guitar tones and the rock voices creates a feeling of a war of bands. A truly great event to watch on.

   c. **BEAT BOXING:** A form of vocal percussion primarily involving the art of mimicking drum machines, using one's mouth, lips, tongue, and voice. It may also involve vocal imitation of turntablism, and other musical instruments.

3. **DANCE HUB**

   a. **GROOVE: THE WESTERN DANCE:** Organized by our well known Vam Unique, the western dance Hub. It is one of the most spectacular events in CONVERGE with teams from IIT's, DU etc. Participate to show all their western moves from hip hop to salsa to contemporary.

   b. **SABRANG: THE INDIAN DANCE:** Organized by the Indian dance Hub of JIIT128 where teams show classic moves in modern styles from bhangda to kathak and all.

4. **PANACHE: THE FASHION SHOW:**

   a. **POISE: THE FASION SHOW:** Beauty and charm lies within how well you carry yourself. The flamboyance in their walks which makes hundreds of head turn at once is when they walk down the ramp.

   b. **MR & MISS CONVERGE:** The intra college fashion show wherein college students participate to walk down the ramp in order to show their style, beauty & charm.

5. **TECHNICAL EVENTS:**

   In converge a large number of participation comes for Robotics and Coding events. Robotics event includes Robo race, line follower where as coding event such Algo-fuzz,code flux etc takes place alongside.

6. **Sports:** Apart from cultural and technical events various sports activities are part of converge such as:
   a. Cricket b)Football c) Badminton d) Lawn Tennis e) Basketball f) Table Tennis

7. **Informal:** To motivate the student for the participation a large number of informal events also take place during Converge 2019. Following are the events which take place under this head.

   a. Dubsmash Contest
   b. Beg Borrow Snap
   c. Draw the King
   d. Chair Hustle

   e. J Roadies
   f. Logo Quiz
   g. Tug of War
   h. Sherlock 101

   i. Entertainment Trivia
   j. Mini Militia
   k. Quizzing

PRO NIGHT'S AT JIIT 128

DAY 1:

Day 1 of CONVERGE witnessed the sensational Punjabi singer Manvinder. With about 3500 people in attendance, this was an amazing evening to remember. He sang some foot tapping number from his album

DAY 2: EDM Night: DJ Carnivore

EDM witnessed a huge crowd where DJ Carnivore played some hit music notes.

SCRIBBLE DAY (8 May, 2019)

Every outgoing student of every college pass through this tradition before passing out from college. The traditional day is called as scribbling day where students come in white and go back all scribbled, penned by the loved ones and not-so-loved-ones as well.

Farewell and award ceremony
(Batch of 2015-2019)-(10th May, 2019)

To celebrate the end of graduation years, farewell is organized for the students of 4th year, JIIT Sector 128. Where students of B. Tech 3rd year bid farewell to the outgoing students of B. Tech final year with great enthusiasm.

During the event students are also awarded for their achievements in academics, sports, cultural etc.

TRAINING & PLACEMENTS

Placement Details of Students of Batch 2019 of B Tech, M Tech & Integrated M. Tech Programs are as follows:

Placement Highlights - Batch 2019

➢ Highest Salary – INR 40.63 Lacs by Adobe
➢ 2nd Highest Salary – 31 Lacs by Code Nation
➢ 09 Cos. with CTC between 18 – 40 Lacs
➢ 20 Cos. with CTC between   8 - 18 Lacs
➢ 64 Cos. with CTC between   5 - 8 Lacs
➢ 100 Cos. with CTC between   3 - 5 Lacs

PLACEMENT STATUS : JIIT, NOIDA Graduated in 2019 B.Tech Programs					
Branch	Total Participating Students	Total No. of Offers	% of Total Offers	Absolute offers	% of absolute offers
CSE	479	734	153%	470	98%
ECE	320	474	148%	304	95%
IT	50	76	152%	48	96%
BT	47	40	85%	36	77%
Total	896	1324	148%	858	96%

PLACEMENT STATUS : JIIT, NOIDA Post Graduated in 2019 M.Tech Programs					
Branch	Total Participating Students	Total No. of Offers	% of Total Offers	Absolute offers	% of absolute offers
M Tech					
CSE	4	2	50%	2	50%
ECE	5	2	40%	2	40%
BT	6	1	17%	1	17%
Total	15	5	33%	5	33%
Dual					
CSE	29	50	172%	29	100%
ECE	16	21	131%	15	94%
BT	19	18	95%	16	84%
Total	64	89	139%	60	94%

List of Companies which recruited from B Tech/ M Tech, Integrated M. Tech programs for 2019 graduating batch

Sl. No.	Company	CTC in LPA	Total Offers
1	Adobe-Developer	40.63	1
2	CodeNation	31	1
3	Amazon SDE	28.75	2
4	Adobe-IT Staff	27.81	2

Sl. No.	Company	CTC in LPA	Total Offers
5	Interview Bit	25	4
6	Roposo	20	6
7	Amazon-AM	19	2
8	Lucideus Tech	18.5	1
9	AWS	18	6
10	Mentor Graphics	14.17	1
11	Kronos	13.29	3
12	Hike Messenger	13.2	1
13	MagicPin	12	4
14	OLA	11.5	6
15	PlaySimple Games	11	7
16	Byjus	10	12
17	Daily Hunt	10	5
18	SAP Labs	10	15
19	Traveloka	10	2
20	Vmware	9.12	1
21	BlogVault	9	2
22	Piggy	9	1
23	XL Catlin	8.67	1
24	Accolite Software-2	8	1
25	Clappia	8	1
26	Delhivery -SW	8	13
27	Hackwith Infy (SP)	8	3
28	IndiaMart-SE	8	3
29	Fan Fight	7.8	1
30	FICO	7.77	13
31	ST Microelectronics-1	7.75	1
32	Josh Technologies	7.5	6
33	Coviam	7.25	11
34	Hashedin	7.1	12
35	Cyware	7	6
36	HSBC	7	7
37	Kuliza	7	4
38	Samsung	6.8	4
39	Cognizant Next Hiring	6.66	9
40	ZS Associates	6.53	12
41	Innovaccer -1	6.5	3
42	Innovaccer -2	6.5	3
43	Octro (Regular)	6.5	5
44	Studypad	6.5	3

Sl. No.	Company	CTC in LPA	Total Offers
45	Vehant Tech	6.5	2
46	Zycus	6.5	3
47	Vitrana	6.43	7
48	Tresvista	6.4	5
49	Samsung	6.25	4
50	Deloitte (India)	6.2	4
51	Deloitte (USI)	6.2	34
52	Accolite Software-1	6	2
53	Cadence	6	5
54	Click Labs	6	8
55	Delhivery -QA	6	2
56	Epam	6	1
57	Fundwave	6	2
58	Growisto	6	2
59	Hyperdart	6	1
60	Mtree Software	6	5
61	Reliance	6	1
62	RXLogix	6	13
63	Vidooly	6	3
64	Xane	6	1
65	The Smart Cube	5.86	2
66	Zunroof	5.75	2
67	Jaro Education-1	5.64	2
68	Classplus	5.5	1
69	Gradeup	5.5	4
70	Grail Research	5.5	4
71	Kony	5.5	2
72	Octro (Diversity hiring)	5.5	2
73	Nestle India	5.35	2
74	Exponential-1	5.25	2
75	Gemalto	5.25	9
76	Jaro Eeducation-2	5.16	1
77	RMS	5.06	1
78	Abyeti Technologies	5	1
79	AnoVip	5	1
80	Collegedunia	5	12
81	Hackwith Infy (SEP)	5	28
82	Intellicus	5	3
83	Real Time Data Services-Sales Engineer	5	1

SI. No.	Company	CTC in LPA	Total Offers
84	Sterlite Tech	5	2
85	Crisp Analytics-M.Tech	4.75	1
86	IIMjobs	4.75	5
87	Tech Sci Research	4.7	3
88	Airtel	4.68	6
89	Pooraa	4.56	3
90	Eckovation-1	4.5	9
91	Evalueserve	4.5	4
92	Evalueserve - SE	4.5	2
93	Grappus	4.5	1
94	Kwench	4.5	2
95	P&S Research	4.5	5
96	Rohde & Schwarz	4.5	2
97	Credihealth	4.4	2
98	Protivity	4.35	1
99	EY-1	4.33	11
100	EY-2	4.33	10
101	SNVA	4.32	3
102	Crisp Analytics -B.Tech	4.25	5
103	Newgen Software	4.25	6
104	Estee Advisors-1	4.2	2
105	IDS InfoTech	4.2	2
106	Mckinley	4.2	1
107	Real Time Data Services	4.1	2
108	GenPact	4.05	10
109	Kratikal	4.04	9
110	10Times	4.02	1
111	Broadcom	4	1
112	Exponential-2	4	3
113	Freyr solutions	4	2
114	Indialends	4	5
115	IndiaMart -ASP	4	5
116	MyGate	4	1
117	Samisthi Info Tech	4	1
118	Wayforward	4	1
119	Wheelseye	4	3
120	NCR Corporation	3.88	1
121	QA Info Tech	3.75	1
122	Mountblue	3.62	6

Sl. No.	Company	CTC in LPA	Total Offers
123	1MG	3.6	2
124	Estee Advisors-2	3.6	1
126	Hackwith Infy (SE)	3.6	4
127	Infosys	3.6	370
128	Lakshmikumaran	3.6	1
129	Prime Seller Hub	3.6	6
130	Squad	3.6	2
131	Vivo India	3.6	4
132	Zyla Healthcare	3.6	6
133	United Health	3.59	2
134	Chapter Vitamins	3.5	2
135	CPA Global	3.5	3
136	GrownMind	3.5	1
137	HCL Tech	3.5	10
138	Holostik	3.5	2
139	NTT DATA	3.5	25
140	Raj Nakra	3.5	1
141	Wake Up	3.5	3
145	Wipro	3.5	187
146	Ericsson	3.45	12
147	Tech Sci Research	3.44	4
148	Cognizant	3.38	204
149	Growman	3.3	6
150	Crowe Horwath	3.25	2
151	Pragati	3.25	3
152	Smart Analyst	3.25	1
153	Torrent Group	3.25	1
154	Unimrkt	3.25	1
155	Phronesis Partners	3.13	5
156	Abhidhya Tech	3	3
157	Apelo Consulting	3	1
158	Bright Petroleum	3	3
159	Dynata	3	2
160	Maxtra Tech	3	1
161	ST Microelectronics-2	3	5
	Total Offers		**1418**

Placement Details for 2019 batch of MBA Program is as below:-

PLACEMENT STATUS : JBS, NOIDA 2017-19					
Specialisation	Total Participating students	No. of Offers	% of Total Offers	Absolute Offers	% of Absolute Offers
Marketing	28	27	96%	26	93%
Finance	11	10	91%	9	82%
HR	4	3	75%	3	75%
Total	43	40	93%	38	88%

JBS - PLACEMENT STATUS 2017-19 BATCH			
SI. No	Company's Name	CTC (LPA)	Total Offers
1	Byjus	10	1
2	LAVA Mobiles	7.5	1
3	Nopaperforms	7	2
4	99acrescom	5.5	1
5	Indus Valley Partners	5.36	1
6	Lloyds Ventures	5	2
7	Neer Info Solutions	4.8	1
8	HCL	4.75	8
9	Square Yard	4.66	16
10	Secure Now	4.2	2
11	S&P Global	4.15	1
12	Airtel	4	1
13	Six Red Marbles	4	1
14	OTB Marketing	3.5	1
15	ReadySet Trip	3.5	1
16	Jaro Education	7.5	0
17	Altima Security	7	0
18	Zycus	7	0
19	Kazo Fashion	5.9	0
20	Berger Paint	5.75	0
21	Naukri.Com	5.5	0
22	F1F9	5.06	0
23	TTND	5	0
24	PropTiger	4.5	0
25	Prime Seller Hub	4	0
26	Effectual Services	3.6	0
27	RMS	3.5	0
28	Paytm	3.5	0
	Total		40

HIGHLIGHTS of Activities conducted by T&P for B.Tech: July 2018 – June 2019

July, 2018

AWS Educate Challenge - a nation-wide contest for the student members of AWS Educate Program in India. The program was designed to solve real-world issues facing India and spanning the globe! This program was for all Jaypee students passing out in 2019. This challenge encourages participants to use AWS technology to explore issues in areas such as traffic control and reduction, e-government services, healthcare, open data, and more. The winners had a chance to win Amazon Devices [Echo, Kindle, Button], Aws Credites, Other Partner Prizes and Invitation to AWS Marque events.

Google Code Jam's Kick Start 2018

Google Kickstart is a Code Jam competition that gives participants the opportunity to develop and grow their coding skills to explore a career at Google. Each round invites students and industry professionals to solve algorithmic challenges designed by Google engineers—you can participate in one, or join them all.

The top participants from each round may be contacted by a Google recruiter for internships and full-time roles. 500+ students from Jaypee Universities participated.

August, 2018
Google - Women Techmakers Scholars Program 2018

Google organized Women Techmakers Scholars Program 2018. This is an great opportunity to join a community of like-minded women who will be leading the next generation in tech.

All Women Techmakers Scholars will each receive a cash award for the 2018 - 2019 academic year. Scholarship recipients were invited to attend the annual Women Techmakers Scholars' Retreat in one Google's Asia Pacific offices in October 2018 to connect with fellow scholars, network with Googlers and participate in a number of workshops.

October, 2018

Cadence Design Systems (I) Pvt. Ltd., organised one day technical conference on **"Electronic Design Automation"** for Women Engineers at Cadence, Noida. The whole day conference was comprised of the presentations, panel discussion and interactive dialogue on electronic system design, sessions on EDA industry and what is there for our potential women engineers with focus on promoting women leaders in this field. 10 students each from ECE and CS stream participated. Also, System Verilog verification, and CAD and Virtuoso layout flow were the topics covered during the conference.

This conference brought together women in technology, academia and colleges. It was a learning and networking event. **Certificates were awarded to the participants as a token of appreciation.**

Adobe CODIVA – Hackathon – Celebrating women in Technology

Adobe organized the hackathon in India CODIVA for women engineers. CODIVA is a hackathon initiative celebrated women in technology. It was open to all women studying in the final year or pre-final year in an Indian college. Top winners had a chance to be interviewed for Full Term Position or Internship Position at Adobe. Winners also had a chance to win iPhone 8, Apple iPad, Bose Speakers and Amazon Vouchers for top 20 winners.

About 168 Girl students participated in the Hackathon. It was remarkable success for JIIT that one of our girl students secured a final offer of employment at the highest package of **Rs. 40+ Lacs and later on 2 more girl students were selected on a package of Rs. 12.00 LPA** through this opportunity.

November, 2018
Amazon – ACMS

AMAZON visited us for a launch of ACMS 2019-20 for girl students of CSE & IT. Amazon Campus Mentorship Series

(ACMS) is a diversity initiate to help women in tech to integrate into business through a series of workshops, training's and business communication. This follows the model of classroom based learning facilitated by Amazon leaders at Amazon office and spans over 4 classroom sessions over a course of 24 weeks.

Students receive an internship offer with Amazon. The mentorship is done in their 3rd Year, 2nd Sem and internship during 4th year, 2nd Sem. The final intern selected students will get a stipend of R 45000 pm.

Guest Lecture by **MINDA Automotive Solutions Ltd. on Topic "The Practical Aspects of Modern Marketing & Technique" Ms. Shebani Bhathija, Manager Marketing & Communication from MINDA Automotive Solutions Ltd.** delivered a Guest Lecture of 1.30 Hours to give a glimpse to the students about the practical aspects of Modern Marketing and Techniques being used at their own organization and the related sector. The session was delivered to make college students aware about the expectations of Automotive Sector from graduating students aspiring to serve the automotive industry in the future.

The session was attended by MBA Ist Year students.

Convocation of ERICSSON: Talent Development Program

ERICSSON: Talent Development Program is about teaching Ericsson Domains (to start with Ericsson's Radio Access Network(RAN) & Advanced RAN (ARAN), Portfolio Specific Cutting Edge Domains i.e. as Electives to Engineering Students of JllT University followed by Projects at the Campus. 100 JIITians of Batch 2019 participated and successfully completed the program. Participants were awarded the certificate of completion of ARAN program by Ericsson.

The program was governed by Senior Director - Ericsson and other delegation from the company. Vice Chancellor Sir, Head T&P, and Dean Student's Welfare, Departmental HODs from the University.

Accenture Innovation Challenge - Innovate for Businesses, Innovate for the Society.

The contest meant for innovations on 'Businesses' and the 'Society' that can improve the way we live and work. Each member of the grand prize winning team will receive prizes worth INR 1,50,000. B. Tech students across Jaypee universities took part in it.

December, 2018
Tata Motors | MindRover Season 7 for T-Schools

MindRover for T-Schools is a unique case study challenge that invites solutions from the best minds on the best engineering campuses! The objective of this inter T-school challenge is to provide students with an exciting opportunity to come up with an innovative idea as a solution to the case challenge in the automobile sector.

MindRover was for bonafide students currently pursuing a four-year full-time engineering education. This contest is open to all students from (second year to fourth year students) T–Schools.

January, 2019

Linkedin Wintathon 2018 for **"Women Coders: TECH[IN] it forward"** at Linkedin India HQ, Bangalore Linkedin hosted its 3rd all women Hackathon. As a participant of the Hackathon, Students had to develop a product by leveraging the tools available (Javascript, HTML, CSS, Java, etc.).

Two students of JIIT shortlisted out of the Online Test conducted for 3rd Year CSE students. **One team of JIIT was able to secure place in Top 6 teams in the Finals.** It was a Linkedin sponsored program at Bangalore Headquarter. Students were awarded with the Participation certificates, Internships by LinkedIn at Bangalore Office on Stipend of Rs. 40000/- Per Month

Deloitte USI | TechnoUtsav

Deloitte launched second season of TechnoUtsav and offered two different platforms to participate: CCTC and TechE to 3rd year students (batch 2016-20) of JIIT, Noida. This technology-centric competition provides students

with an opportunity to showcase their technical, innovative, and analytical acumen. Deloitte invited students from 2020 batch from JIIT to participate in the contest, form teams, design solutions for unique challenges, propose and defend their solutions in a simulated client-service setting.

Collegiate Cyber Threat Competition (CCTC) - A platform to hone and showcase cyber security concepts and fundamentals.

TechE – An ideation and coding competition revolving around Internet of Things (IoT), Blockchain, Cognitive Automation and Machine Learning (ML)/ Data Science.

KRONOTHON 3.0

KRONOTHON 3.0 is a challenge designed to inspire the creative and dynamic millennial to put their skills to test, thereby identifying and rewarding the tech & non-tech wizards of the industry.

It is a platform to showcase Technical Prowess or Business Acumen and compete to win fantastic prizes.

B. Tech students interested in programming / coding and solving case studies, live business problems were invited to participate in i-Code and I – Ideate competitions through a process of Assessment, Webinar / Activities and a final assessment (offline mode).

Code Nation Solutions – Coding Contest

Codenation organized a Pool Test for Coder on Republic day i.e. 26th Jan 2019 through which the students can stand a chance to interview with us for the role of Software development Engineer Intern for Summer Internship 2019 with 75,000 INR Per Month Stipend All students of 2020 batch were invited to participate. Codenation is a motley crew of coders, bursting with tenacity, ambition and talent, brought together by a common goal to create class products and killer enterprise software that deliver tremendous business value.

February, 2019
Infosys launched - InfyTQ a next-generation digital platform to offer the best learning and engagement experiences for engineering students in India at JIIT, Sector - 62

The platform is open for all 3rd year students. With InfyTQ, students will benefit from the always-on, anytime, anywhere learning, catered through a continuous transfer of digital skills and expertise from the Infosys innovation ecosystem.

All students were motivated to register in InfyTQ as it is a free, open & dynamic platform which is aimed at helping students even if they are not placed with Infosys specifically. One thousand students of batch 2016-20 of JIIT registered and attended the program.

Cognizant Faculty Development Program (FDP) on **IoT and Embedded Device Security**

50 Faculty members attended the Development Program organized by Cognizant Technology Solutions. The program was aimed at making faculties informed about the facts of IoT and Embedded Device Security. The IoT consists of billions of connected, embedded devices. The more embedded devices connected to a gateway, the greater the security risk.

The FDP was delivered by **Mr. Bharathiraja Nallathambi from Cognizant.** It was a full day event at Campus premises.

ZS's Workshop on "Brown Bag on the Art and Science of Problem-Solving"

ZS Associates has kick-started their flagship engagement program ZS Campus Beats for 2020 graduating batch. The workshop was aimed at to teach students on how to approach the solving of a case study which is a crucial stage of selection process of campus hiring of ZS Associates and other premium companies.

With this, the students will be able to attempt the ZS Campus Beats Case Challenge in an effective way which

gives them a chance to win exciting goodies and a career opportunity with ZS. The duration of the session was 1.5 hours. The workshop was attended by 450 students.

March, 2019
Siemens Healthcare- Internships/young innovator fellowship at Innovation Think Tank –for 3rd Biotechnology students batch 2016-20.

Innovation Think Tank (ITT) at Siemens Healthcare provides internship opportunities with focus on engineering and strategy exclusively for Bio-Technology students. Students could apply for "Young Student Innovator Fellowship" at ITT India. The internship location is Bangalore & Gurgaon with a stipend of Rs. 16000/- . The students would be selected according to their pre screening details, questionnaire, and performance during the interview rounds and availability during the internship vacancy.

ZS Campus Beats Case Challenge 2019

The ZS Campus Beats Case Challenge hosted over an online platform was open for a specified time-period of 48 hours to solve the case study. The challenge is a pan-India hands-on learning opportunity for aspiring professionals in consulting that gives university students insight into how ZSers make an impact.

The semi-finalists (top 10 teams) will be invited to the ZS Pune for a Networking Session and a day long workshop with the ZS Leadership. The top 10 teams will get a chance to win a Pre-Placement Interview or Pre-Placement Offer. Each of the top 3 team members will be rewarded with exciting gadgets like iPad, Fossil Smartwatch, and Kindles.

Expedia - CodeExpedition: DestinationExpedia - A Hackathon for Girl Students of Batch 2016 – 20.

This Challenge is intended to showcase the best female technology and engineering talent across India.

Expedia is among the largest technology companies in the world & Life at Expedia Group is an endless adventure, full of new opportunities and rewarding relationships. B. Tech Girl students having a passion for Programming/ Software Development, Data Structure, Linked Lists, Sorting and Dynamic Programming were invited for the hackathon. It was a Hiring & Prize Challenge by Expedia Group

April, 2019
Ericsson Cloud Program :

Ericsson launched their "Cloud" program in JIIT. 55 CSE/IT and ECE students enrolled for this program. Classes were held at JIIT by Ericsson team during the weekends spread over 2 months. These students would be preferred candidates for selection in Ericsson.

May, 2019
Amazon Web Services (AWS Educate) – Workshop on AWS Educate

AWS organized two days workshop on 1st and 2nd May, 2019 on the following.

- Introduction to AWS Cloud and different AWS services

- EC2 instance launch setup a quick website

- Introduction to general Networking and Security with AWS analogies

- Elaborate benefits of doing it on cloud

- Deployment lab, Explain DevOps/CI/CD

- What we do as an AWS PS;

- AWS interview process; how to prepare best;

130 CSE, IT & ECE Students registered and participated on AWS Educate program through this workshop.

LAVA Mobiles - create your own brand contest.

Think of creative and unique name for a mobile accessory brand to get a chance to win apple airpod.

Participants of "LAVA Mobiles - create your own brand contest" had to suggest a unique & creative brand name for a mobile accessory brand with a one line description about the logic and significance of the brand name suggested. 100 students of JIIT participated in this contest.

June, 2019

Amazon Web Services E Learning Module for JIIT Students.

Amazon Web Services had introduced their unique e-learning program AWS Educate with JIIT students. It was a good opportunity to learn from IT giants without paying any cost for new technologies.

Under AWS Educate program – 30 modules had been offered to the students like cloud computing, Data Analytics and so on. Students picked up the modules of their interest. Students from non circuit branches like Bio – Technology also learned basic technologies like cloud literacy program.

Wipro Talent Next - 2020 Programme

WIPRO Ltd. had introduced a program called TalentNext. A unique initiative framed towards strengthening WIPRO-JIIT relationship with academia, aiming at an overall enhancement in corporate readiness of students.

TalentNext was a Wipro initiative that focused on building deeper engagements with JIIT, by providing Digital-ready skills to the college faculty through Wipro's Project Based Learning framework, and ensured facilitation of digital skills amongst students. It was for 2020 Batch students.

CODSULE coding challenge by Nagarro Software for 2020 Batch

Going by the industry trend and preparing the students for future challenges, Nagarro had organized a Monthly coding challenge 'CodSule' to give students a platform to enhance their coding skills.

CodSule offered the opportunities where students can:

1. Do what you love – CODE

2. Opportunity to work with Nagarro (if performed exceptionally good)

3. Get participation certificates and goodies

CSE & IT students of B. Tech / M. Tech and Dual participated in the program.

#HackWithInfy - 2nd Edition launched by INFOSYS

INFOSYS launched the 2nd edition of #HackWithInfy, a Hackathon for 2020 batch of Engg. Students across the country, not only provided the perfect stepping stone for students to explore their passion for programming, but also a chance to compete and win cash prizes worth INR 350,000 and an opportunity to get a pre-placement interview for different roles at Infosys. Almost 500 Students had participated from Jaypee Universities.

97 students have been offered employment under this program will before the campus hiring at JIIT by Infosys. 40 students on SE profile, 43 on SES profile and 14 on Power Programmer profiles. The salary package ranges from 3.6 LPA to 8.00 LPA.

FINANCIAL STATUS

The Audited Balance sheet is attached as **Appendix-E.**

BOARD OF MANAGEMENT

(i)   Vice-Chancellor………….Chairperson
Prof. S.C. Saxena

(ii)   Maximum of four nominees of sponsoring Society/Trust/Company
(i)   Sh. Sunil Kumar Sharma
(ii) Sh. Suren Jain
(iii) Sh. Alok Gaur

(iii) One eminent academic nominated by the Central government in consultation with UGC
MHRD Nominee – nomination awaited

(iv)   Deans of Faculties not exceeding two (by rotation, based on seniority)
(i)   Prof. Hari Om Gupta, Director, Sector-128 campus
(ii) Prof. D K Rai, Dean (A&R)

(v)   Three Eminent Academicians as nominated by the Chancellor
(i)   Dr. D.P. Agrawal, Ex-Chairman, UPSC
(ii) Prof. Gautam Barua, Director IIIT Guwahati & Ex-Director IIT Guwahati.
(iii) Vacant

(vi)   Two Teachers (from Professors, Associate Professors) by rotation based on seniority
(i)   Prof. Alka Sharma, Dean, HSS
(ii) Prof. Alka Tripathi. Head, Mathematics

(vii) The Registrar, Secretary
Sh. Raju Sangal

(viii) Permanent Invitees
(i)   Sh. Jaiprakash Gaur Ji, Founder Chairman and First Chancellor of JIIT
(ii) Sh. Anand Bordia, Former member – Finance, NHAI, Secretary WCO, and Secretary, HCI London

(ix)   Special Invitees
(i)   Sh. Kapil Sud, Head (T&P)
(ii) Sh. Ashish Banerjee, CFO

ACADEMIC COUNCIL

1. **The Vice Chancellor - Chairperson**
   Prof. S.C. Saxena

2. **Director(s) / Dean(s) of Faculties**
   (i)   Prof. Hari Om Gupta, Director Sector 128
   (ii)   Prof D K Rai, Dean (A&R)
   (iii) Prof. Alka Sharma, Dean (HSS)

3. **Head of the Departments**
   (i)   Prof. Alka Tripathi
   (ii)   Prof. Shweta Srivastava
   (iii) Prof. S C Katyal
   (iv)   Prof Vikas Saxena
   (v)   Prof. Pammi Gauba
   (vi)   Prof Rajnish K Mishra, Head (Academics) JBS

4. **All Professors other than the Heads of Departments**
   (i)   Prof. Rajiv Saxena (Adjunct Professor)
   (ii)   Prof. R C Mittal
   (iii) Prof. Anirban Pathak
   (iv)   Prof. S.P. Purohit
   (v)   Prof. Krishna Asawa
   (vi)   Prof. Amrish Kumar Agarwal
   (vii) Prof. R.K. Dwivedi
   (viii) Prof. Neeraj Wadhwa
   (ix)   Prof. B.P. Chamola
   (x)   Prof. S. Krishna Sundari
   (xi)   Prof. G.K. Aggarwal
   (xii) Prof. S K Biswas
   (xiii) Prof. Sanjeev Kumar Sharma

5. **Two Associate Professors from the Departments other than the Heads of the Departments by rotation of seniority**
   (i)   Dr. Vikram Karwal
   (ii)   Dr. Sandeep Kumar Singh, CSE

6. **Two Assistant Professors from the Departments by rotation of seniority**
   (i)   Dr. S. Suresh
   (ii)   Dr. Amba Agarwal

7. **Three persons from amongst educationists of repute or persons from any other field related to the activities of the Institution deemed to be University who are not in the service of the Institution deemed to be University, nominated by the Vice-Chancellor**
   (i)   Prof. Manoj Mishra, IIT Roorkee.
   (ii)   Sh. Subhash Verma, Managing Director & Vice President Engineering
   (iii) Prof Brahmjeet Singh, NIT, Kurukshetra
   (iv)   Sh. Ranjit Sinha, Director Campus Program Ericsson India Global

8. **Three persons who are not members of the teaching staff, co-opted by the Academic Council for their specialized knowledge**
   (i)   Sh. Kapil Sud – Head Placements and Dean Students Welfare
   (ii)   Sh. Ashish Banerjee - CFO
   (iii) Col P C Malhotra (Retd) - CAM

9. **The Registrar, who shall be the Secretary of the Academic Council (Ex-officio)**
   Sh. Raju Sangal

DETAILS OF INFRASTRUCTRE
Total Built Up Area Statement

S. No	Name of the Building	Covered Area (In Sqft)
Admin. & Acad. Block		
1	Aryabhatt Bhawan I/1,2	5195
2	Aryabhatt Bhawan I/3	2688
3	Aryabhatt Bhawan I/4	2676
4	Aryabhatt Bhawan I/5 (Basement area 13828.84sqft included)	4173
5	Aryabhatt Bhawan II (Basement area 23487.04sqft included)	18852
6	ABB III (Lower ,& Upper Basement, First & Second Floor)	11960
	Total Admin. & Acad. Area=	**45544**
Hostels		
1	Hostel Block, H1	4167
2	Hostel Block, H2	2133
3	Hostel Block, H3	4179
4	Hostel Block, H4	4179
5	Hostel Block, H5	4179
6	Hostel Block, H6,7,8,9,10,11 (ABB III)	23000
	Total Hostel Area=	**41836**
Faculty Residences		
1	Faculty Residence R2 Block	3238
2	Faculty Residence R3 Block	3111
3	Director Residence	384
4	Worker's Housing (Basement area 3789sqft included)	1410
	Total Faculty Residential Area=	**8142**
Facilities		
1	Annapurna Building (Basement area 8918sqft included)	4574
2	Sports Complex (Basement area 6135sqft included)	1695
3	ABB-III (Community Floors & Cafeteria)	8052
	Total Facilities Area=	**14321**
Miscellaneous		
1	Gate No.1	63
3	Gate No.3	32
4	Electrical Sub Station	451
5	Electrical Sub Station Extension	545
7	Parking Basement	5677
	Total Miscellaneous Area=	**6768**
SEC. 128 Campus		
1	Academic Block	24998
	Total Sec. 128 Area=	**24998**
	TOTAL BUILT UP AREA OF SEC. 62 & 128 CAMPUS =	**141610**

INFRASTRUCTURE DETAILS OF JIIT, SEC.62 AND SEC.128 CAMPUS

S.No	Room type	Carpet area (In Sqm)
1	Classrooms & Tutorial Room	7747
2	Laboratories	6691
3	Computer Centre	868
4	Seminar Halls	1263
5	Workshop	650
6	Drawing Hall	615
7	Library and Reading Room	6500
8	Auditorium	3618
9	Boys Common Room	522
10	Boys' Hostel	10446
11	First Aid cum Sick Room	149
12	Others	30
13	Girls Common Room	290
14	Guest House	2176
15	Girls' Hostel	7042
16	Cafeteria	6226
17	Principal's Quarter	383.97
19	Sports Club	7556
20	Stationery Store	58.3
21	Toilets	1222
22	Principal / Director's Office	267
23	Security	96
24	Exam Control Office	186
25	Maintenance	4290
26	Pantry for Staff	189
27	Other Office	109
28	Reception Area	50
29	Board Room	182
30	Cabins for Head of Dept	404
31	Faculty Rooms	3555
33	Offices All Inclusive	595
34	Central Store	537
35	Housekeeping	74
36	Placement Office	413

INSTRUCTIONAL AREAS OF JIIT, SEC.62 AND SEC.128 CAMPUS

S.No.	Description	Nos
1	Classrooms (UG)	55
2	Classrooms (UG)	29
3	Tutorial Rooms	16
4	Seminar Rooms	7
5	Electronics Labs	32
6	Computer Labs	46
7	Physics Labs	7
8	Biotech Labs	15
9	Language Labs	2
10	Management Lab	1
11	Workshop	2
12	Engineering Drawing	2

Facilities & Utilities (At Sec-62)

Banking

The University has tie up with YES Bank & IDBI Bank for opening the savings accounts.
One ATM machine is installed by ICICI Bank at Security Gate No. 3.

Photocopy facility

The facility of photocopy is available in ABB-I against payment.

Medical

The University has a well-equipped dispensary with residential doctors and has tie-up with number of corporate hospitals for specialized treatment at subsidized rates.

Sports:

Outdoor

There is provision of flood lights for playing the following outdoor sports.
Basketball, Lawn Tennis, Badminton, Volleyball & Football.

Indoor

Swimming Pool (Boys & Girls)	Pools with adequate no. of showers, change rooms, water filtration and chlorination facilities.
Billiards	A billiards and snooker table is installed in Indoor Sports Complex.
Pool Table	A pool table is also available for students.
Table Tennis	5 TT tables are installed in Indoor Sports Complex.
Carom & Chess	Each hostel has a separate carom & chess lounge.
Boys Gym	A well equipped gym with Tread Mills and equipments is available for the students.
Girls Gym	A well equipped girls gym with Cross Trainer, Tread Mill Machine and a multi-gym is available exclusively for girls.

Guest Rooms :   21

Details of Transport

Institute has 5 cars, 1 mini bus, 1 ambulance van, 1 fire-tender.

Utilities

Include Laundry (1) AC Plant, 100% power back-up with DG sets (910 KVA each – Nos. 3 & 1010 KVA - Nos. 1), Water Filtration Plant, Tubewell, Boiler for hot water supply in the hostels, Dispensary with boys & girls wards and isolation ward with 2 beds each, covered platform for stage and public address system.

Facilities & Utilities (At Sec-128)

Banking

The University has a tie up with Yes Bank for opening the savings account.
Two ATM machines are installed by Axis Bank at Sector 128.

Photocopy facility

The facility of photocopy is available in the LRC.

Medical

There is a well equipped dispensary with 24 x 7 availability of doctors at Sector 128 (JAL Complex) with ambulance service. There is also a tie-up with number of corporate hospitals for specialized treatment at subsidized rates.

Sports:

Basketball court	1
Volleyball courts	2
Tennis court	1
Football field	1
Multipurpose field (cricket)	1
Cricket nets	available
Squash courts (glass back)	2
Swimming pool (25 m)	1
Gym (boys)	1
Gym (girls)	1
Badminton court	3
Table tennis tables	4
Carrom , chess	available

Details of Transport

Four buses ply for the students within NCR.

LIST OF FACULTY

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
1	JIIT1458	PROF. S.C. SAXENA	VICE CHANCELLOR (ACTG.)	BE(1970), ME (1973), Ph.D. (1977)	1-JUL-11
2	JIITC905	PROF. HARI OM GUPTA	DIRECTOR-SECTOR-128	BE (1972), ME(1975), Ph.D. (1980)	20-DEC-11
3	JIIT1003	PROF. D.K. RAI	DEAN (A&R)	B.Sc.(1986), M.Sc.(1988), Ph.D.(1994).	2-MAY-01
		DEPARTMENT OF BIO TECHNOLOGY			
4	JIIT1404	DR. PAMMI GAUBA	PROF.	B.Sc.(1982), M.Sc.(1983), Ph.D.(1988)	10-JUL-10
5	JIIT1024	DR. NEERAJ WADHWA	PROF.	B.Sc.(1984), M.Sc.(1986) , Ph.D.(1994)	5-JUL-02
6	JIIT1072	DR. S.KRISHNA SUNDARI	PROF.	B.Sc.(1991), M.Sc.(1993), Ph.D.(1999).	18-JUN-03
7	JIIT1157	DR. SUDHA SRIVASTAVA	PROF.	B.Sc.(1991), M.Sc.(1993), M.Phil.(1994), Ph.D.(2002)	28-OCT-04
8	JIIT1215	DR. SUJATA MOHANTY	PROF.	B.Sc.(1984),M.Sc.(1986), Ph.D.(1992)	16-FEB-06
9	JIIT1136	DR. INDIRA P SARETHY	PROF.	B.Sc.(1992), M.Sc.(1994), Ph.D(2001)	5-JUL-04
10	JIIT1155	DR. REEMA GABRANI	PROF.	B.Sc.(1991), M.Sc.(1993), Ph.D.(1998)	1-SEP-04
11	JIIT1267	DR. VIBHA RANI	PROF.	B.Sc.(1996), M.Sc.(1998), M.Phil.(2001), Ph.D.(2005)	16-DEC-06
12	JIIT1353	DR. RACHANA	Asso. Prof.	B.Sc.(1996), M.Sc.(1998), Ph.D.(2005)	15-JUN-09
13	JIIT1346	DR. SHWETA DANG	Asso. Prof.	B.Pharma (1998), M.Pharma. (2001), Ph.D.(2006)	10-FEB-09
14	JIIT1438	DR. ASHWANI MATHUR	Asso. Prof.	B.Sc.(2000), M.Sc.(2002), Ph.D.(2009)	15-DEC-10
15	JIIT1402	DR. SMRITI GAUR	Asso. Prof.	B.Sc.(2001), M.Sc.(2003), Ph.D.(2010)	10-MAR-10
16	JIIT1430	DR. SHALINI MANI	Asso. Prof.	B.Sc.(2000), M.Sc.(2002), Ph.D.(2010)	12-AUG-10
17	JIIT1482	DR. VIBHA GUPTA	Asso. Prof.	B.Sc.(1987), M.Sc.(1990), Ph.D.(1998)	27-JUN-11
18	JIIT1078	DR. CHAKRESH KUMAR JAIN	AP (SG)	B.Sc.(1993), M.Sc.(1997), AIS(2001), MCA(2006), Ph.D. (2011), ALCCS-IETE(2011)	7-JUL-03
19	JIIT1464	DR. PRIYADARSHINI	AP (SG)	B.Sc.(1998), M.Sc.(2001), Ph.D.(2010)	1-JUL-11
20	JIIT1187	DR. SUSINJAN BHATTACHARYA	AP (SG)	B.Sc.(1996), M.Sc.(1999), Ph.D(2002)	27-JUL-05
21	JIIT1439	DR. GARIMA MATHUR	AP (SG)	B.Sc.(2000), M.Sc.(2002), Ph.D.(2008)	21-DEC-10

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
22	JIIT1322	MS. MANISHA SINGH	ASST. PROF (I)	BPT(2004), MPT(2007)	15-JUL-08
23	JIIT1717	MS. EKTA BHATT	ASSO. LECT	B.SC (2006), M.SC(2008)	2-AUG-16
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING & INFORMATION TECHNOLOGY					
24	JIIT1204	DR. VIKAS SAXENA	PROF.	B.Tech.(2000), M.E.(2002), Ph.D.(2009)	1-OCT-05
25	JIIT1068	PROF (DR). KRISHNA ASAWA	PROF.	B.Sc.(1993), MCA(1996), Ph.D.(2002)	30-May-03
26	JIIT1462	DR. SATISH CHANDRA	Asso. Prof.	B.E. (1997),M.Tech. (2002), Ph.D (2010)	1-Jul-11
27	JIIT1058	DR. SANDEEP KUMAR SINGH	Asso. Prof.	B.Sc.(1997), PGDM(1999), 'B' Level(2001), MCA (2002), Ph.D.(2011)	1-Jan-04
28	JIIT1491	DR. CHARU	Asso. Prof.	B.Tech. (2003), M.Tech. (2005), Ph.D. (2011)	12-Aug-11
29	JIIT1156	DR. PRAKASH KUMAR	Asso. Prof.	B.E.(1993), M.Tech.(2000), Ph.D(2017)	14-Oct-04
30	JIIT1392	DR. CHETNA GUPTA	Asso. Prof.	BE (2004), M.Tech. (2006), Ph.D. (2011)	11-Dec-09
31	JIIT1532	DR. NEETU SARDANA	Asso. Prof.	B.Sc. (1997), MCA (2001), Ph.D. (2011)	28-Jul-12
32	JIIT1137	DR. SHIKHA K MEHTA	Asso. Prof.	B.Sc.(1998), MBA(2000), WDA(2001), M.Tech.(2003), Ph.D (2013).	9-Jul-04
33	JIIT1150	DR. ANUJA ARORA	Asso. Prof.	B.Sc.(2001), M.Sc.(2003), Diploma in C, C++(2003), MS (2009), Ph.D. (2013)	16-Aug-04
34	JIIT1517	DR. DEVPRIYA SONI	Asso. Prof.	B.Sc. (1998), MCA (2002), Ph.D. (2011)	4-Jul-12
35	JIIT1213	DR. MANISH KUMAR THAKUR	Asso. Prof.	BE(1998(, M.Tech.(2004). Ph.D.(2014).	16-Jan-06
36	JIIT1616	DR. MUKESH SARASWAT	Asso. Prof.	B.E. (2001), M.Tech. (2010), Ph.D. (2013)	23-Jul-14
37	JIIT1121	DR. TRIBHUWAN KUMAR TEWARI	Asso. Prof.	B.Sc.(1998), B.E. (2003), M Tech.((2007), Ph.D. (2015)	12-Jan-04
38	JIIT1223	DR. CHETNA DABAS	Asso. Prof.	B.Sc.(1998),M.Sc.(2000), M.Tech(2001), Ph.D.(2011).	17-May-06
39	JIIT1572	DR. DHARMVEER SINGH RAJPOOT	Asso. Prof.	BE (2005), M.Tech(2008), Ph.D. (2013)	8-Jul-13
40	JIIT1288	DR. SANGEETA MITTAL	Asso. Prof.	B.Tech.(2000), M.Tech.(2007), Ph.D. (2015)	2-Aug-07
41	JIIT1229	DR. SUMA DAWN	AP (SG)	BE(2002), M.Tech.(2005), Ph.D. (2015)	10-Jul-06
42	JIIT1547	DR. ADWITIYA SINHA	AP (SG)	BCA (2006), MCA (2008), M.Tech. (2011), Ph.D. (2015)	18-Feb-13
43	JIIT1178	DR. GAGANDEEP KAUR	AP (SG)	B.E.(2002), M.E.(2004), Ph.D. (2015)	28-Jun-05

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
44	JIIT1021	DR. BHARAT GUPTA	AP (SG)	BE(1999), M.Tech.(2000), Ph.D.(2015)	1-Jul-02
45	JIIT1088	DR. MUKTA GOYAL	AP (SG)	B.Tech.(1995), M.Tech.(1999) Ph.D(2016)	11-Aug-03
46	JIIT1051	DR. K. RAJALAKSHMI	AP (SG)	BE(2000), ME(2001) Ph.D(2016)	7-Jan-03
47	JIIT1219	DR. KAVITA PANDEY	AP (SG)	BE(2002), M.Tech.(2003). Ph.D(2017)	11-Apr-06
48	JIIT1768	DR. APARAJITA NANDA	AP (SG)	B.Tech (2008), M.Tech(2011), Ph.D(2017)	8-Aug-17
49	JIIT1670	DR. TAJ ALAM	AP (SG)	B.Tech. (2009), M.Tech. (2012), Ph.D. (2017)	19-Feb-15
50	JIIT1355	DR. SHIKHA JAIN	AP (SG)	B.Tech.(2003), M.Tech. (2007),Ph.D(2016)	1-Jul-09
51	JIIT1174	DR. HEMA N	AP (SG)	BE(2000), M.Tech.(2003). Ph.D.(2018).	4-Jun-05
52	JIIT1784	DR. ANKITA VERMA	AP (SG)	B.Tech(2011), M.Tech.(2014), Ph.D (2018)	16-Sep-17
53	JIIT1324	DR. PARMEET KAUR	AP (SG)	BE(1998), M.Tech. (2008) Ph.D(2016)	25-Jul-08
54	JIIT1442	"DR. SANJEEV PATEL "	AP (SG)	B.Tech.(2005), M.Tech. (2008), Ph.D(2017)	3-Jan-11
55	JIIT1299	DR. ARCHANA PURWAR	AP (SG)	B.Sc.(1999), MCA(2003), M.Tech.(2007), Ph.D (2018)	1-Feb-08
56	JIIT1510	DR. SANGEETA	AP (SG)	B.Sc.(2007), M.Sc.(2009), M.Tech.(2011),Ph.D(2017)	4-Apr-12
57	JIIT1695	DR. HIMANI BANSAL	AP (SG)	BE (2006), M.Tech. (2013), Ph.D. (2018)	8-Jan-16
58	JIIT1718	DR.PAYAL KHURANA BATRA	AP (SG)	B.E. (2004), M.E(2009), Ph.D(2017)	11-Aug-16
59	JIIT1740	DR. AMARJEET	AP (SG)	B.Tech. (2004), M.Tech. (2011)Ph.D. (2017)	25-Jan-17
60	JIIT1715	DR. POTUKUCH RAGHU VAMSI	AP (SG)	B.E. (2003), M.Tech(2007), Ph.D(2016)	25-Jul-16
61	JIIT1809	DR. NISHA CHAURASIA	AP (SG)	B.Tech. (2011), M.Tech. (2013)Ph.D (2017)	16-Jun-18
62	JIIT1811	DR. SHRUTI JAISWAL	AP (SG)	B.Tech. (2017), M.Tech. (209) Ph.D (2018)	16-Jun-18
63	JIIT1813	DR. NEERAJ JAIN	AP (SG)	B.Tech. (2007), M.Tech. (2010)Ph.D (2018)	16-Jun-18
64	JIIT1824	DR. ANKIT VIDYARTHI	AP (SG)	B.Tech. (2008), M.Tech. (2011)Ph.D (2017)	18-Jun-18
65	JIIT1807	DR. RASHMI KUSHWAH	AP (SG)	B.Tech. (2006), M.Tech. (2009)Ph.D (2018)	16-Jun-18
66	JIIT1423	DR. DHANALAKSHMI G	AP (SG)	B.Tech. (1995), M.Tech. (2002), Ph.D (2018)	10-Jul-10
67	JIIT1871	DR. MONALI MAVANI	AP (SG)	B.Tech (2002), M.Tech (2013), Ph.D (2019)	13/Feb/19

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
68	JIIT1857	DR. ANITA SAHOO	AP (SG)	B.E. (1998), M.Tech. (2010), Ph.D (2017)	1-Jan-19
69	JIIT1868	DR. MANJU	AP (SG)	B.E (2006), MS (2009), PhD (2018)	1-Feb-19
70	JIIT1866	DR. OM PRAKASH PATEL	AP (SG)	B.E. (2009), M.E. (2011), Ph.D (2018)	18/Jan/19
71	JIIT1865	DR. NEHA BHARILL	AP (SG)	B.E. (2008), M.E. (2011), Ph.D (2018)	18/Jan/19
72	JIIT1870	DR. SHAILESH KUMAR	AP (SG)	B.Tech (2009), M.Tech (2013), Phd (2019)	1-Feb-19
73	JIIT1135	Dr. ARTI JAIN	AP (SG)	B.Sc.(1998), MCA(2001). MS (2009), PhD (2019)	2-Jul-04
74	JIIT1228	DR. INDU CHAWLA	AP (SG)	BE(2000), M.Tech(2006), PhD (2019)	4-Jul-06
75	JIIT1508	DR. NIYATI AGGRAWAL	AP (SG)	B.Tech.(2006), M.Tech. (2010), PhD (2019)	13-Feb-12
76	JIIT1692	DR. ASHISH KUMAR TRIPATHI	AP (SG)	B.Tech. (2010), M.Tech. (2013), Ph.D. (2019)	4-Jan-16
77	JIIT1570	DR. PARUL AGARWAL	AP (SG)	B.Tech. (2010), M.Tech. (2012), Ph.D (2019)	8-Jul-13
78	JIIT1366	DR. K. VIMAL KUMAR	AP (SG)	BE(2004), ME(2007), Ph.D (2019)	15-Jul-09
79	JIIT1408	DR. MEGHA RATHI	AP (SG)	B.Tech.(2005), M.Tech. (2010), Ph.D (2019)	5-Jul-10
80	JIIT1773	MS.BINDU VERMA	ASST. PROF (II)	B.Tech(2012), M.Tech.(2015)	10-Aug-17
81	JIIT1220	MR. PAWAN KUMAR UPADHYAY	ASST. PROF (II)	B.Sc.(2000), M.Sc.(2002), M.Tech.(2005).	10-Apr-06
82	JIIT1604	MR. PRASHANT KAUSHIK	ASST. PROF (II)	B.Tech. (2003), M.Tech. (2008)	1-Oct-13
83	JIIT1716	MS.SHERRY GARG	ASST. PROF (II)	B.Tech(2008),M.E(2011)	3-Aug-16
84	JIIT1501	MS. ANUBHUTI RODA MOHINDRA	ASST. PROF (II)	B.Tech.(2007), MS (2008)	2-Jan-12
85	JIIT1514	MS. AMBALIKA SARKAR	ASST. PROF (II)	B.Tech.(2006), M.Tech. (2010)	2-Jul-12
86	JIIT1518	MR. GAURAV KUMAR NIGAM	ASST. PROF (II)	B.Tech.(2005), M.Tech. (2009)	2-Jul-12
87	JIIT1515	MS. AMANPREET KAUR	ASST. PROF (II)	B.Tech.(2006), M.Tech. (2009)	10-Jul-12
88	JIIT1742	MS. MRADULA SHARMA	ASST. PROF (II)	B.Tech. (2007), M.Tech. (2012)	6-Feb-17
89	JIIT1741	MS. AMARJEET KAUR	ASST. PROF (II)	B.E (2005), M.Tech. (2010)	6-Feb-17
90	JIIT1530	MR. PULKIT MEHNDIRATTA	ASST. PROF (II)	B.Tech.(2010), M.Tech. (2012)	20-Jul-12
91	JIIT1497	MR. HIMANSHU AGRAWAL	ASST. PROF (II)	B.E.(2007), M.Tech. (2011)	10-Dec-11
92	JIIT1538	MS. ANURADHA GUPTA	ASST. PROF (II)	B.Tech.(2008), M.Tech. (2012)	19-Nov-12
93	JIIT1541	MR. SUDHANSHU KULSHRESTHA	ASST. PROF (II)	B.Tech.(2009), M.Tech. (2011)	4-Dec-12
94	JIIT1548	MR. HIMANSHU MITTAL	ASST. PROF (II)	B.Tech.(2010), M.Tech. (2012)	14-Feb-13
95	JIIT1554	MS. SHARDHA PORWAL	ASST. PROF (II)	Diploma-IT (2004), B.Tech. (2007), M.Tech. (2012)	25-Feb-13

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
96	JIIT1557	MS. SAKSHI AGARWAL	ASST. PROF (II)	B.Tech.(2010), M.Tech. (2012)	11-Mar-13
97	JIIT1575	MS. ANKITA	ASST. PROF (II)	B.Tech. (2011), M.Tech. (2013)	8-Jul-13
98	JIIT1550	MR. RAJU PAL	ASST. PROF (II)	B.Tech.(2009), M.Tech. (2012)	15-Feb-13
99	JIIT1587	MR. BANSIDHAR JOSHI	ASST. PROF (II)	B.Tech. (2009), M.Tech. (2011)	12-Jul-13
100	JIIT1569	MS. AKANKSHA MEHNDIRATTA	ASST. PROF (II)	Dual Degree (B.Tech.-M.Tech.)-(2013)	9-Jul-13
101	JIIT1600	MR. AVINASH CHANDRA PANDEY	ASST. PROF (II)	B.Tech. (2007), M.Tech. (2012)	9-Sep-13
102	JIIT1606	MS. KRITIKA RANI	ASST. PROF (II)	Diploma in CSE (2008), B.Tech. (2011), M.Tech. (2013)	26-Dec-13
103	JIIT1663	MS. VARSHA GARG	ASST. PROF (II)	B.Tech. (1992), M.Tech. (2010)	15-Jan-15
104	JIIT1546	MS. ARPITA JADHAV BHATT	ASST. PROF (II)	B.E. (2008), M.E. (2010)	18-Feb-13
105	JIIT1573	MS. ADITI SHARMA	ASST. PROF (II)	B.Tech. (2011), M.Tech. (2013)	8-Jul-13
106	JIIT1579	MS. SOMYA JAIN	ASST. PROF (II)	B.Tech. (2010), M.Tech. (2013)	8-Jul-13
107	JIIT1582	MR. MAHENDRA KUMAR GURVE	ASST. PROF (II)	B.E (2010), M.Tech. (2013)	11-Jul-13
108	JIIT1812	MS. SONAL	ASST. PROF (II)	B.Tech (2011), M.Tech (2013), Ph.D(Pursuing)	20-Jun-18
109	JIIT1830	MR. VIKAS HASSIJA	ASST. PROF (II)	B.Tech (2010), MS (2014), Ph.D(Pursuing)	16-Jul-18
110	JIIT1696	MR. SHARIQ MURTUZA	ASST. PROF (II)	B.Tech. (2013), M.Tech. (2015)	9-Jan-16
111	JIIT1694	MR. PRANTIK BISWAS	ASST. PROF (II)	B.Tech. (2010), M.Tech. (2015)	8-Jan-16
112	JIIT1783	MS.DEEPTI	ASST. PROF (II)	B.Tech(2011), M.Tech.(2014)	21-Sep-17
113	JIIT1863	DR. SHILPA BUDHKAR	ASST. PROF (II)	B.E.(2010), PHD(2019)	11-Jan-19
114	JIIT1867	MS. VARTIKA PURI	ASST. PROF (II)	B.Tech (2009), M.Tech (2013), Phd (PURSUING)	1-Feb-19
115	JIIT1869	MR. VIVEK KUMAR SINGH	ASST. PROF (II)	B.Tech (2012), M.Tech (2015), Phd (PURSUING)	1-Feb-19
116	JIIT1300	MS. PURTEE KOHLI	ASST. PROF (I)	B.Sc.(1998), MCA(2000), M.Phil. (2008)	1-Feb-08
117	JIIT1667	MR. KASHAV AJMERA	ASST. PROF (I)	B.E. (2011), M.Tech. (2014)	30-Jan-15
118	JIIT1574	MR. ROHIT PAL SINGH	ASST. PROF (I)	B.Tech. (2011), MS (2013)	08/Jul/13
119	JIIT1691	MS. KIRTI AGGARWAL	ASST. PROF (I)	B.Tech. (2011), M.Tech. (2013)	1-Jan-16
120	JIIT1772	MR. RUPESH KUMAR KOHARIYA	ASST. PROF (I)	B.Tech(2012), M.Tech.(2015)	16-Aug-17
121	JIIT1769	MS. SARISHTY GUPTA	ASST. PROF (I)	B.Tech(2013), M.Tech.(2016)	3-Aug-17
122	JIIT1774	MR. ANURAG GOEL	ASST. PROF (I)	B.Tech(2012), M.Tech.(2017)	10-Aug-17

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
123	JIIT1827	MS. RUBY RANI	ASST. PROF (I)	B.Tech (2012), M.Tech (2015), Ph.D(Pursuing)	17/Jul/18

<div align="center">DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING</div>

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
124	JIIT1050	PROF. SAMIR DEV GUPTA	PROF.	BE(1977), M.Tech.(1984), MSc..(1994). Ph.D.(2012).	29-Nov-02
125	JIIT1627	DR. SHWETA SRIVASTAVA	PROF.	B.Tech. (1998), Ph.D. (2002)	18-Jul-14
126	JIIT1412	DR. VIKRAM KARWAL	Asso. Prof.	B.Tech. (2001), MS (2006), Ph.D. (2009)	28-Jun-10
127	JIIT1460	DR. JITENDRA MOHAN	Asso. Prof.	B.Tech. (2001), M.Tech. (2005), Ph.D. (2011)	1-Jul-11
128	JIIT1443	DR. SAJAI VIR SINGH	Asso. Prof.	BE (1998), ME(2002), Ph.D. (2011)	3-Jan-11
129	JIIT1154	DR. VINEET KHANDELWAL	Asso. Prof.	BE(1999), M.Tech.(2003). Ph.D. (2014)	4-Oct-04
130	JIIT1321	DR. VIVEK KUMAR DWIVEDI	Asso. Prof.	BE(2003), ME(2006), Ph.D. (2012)	1-Jul-08
131	JIIT1674	DR. ABHINAV GUPTA	Asso. Prof.	B.Tech.(2000), M.Tech. (2004), Ph.D. (2013)	1-Jun-15
132	JIIT1118	DR. ASHISH GOEL	Asso. Prof.	B.Tech.(2002), M.Tech.(2005). Ph.D.(2013).	5-Jan-04
133	JIIT1186	DR. VIJAY KHARE	Asso. Prof.	BE(1998), M.Tech.(2000), Ph.D.(2013)	15-Jul-05
134	JIIT1405	DR. ALOK JOSHI	Asso. Prof.	B.Tech. (2001), M.Tech. (2006), Ph.D. (Dec. 2014)	12-Jul-10
135	JIIT1602	DR. MEGHA AGARWAL	Asso. Prof.	B.Tech. (2007), M.Tech. (2009), Ph.D. (2013)	21-Sep-13
136	JIIT1269	DR. JASMINE SAINI	Asso. Prof.	BE(2000), ME(2004), Ph.D. (2014)	30-Dec-06
137	JIIT1555	DR. BHARTENDU CHATURVEDI	Asso. Prof.	B.Tech. (2005), M Tech. (2008), Ph.D. (2014)	23-Feb-13
138	JIIT1291	DR. RICHA GUPTA	Asso. Prof.	BE(2003), M.Tech.(2005). Ph.D. (2013)	16-Aug-07
139	JIIT1500	DR. MADHU JAIN	Asso. Prof.	BE (2003), M.Tech.(2009), Ph.D. (2015)	4-Jan-12
140	JIIT1060	DR. SHAMIM AKHTER	AP (SG)	B.Tech.(2001), M.Tech. (2002), Ph.D. (2015)	7-Apr-03
141	JIIT1283	DR. RAHUL KAUSHIK	AP (SG)	B.Sc.(1998), B.Tech.(2001), M.Tech.(2003).Ph.D(2017)	5-Jul-07
142	JIIT1027	DR. PANKAJ KUMAR YADAV	AP (SG)	Diploma Engg.(1994), AMIETE(1999), M.Tech.(2001) PH.D(2016)	15-Jul-02
143	JIIT1183	DR. REEMA BUDHIRAJA	AP (SG)	BE(2002), ME(2005), Ph.D (2018).	15-Jul-05
144	JIIT1399	DR. SATYENDRA KUMAR	AP (SG)	BE(1998), M.Tech.(2002), Ph.D (2018)	16-Jan-10
145	JIIT1326	DR. SHRUTI KALRA	AP (SG)	B.Tech.(2005), M.Tech.(2007), Ph.D (2018)	1-Aug-08

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
146	JIIT1233	DR. KIRMENDER SINGH	AP (SG)	B.E(1994), M.Tech.(2010), Ph.D (2018)	1-Jul-04
147	JIIT1419	DR. KAPIL DEV TYAGI	AP (SG)	Diploma - EC (2000), B.Tech. (2003), M.Tech. (2010) Ph.D(2016)	1-Jul-10
148	JIIT1682	DR. GARIMA KAPUR	AP (SG)	B.E (2006), M.Tech. (2009). Ph.D. (2016)	1-Sep-15
149	JIIT1762	DR. KULDEEP BADERIA	AP (SG)	B.Tech (2008), M.Tech(2011),Ph.D(2016)	24-Jul-17
150	JIIT1751	DR. ARCHANA PANDEY	AP (SG)	B.Tech (2010), M.Tech(2012), Ph.D(2017)	8-Jul-17
151	JIIT1761	DR. ASHISH GUPTA	AP (SG)	B.Tech (2008), M.Tech(2010), Ph.D(2017)	24-Jul-17
152	JIIT1754	DR. DHARMENDRA KUMAR JHARIYA	AP (SG)	B.Tech (2009)M.Tech(2011), Ph.D(2017)	14-Jul-17
153	JIIT1765	DR. BAJRANG BANSAL	AP (SG)	B.Tech (2005), M.Tech(2008), Ph.D(2017)	25-Jul-17
154	JIIT1753	DR. VIMAL KUMAR MISHRA	AP (SG)	B.Tech. (2009), M.Tech. (2012), Ph.D(2017)	14-Jul-17
155	JIIT1764	DR. KAUSHAL KUMAR NIGAM	AP (SG)	B.Tech. (2009), M.Tech. (2011), Ph.D (2018)	20-Jul-17
156	JIIT1585	DR. GAURAV VERMA	AP (SG)	B.Tech. (2005), M.Tech. (2012), Ph.D (2018)	15-Jul-13
157	JIIT1817	DR. EKTA GOEL	AP (SG)	B.E.(2009), M.Tech. (2013), Ph.D (2018)	16-Jun-18
158	JIIT1821	DR. PARUL ARORA	AP (SG)	B.Tech.(2003), M.Tech. (2010), Ph.D (2018)	18-Jun-18
159	JIIT1819	DR. ATUL KUMAR	AP (SG)	B.E.(2007), M.Tech. (2010), Ph.D (2018)	16-Jun-18
160	JIIT1826	DR. SAURABH CHATURVEDI	AP (SG)	B.Tech.(2005), M.Tech. (2008), Ph.D (2018)	16-Jun-18
161	JIIT1360	DR. JUHI	AP (SG)	B.E.(2005), M.E.(2008), Ph.D (2018)	6-Jul-09
162	JIIT1820	DR. HEMANT KUMAR	AP (SG)	B.E (2009), M.E. (2011), Ph.D (2018)	19-Jun-18
163	JIIT1566	DR. ABHISHEK KASHYAP	AP (SG)	B.Tech. (2009), M.Tech. (2013), Ph.D (2018)	8-Jul-13
164	JIIT1818	DR. BHAGIRATH SAHU	AP (SG)	B.E. (2010), M.Tech. (2013), Ph.D (2018)	19-Jun-18
165	JIIT1763	DR. YOGESH KUMAR	AP (SG)	B.E. (2009), M.Tech. (2013), Ph.D (2018)	19-Jul-17
166	JIIT1861	DR. ANKIT GARG	AP (SG)	AMIETE (2010), M.Tech (2012), Ph.D (2019)	7-Jan-19
167	JIIT1862	DR. RACHANA SINGH	AP (SG)	B.Tech (1998), M.Tech (2009), Ph.D (2018)	8-Jan-19
168	JIIT1770	DR.AMIT KUMAR GOYAL	AP (SG)	B.Tech(2013), M.tech(2014), Phd (2019)	4-Aug-17

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
169	JIIT1822	DR. NEETU JOSHI	AP (SG)	B.E. (2006), M.Tech. (2009), Ph.D (2019)	18-Jun-18
170	JIIT1362	DR. NEETU SINGH	AP (SG)	B.Tech.(2006), M.Tech.(2008), Ph.D (2019)	6-Jul-09
171	JIIT1815	DR. AJAY KUMAR	AP (SG)	B.Tech. (2009), M.Tech. (2014), Ph.D (2019)	16-Jun-18
172	JIIT1231	MR. ATUL KUMAR SRIVASTAVA	ASST. PROF (II)	B.Tech.(1998), MS(2002).	8-Jul-06
173	JIIT1083	MS. BHAWNA GUPTA	ASST. PROF (II)	B.Tech.(2001), M.Tech.(2003).	19-Jul-03
174	JIIT1075	MS. SMRITI BHATNAGAR	ASST. PROF (II)	B.Tech,.(1990),ME(1994)	1-Jul-03
175	JIIT1424	MR. B. SURESH	ASST. PROF (II)	B.Tech,. (2006), M.Tech. (2010)	9-Jul-10
176	JIIT1567	MS. MONIKA	ASST. PROF (II)	B.Tech. (2004), M.Tech. (2010), Ph.D. (Pursuing)	8-Jul-13
177	JIIT1549	MR. VINAY ANAND TIKKIWAL	ASST. PROF (II)	B.E. (2005), M.S. (2012)	14-Feb-13
178	JIIT1521	MS. PRIYANKA KWATRA	ASST. PROF (II)	B.Tech. (2009), M.Tech. (2012)	3-Jul-12
179	JIIT1689	MR. MANDEEP SINGH NARULA	ASST. PROF (II)	B.Tech. (2005), M.Tech. (2008)	29-Oct-15
180	JIIT1520	MR. VISHAL NARAIN SAXENA	ASST. PROF (II)	B.Tech. (2009), M.Tech. (2011)	4-Jul-12
181	JIIT1519	MS. SHRADHA SAXENA	ASST. PROF (II)	B.Tech. (2007), M.Tech. (2012)	9-Jul-12
182	JIIT1565	MR. ANKUR BHARDWAJ	ASST. PROF (II)	B.Tech. (2011), M.Tech. (2013)	9-Jul-13
183	JIIT1622	MR. SHIVAJI TYAGI	ASST. PROF (II)	B.Tech. (2008), M.Tech. (2012)	7-Jul-14
184	JIIT1621	MS. DEEKSHA CHANDOLA	ASST. PROF (II)	B.Tech. (2011), M.Tech. (2014)	21-Jul-14
185	JIIT1634	MR. RITESH KUMAR SHARMA	ASST. PROF (II)	B.Tech. (2010), M.Tech. (2014)	1-Aug-14
186	JIIT1662	MS. JYOTI VYAS	ASST. PROF (II)	B.E. (2006), M.Tech. (2009)	8-Jan-15
187	JIIT1690	MR. ABHAY KUMAR	ASST. PROF (II)	B.Tech. (2010), M.Tech. (2014)	2-Nov-15
188	JIIT1679	MR. VARUN GOEL	ASST. PROF (II)	B.Tech. (2011), M.Tech. (2014)	14-Aug-15
189	JIIT1638	MS. RUBY BENIWAL	ASST. PROF (II)	Diploma-ECE (2000), B.Tech. (2007), M.Tech. (2011)	16-Aug-14
190	JIIT1738	MR. RAGHVENDA KUMAR SINGH	ASST. PROF (II)	B.Tech. (2012), M.Tech. (2014)	20-Jan-17
191	JIIT1835	MS. MADHU JHARIYA	ASST. PROF (I)	BE (2009), ME (2014)	21-Aug-18
192	JIIT1836	MR. NITESH KUMAR	ASST. PROF (I)	B.Tech. (2012), M.Tech. (2016)	21-Aug-18
193	JIIT1837	MR. VIMAL SAINI	ASST. PROF (I)	B.Tech. (2015), M.Tech. (2018)	21-Aug-18
194	JIIT1838	MR. DEEPAK KUMAR	ASST. PROF (I)	B.Tech. (2015), M.Tech. (2018)	21-Aug-18

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
195	JIIT1839	MR. CHANDAN KUMAR	ASST. PROF (I)	B.Tech. (2014), M.Tech. (2018)	21-Aug-18
196	JIIT1840	MR. PRABHAKAR JHA	ASST. PROF (I)	B.Tech. (2014), M.Tech. (2016)	21-Aug-18
197	JIIT1841	MR. RAHUL KUMAR	ASST. PROF (I)	B.Tech. (2013), M.Tech. (2018)	21-Aug-18
DEPARTMENT OF MATHEMATICS					
198	JIIT1013	Prof. ALKA TRIPATHI	PROF.	B.Sc.(1988), M.Sc.(1990), , Ph.D.(1995).	17-Sep-01
199	JIITC907	Prof. RAMESH CHAND MITTAL	PROF.	B.Sc (1973), M.Sc (1975), Ph.D (1979)	2-Jul-18
200	JIIT1285	Prof. AMRISH KUMAR AGGARWAL	PROF.	B.Sc.(1987), M.Sc.(1989),B. Ed.(1990), M.Phil.(1992) PGDCA(1993)Ph.D.(2006)	4-Jul-07
201	JIIT1282	Prof. BHAGWATI PRASAD CHAMOLA	PROF.	B.Sc.(1988), M.Sc.(1990), NET(1999), M.Phil.(2001), Ph.D.(2006)	28-Jun-07
202	JIIT1176	Prof. SANJEEV SHARMA	PROF.	B.Sc.(1992), M.Sc.(1994), , Ph.D(2000)	25-Jun-05
203	JIIT1325	DR. LOKENDRA KUMAR	Asso. Prof.	B.Sc.(1997), M.Sc.(1999), Ph.D.(2004)	25-Jul-08
204	JIIT1421	DR. AMIT SRIVASTAVA	Asso. Prof.	B.Sc.(1996), M.Sc.(1998). Ph.D. (2008)	29-Jun-10
205	JIIT1444	DR. PATO KUMARI	Asso. Prof.	B.Sc.(2003), M.Sc.(2005), M.Phil.(2007), Ph.D.(2010)	1-Jan-11
206	JIIT1476	DR. PANKAJ KUMAR SRIVASTAVA	AP (SG)	B.Sc.(1995), M.Sc.(1997). Ph.D. (2010)	1-Jul-11
207	JIIT1594	DR. DINESH CHANDRA SINGH BISHT	AP (SG)	B.Sc.(2002), M.Sc.(2004), Ph.D.(2009)	8-Aug-13
208	JIIT1608	DR. ANUJ BHARDWAJ	AP (SG)	B.Sc.(1998), M.Sc.(2000), Ph.D.(2011).	28-Dec-13
209	JIIT1601	DR. YOGESH GUPTA	AP (SG)	B.Sc.(1996), M.Sc.(1998), Ph.D.(2012).	19-Sep-13
210	JIIT1605	DR. PUNEET RANA	AP (SG)	B.Sc.(2006), M.Sc.(2008), Ph.D.(2013).	23-Nov-13
211	JIIT1664	DR. LAKHVEER KAUR	AP (SG)	B.Sc.(2006), M.Sc.(2008), Ph.D.(2013).	19-Jan-15
212	JIIT1859	DR. PRIYANKA SANGAL	AP (SG)	B.Sc.(2009), M.Sc.(2011), Ph.D.(2018).	01/Jan/19
213	JIIT1727	DR.HIMANSHU AGARWAL	ASST. PROF (II)	B.SC (2007) M.SC(2009),Ph.D(2015)	10-Sep-16
214	JIIT1804	DR. PINKY CHAUHAN	ASST. PROF (II)	B.Sc.(2004), M.Sc.(2006), Ph.D.(2013).	11-Jun-18
215	JIIT1805	DR. AMITA BHAGAT	ASST. PROF (II)	B.Sc.(2004), M.Sc.(2006), Ph.D.(2015).	25-Jun-18
216	JIIT1806	DR. NEHA AHLAWAT	ASST. PROF (I)	B.Sc.(2007), M.Sc.(2010), Ph.D.(2017).	11-Jun-18

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
217	JIIT1854	DR. NEHA SINGHAL	ASST. PROF (I)	B.Sc.(2011), M.Sc.(2013), Ph.D.(2018).	17-Dec-18
218	JIIT1874	DR. SHEETAL DESHWAL	ASST. PROF (I)	B.Sc (2009), M.Sc (2013), Ph.D (2018)	1-Mar-19
DEPARTMENT OF PHYSICS & MATERIAL SCIENCE & ENGINEERING					
219	JIITC902	PROF. S. C. KATYAL	PROF.	B.Sc.(1973), M.Sc.(1975), Ph.D.(1981).	3-May-18
220	JIIT1039	PROF. ANIRBAN PATHAK	PROF.	B.Sc.(1996), M.Sc.(1998), Ph.D.(2002).	5-Aug-02
221	JIIT1166	DR. S.P PUROHIT	PROF.	B.Sc.(1984), M.Sc.(1986), Ph.D.(1992).	22-Feb-05
222	JIIT1188	DR. RAKESH KUMAR DWIVEDI	PROF.	B.Sc.(1985), M.Sc.(1989), M.Tech.(1994), Ph.D.(1999).	28-Jul-05
223	JIIT1131	DR. NAVNEET KUMAR SHARMA	Asso. Prof.	B.Sc.(1995), M.Sc.(1997), Ph.D.(2004).	15-Jun-04
224	JIIT1182	DR. PAPIA CHOWDHURY	Asso. Prof.	B.Sc.(1996), M.Sc.(1999), Ph.D.(2005).	11-Jul-05
225	JIIT1227	DR. NAVENDU GOSWAMI	Asso. Prof.	B.Sc.(1996), M.Sc.(1999),B. Ed.(2000), Ph.D.(2006).	19-Jun-06
226	JIIT1314	DR. VIVEK SAJAL	Asso. Prof.	B.Sc.(1997), M.Sc.(1999), CSIR-UGC (NET) JRF (2001), Ph.D.(2008), GATE-2002	7-Jul-08
227	JIIT1368	DR. MANOJ KUMAR	Asso. Prof.	B.Sc.(2001), M.Sc.(2003), Ph.D.(2008)	9-Jul-09
228	JIIT1395	DR. SUNEET KUMAR AWASTHI	Asso. Prof.	B.Sc.(1998), M.Sc.(2003), Ph.D.(2007)	7-Jan-10
229	JIIT1564	DR. VIKAS MALIK	Asso. Prof.	B.Sc.(1996), M.Sc.(1998), Ph.D.(2005)	8-Jul-13
230	JIIT1406	DR. SANDEEP CHHOKER	Asso. Prof.	B.Sc.(1999), M.Sc.(2003), Ph.D.(2010)	13-Jul-10
231	JIIT1496	DR. ALOK PRATAP SINGH CHAUHAN	AP (SG)	B.Tech. (2002), MS (2005), Ph.D. (2007)	9-Dec-11
232	JIIT1257	DR. AMIT VERMA	AP (SG)	B.Sc.(1997), M.Sc.(1999), M.Tech.(2002). Ph.D. (2010)	21-Sep-04
233	JIIT1503	DR. PRASHANT KUMAR CHAUHAN	AP (SG)	B.Sc.(1997), M.Sc.(1999), M.Tech.(2000). Ph.D. (2008)	3-Jan-12
234	JIIT1474	DR. BHUBESH CHANDER JOSHI	AP (SG)	B.Sc.(2002), M.Sc.(2004), Ph.D.(2010)	7-Jul-11
235	JIIT1499	DR. ANSHU DHIRENDRA VARSHNEY	AP (SG)	B.Sc.(1998), M.Sc.(2000), Ph.D.(2010)	27-Dec-11
236	JIIT1777	DR. ANURAJ PANWAR	AP (SG)	B.Sc (2000), M.SC.(2002),M. PHIL (2004), Ph.D(2010)	21-Aug-17
237	JIIT1729	DR. HIMANSHU PANDEY	AP (SG)	B.SC (2004),M.Sc.(2006), Ph.D.(2015)	1-Oct-16
238	JIIT1776	DR. DINESH TRIPATHI	ASST. PROF (II)	B.Tech (2003), M.Sc (2005), M.TECH.(2011), Ph.D(2015)	16-Aug-17
239	JIIT1829	DR. ANUJ KUMAR	ASST. PROF (II)	B.Sc (2004), M.Sc (2006), Ph.D (2014)	9-Jul-18

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
240	JIIT1801	DR. MANOJ TRIPATHI	ASST. PROF (I)	B.Sc (2001), M.Sc (2003), M.Tech (2009), Ph.D (2017)	11-Jun-18
DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES					
241	JIIT1486	PROF. ALKA SHARMA	DEAN (HUMANITIES)	B.Sc. (1983), MA(1986), M.Phil.(1988), Ph.D.(1995)	27-Jun-11
242	JIIT1205	DR. MUKTA MANI	Asso. Prof.	B.Sc.(1998), 'O' Level Diploma(1998), MBA(2000), DBF(2002), UGC-NET(2002), Ph.D.(2009)	5-Oct-05
243	JIIT1163	DR. SANTOSHI SEN GUPTA	Asso. Prof.	BBM(2002), MBA(2004), Ph.D.(2011)	31-Jan-05
244	JIIT1721	DR. MONALI BHATTACHARY	Asso. Prof.	BA (1998), MA(2000), Ph.D(2008)	24-Aug-16
245	JIIT1422	DR. AMBA AGARWAL	AP (SG)	BA (1993), MA (1995), Ph.D. (2003)	5-Jul-10
246	JIIT1446	DR. NILU CHOUDHARY	AP (SG)	BA (1983), MA (1986), B.Ed. (1991),Ph.D. (2000)	11-Jan-11
247	JIIT1483	DR. RUCHI GAUTAM	AP (SG)	B.Sc. (H) (2002), M.Sc.(2004), UGC-NET(2003), Ph.D.(2011)	25-Jun-11
248	JIIT1461	DR. SAKSHI VARSHNEY	AP (SG)	B.Com.(2001), M.Com. (2003), Ph.D. (2009), MBA (Pursuing)	1-Jul-11
249	JIIT1130	DR. BADRI BAJAJ	AP (SG)	B.Sc.(1996), MBA(1999). Ph.D.(2013).	1-Apr-04
250	JIIT1047	DR. SANTOSH DEV	AP (SG)	BA(1976), B.Ed.(1980), M.A.(1981), PGCTE(1984), PGDHRM(2007). Ph.D. (2013)	24-Oct-02
251	JIIT1327	DR. SWATI SHARMA	AP (SG)	BA(1993), PGDBM(1998), Ph.D. (2013)	18-Jul-08
252	JIIT1359	DR. SHIRIN ALAVI	AP (SG)	B.Com.(2000), Master in Int. Business(2002), Ph.D. (2013)	4-Jul-09
253	JIIT1470	DR. KANUPRIYA MISRA BAKHRU	AP (SG)	B.Tech.(2005), MBA(2009), Ph.D.(2015)	1-Jul-11
254	JIIT1328	MS. PUNEET PANNU	ASST. PROF (II)	BA(1989), MA(1991), B.Ed. (1993), MBA(2000)	12-Aug-08
255	JIIT1290	MR. MANAS RANJAN BEHERA	ASST. PROF (II)	B.Sc.(1999), M.Sc.(2001), Ph.D.(Pursuing).	11-Aug-07
256	JIIT1364	MS. ANSHU BANWARI	ASST. PROF (II)	B.E.(2003), MBA(2005)	6-Jul-09
257	JIIT1471	DR. PRAVEEN KUMAR SHARMA	ASST. PROF (II)	BBA(2004), MBA(2008), M.Phil.(2009)PH.D(2016)	24-Jun-11
258	JIIT1472	DR. DEEPAK VERMA	ASST. PROF (II)	B.Sc. (1997), MBA (1999), Ph.D. (2015)	9-Jul-11
259	JIIT1684	DR. EKTA SRIVASTAVA	ASST. PROF (II)	BA (2000), MA(2002), Ph.D.(2007)	16-Sep-15
JAYPEE BUSINESS SCHOOL					
260	JIIT1349	PROF. GOPAL KRISHNA AGARWAL	PROF.	B.Com.(1974), ICA(1978), CS(1980), CWA(1983)	22-Apr-09

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
261	JIIT1495	Prof. RAJNISH KUMAR MISRA	PROF.	BA (1991), M. Psy. HRDM (1999), Ph.D. (2001)	17-Oct-11
262	JIITC909	Prof. SHANTANU KUMAR BISWAS	PROF.	B.Sc (1979), LLB (2002, Ph.D (2018)	20-Sep-18
263	JIIT1384	DR. MOONIS SHAKEEL	Asso. Prof.	BA (2002), MA(2004), Ph.D.(2009)	5-Nov-09
264	JIIT1289	DR. RAHUL SHARMA	Asso. Prof.	B.Com.(1999), M.Com. (2002), Ph.D.(2009), PGDIM(Pursuing)	4-Aug-07
265	JIIT1294	DR. S. SURESH	AP (SG)	BE(1992), PGDM(1995), Ph.D. (2013)	4-Dec-07
266	JIIT1403	DR. SUJATA KAPOOR	AP (SG)	B.Com.(2002), M.Com. (2004), MBA(2004), Ph.D (2010)	26-Mar-10
267	JIIT1562	DR. SHRIRAM ANIL PURANKAR	AP (SG)	BE (2004), MBA (2011), Ph.D (2018)	14-Jun-13
268	JIIT1855	DR. CHARU SIJORIA	AP (SG)	B.Tech (2013), MBA (2015), Ph.D (2018)	24-Dec-18
269	JIIT1858	DR. VISHAL GUPTA	AP (SG)	B.SC (1997), MBA (2000), Ph.D (2015)	29-Dec-18
270	JIIT1864	DR. ARUN KUMAR DESHMUKH	AP (SG)	BBA(2007), MBA(2009), Ph.D (2017)	10-Jan-19
271	JIIT1789	MR. KALYAN ASHIS SAMADDAR	ASST. PROF (II)	B.E. (1995), M.E. (1997), MBA (2014)	18-Sep-17

Note:

ASST. PROF (I)	Assistant Professor (Grade-I)
ASST. PROF (II)	Assistant Professor (Grade-II)
AP (SG)	Assistant Professor (Senior Grade)
Asso. Prof.	Associate Professor
Prof.	Professor

DASS GUPTA & ASSOCIATES
Chartered Accountants

Independent Auditors' Report

To the Members of the Board of Management

Jaypee Institute of Information Technology
(declared as deemed to be university u/s 3 of the UGC act,1956),
A-10, Sector-62, NOIDA, U.P.

Report on the Financial Statements

We have audited the attached Balance Sheet of Jaypee Institute of Information Technology. **[Run by Jaypee Institute of Information Technology Society (Regd.)]**, as at 31st march 2019 and the annexed Income & Expenditure Account for the year then ended, and a summary of significant Accounting Policies and other explanatory information.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation of these financial statements that give a true and fair view of the financial position and financial performance of the University in accordance with the income tax act 1961("the Act"). This responsibility also includes maintenance of adequate accounting records in accordance with the provisions of the act for safeguarding the assets of the university and for preventing and detecting frauds and

DASS GUPTA & ASSOCIATES
Chartered Accountants

other irregularities; selection and application of appropriate accounting policies; making judgments in the estimates that are reasonable and prudent; and design, implementation and maintenance of adequate internal financial controls, that were operating effectively for ensuring the accuracy and completeness of the accounting records, relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An 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

DASS GUPTA & ASSOCIATES
Chartered Accountants

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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.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

a. In our opinion and to the best of our information and according to the explanations given to us, the said accounts with significant accounting policies and other notes thereon give a true and fair view:

(i) In the case of Balance Sheet, of the state of affairs of the Institute as at 31ˢᵗ March 2019; And

(ii) In the case of Income & Expenditure Account, of the Deficit for the year ended on that date.

Report on Other Legal and Regulatory Requirements

b. We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit.

DASS GUPTA & ASSOCIATES
Chartered Accountants

B-4, NDG Center, Gulmohar Park, New Delhi - 110049
Phones: 46111000 (30 lines) FAX: 011-4611 1099 E-mail: admin @ dassgupta.com

c. in our opinion proper books of account as required by law have been kept by the Company so far as appears from our examination of those books;

d. the Balance Sheet and Statement of Income & Expenditure Account dealt with by this Report are in agreement with the books of account;

e. In our opinion the Balance Sheet and Income & Expenditure Account dealt with by this report comply with the applicable accounting standards subject to our comments in Significant Accounting Policies and Notes annexed to and forming part of the accounts.

For and on behalf of
DASS GUPTA & ASSOCIATES
CHARTERED ACCOUNTANTS
Registration No: 000112N

(Ashok Kumar Jain)
Partner
Membership No. 090563

DATE : 27/09/2019
PLACE: NEW DELHI

UDIN NO. 19090563AAAADJ5157
UDIN NO. 19090563AAAADK8211

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Jaypee Institute of Information Technology , Society (Regd)
63,BASANT LOK , VASANT VIHAR, NEW DELHI-110057

BALANCE SHEET AS ON 31.03.2019

Liabilities

Amount (Rs) 31.03.2018	LIABILITIES	SCH	Amount (Rs) 31.03.2019	
	CORPUS FUND			
5,00,00,000	Opening Balance:			
10,00,00,000	Add:Transfer from General Fund			
15,00,00,000			15,00,00,000	15,00,00,000
	REVALUATION OF ASSETS RESERVE			
16,08,024	Opening Balance		13,67,417	
2,40,607	Less : Depreciation during the year on revalued Assets		2,04,573	
13,67,417				11,62,844
	GENERAL FUND			
1,20,54,46,315	Opening Balance		1,35,50,34,620	
30,18,97,866	Add:development fee received during the year		29,72,64,058	
(10,00,00,000)	Less : Transfer to Corpus Fund		-	
(5,23,09,561)	Less : Deficit as per Income & Expenditure Account		(14,93,94,528)	1,50,29,04,150
1,35,50,34,620				
	RESEARCH PROJECT GRANTS			
38,11,302	Opening Balance		79,44,042	
1,73,49,301	Add : Received during the year		2,18,39,792	
(1,32,16,561)	Less : Utilised/Refunded during the year		(1,85,94,908)	1,11,88,926
79,44,042				
	SECURED LOANS			
76,03,25,224	From Yes Bank, New Delhi (Refer Note - 3)			74,67,21,115
	DEFERRED PAYMENT LIABILITY			20,00,00,000
20,00,00,000				
	CURRENT LIABILITIES & PROVISIONS	"G"		
15,72,56,373	Sundry Creditors			13,64,49,689
24,15,68,485	Other liabilities	"H"		24,71,73,470
	CAUTION MONEY			
4,79,69,240	Current Students		4,68,90,644	
	(due for payment during next one year Rs.14030644/- Previous year Rs.2201000/-			
4,19,300	Ex-students / Un-Claimed		-	4,68,90,644
2,92,18,84,701	**Total**			**3,04,24,90,838**

Assets

Amount (Rs) 31.03.2018		ASSETS	SCH	Amount (Rs) 31.03.2019	
		FIXED ASSETS			
2,94,09,79,035		Gross Block	"A"	3,02,09,57,281	
92,34,23,525		Less : Depreciation		1,10,82,45,741	1,91,27,11,540
2,01,75,55,510					
		Capital Work in Progress			2,33,640
		CURRENT ASSETS, LOANS & ADVANCES			
75,10,36,686		Cash & Bank Balance	"B"		87,32,02,869
13,26,71,832		Advances recoverable in Cash or in Kind or value to be received	"C"		23,79,55,590
1,16,87,289		Prepaid Expenses	"D"		93,07,862
11,66,429		Security Deposit	"E"		12,21,189
77,66,955		Stock- in- Hand	"F"		78,58,148
2,92,18,84,701		**Total**			**3,04,24,90,838**

Significant Accounting policies and notes on accounts as per Schedule 'M' form part of Balance Sheet. As per our report of even date attached

for DASS GUPTA & ASSOCIATES
CHARTERED ACCOUNTANTS
Registration No: 000112N

(Ashok Kumar Jain)
PARTNER
Membership No: 090563

For Jaypee Institute of Information Technology Society
(RUNING JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY)
(Declared as Deemed to be University under Section 3 of the UGC Act 1956)

(Prof.S.C.Saxena)
Vice-Chancellor

(Col. Sherad Rastogi)
Registrar

(Ashish Banerjee)
Chief Finance Officer

Place : New Delhi
Date : 27/09/2019

Jaypee Institute of Information Technology , Society (Regd)
63, BASANT LOK., VASANT VIHAR, NEW DELHI-110057

Income & Expenditure Account for the year ended 31.03.2019

Amount (Rs.) 31.03.2018	EXPENDITURE	SCH	Amount (Rs.) 31.03.2019	INCOME	SCH	Amount (Rs.) 31.03.2018	Amount (Rs.) 31.03.2019
22,05,17,869	Institute Expenses	"I"	29,58,41,556	Collection from Students	"L"	1,01,09,76,548	1,04,22,77,005
47,83,93,152	Salary & Allowances	"J"	53,09,71,102	Interest received		5,92,68,261	5,25,82,410
26,56,55,960	Students' Hostel Expenses	"K"	25,87,09,087	Other Misc. income		79,43,346	78,76,559
5,07,23,688	Interest & Finance Charges		5,13,02,137	Donation received		—	—
11,52,07,047	Depreciation		11,53,05,621			1,07,81,88,155	1,10,27,35,974
				Deficit Carried over to Balance Sheet		5,23,09,561	14,93,94,528
1,13,04,97,716	Total		1,25,21,30,502	Total		1,13,04,97,716	1,25,21,30,502

Significant Accounting policies and notes on accounts as per Schedule 'M' form part of Balance Sheet.
As per our report of even date attached

for DASS GUPTA & ASSOCIATES
CHARTERED ACCOUNTANTS
Reg.No:000112N

(Ashok Kumar Jain)
PARTNER
Membership No: 080563
Place : New Delhi
Date : 27/09/2019

For Jaypee Institute of Information Technology Society
(RUNING JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY)
(Declared as Deemed to be University under Section 3 of the UGC Act,1956)

(Prof.S.C Saxena)
Vice-Chancellor

(Col. Sharad Rastogi)
Registrar

(Ashish Banerjee)
Chief Finance Officer

Notes

Notes

Jaypee Institute of Information Technology, Noida At a Glance

JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY

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

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