JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY

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JAYPEE INSTITUTE OF
INFORMATION TECHNOLOGY

ANNUAL REPORT
2017 - 18

JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY

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

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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 University, with effect from 01 Nov 2004
Location	:	A-10, Sector-62, Noida
Pin code	:	201307
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 Benerjee**

Tele/Fax/Website

Vice Chancellor	:	(O)	0120-2594105
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Registrar	:	(O)	0120-2400907
			0120-2700973-976 Ext-600
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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 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 Jaiprakash Sewa Sansthan (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 Jaiprakash Sewa Sansthan (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. **Nominee of UGC**

   Prof. K.P. Singh (Letter ref No 1-2/2016(CPP-I/DU)

   Former VC, VBS Purvanchal University, Jaunpur & Former Director, IT, BHU

   Professor - Emeritus

   Dept. of Electronics Engineering,

   Institute of Technology, BHU, Varanasi

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 or Trust**

   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.**

ACADEMIC PROFILE

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 theoretical knowledge with 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,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)

The program aims at producing high quality engineers in the area of Electronics & Communication Engineering who can take up challenges in design, development, research, manufacturing, management and academics. Students get a good foundation in Basic Sciences, Mathematics, Engineering and in different areas of Electronics & Communication Engineering. Various Professional Development Courses offered to the students in the form of electives from Languages, Humanities, Social Sciences and Management aid in nurturing good professionals in their respective branch of specialization in these four years.

The salient features of the degree programs are:

- In depth knowledge of core courses,
- Inculcate analytical approach,
- Mix of hardware and software based experiments,

- Emphasis on project work and project based learning,
- Emphasis on learning through design and simulation,
- Open ended laboratory problems in Lab courses,
- Sufficient number of courses on Humanities and personality development,
- State- of - the - Art courses in the areas such as Mobile and Optical Communications, Telecommunications Networks, Signal Processing, Microelectronics, Digital System Design, and Embedded Systems.

Integrated M.Tech Programs

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

Department 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. Students are encouraged and providedopportunities to work on research based projects yielding publications in journals of International and National repute.

(ii) 5 Year Integrated Program 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.

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

The 5 year integrated program of Bachelor of Technology (B. Tech.) and Master of Technology (M. Tech.) has been started with effect from the year 2012. Curriculum has been carefully designed to meet the objectives of theoretical rigor and applications. In order to complete the required courses, students have to work on seminar and project course in the summer between VIII and IX semester.

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. 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)

This program covers a number of areas at advanced level like Mobile, Wireless, Optical, Computer Communication System, Digital Signal Processing, Spread Spectrum Communication, Information theory and MIMO and OFDM Systems. To facilitate the students, advanced communication systems lab has been setup in the field of modern RF and optical wireless communication systems.

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

This program focuses on Microelectronics and MEMS Devices and Technology, VHDL based Digital Design, Analogue and Digital CMOS Design and Embedded Systems Design. Students make use of modern software and hardware tools and techniques to implement VLSI Design. A new lab facility "VLSI lab" has been created with up-to-date industry standard VLSI EDA tools, Mentor Graphics, Synopsys EDA Tool, and XILINX ISE Design Suite.

(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 (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.

(vi) M.Tech (Computer Science 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.

(vii) M.Tech (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.

(viii) M.Tech (Computer Science and Engineering 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)

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

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

Department of Mathematics offers its M. Tech. program in Applied and Computational Mathematics. It is a four semester PG Program which was started from the academic session 2008-2009. The primary objective of this program is to equip the students with advanced topics in applied mathematics, advanced computing methods, simulation and modelling so that they can efficiently deal with the problems faced by industry and other sectors through knowledge of mathematics and scientific computation. The curriculum and the course contents of the program are designed keeping in mind the interdisciplinary nature of the program. It provides a broad understanding of the different aspects of the pure and applied mathematics on one hand while their computer applications on the other. The courses cover a wide spectrum of topics including advanced linear algebra, functional analysis, applied numerical methods, operations research, wavelets and its applications, fractals and chaos, linear statistical models etc. An important component of the program is its computational science dissertation project work which is done by the student on any important and emerging topic.

(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) Electronics & Communication Engineering

The doctoral program leading to Ph. D. degree involves fulfilling specified course credit requirements, residential requirement and a thesis with critical account of the research work carried out in a chosen area. Some areas for research are: 5G Cellular Technologies, Communication Channel Modeling, Free Space Optical Communication Systems, Integrated Antennas, Cognitive Radio, Signal Denoising, Device Modeling,

Digital Filter Design and Applications, Machine Learning/Deep Learning, Distributed Networks, Digital System Testing, Image Forensics, Big Data Analysis, Analog IC Design, VLSI-DSP Architecture, Semiconductor Memories, Embedded System Applications and Renewable Energy and Smart Grids.

(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) 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 have secured 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.

(iv) Physics and Materials Science & Engineering

The 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, Higher order non-classical states, Quantum cryptography, Quantum gates and circuits, Laser plasma interaction, and Tera-hertz radiation generation.

Department has dedicated Materials synthesis and characterization laboratories equipped with teaching and research infrastructure for PG and Ph.D. students. Currently 22 full time Ph.D. scholars are working in the department.

(v) Mathematics

Department of Mathematics offers excellent opportunities for research in both pure and applied mathematics. The eligibility is minimum 60% aggregate marks or CGPA not less than 6 on 10 point scale in the qualifying examination. The candidate should also have passed one of the following Entrance Tests: SLET /UGC /CSIR (JRF) or equivalent national level examinations or JIIT entrance test. Only the short-listed eligible candidates are called for interview and selection is based on performance in the interview and the written test. Presently, there are seventeen students enrolled in this program.

The Department offers doctoral research program in the following emerging areas:

- Fractals and Chaos, Mathematical Analysis
- Numerical Analysis and Computational Continuum Mechanics
- Statistics, Fuzzy, Information Theory and Operations Research.

(vi) 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.

(vii) 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.

(vii) Humanities & Social Sciences

The Department 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.

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: large and well diversified faculty, 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: Artificial Intelligence, Data Science, Cloud Computing, Information and Cyber Security, Pervasive Computing and Internet of Things, Multimedia computing and Software Engineering and Information Systems. 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.

The Centre for Performance Modelling of Computing Systems aims to help improve the rigour and methods of our research in all areas of computing. This centre provides opportunities to share and further develop the performance assessment methods, metrics, datasets, benchmarks, tools, workbenches, and modelling techniques across different computing areas. A multi-faculty research project to build a Corpus of Performance Assessment of Computing Systems (COPACS) has been initiated under this centre.

Prayag, a Centre for Knowledge Informatics for Sustainable Development—works towards contextualising it in the broader societal context and contemporary concerns. This centre encourages the faculty and students to align their research concerns with the UN defined Sustainable Development Goals and targets related to environment, health care, education, heritage, rural development, and other such issues. A multi-faculty research project to build a Corpus of Resources and Engagements for Deep and Effective Learning (CREDEL) has been initiated under this centre. It is planned to redefine the learning outcomes of our courses in view of the insights gained out of this centre's activities.

➢ Facilities including labs

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

Participation by Department faculty in seminars, symposiums, conferences at national and international separately.

1. 40+ faculty members attended National FDP on Performance Assessment of Computing Systems from 10 -15 July, 2017
2. 92 faculty members attended Tenth International Conference on Contemporary Computing, Jaypee Institute of Information Technology, Noida, August 10-12, 2017.
3. 30 faculty members attended National Short term course Data Mining and Business Intelligence from 4-8 September, 2017
4. 5 faculty members attended guest lecture on Multimedia Technology - An Engineer's Point of View on 11 September 2017
5. 50 faculty members attended guest lecture on Quantum Gates and Quantum Dot Cellular Automata: Nano approach for future GREEN COMPUTING on 3 October 2017
6. 12 faculty members attended National workshop on Scilab demonstration (ICT Mode, FOSSEE team, conducted by IIT Bombay) on 12 October 2017
7. 75 faculty members attended National Workshop on Research Trends in Machine learning and Artificial Intelligence on 13 November 2017
8. 44 faculty members attended National Workshop on Computational Intelligence(NWCI-2017) from 01-02, December 2017
9. 16 faculty members attended National Weekend Training Programme Saptahaant Shikshak Prashikshan (SSP) On Introduction To Machine Learning from 16-17 December, 2017
10. 37 faculty members attended National Workshop on Soft Computing and Language Processing from 27th April -28thApril , 2018
11. 15 faculty members attended National summer school on Security in Computing from 25 June 2018- 7 July 2018
12. 13 faculty members attended National training workshop for lab assistants from 25th - 30th June, 2018
13. 4 faculty members successfully passed the TalentNext certification assessment and recognized as mentor for project Based Learning 'PBL' in Java J2EE course by WIPRO in August 2018.
14. 4 faculty members participated in a two week workshop at Wipro Technologies, Bangalore on "Digital Skills readiness Program" from 2-April to 13-April 2018.

Delivered Talks by Faculty of Deptt of CSE & IT:

1. Dr. Manish K Thakur and Prof Nitin delivered talk on "Peformance Metrics for Parallel Computing and Algorithms" in FDP on "Performance Assessment of Computing Systems" held at JIIT, Noida from July 10-15, 2017.

2. Dr. Sangeeta Mittal delivered talk on “Performance Metrics for Network Security” in FDP on “Performance Assessment of Computing Systems” held at JIIT, Noida from July 10-15, 2017.
3. Dr. K Rajalakshmi delivered talk on “Performance Assessment of Mobile and Pervasive Computing Systems” in FDP on “Performance Assessment of Computing Systems” held at JIIT, Noida from July 10-15, 2017.
4. Dr. P Raghu Vamsi delivered talk on “Perfomance Evaluation of Trust Aware Routing Methods in Wireless Ad-hoc Networks” in FDP on “Performance Assessment of Computing Systems” held at JIIT, Noida from July 10-15, 2017.
5. Dr. Kavita Pandey delivered talk on “Perfomance Evaluation Metrics for VANETs/MANETs” in FDP on “Performance Assessment of Computing Systems” held at JIIT, Noida from July 10-15, 2017.
6. Dr. Gagandeep Kaur delivered talk on “Perfomance Evaluation Metrics for Wireless Network Security” in FDP on “Performance Assessment of Computing Systems” held at JIIT, Noida from July 10-15, 2017.
7. Prof. Padam Kumar delivered talk on “Performance Analysis through Simulation” in FDP on “Performance Assessment of Computing Systems” held at JIIT, Noida from July 10-15, 2017.
8. Dr. Satish Chandra delivered talk on “Performance Assessment of Data Mining & Machine Learning” in FDP on “Performance Assessment of Computing Systems” held at JIIT, Noida from July 10-15, 2017.
9. Dr. Suma Dawn delivered talk on “Performance Assessment in Computer Graphics and Animation” in FDP on “Performance Assessment of Computing Systems” held at JIIT, Noida from July 10-15, 2017.
10. Dr Parmeet Kaur and Dr Prakash Kumar delivered talk on “Performance Assessment of Cloud based systems” in FDP on “Performance Assessment of Computing Systems” held at JIIT, Noida from July 10-15, 2017.
11. Dr. Chetna Dabas delivered talk on “Performance Assessment of Multicore systems” in FDP on “Performance Assessment of Computing Systems” held at JIIT, Noida from July 10-15, 2017.
12. Dr. Bharat Gupta delivered talk on “Performance Analysis using R” in FDP on “Performance Assessment of Computing Systems” held at JIIT, Noida from July 10-15, 2017.
13. Dr. Yamuna Prasad Shukla delivered talk on “Performance Assessment in Machine Learning Methods” in FDP on “Performance Assessment of Computing Systems” held at JIIT, Noida from July 10-15, 2017.
14. Dr. Chetna Gupta and Dr. Neetu Sardana delivered talk on “Performance Assessment of Web based Info Systems” in FDP on “Performance Assessment of Computing Systems” held at JIIT, Noida from July 10-15, 2017.
15. Dr. Shikha Mehta delivered talk on “Performance Assessment of Big Data Systems” in FDP on “Performance Assessment of Computing Systems” held at JIIT, Noida from July 10-15, 2017.
16. Dr. Anuja and Ms Niyati delivered talk on “Performance Assessment of Social Media Analytics” in FDP on “Performance Assessment of Computing Systems” held at JIIT, Noida from July 10-15, 2017.
17. Dr. Vikas Saxena delivered talk on “Performance Metrics for Image Processing” in FDP on “Performance Assessment of Computing Systems” held at JIIT, Noida from July 10-15, 2017.
18. Dr. Sandeep K Singh delivered talk on “Performance Evaluation of Software Architecture and Processes” in FDP on “Performance Assessment of Computing Systems” held at JIIT, Noida from July 10-15, 2017.
19. Ms. Anubhuti Roda delivered lecture on “QOS and Security in MANETS” at GH RAISONI COLLEGE OF ENGINEERING from 29-30 November 2017.
20. Dr. Sangeeta Mittal invited to deliver a tutorial on “Software Defined Networks: Implementation and Research Issues” at IIT Roorkee, in workshops session of INDICON- 2017 on 15th Dec, 2017
21. Dr. Mukesh Saraswat delivered expert Lecture on “Introduction to Deep Learning with TensorFlow”, at Department of Computer Science & Engineering, Meerut Institute of Engineering & technology, Meerut, India, on 19 January, 2018.
22. Dr. Mukesh Saraswat invited to deliver talk on “Introduction to Image Processing using MatLab”, at Department of Computer Science & Engineering, IET, Lucknow, India, February 25, 2018.

23. Dr. Mukesh Saraswat delivered expert Lecture on “Image Processing Toolbox of Matlab”, Department of Computer Science & Engineering, Vedant College of Engineering & Technology, Kota, 11-12 March, 2018

24. Dr. Mukesh Saraswat delivered expert Lecture on “Introduction to Deep Learning”,Department of Computer Science & Engineering, Global Institute of Technology, Jaipur, 18-19, April 2018

25. Dr. Shikha Mehta delivered a talk on “Nature Inspired Algorithms”, at faculty development program titled “Data Structure Algorithms and Digital Image Processing” organized by Department of Computer Science & Engineering at Dewan V.S. Institute of Engineering and Technology, Meerut under the ages of TEQIP-III & Dr. A.P.J Abdul Kalam Technical University, Lucknow, 13-18, May, 2018.

26. Mr. Raju Pal delivered a expert lecture on “Writing Research papers using LaTeX” at Global Institute of Technology, Jaipur, Rajasthan from 21-23 May, 2018

27. Dr. Mukesh Saraswat delivered expert Lecture on “Writing Research papers Using LaTeX”, Department of Computer Science & Engineering, Global Institute of Technology, Jaipur, from 21-23 May, 2018

28. Dr. Vikas Saxena delivered invited talk in Two Weeks Faculty Development Programme (14th – 26th May, 2018) on “Emerging Research Trends in Computer Science & IT” at BVICAM, New Delhi, on the Topic Image Mining in the era of Deep learning on 23 May 2018

29. Dr. Shikha Mehta delivered a four day module on “Designing Web Interface using PHP programming and Wordpress for Online Store” in the Add-on Course on “On-line Retailing: An industry Orientation for Undergraduate Students” organized by Dept. of Comp. Sc., Deen Dayal Upadhyaya College, University of Delhi, Delhi, from 1-3 June, 2018.

30. Dr. Mukesh Saraswat delivered expert Lecture on “Practical Exposure of Latex, MatLab, Python & Machine Learning”, Department of Information Technology, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur, from 11-15 June, 2018

31. Dr. Sandeep Kumar Singh invited to deliver talk on “Collective Intelligence- A paradigm shift Concepts, Applications and Research” at JSS, in AKTU Sponsored FDP on Soft Computing: Techniques, Tools and Applications on 11th June, 2018

32. Dr. Vikas Saxena invited to deliver talk on “Image Mining Issues and Challenges” at JSS, in AKTU Sponsored FDP on Soft Computing: Techniques, Tools and Applications on 12th June, 2018

33. Dr. Shikha Mehta delivered a talk on “Performance Evaluation of Big Data Systems”, at faculty development program FDP on “Performance Assessment in Computing Systems” at JIIT, Noida, 10-15 July,2017

34. Dr. Adwitiya Sinha invited to deliver talk on, “Social Media & Networking,” National Seminar on Applications & of Graphs & Networks in Computational Studies, Bioinformatics, Engineering & its Technical Terminology, School of Computational & Integrative Sciences, Jawaharlal Nehru University (JNU), MHRD, Govt. of India, 2018

35. Dr. Adwitiya Sinha invited to deliver talk on, “Significance of Performance Analysis,” MOOC on Performance Analysis of Computing Systems, CEC, UGC, 2018

36. Dr. Adwitiya Sinha invited to deliver talk on, “Basics of Performance Analysis & Modeling,” MOOC on Performance Analysis of Computing Systems, CEC, UGC, 2018

37. Dr. Adwitiya Sinha invited to deliver talk on, “Random Variables & Inequalities,” MOOC on Performance Analysis of Computing Systems, CEC, UGC, 2018

38. Dr. Satish Chandra delivered a lecture on “Metaheuristics in Machine learning: Limits and Justification” Machine Learning for Signal Processing held at JIIT, Noida, 18-22 Dec, 2017.

39. Dr. Gagandeep Kaur, delivered two hour session on Botnets & their detection at Faculty Development Programme on Cryptography Sponsored by Dr. A. P. J. Abdul Kalam Technical University Lucknow, Uttar Pradesh at IIMT College of Engineering, Greater Noida, May 2018

40. Dr. Gagandeep Kaur, delivered two hour session on Botnets & their detection at Summer School on Security in Computing-2018 held at JIIT sec-128, Jun 2018

41. Dr. Mukesh Saraswat delivered Expert Lecture on “Practical Exposure of Latex, MatLab, Python & Machine Learning”, at Department of Information Technology, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur, India, 11-15 June, 2018.

42. Dr. Mukesh Saraswat delivered Expert Lecture on “Writing Research papers Using LATEX”, at Department of Computer Science & Engineering, Global Institute of Technology, Jaipur, India, 21-23 May, 2018.

43. Dr. Tribhuwan Kumar Tiwari delivered technical talk titled “Audio Watermarking: A Solution for Music Piracy” on 12th July 2017 during one week FDP on Recent Trends in Signal Processing at JIIT Noida from 10th to 15th July, 2017.

44. Dr. Tribhuwan Kumar Tiwari delivered technical talk titled “Advances in Data Hiding & Watermarking” on 6th July 2018 during one week FDP on Recent Trends in Signal Processing at JIIT Noida from 4th to 10th July, 2018

Departmental initiatives in the JIIT Campus to include guest speakers, seminars, talks, workshops and conferences conducted in the departments.

1. **FDP on “ Performance Assessment of Computing Systems” in Computer Science, (10th to 15th July 2017) was attended by 40 participants.**

   In this FDP, there were a total of 25 talks, given by 28 speakers, most of them being faculty members of CSE department and few external experts specifically elaborating conventional and contemporary metrics as drivers of performance in various computing areas such as parallel computing, multi-core systems, operating systems, network security and wireless networks, Trusted software systems, web-based information system, mobile and pervasive computing systems, cloud-based systems, data mining, machine learning, machine translation, big data systems, social media, image processing, graphics and animations among others.

   Having industry experts on panel of speakers gave useful insights into industry practices with respect to performance metrics and optimization. Mr. Sandesh Goel, distinguished technologist at Aruba HPE, talked about performance optimization intricacies of real products. Another expert from industry, Dr. Pawan Kumar, Expert Software Consultants Ltd., spoke on “Performance Issues in Machine Translation, covering Machine Translation (MT) System, performance issues in context of MT, and Sampark MT System.

2. **10th International Conference on Contemporary Computing (IC3-2017) (10-12 Aug 2017)**

   This was the tenth edition of annual conference IC3. For the five tracks (Systems, Algorithms, applications, Industry & Education), more than 300 papers were received. A team comprising of 150 reviewers reviewed the paper and finally, 59 full papers were accepted and published. There were 17 more papers which were accepted as short papers and were presented as poster during the conference. There was one invited paper also. For 77 accepted papers, 12 Authors were from USA and 3 were from SPAIN. IC3 2017 was spanned in total 26 sessions. Funding Agencies was JIIT , Noida.

   Eminent Participants and speakers were David Abramson, University of Queensland, Australia, Shigang Chen, University of Florida,USA, Louiqa Raschid, University of Maryland, USA, Jayant Haritsa, Indian Institute of Science, Bangalore, India, R.K. Shyamasundar, IIT Bombay, India, Sandeep Sen , Indian Institute of Technology, Delhi, India, Pankesh Patel ,Research Scientist, ABB Corporate Research-India, Sanjay Ranka, University of Florida, Gainesville, USA .

   Total 6 authors from abroad, 36 from other part of India and total 92 from JIIT Noida, attended the event.

3. **Short Term Course on Data Mining and Business Intelligence (ICT mode) (4-8 September 2017)**

   The theme of the course was to cover the basics of Data Mining and Business Intelligence, with emerging trends in Data mining and Collaborative Filtering techniques. The practical demonstration of clustering and classification algorithms using Weka Tool and Python was also covered, further some other machine learning techniques was also introduced with practical session. Funding Agency were NITTR Chandigarh and JIIT . The speakers were Mrs. Shano Solanki, Asst. Prof., CSE, NITTTR, Chandigarh; Sangeeta Gupta, Junior System Programmer, , NITTTR, Chandigarh; Mr. Amit Doegar, Asst. Prof., CSE, NITTTR, Chandigarh; Dr. Rakesh Kumar, Asst. Prof., CSE, , NITTTR, Chandigarh; Dr. Sarbjeet Singh, Professor, UIET Chandigarh; Dr. Gaurav Kumar (Expert Faculty), Managing Director, Magma Research and Consultancy Pvt. Ltd

4. **National Workshop on Big Data Analytics and Visualization (5-7 September 2017)**

   Computational Intelligence (CI) is a biologically inspired tool used to solve complex real-world problems where traditional methods generally fail. Major constituents of CI are neural networks, fuzzy logic, evolutionary algorithms, swarm intelligence algorithms, and hybrid intelligent systems. The aim of the workshop was to educate the participants about the fundamentals of these techniques by using hands-on practice on various real-world applications of Computer Science & Engineering domain. The program was delivered with practical approaches to convey information more effectively and enable the visualization and application of computational intelligence in engineering domain.

   There were five technical sessions including three practical sessions. Dr. Jagdish Chand Bansal, Assistant Professor, South Asian University, New Delhi; Dr. Harish Sharma, Associate Professor, Rajasthan Technical University, Kota; Mr. Nakul Pritam, Senior UI Engineer, TAISTech, Noida; Dr. Mukesh Saraswat, Assistant Professor, JIIT, Noida; Dr. Dinesh Bisht, Assistant Professor, JIIT, Noida were the eminent speakers of the workshop.

5. **Talk titled " Multimedia Technology - Engineer's Point of View" by Mr. Vishal Chandra Gupta ,Senior Technical Manager, HCL Technologies, Noida, was delivered on 11-09-2017 & was attended by 30 participants.**

   This talk was by Vishal Chandra Gupta, Technical Manager, HCL Technologies. He is an astute professional with 15+ years of industry experience in Telecom, Set Top Box, Transport Stream Analysis Synthesis and Programming in Java, C, and C++. He has worked for big companies like - Samsung, Motorola, Aricent, Toshiba and HCL Technologies.

   The guest talked about the Multimedia and related internal technologies. Guest introduced a fair understanding of programming, mathematics and Digital Signal Processing. It was shown how DSP tools apply to Audio, Still Image and Video CODECs. Guest elaborated the gap between theory and real life implementation. Guest talked about colour space and audio waveform and how a human sense perceives them, and how we take advantage of human limitations in programming our CODECs. Guest also talked about the latest Technological trends in the field of Audio, still Image and Video compression and file formats and structures. Overall the lecture was appreciated by all the audience and feedback was satisfactory.

6. **Talk titled "Quantum Gates and Quantum Dot Cellular Automata - Nano Approach for Future Green Computing" by Prof. Atal Chaudhuri, Jadavpur University, was delivered on 03-10-2017 & was attended by 80 participants.**

   Prof. Atal Chaudhuri, passed Higher Secondary Examination in the year 1975 securing 16th rank in Science Stream (84.5%) in the State of West Bengal. He was awarded National Scholar Certificate and Proficiency Scholarship for having rank in top 25 and outstanding performance in school leaving examination.

   He has copy right on software developed for Automated Braille Printer. He designed Computerized Braille Press for Blind Boy's Academy, Narendrapur Ramakrishna Mission, West Bengal.

   In talk he provided a brief survey, technical details and finally an automated tool to realize possible minimal logic using QCA majority voter gates, restricted to four variables.

7. **Scilab demonstration (ICT Mode, FOSSEE team, conducted by IIT Bombay) on 12th October 2017**

   Funding Agencies: JIIT, Outstanding Participants: Fossee Company Representatives

   This Workshop was organised on 12th October 2017, organizer of the workshop was Fossee company at IIT, Bombay and same was conducted at JIIT, sector 128, Noida. The aim of the workshop is that participants should be able to locate code for the text books they use and execute it on cloud with or without changes and also find out how to use function call and how to set new problems for your assignment, lab, quiz, exam.

8. **Workshop on Research Trends in Machine learning and Artificial Intelligence was attended by 75 participant was conducted on 13th November 2017**

   This workshop had three sessions. The first two sessions were conducted by Prof. Rao Vemuri, Professor Emeritus, University of California, Davis, USA. In the first session, the topic of his talk was "An idea to make

Millions". In this session, he mainly talked about Evolution of Machine Learning, its historical and converging trends. He also discussed the various algorithms of machine learning. He told the importance of programming skills and also discussed the recent programming tools of machine learning.

In the second session, he had delivered a lecture on "From Perceptrons to Convolution Neural Nets: A Personal Journey." After discussing the limitations of perceptrons, he showed the applicability of Convolution Neural Networks in Image processing. He additionally talked about the emerging research opportunities in Machine learning.

In the third session, "Doctoral Symposium on Machine Learning and Artificial Intelligence", eight research scholars of CSE department presented their work and took the suggestions of Prof. Rao Vemuri. The following research scholars presented their work

9. **National Workshop on Computational Intelligence from 1-2 December 2017 Funding Agencies: JIIT**

   The major contents of the workshop were machine Learning with Python, deep neural network with TensorFlow, fuzzy logic and applications, biogeography-based optimization, and performance Indicators for nature inspired algorithms.

   Total 6 participants from outside and 44 from JIIT attended this workshop.

10. **Weekend Training Programme Saptahaant Shikshak Prashikshan (SSP) On Introduction To Machine Learning on 16th December 2017**

11. **Workshop on Introduction to Machine Learning from 16-17 December 2017 Funding Agencies: JIIT**

    The objective of this workshop was to ensure that at the end of this workshop:

    Participants pursuing this course should be able to:

    - Identify real world situations where Machine Learning Techniques are suitable / more efficient than other approaches.
    - Formulate the real life problem as an appropriate machine learning problem.
    - Understand the inner workings of existing machine learning techniques.
    - Understand the principles behind designing new machine learning techniques.
    - The speaker were:
    - Prof. Sourangshu Bhattacharya, Department of Computer Science and Engineering, IIT Kharagpur
    - Prof. Pawan Goyal, Department of Computer Science and Engineering, IIT Kharagpur

12. **Workshop on Soft Computing and Language Processing from 27-28 April 2018**

    Soft Computing and its applications are used to solve complex real-world problems where traditional methods generally fail. Major constituents of soft computing techniques are fuzzy logic, evolutionary algorithms, Neural network, Machine learning techniques. The objective of the workshop was to explore the applications of soft computing techniques in the Language Processing. The external speakers and title of their talks was as follows:

    - Language Technology Resource Development and the Big (Linguistic) Data Complexities by Professor Girish Nath Jha from JNU
    - Building Question-Answering System Based on Unstructured Text Using NLP Techniques by Deepak saini from sapient Global, Noida
    - Machine learning approaches for natural language understanding by Shampa Chakrverty, Professor and Head of Computer Science Department, NSIT

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 involving students	No of Participants	Dates
1	Robotics Manual orientation	350	28th July 2017
2	Project exhibition for Manual Orientation	350	28th July 2017
3	IC3 Project Exhibition	120 (40 Teams)	10th August 2017
4	Talk on "Translational Computational Science: From The Lab To Practice"	200+	10th August 2017
5	Talk on "Explorations of a Data Scientist: From Toxic to Therapeutic"	200+	10th August 2017
6	Security Models as a Foundation for Building End-to-End Secure Systems	200+	10th August 2017
7	Programming Internet of Things: Challenges and State of the art	200+	11th August 2017
8	Talk on "Sketching Big Network Data"	200+	11th August 2017
9	Randomized techniques in algorithm design	200+	12th August 2017
10	Talk on "The Latent Power of Absurd Ideas (aka Robust Query Processing)"	200+	12th August 2017
11	Orientation of the KNUTH Programming Hub	200	16th August 2017
12	Hands-on Session	200	19th August 2017
13	WIRELESS COMMUNICATION AND INTRODUCTION TO IOT workshop	100	17- 25th August 2017
14	GOOGLE GREETINGS	300+	24th August 2017
15	Multimedia Technology - Engineer's Point of View	30	11th September 2017
16	WEB DEV 17.1	350+	12th- 14th Sep 2017
17	Manual workshop	500	14th - 23th Sep 2017
18	PROJECT MENTORSHIP	200+	22nd September 2017
19	Algofuzz 17.2	180	25th September 2017
20	Quantum Gates and Quantum Dot Cellular Automata - Nano Approach for Future Gren Computing	80	3rd October 2017
21	Cyber Security	45	19th February 2018

"Cyber Srishti 2018 - A Two Day Technical Festival" was conducted on 21st and 22nd April 2018. 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 2018 was Mr. Sudhir Kumar Mishra. He is Geo Lead – Talent Acquisition at Infosys. Mr. Abhay Kumar Vaish, Sr. Vice President – CTO & Head of GSCs operation, Ericsson Global India was the Keynote speaker during the fest and enriched the audience with an expert lecture. Besides them, many dignitaries from industries were invited to witness the events organised in the tech-fest. These dignitaries include, Mr. Ranjit Sinha, Senior Director Head of RM & Campus Program, Ericsson, Mr. Ish Kumar, AVP and Campus Connect Head (North India), Tech Mahindra, Ms. Shaan Vats, Lead-Talent Acquisition, Human Resource Development, Infosys, and Mr. Rajul Goyal, Sr Project Manager, and Campus Connect Member (North India), Tech Mahindra.

Several technical events were conducted during two days tech-fest. These events majorly include: Project

Exhibition, Hackathon, Coding Challenge (Execute 18.1 and Bug Hunter), Hardware Events (Aerated Run, Amigo Robo, and Circuitrix), Bio-Tech Events (Hydrophilic 3.0, Capture The Flag, Green Saga, and Causatum), Poster Paper Presentation, Start-up Weekend, Reflect - Socio Technical Debate, Clicks and Strokes, Jaypee Premier League, Creative Design, Blind Coding, etc. Around 2200 participations had been observed in different rounds of various events. Besides technical events, audience had also witnessed the performance of stand-up comedian Jaspreet Singh and his team.

Visit of Various Dignitaries

1. **Mr. Vishal Chandra Gupta,** Senior Technical Manager, HCL Technologies, Noida, delivered a talk titled " Multimedia Technology - Engineer's Point of View" on 11-09-2017
2. **Prof. Atal Chaudhuri,** Jadavpur University, delivered a talk titled "Quantum Gates and Quantum Dot Cellular Automata - Nano Approach for Future Green Computing" on 03-10-2017
3. **Prof. Shampa Chakrverty**, NSIT, delivered a talk in workshop on "Soft Computing and Language Processing" on 28 April 2018
4. **Deepak Saini,** Sapient Global, Noida, delivered a talk in workshop on "Soft Computing and Language Processing" on 28 April 2018
5. **David Abramson,** University of Queensland, Australia, delivered a talk on "Translational Computational Science: From The Lab To Practice" on 10 August, 2017
6. **David Abramson,** University of Queensland, Australia, delivered a talk on "Translational Computational Science: From The Lab To Practice" on 10 August, 2017
7. **R.K. Shyamasundar,** IIT Bombay, India, delivered a talk on "Security Models as a Foundation for Building End-to-End Secure Systems" on 10 August, 2017
8. **Louiqa Raschid,** University of Maryland, USA, delivered a talk on "Explorations of a Data Scientist: From Toxic to Therapeutic" on 10 August, 2017
9. **Shigang Chen,** University of Florida,USA, delivered a talk on "Sketching Big Network Data" on 11 August, 2017
10. **Jayant Haritsa,** Indian Institute of Science, Bangalore, India, delivered a talk on "The Latent Power of Absurd Ideas (aka Robust Query Processing)"on 12 August, 2017
11. **Sandeep Sen,** Indian Institute of Technology, Delhi, India, delivered a talk on "Randomized techniques in algorithm design" on 12 August, 2017
12. **Pankesh Patel,** Research Scientist, ABB Corporate Research-India, delivered a talk on "Programming Internet of Things: Challenges and State of the art" on 11 August, 2017
13. **Prof. Gurdeep Hura,** Chair, Department of Mathematics and Computer Science, University of Maryland Eastern Shore, Maryland, USA, delivered a talk on cyber security on 2/19/2018
14. **Mr. Abhay Kumar Vaish,** Sr. Vice President – CTO & Head of GSCs operation, Ericsson Global India, delivered a talk in two day annual tech-fest Cyber Srishti on 21 April 2018
15. **Prof. Girish Nath Jha,** JNU, delivered a talk in workshop on "Soft Computing and Language Processing" on 27 April 2018

Any other achievements

- CSE/IT Faculty published 110 Scopus indexed and 22 Web of Science indexed papers during last year with total citation count of last 4 years (Google scholar) going upto 1452. 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.
- 10 PhDs were completed during last year.
- 3 faculty members completed their PhD during last year.

Honors and awards received during the year

S.NO	NAME OF EVENT	WINNERS	POSITION	COLLEGE
1	EngiNX 2017 – The IoT Challenge	Rishabh Devgan, Megha Mittal, Gaurang Agarwal	First (Rs. 250000/-)	TCS at Hyderabad
2	TechGig Code Gladiator 2017	Sameer Gulati	First (Rs. 250000/-)	TechGig
3	GSoC 2018 (Google Summer of Code)	Jitesh Pabla, Anmol Mishra, Aman Sharma, Animesh Tewari, Hrishikesh Singh, Vaibhav D. Aren, Ujjawal Sharma	Selected as Mentor	

Department of Electronics & Communication Engineering (ECE)

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. Our department runs a 4 year B. Tech. degree program in Electronics & Communication Engineering. Besides running a full time UG program in Electronics and Communication Engineering, the Institute also runs two full time post-graduate programs with specializations in Electronics and Communication Engineering (ECE) and Microelectronics and Embedded Technology (MET) and Ph.D. programme. B.Tech and M.Tech degree courses were started in the year 2002 and Ph.D. programme was started in 2010. The Ph.D. programmes are available with specialization in Electronics and Communication Engineering, and in key areas of current technological importance.

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 72, which includes 1 Professor, 12 Associate Professors and 59 Assistant Professors. Most of the faculty members have completed their Ph.D degrees/masters degree from IIT's, IIIT's and other reputed universities.

Faculty members 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.

The salient features of the degree programs are:

- In depth knowledge of core courses,
- Inculcate analytical approach,
- Mix of hardware and software based experiments,
- Emphasis on project work and project based learning,
- Emphasis on learning through design and simulation,
- Open ended laboratory problems,
- Sufficient number of courses on humanities and personality development

A key feature of the program is its balanced core and flexible elective structure. The curriculum is designed to provide a good foundation and development of an all-round engineering outlook. 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.

In tune with the academic philosophy, the Department's curricula for all programs aim at producing high quality engineers in the area of Electronics & Communication who can take up challenges in design, development, research and manufacturing oriented industries. Strong partnerships with industry provide excellent opportunities for internships & final placements.

➢ 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 -1
- Basic Electronics Lab -2
- Electronic Devices Lab
- Electrical Machines & Instruments Lab
- Communication System Lab
- Advance Communication System lab
- Embedded System Lab
- M Tech Project Lab
- B Tech Project Lab
- PG Lab – 2
- PG Lab -1
- Lithography Lab
- Advance Research Lab
- Signal Processing Lab

The Advanced Research Laboratory has been setup early in the year 2016 for conducting work in the area of Distributed Processing, Big Data Analytics and Deep Learning/Machine Learning. Work is going on for development of Hadoop based framework for image super resolution which exploits computational and storage efficiency of cloud. Students are working on the following Broad areas in this research center are Estimation over Distributed Networks, Sentiment Analysis, Parameter Extraction from Big-Data, Big multimedia and GPU computing.

In addition to above, two Labs for Post Graduate Programs (PG Lab 1 and PG Lab 2) have been set up.PG Lab I is for M.Tech students with Communication Systems specialization. This lab has SDR (Software Defined Radio) kits and Labview Software. Students perform advanced level experiments using these facilities. They carry out research on current technologies like MIMO, Cognitive radio and LTE etc..PG Lab II is for M.Tech (MET) students. This lab is utilized for M.Tech lab courses: VLSI Design and Simulation Lab- I and II. This lab is equipped with hardware kits and software tools related to VLSI and embedded system. The software includes Mentor Graphics (IC Station), and Kiel. The hardware includes Universal Microcontroller kits, ARM Board, Arduino Board, Interfacing modules and sensors related to the embedded System. Students get hands on experience on FPGA and DSP boards..

Important additions made during the year in Labs

1. 4 nos of AC Bridges, Make - Scientech in EMI Lab, Rs 30,850/-
2. 6 nos of Digital Communication Kits, Make - Scientech in CML Lab, Rs 2,64,000/-
3. 11 nos of Dual Channel Arbitrary Function Generator, Make - Scientech Rs 3,02,698/-
4. 12 nos of DMM in BEL 1 Lab, Make Scientech Rs 32,496/-
5. 13 nos of DMM in BEL Lab, Make Scientech Rs 29,835/-
6. 15 nos Rspberry Pi kits in ESL Lab, Make Advancetech India Ltd Rs 80,889/-
7. Optisystem Version 15.2 Software- 5 users in Project Lab Rs 11,03,064/-
8. Vivado System Edition+SDSOC - Software - 25 users, Make - Core EL Technologies in VLSI Design Automation Lab for Rs 3,86,060/-
9. 3 Workstations for 3,09,803/-

➢ Faculty Activities

Workshops and Conferences Attended

S. NO	Name of Conference/ Workshop/ Seminar Attended	Date	Organized By
1	Faculty Development Program On : Recent Trends in Signal Processing “at JIIT Noida	July 10-15 2017	ECE Department, JIIT, Sec 62, Noida
2	Workshop on Embedded Systems at JIIT Noida	July 17-18th 2017	ECE Department, JIIT, Sec 62, Noida
3	Two Day Workshop on Vivado Design Suite Using ZYNQ	23-24th Aug 2017	Indira Gandhi Delhi Technical University for Women, New delhi
4	Workshop on “Machine Learning for Signal Processing” at JIIT Noida	18th -22nd Dec 2017	ECE Department, JIIT, Sec 62, Noida
5	5th International Conference on Signal Processing & Integrated Network, at Amity University, Noida	22-23rd Feb 2018	Amity University, Noida
6	ICSC -2018, JIIT Noida	21st -23rd March, 2018	ECE Department, JIIT, Sec 62, Noida
7	Training on “FPGA Design using Xynq” at JIIT Noida	31st May-1st June 2018	ECE Department, JIIT, Sec 62, Noida
8	3rd International Conference on Recent Trends in Computer Science and Electronics at Bangkok, Thailand.	2nd – 3rd Jan, 2018.	Bangkok, Thailand.
9	Indian Science Congress, Manipur University, Imphal	16 – 20 March 2018	Manipur University, Imphal

S. NO	Name of Conference/ Workshop/ Seminar Attended	Date	Organized By
10	IEEE Uttar Pradesh Section International Conference on Electrical, Computer, and Electronics (IEEE UPCON 2017) , GLA University, Mathura	28 October 2017	GLA University, Mathura
11	IEEE 28th Annual International Symposium on Personal, Indoor, and Mobile Radio Communications (PIMRC), held in Montreal, QC, Canada	8 - 13 October 2017	Montreal, QC, Canada
12	GIAN Course on "Recent Trends in power System Reliability Evaluation: Models, Statistical Method and Applications" in DTU, Delhi.	9th to 13th October 2017.	DTU, Delhi
13	GIAN Course on "Emerging Cutting-Edge Technology in Advanced Electrical Machines and Drives: Design &Failure Prognosis and Mitigation" in DTU, Delhi.	6th to 10th November 2017.	NITTTR, Chandigarh
	DTU, Delhi	2-4 January,2017	Gyancity Research Lab, Malaysia
14	FDP on Emerging trends in Internet of Things (IOT) and Cyber security in Smart Grid (EICS-2018) in DTU, Delhi.	March 12-16,2018.	DTU, Delhi
15	One week short term training programme on Health, Human values, Ethics and Empowerment in DTU, Delhi.	13-18 April 2018	DTU, Delhi
16	One day joint workshop on Patent Filling Procedure, in DTU, Delhi,	28th May 2018	DTU, Delhi
17	Author Workshop on Research Paper Writing" at JIIT Noida	19th -20th Jan 2018	JIIT Noida
18	International Conference on Computing for Sustainable Global Development INDIACom- 2018 , BVICAM, Paschim Vihar , New Delhi.	14th -16, March, 2018	BVICAM, Paschim Vihar , New Delhi
19	FDP on "'Mathematical Aspects of Image Processing and Computer Vision'	5-6 May, 2017	Galgotia University, G. Noida (UP)-India.
	10th July to 15th July 2017.	JIIT Noida	
20	Workshop on Finance for Non-Finance Professionals JIIT, Noida (HSS Department)	5th August 2017	
	JIIT, Noida (HSS Department)		
21	Chaired a session in 2nd National Conference on Recent Trends in Electronics and Electrical Engineering organized by Inderprastha Engineering College, Ghaziabad-India.	June 8-9, 2018	Inderprastha Engineering College, Ghaziabad-India.
22	Attended MATLAB & Simulink for Predictive Analytics, Signal Processing & Controls Applications on organized by Mathworks, India at Hotel The Park, New Delhi.	21st February, 2018	Hotel The Park, New Delhi
23	Attended Keysight Measurement Insight, organized by Keysight Technologies, India at Radisson Blu, Noida.	19th September, 2017	Keysight Technologies

S. NO	Name of Conference/ Workshop/ Seminar Attended	Date	Organized By
24	One week Faculty development program on Modelling and Simulation Tools in Electronics and Communication Engineering	10-15 July 2017	JIIT Noida
25	Two day National Workshop on Computational Intelligence	01-02, Dec , 2017	JIIT Noida128
26	One day workshop on GST Concept and Application	9th December 2017	JIIT Noida 128
27	Attended IEEE International Conference on Multimedia, Signal Processing and Communication Technologies (IMPACT 2017) at Aligarh Muslim University, Aligarh	24th to 26th November 2017	Aligarh Muslim University, Aligarh
28	Two day National Workshop on Communication Systems and Signal Processing	01st - 02nd September 2017	JIIT Noida
29	Two-week ISTE STTP on CMOS, Mixed Signal and Radio frequency VLSI Design	30thJan-4th Feb2017	JIIT Noida
30	National workshop on Wireless Sensor Networks and Applications (NWWSN-2017)	16th to 18th march 2017	JIIT Noida
31	Attended/presented paper in International Conference on Signals, Machines and Automation (SIGMA), NSIT Delhi	23-25 Feb. 2018	NSIT Delhi
32	Attended IEEE sponsored International Workshop UMSSTEA, , held at Jaypee Institute of Information Technology, Noida	8-9 Sep. 2017	JIIT Noida
33	Two day Workshop on Soft Computing and Language Processing at Jaypee Institute of Information Technology, Noida, Uttar Pradesh,.	27-28 April 2018	JIIT Noida
34	Data Mining and Business Intelligence through ICT, CSE, JIIT Noida	4th Sep to 8th Sep 2017	JIIT Noida
35	IEEE National Workshop on Soft Computing Tools for Biometric Devices held at 4th IEEE International Conference, UPCON-2017, GLA Mathura	26th Oct, 2017	GLA Mathura
36	Attend Seminar on " Quality Technical Education-Teaching & Research" organized by NIT Hamirpur	12-13 June 2017	NIT Hamirpur

Conferences and Workshops Organized

1. **International Conference on Signal Processing and Communication (ICSC-2018), at JIIT-62, Noida on Mar 21-23, 2018.**

   ICSC-2018 was organized by Prof. Hariom Gupta (Director, JIIT-128), Prof. R. C. Jain and Prof. Shweta Srivastava.. We received 187 number of papers, out of which 83 papers were accepted and total 64 papers were presented. Several experts from different countries such as USA, Czech Republic, Germany, Russia etc. were a part of the conference. Experts from industry and academics were invited as Keynote Speakers and they had given impetus to the researchers for proposing novel efficient techniques in related areas. All accepted Papers were published in "Book Series Lecture Notes in Electrical Engineering" as The Advances in Signal Processing and Communication-Select Proceedings of ICSC-2018, Springer. The conference has successfully provided an opportunity to highlight recent developments, future areas of growth in these fields such as signal processing, Communication, VLSI Technology and embedded systems.

2. **One week workshop on "Machine Learning for Signal Processing" at JIIT-62, Noida on Dec 18-22, 2017.**

This workshop was focused on the fundamental concepts of machine learning with an application towards the signal processing.During the talk, the application of machine learning for object recognition in images has been discussed. Challenges and available machine learning methods for the same have been discussed. Also, directions have been given towards feature extraction and solution using deep learning framework. Also, the significant improvements in the results using machine learning have been highlighted. Dr.Satish Chandra talked about the Metaheuristics, the strategies that guide search process. It is the combination of two: exploring (to find a search state) and exploiting (to make use of search state). Metaheuristics associated with machine learning is named as Learnheuristics. Dr. Adhish Prasoon, AVP, Data Science /Analytics Info Edge, Noida, discussed some industry oriented applications of machine learning framework. He discussed recommender system (jobs recommendation on Naukri .com) and anamoly detection (to identify fake profiles on jeevansathi .com). Mr. Anurag Tripathi, Principal Data Scientist, Accenture , AI lab, Gurugram, discussed about the CNN (convolution neural network) and RNN (recurrent neural network) which is used to establish a bridge between the image and text. The challenges to develop the relationship between the image and text are also discussed by him. During this talk, he discussed the architectures of CNN (for images) and RNN (for text).

3. **Faculty Development program on "Recent Trends in Signal Processing at JIIT-62", Noida on July 10-15, 2017.**

   Recent decade has witnessed major revolution in communication and processing of digital media. As a consequence solutions to major problems in processing, transmission and reception have made signal processing an integral part of modern electronic systems.This program provided an opportunity to highlight recent trends and developments to identify emerging and future areas of growth in these exciting fields. It further gave impetus to the researchers towards bringing out newer and efficient techniques. With the participation of many experts (Prof. Arun Kumar, CARE, Indian Institute of Technology, Delhi, Topic: Advances in Human and Machine Speech Communication Technologies and Prof. RajendarBahl, CARE, Indian Institute of Technology, Delhi,Topic: High Resolution Underwater Acoustic Imaging Techniques), the program helped in meeting the future challenges.

4. **Faculty Development program on "Modeling and Simulation Tools in Electronics and Communication Engineering" at JIIT-128, Noida on July 10-15, 2017.**

   The main objective of this one week FDP was to impart hands on training and augment the knowledge of faculty members and research scholars related to Electronics and Communication field.Mr.AnkurSangal, Sr. Application Engineer, CoreEL Technologies, New Delhi presented a talk on Xilinx FPGA Current Tends, Explain basics of Xilinx seven series and Zynq FPGA Architectureand Overview of Xilinx Vivado tool targeting seven series FPGA. Prof. Shweta from JIIT highlighted the major benefit HFSS tool. HFSS users can reduce design time and cost while optimizing complete electronic system performanceDr.Nidhi from IGIP gave a detailed overview about need and applications of multimedia security. Challenges and current state of art in the multimedia security are discussed. Dr.Alok Joshi informed that NS2 being an open-source simulation tool runs on Linux and is a discreet event simulator targeted at networking research and provides substantial support for simulation of routing, multicast protocols and IP protocols. Mr.LalitSaraswat, Principal Engineer, Cadence gave a talk on Low Power Methodology, LP Simulation flow Using Cadence, XceliumLP Synthesis flow using Cadence Genus and Logical Equivalence Checking using Conformal LEC. Finally the workshop ended with valedictory session where certificates were distributed.

5. **Workshop on "Embedded Systems" at JIIT-62, Noida on 17-18, July 2017.**

   The purpose of this workshop was to inculcate awareness among the teachers and researchers towards major upcoming and challenging areas in Embedded Systems. The program comprised of theoretical sessions, practical implementations and demonstrations by experts from industry and host institution. The topics for the workshop included practical aspects of programming and debugging a microcontroller in real-time environment. The platforms to be used in the workshop are 8051 based microcontrollers and Arduino.

   It also included basics of FPGA based designing for the beginners. The advanced topics like IP-core, Chip-Scope analyzer, Xilinx System Generator based design and analysis was also discussed. Speakers covered the topics like Introduction to Embedded System: Mr.GunjanGoyal (Application Engineer) Advanced Technology Pvt Ltd., Chandigarh, Embedded System and IoT – A Broad Perspective: By Mr.AshishBhargava (Sr. Consulting

Manager, Senior Architect (R&D), UniConverge Technologies, Delhi, FPGA based Designing: Mr Abhinav Kumar (Trainers), TrueChip, Noida and HDL based Verification Concepts: Mr.GiridharChelluri (Design Engineer), TrueChip, Noida.

6. **Workshop on Communication Systems and Signal Processing at JIIT-128, Noida on Sept 1-2, 2017.**

   The aim of this program was to provide an exposure to the concepts of communications, signal processing and design of intelligent systems. Dr.Pushpendra Singh talked about the basic principles underlying time frequency representation of various signals. He discussed the widely used Empirical Mode Decomposition (EMD) technique along with some of its popular variants. Dr.MukeshSaraswat is an active researcher in the field of machine learning. He is also involved in a research project in one of the application areas in this domain. He started with the motivation for using machine learning. This concept has gained considerable popularity of recent and is finding application in almost all kinds of research problems. It involves the use of high end computers with capability of artificial intelligence and a power to learn the desired outcomes for any input to the system. Participants were given a hands-on experience on the MATLAB software. Various techniques involved in communications, signal and image processing are popularly implemented in MATLAB. Few examples of these are discussed to get a better under-sight of the software. Dr. Dinesh K. Vishwakarma, DTU delivered a lecture on AM Human Action and Activity Recognition. He pointed out to the various challenges that exist in this area and to the possible solution on which one can work up on. Mr.Sushanto Banerjee of Idea Cellular has worked in industry for more than 8 years and is acquainted with a lot of implementation details for mobile networks. He talked about RF deployment and current implementation issues of LTE systems in India. He gave a very interesting talk on various hurdles which a Mobile operator has to face while installing a BTS. He also gave a deep insight about technology deployment issues of LTE.

Invited Talk in Department

1. Prof. Krishnendu Chakrabarty, Fellow IEEE, Fellow ACM delivered a talk on Digital Microfluidic Biochips: From Manipulating Droplets to Quantitative Gene- Expression Analysis on 15 Dec 2017.
2. Mr. Ankur Sangal, Sr. Application Engineer, CoreEL Technologies, New Delhi delivered a talk on Xilinx FPGA Current Trends on 10th July 2017.
3. Dr. Nidhi Goel, Associate Professor, Department of Electronics and Communication Engineering Department at IGDTU, New Delhi delivered a talk on Multimedia Security on 13th July 2017.
4. Mr. Lalit Saraswat, Principal Engineer, Cadence, delivered a talk on Low Power Front End Design on 15th July 2017.
5. Dr.Pushpendra Singh, Assistant Professor (ECE), Bennett University, Greater Noida, delivered a talk on Time Frequency Analysis on 1st September 2017
6. Dr. Dinesh K.Vishwakarma, Assistant Professor, Delhi Technological University delivered a talk on Human Action and Activity Recognition on 2nd September 2017.
7. Mr. Sushanto Banerjee, Astt-Manager, IDEA Cellular delivered a talk on Current Trends in Telecom Industry in India on 2nd September 2017.
8. Prof. Drew Hilton, Director of Graduate Studies, Electrical and Computer Engineering, Duke University delieved talk on Pedagogy and teaching methods for software on 15 Dec 2017.

Department of Biotechnology

Established in the year 2002, the Department of Biotechnology at JIIT, NOIDA is constantly evolving and excelling in itsefforts to provide research and outcome based teaching and learning with active R & D environment. The department faculty are highly qualified and obtained doctoral and postdoctoral experiences from reputed universities and institutes of India and abroad. Rich research exposure of thefaculty in various sectors of biotechnology further strengthens the programs (B.Tech, Dual degree, Masters, Doctoral) offered by the Department.

Indian biotech sector is growing steadily registering more than 15% compound annual growth rate since past few years. In response to continuously evolving technology and industry needs, the curricula have been designed with broad knowledge base, encompassing courses from fundamental sciences (biology, mathematics, and physics), computer science & engineering, electronics and communication engineering, humanities and social sciences, in addition to core and elective courses in biotechnology and bioinformatics.

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 (43 students are pursuing their PhD and 23 have successfully completed their PhD), publications in international/national journals, and sponsored research projects 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. In the last academic year (2016-17), 5 Ph.D scholars have successfully completed Ph.D from the Department. The Department has secured research projects worth nearly 9 Crore of which 4.99 Crore account for recently completed and currently on-going projects from leading Government funding agencies and Industry.

The department organises international and national conferences, workshopsetc on regular basis, 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. The Department has a technical hub by the name “RIBOSE”. The hub organizes various outreach activities to spread awareness about both classical and modern biotechnology. Department faculty are also coordinating other hubs namely Ecoquence, Adwitya, Crescendo, Expressions, Jhankaar, Page turner society that are actively engaged in extra-curricular and co-curricular activities which has a very important role in 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 (2017-18), apart from the students who opted for further studies in India and abroad, nearly 60% B.Tech&M.Tech students of the Department were recruited on-campus, in leading industries with an average package of 7 Lakh per annum.

Institutional Bio-safety Committee (IBSC) and Institute Bioethics committee are involved in generating awareness and monitoring bio-safety and ethical regulations as per guidelines issued by Government of India.

➢ 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 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 installed new basic equipments such as waterbath, weighing balance, incubator shaker, ice machine, cyclomixer, pH meter, spectrophotometer, centrifuge, deep freezer (-80oC), worth Rs 15 Lacs for smoothly running the laboratorybased courses as well as research work.

➢ Faculty Activities:

Presentations in Workshops International/National conferences

1. Ashwani Mathur: Delivered a lecture on “Bioeconomic evaluation of Natural resources” (2017) during Faculty Development Program on ‘Bioentrepreneurship’ organized by Department of Biotechnology, Jaypee Institute of Information technology, Noida during 10-15 July , 2017.
2. Kamal Rawal: delivered invited talk on “Machine Learning applications in cancer genomics and networks” in Emerging trends in computational Biology organised at School of Computational and Integrative Sciences (SC&IS), Jawaharlal Nehru University, Delhi on 6th December 2017.
3. Rachana: delivered invited talk in ICN:3I-2017 at IIT Roorkeeorganised by Department of Mechanical and Industrial engineering and Centre of Nan technology, IIT Roorkee, during 6-8 December 2017
4. Vibha Rani: delivered a talk on “Natural products as MMP inhibitors in cardiovascular diseases” 54th Annual Convention of chemist 2017 during 23-25 December, 2017.
5. S Krishna Sundari: delivered series of Lectures covering the course “Intellectual Property Rights (IPR)”, and “Agriculture Biotechnology”, at Rayalaseema University, Kurnool, Andhra Pradesh, during 2-3 March, 2018.
6. S Krishna Sundari delivered series of Lectures covering the course “Intellectual Property Rights (IPR)” and “Microbial Biotechnology”, delivered at Yogi Vemana University, Kadapa, Andhra Pradesh during 8-9 March 2018.
7. Shweta Dang delivered guest lecture on IPR and related Aspects at SPER, JamiaHamdard, New Delhi, April, 2018.
8. Shweta Dang delivered guest lecture on Drug Regulatory Affairs-The Global Scenario at Sanskar College of Pharmacy, Ghaziabad, April, 2018.
9. Reema Gabrani & Dr. Priyadarshini conducted workshop on „Molecular Biology“, Sanskar College of Pharmacy & Research, Ghaziabad, April, 2018.

Participation in seminars, symposiums, conferences

1. Biotechnology faculty: Faculty Development Program on Bioentrepreneurship” at Jaypee Institute of

Information Technology, Noida, during July 10 – 15, 2017

2. Biotechnology faculty: Seminar on "Nanoscience, Nanofabrication and Organic-Nano Electronics: A Golden Opportunity for the Electronic Device Industries" at Jaypee Institute of Information Technology, Noida,on August 23, 2017.
3. Biotechnology faculty: Workshop on "Cervical Cancer"at Jaypee Institute of Information Technology, Noida on Novemebr 10, 2017.
4. Biotechnology faculty: Seminar on "LIGHTING IDEA 2.0 (Student- Alumni Interaction)" at Jaypee Institute of Information Technology, Noida on November 11, 2017
5. Biotechnology faculty: Seminar on "Gut microbiota in Cardiovascular Diseases" at Jaypee Institute of Information Technology, Noida on November 24, 2017
6. Sudha Srivastava: International Conference on Nanotechnology: Ideas, Innovations and Initiatives – 2017 (ICN:3I-2017)" IIT Roorkee during December 6-8, 2017.
7. Biotechnology faculty: Workshop onEmerging Trends in Target Identification and Drug Design at Jaypee Institute of Information Technology, Noida on January 31, 2018
8. Biotechnology faculty:, International Conference on Advances in Biosciences and Biotechnology - ICABB-2018 at Jaypee Institute of Information Technology, Noida during February 01-03, 2018

Guest Lectures/Workshops /Conferences Organized

Conference Organized:

1. **International Conference on Advances in Biosciences and Biotechnology - ICABB-2018 during February 01-03, 2018.**

   The Department of Biotechnology, Jaypee Institute of Information Technology, Noida organized a three day International Conference on Advances in Biosciences and Biotechnology (ICABB-2018), from February 1st-3rd 2018. The conference aims to provide a platform to academicians, researchers, scholars and technocrats from academic and industrial background to share their knowledge and experience, therefore, acting as a bridge between the scholars and industrialists. Fostering new collaborations and opportunities for young researchers are other expected outcomes of the conference as some of the keynote speakers from Europe especially Prof. Savvas Savvides and Dr. Julie Bouckaert have expressed their desire for the same.

   The Conference focused on five principal themes defining the advancements in the fields of biotechnology: Disease & Omics technology; Pharmaceutical & Medical biotechnology, Industrial Biotechnology, Agriculture & Environmental Biotechnology; Molecular Biology, Nanobiotechnology & Bioinformatics.

   Invited lectures were appreciated by one and all and There was an enthusiastic participation from all over India and we had around 50 oral presentations and 200 posters on display. All accepted abstracts will be published under the umbrella of Journal of proteins and proteomics (ISSN No: 0975-8151; Projected Impact factor 1.2). Besides, abstracts with quality content will be shortlisted for full length papers which will be published as a special issue in 3Biotech (Springer, Impact factor 1.361) by the name of "Biotechnology for Medical Interventions". Journal of Proteins & Proteomics and International Journal of Engineering, Technology, Science and Research are also our publication partners for the papers.

Faculty Development Program Organized

- **Faculty Development Program on Bioentrepreneurship" during July 10 – 15, 2017**

  It was aimed at strengthening faculty outlook on various aspects of Bio-Entrepreneurship – establishment, financial aspects, opportunities and quality assurance and expected to benefit faculty by the series of lectures, workshop and interactive sessions on varied facets of entrepreneurship involved in the Biotechnology sector. There were eleven sessions in all, focused on various aspects of entrepreneurship such as the Indian bio-industry, techno-commercial issues involved, financial aspects, entrepreneurship opportunities, environmental issues, bio-economic evaluation of natural resources, technical aspects of SSI unit aspects of Quality control and ISO certification, a work shop on ISO Systems and an interactive session with successful entrepreneurs & their success stories.

Others

1. **Seminar on "Nanoscience, Nanofabrication and Organic-Nano Electronics: A Golden Opportunity for the Electronic Device Industries" on August 23, 2017.**

   The area of nanoscience and nanotechnology has grown tremendously over the past two decades and is expected to expand rapidly in the near future. Design and synthesis of new organic compounds, their fabricated unidirectional nanomaterials and development of new electronic property are desirable for achieving organic electronic-based high-tech devices of ultimate sensitivity. The organic nanoelectronics offer benefit of low cost manufacturing, avoid of magnetic interference and outstanding inherent electronic phenomena compared to the conventional inorganic electronics.

2. **Workshop on "Cervical Cancer" at Jaypee Institute of Information Technology, Noida on November 10, 2017.**

   The workshop was conducted by NGO- CAPED (Cancer Awareness, Prevention and Early Detection) for the benefit of female students and faculty. Ms. Mridu Gupta, Chief Operating Officer (COO) of CAPED along with her associate Ms. Madhu Yadav interacted with the audience and answered their queries. Dr. Md. Kausar Neyaz, founder of the Bio-Services | Prevention and Disease Control, Public Engagement Activities, Health Education and Research web portal, delivered the talk and emphasized the gravity of the problem by informing that "In India one woman dies of cervical cancer every 8 minutes". But he enlightened the audience that "Proper information, regular pap smear and vaccination can help prevent cervical cancer". The risk of developing cervical cancer can be reduced by having regular screening tests and getting vaccinated against HPV infection. The ideal target population who should be vaccinated is 11-13 year old girls. These young girls have the ideal immune response to the vaccine giving them maximum protection. Take home message is Cervical cancer is curable, if diagnosed within 10 years of infection.

3. **Seminar on "LIGHTING IDEA 2.0 (Student- Alumni Interaction)" at Jaypee Institute of Information Technology, Noida on November 11, 2017.**

   There is a growing Industrial demand of the graduates and post graduates in Biotechnology in the core area of Market Analysis and Research. Analyzing a similar trend in recruitment of the students of the Department, student-alumni interaction 'Lighting Idea 2.0' was organized to append the current graduate and post students about current opportunities and future scope in this thrust area. Alumni from Different market research companies were invited for the event, which motivated and appended the students about the opportunity of growth and job opportunity in Market Analysis and Research. The event 'Lighting Idea 2.0' was organized by Department of Biotechnology, JIIT Noida on 11th November 2017 as a continuous endeavour to foster Student-Alumni Interaction. The event was attended by 70+ students of the Department along with faculty member. Different speakers highlight various strategic approaches they use to excel in the core area of 'Market Analysis and Research'. They also updated the student about the job opportunities and future scope in the less explored thrust area of the Department.

4. **Seminar on "Gut microbiota in Cardiovascular Diseases"at Jaypee Institute of Information Technology, Noida on November 24, 2017.**

   Objective of the talk was to have interactive session with PhD scholars regarding the current advances in cardiovascular sciences and Lab visit. Prof. Suresh C. Tyagi, M.Phil., Ph.D., FAHA, FAPS, Professor and Vice Chair for Research, Department of Physiology, Stoghill Endowed Chair in Biomedical Sciences, University of Louisville School of Medicine, Louisville, Kentucky, USA was the key speaker for this event. His research aims to understand the mechanism of cardiovacular-renal remodeling in hypertension, diabetes, and heart failure.

5. **Workshop on "Emerging Trends in Target Identification and Drug Design"at Jaypee Institute of Information Technology, Noida on January 31, 2018.**

   The workshop aimed to provide a platform for sharing knowledge and up to date research findings in omics disciplines, to identify the knowledge gaps for bench to bedside research translation and to promote collaborative interdisciplinary research amongst academicians, researchers and industrial experts from different parts of the world. This workshop gave an opportunity to participants to hone their practical skills

and interact with International Faculties/ Experts. Participants had an insight to the recent developments and brain storming sessions.

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	Date
1	Dr. Subhash Chand, Formerly, Professor & Head, Biochemical Engineering & Biotechnology, I.I.T. Delhi:	Why Entrepreneurship: Bio Entrepreneurship-Indian bioindustry and Government Initiatives	10-7-2017
2	Dr.Subhash Chand	Techno-commercial issues related to Bio-entrepreneurship & writing a business plan	10-7-2017
3	Dr.Sanjeev Mittal, Professor and Dean, Guru GobindSinghIndraprastha University, Delhi	Financial aspects of Enterpreneurship Business Environment Scanning Achievement Motivation Training (AMT)	11-7-2017
4	Dr.Sanjeev Mittal, Professor and Dean, Guru Gobind Singh Indraprastha University, Delhi	Financial aspects of Enterpreneurshipcontd (eg Project cost, Source of finance, Cost of production & Profitability Financial Aspects of SSI Unit- financial projections, BEP, working capital assessment)	11-7-2017
5	Dr H.N Singh Formerly Professor Dr A.P.J Abdul Kalam Technical University &Mr. HardikRavat from iSaptarshi Technologies	Entrepreneurship Opportunities, Govt. Entrepreneurship Support and Enterprise Formation – eg Waste Management a case study	12-7-2017
6	Dr H.N Singh, Dr A.P.J Abdul Kalam Technical University &, Mr.HardikRavat from iSaptarshiTechnologies	Environmental & financial aspects, policy/ legislation, risk Assessment Legal aspects in Waste Management.	12-7-2017
7	Dr. AshwaniMathur (JIIT)	Bioeconomic evaluation of Natural resources	13-7-2017
8	Dr. Neeraj Wadhwa (JIIT)	Technical aspects of SSI unit	14-7-2017
9	Dr. IndiraP.Sarethy (JIIT)	Aspects of Quality control and ISO certification	14-7-2017
10	Dr.Indira P. Sarethy and Dr. Neeraj Wadhwa, JIIT	Work shop on ISO Systems	14-7-2017
11	Prof .Dilip K. Maiti, FRSC Department of Chemistry, University of Calcutta	Nanoscience, Nanofabrication and Organic-Nano Electronics: A Golden Opportunity for the Electronic Device Industries	23-08-2017
12	Dr. Md. Kausar Neyaz, Founder of the Bio-Services	Prevention and Disease Control, Public Engagement Activities, Health Education and Research web portal	10-11-2017
13	Ms Mridu Gupta	COO of CPAED	10-11-2017

S.No.	Expert	Topic	Date
14	Prof. Suresh C. Tyagi, Professor and Vice Chair For Research, Department of Physiology, Stoghill Endowed Chair in Biomedical Sciences, University of Louisville School of Medicine, Louisville, Kentucky, USA.	Gut microbiota in Cardiovascular Diseases	24-11-2017
15	Adeline Sivignon. University of Auvergne, France	Use of probiotic yeast in Crohn's disease against AIEC	31-01-2018
16	Dr. SamudralaGourinath, School of Life Sciences, JNU, New Delhi	Inhibitor screening against the -clamp of H. pylori.	31-01-2018
17	SébastienGouin, University of Nantes, France	Synthetic glycoconjugates as E. coli and A. fumigatus anti adhesives	31-01-2018
18	Dr. Manidipa Banerjee, IIT, New Delhi	Cryoelectron microscopy: Recent advances and applications	31-01-2018
19	CyrilleGrandjean, Université des Sciences et Techniques de Nantes, France	Design and Screening of Sugar-Derived Small Molecule Inhibitors of Galectins	31-01-2018
20	Dr. Neel S. Bhavesh, ICGEB, New Delhi	NMR and Calorimetary techniques for Protein interactions	31-01-2018
21	Dr. EthayathullaAbdulsamath, AIIMS, New Delhi	Challenges in Protein Crystallization & Data processing	31-01-2018
22	Dr. Likhesh Sharma, Application Scientist, GE Healthcare	Surface Plasmon Resonance: Introduction and Application to Drug Discovery	31-01-2018
23	Prof. SavvasSavvides, Belgium	Structure, mechanism, and antagonism of protein assemblies pivotal to inflammation, autoimmunity, and allergy	01-02-2018
24	Dr. Marc F Lensink, University of Lille, France	CAPRI: The Diverse Challenges of Computational Protein-Protein Docking.	01-02-2018
25	Dr. Julie Bouckaert, France	Sites for Dynamic Protein-Carbohydrate Interactions of o-, n-, s- and c-linked Mannosides on the E. coli FimHAdhesin	01-02-2018
26	Prof. V.K. Choudhary, UDSC, New Delhi	Human Antibodies: Generation & Applications	01-02-2018
27	Prof. R.V. Hosur, TIFR, Mumbai	NMR of Complex Biological Systems and Mixtures	01-02-2018
28	Prof. Nicolas Barnich, University of Auvergne, France	Adherent-invasive Escherichia coli in inflammatory bowel disease	02-02-2018
29	Dr. AnupMadan, USA	Understanding Disease Heterogeneity in Era of Personalized Medicine	02-02-2018
30	Dr.Shikha Sharma, Abbott, Mumbai	Diagnostics for the Developing World: A look at the challenges and opportunities	02-02-2018
31	Dr. Rita Sharma, School of Computational and Integrative Sciences, JNU, New Delhi	Optimizing Plant Feedstock for Biofuel Production	02-02-2018
32	Prof. T. P. Singh, AIIMS, New Delhi	Current trends in New Drug Discovery	03-02-2018
33	Prof. Pawan K. Dhar, School of Biotechnology, JNU, New Delhi	Synthetic Biology: Emergence of a novel drug discovery platform	03-02-2018

Other Achievement/Miscellaneous Activities

Sponsored Research Projects

Completed

1. Structural Biology of Cyse from pathogenic organisms - Potential for rational drug design. PI: Dr. Vibha Gupta. DBT. 44.11 Lacs. Completed in September 2017
2. Development for reagents for simple immunochemical tests for the detection of Chikungunya infection.PI for JIIT: Sanjay Gupta.DBT (part of multi-institutional project), Duration: 2014-17, Grant:1.41 Crores (Grant sanctioned for JIIT: Rs. 18.2 Lacs), Completed in September 2017

Ongoing

Faculty as PI

1. Building integrated pipeline for cancer genome analysis: Role of mobile genetic elements in cancers, DBT, Duration: 2017-2020, Grant value: 29.38 lakhs, PI: Dr. Kamal Rawal; Co-PI: Dr. Sanjay Gupta
2. Potentially novel carbohydrases (cellulase and related enzymes) for waste management from cultivable bacteria and functional metagenomic library of North East India biodiversity hotspot. DBT- under Twinning Program for North-East, 2015-16,CSIR-North East Institute of Science And Technology, Duration 2017-2020, Grant value:22.21 lakhs, PI: Dr. Indira P. Sarethy
3. Development of inhibitors to target glyoxylate and methylcitrate cycles essential for persistence of Mycobacterium tuberculosis, ICMR, Duration 2015-2018, Grant Value: 34 lakhs, PI: DrVibha Gupta, Co PI: DrChitranjan Rout
4. Identification of cellular targets of Chikungunya virus non structural proteins, ICMR, Duration: 2016-2019, Grant Value:34.10 lakhs, PI: Dr Sanjay Gupta, Co PI: DrReemaGabrani
5. Evaluation of the heavy metals content in market samples of plant raw drugs used in Ayurveda"AYUSH, Duration: 2018-2021, Grant Value 41.1 lakhs, PI: DrPammiGauba
6. Application of customized PGPM based formulations for reclamation of soil permeated with Organophosphate pesticide residues, DBT, Duration 2017-2020, Grant Value: 62.10 lakhs, PI: Prof. Krishna S. Sundari, Co PI: DrSudha Srivastava
7. Investigating microRNAs as the Next Generation Therapeutic Targets in Diabetic Cardiomyopathy. DST, Duration: 2018-2020, Grant Value: Rs. 40 Lakhs, PI: Vibha Rani
8. mRNA Vaccine Project. Bayler College of Medicine, Houston, USA. Duration 2018-2020 1.9 Million US Dollar (JIIT component- 64 Lacs)Co-PI: Dr. Kamal Rawal/ BCM, Houston, USA

Faculty as mentor (Sponsored Fellowship/Special Scheme Projects)

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: Grant value: 26 lakhs, PI: MsAtinderpalkaur, Mentor : DrShweta Dang
2. "Rational Structure-based development of potent inhibitors targeting mycobacetrial cysteine biosyntheticpathway: in silico and experimental drug design against M. tuberculosis CysE", DST, Duration: 2015-2018, Grant value: 15.95 lakhs, PI: Sunita Gupta, Mentor : DrVibha Gupta
3. Bioprospection of microorganisms from selected niche habitats (soil/ rock) for antimicrobial products, ICMR, Duration: 2014-2019, Grant value: 1.72 lakhs, PI: Nidhi Srivastava, Mentor: Dr Indira P Sarethy
4. Analysis of Chikungunya virus nsP3 protein micro/macro interactors, DST - (Women Scientist Scheme- A), Duration: 2018-2021, Grant value: 20 lakhs, PI: Ipsita Nandi, Mentor: Dr Sanjay Gupta
5. Identification of peptide/protein binders of Chikungunya Virus, DST - Inspire Fellowship, Duration:2015-2019, Grant value: 4.1 lakhs, PI: Ms. Garima Agarwal, Mentor: Dr Sanjay Gupta

6. Structure, Function and Inhibition of IsocitrateLyases of Mycobacterium tuberculosis. DST - Inspire Fellowship, Duration:2016-2021, Grant value: ~3,80,000/year, PI: Ms Monika, Mentor: DrVibha Gupta
7. Differential expression pattern of miRNAs in rice root during Cr(VI) stress. DST, Duration: 2015-2018, Grant value: Rs. 33 Lakh, Scientist: SonaliDubey, Mentor Dr Vibha Rani
8. Fabrication of Nanotechnology based Point-of-Care device for thyroid disease diagnosis. DST - Inspire Fellowship 2016-2021, 3.8 /year, PI: Rahul, Mentor: DrSudha Srivastava
9. Nanoparticle based vaccine development against Hepatitis E Virus. DST-Inspire Fellowship 2015-2020, 4.1 / year. PI: Debiya Rani, Mentor: Dr Sudha Srivastava

Honors and Award Received During the Year

1. Received a grant of Rs 40,000 from ICMR, Govt of India for organising the conference ICABB 2018 at JIIT, Noida.
2. Vibha Rani, 6th Academic Brilliance Young Faculty Award-2018 by Education Expo, Feb 2018.

Department of Mathematics

Mathematics is at the background of almost advancements in various domains of engineering and technology. With this view point, 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, dedicated teaching that empowers undergraduate and graduate students to formulate and solve mathematical problems and communicate the solutions and their significance, training a diverse group of problem solvers who will be in a position to choose amongst the many opportunities available to professionals with well-developed quantitative skills, and promoting the success of a diverse group of faculty at all levels of research and teaching. The Department of Mathematics was created from the very inception of the JIIT and currently it is a community of nineteen academicians committed to excellence in research and instruction. It consists of 4 professors, 3 associate professors and 12 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 on Recent Advances in Mathematical Sciences and its Applications 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..

The Department has 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 various research thrust areas of Mathematics which are a good blend of pure and applied mathematics of contemporary importance.

➢ Faculty activities include

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

1. Prof. Alka Tripathi delivered an expert lecture on the topic "Hypothesis Testing" as part of Sir Isaac Newton Series of Special Lectures on Engineering at Delhi Technical Campus affiliated to Guru Gobind Singh Indraprastha University, Greater Noida on September 06, 2017.
2. Dr. Himanshu Agarwal served as Summer Research Fellow at Centre of Excellence in Cyber Security, Institute for Development & Research in Banking Technology, Established by Reserve Bank of India, Hyderabad, India. (5 June 2018 to 5 July 2018).
3. Dr. Himanshu Agarwal attended Second International Conference on Computer Vision & Image Processing and Workshop on Multimedia (CVIP-WM 2017) Noida, INDIA, September 9-12, 2017.
4. Dr. Pato Kumari was invited as a visiting scientist for delivering lecture and academic interaction including possible collaborative research work under visiting fellow program of CAS during October 20-29, 2017 by the Department of Mathematics, Centre for Advanced Study in Mathematics (CAS), Panjab University, Chandigarh, India.
5. Prof. Amrish Kumar Aggarwal participated in Global Initiative of Academic Networks (GIAN) course on Stability of Vortices and Non-Isothermal Parallel Flow conducted during December 4-9, 2017 at Department of Mathematics, IIT Roorkee.
6. Dr. Lakhveer Kaur delivered an Expert lecture on "New Solutions of (3 + 1)-dimensional generalized KP–Boussinesq equation by Bell Polynomials" in the conference on "Analysis and its Applications", Dyal Singh College (University of Delhi), New Delhi, December 9-11, 2017.
7. Dr. Anuj Bhardwaj delivered an expert lecture in workshop on "MATLAB: Modeling Tools for Engineering Sciences" organized by the Department of Applied Sciences & Humanities, Raj Kumar Goel Institute of Technology, Ghaziabad on January 11, 2018.
8. Prof. Alka Tripathi delivered an expert lecture on the topic 'Testing of Hypothesis and test of significance' at YMCA University of Science and Technology, Faridabad on March 16, 2018.
9. Prof. Bhagwati Prasad Chamola presented a paper entitled "Attractors of iterated function systems in a general setting" in 2nd International Conference of Recent Trends of Computing in Mathematics, Statistics and Information Technologies (RTCMSIT-2018) organized by the Department of Mathematical Sciences & Computer Applications, Bundelkhand University, Jhansi during March 9-11,2018.
10. Dr. Pankaj Kumar Srivastava participated in International Workshop on Evolutionary Algorithms and Applications during 09-10 March, 2018, organized by the Department of Computer Science South Asian University, Delhi, India.
11. Dr. Dinesh C. Singh Bisht participated in International Workshop on Evolutionary Algorithms and Applications during 09-10 March, 2018, organized by the Department of Computer Science South Asian University, Delhi, India.
12. Dr. Lakhveer Kaur Participated in three days National Seminar on "Graphs, Networks, Applications of Mathematics in Computation, Engineering, Bioinformatics and Social Sciences'' (March 12, 2018 to March 14, 2018) Sponsored by Commission of Scientific and Technical Terminology, MHRD New Delhi, Hosted by School of Computational and Integrative Sciences, JNU..

Conferences /Workshops / Faculty Development Programs Organized

1. A Faculty Development Program on Mathematical Aspects of Image Processing and Computer Vision during July 10-25, 2017. In this FDP, nine experts delivered the lectures and lab sessions on various topics of Image Processing and Computer Vision ranging understanding of pixels in an image to various applications. Applications of Image processing and Computer Vision are not limited to Biometrics, Visual Surveillance, Sports, Medical Science, Remote Sensing, Geo Sciences, Automatic Inspection, Scientific Visualization and more. Scientific Visualization is very useful for researchers for better visualization and analysis of results and it is widely used in e-commerce, medical and many more. Computer Graphics is very interactive tool in class-room teaching.
2. Department of Mathematics, Jaypee Institute of Information Technology, successfully organized IEEE sponsored workshop on "Useful Mathematical and Statistical Software Tools for Engineering Applications" during 08-09 September, 2017 at Sector-128 campus. The objective of the workshop is to demonstrate the usage of various mathematical and statistical software's MATLAB, LATEX and SPSS in engineering and industrial applications. The workshop was mainly focussed on the brief introduction to the basic structure of various mathematical/ statistical tools and then applying these tools to various engineering and industrial applications. Two days of the workshop were intellectually marked by eminent speakers from IIT, Kanpur and Manipal University, Jaipur.
3. The Department of Mathematics has successfully organized 2nd International Conference on Recent Advances in Mathematical Sciences and its Applications (RAMSA-2017) during December 12-14, 2017 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 New Zealand, Canada, USA and India delivered lectures during the conference on the topics of their areas of expertise.

Invited Expert Lectures by Guest Speakers

1. Expert talk on the topic "Introduction to Document Image Processing " delivered by Dr. Partha Pratim Roy , Dept. of Computer Science and Engineering, Indian Institute of Technology Roorkee on January 06, 2018.

Department of Physics and Materials Science & Engineering

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

With a strong team of 23 Faculty members with high academic and research credentials, the research endeavors of department encompass 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 four ongoing research projects worth Rs 112.28 Lac in the department funded by DST and DRDO. In last few years, seven research projects worth Rs. 110.28 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 equipment and several setups for materials synthesis, processing and an advanced materials characterization laboratory with sophisticated contemporary machines. The department has published more than 340 research papers in high impact international journals and has produced 25 Ph.D. scholars. The 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 dedicated 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 sheer tenacity, faculty and students of department could receive several awards and recognitions. The faculty members are regularly invited to deliver 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
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 2017-18, faculty members of the department participated in the following academic activities:

Participation by Department faculty in seminars, symposiums, conferences at national and international separately.

- Attended FDP on "Recent Trends in Engineering Physics" at PMSE, JIIT-62, Noida on 12- 18 july 2017
- Attended National Conference on Advanced Materials and Nanotechnology (AMN-2018) at PMSE, JIIT 62, Noida, on 15 -17 March 2018.
- Attended National workshop on "Soft computing and language process" CSE, JIIT 128, Noida, on 27-28 April 2018.
- Delivered an invited talk on "Matrix solution of coupled kinetic Alfven waves in a tokamak plasma" at Conference on Conference on Plasma Simulations, IISc Bangalore, India, 19/01/18.
- Delivered an invited talk on "Alfven wave studies in a tokamak plasma" at CSIR sponsored National workshop on Recent Trends in computational physics, JIIT Sec 128, Noida, India, 6/04/ 2018
- Delivered an invited talk on "Nonclassicality in parity-time-symmetric optomechanical system" and chaired a session in Non-Herminitian Physics-PHHQP XVIII at ICTS Bangalore, India, 6/6/2018.
- Delivered an invited talk on "Effect of noise on the dynamics of quantum systems and quantum communication schemes" in International Conference on Quantum and Nonlinear Optics (QNO 2018) at University of Malaya, Kuala Lumpur, Malaysia, 2-5/02/2018.
- Delivered an invited talk on "Quantum communication: The requirement, essential resources, new protocols and the effect of noise on them" at International symposium on new frontiers in quantum correlations, S. N. Bose Center, India, 30/01/2018.
- Delivered an invited popular lecture (in Bengali) on "Nothing can be more entertaining than doing science" at Malda Town High School, Malda, India, 20/06/18.
- Delivered an invited popular lecture (in Bengali) on "You can also become a scientist" at Ramkinkar BalikaVidyashram, Malda, India 19/6/18.
- Delivered an invited talk on "Nothing can be more entertaining than doing Science: A journey into the magical world of quantum mechanics", at Miranda House, Delhi, India, 21/3/2018.
- Delivered an invited talk on "Quantum Cryptography: A journey into the world of unconditionally secure communication", at IIIT Delhi, India, 7/3/2018.
- Delivered an invited talk on "How to build a small Optical Quantum Computer?" in a Seminar on Quantum Mechanics and Applications at Amity University, Gurgaon, Haryana, India, 23/01/2018.
- Delivered an invited talk on "Let's do Quantum Computing over Cloud" at Seminar on Quantum Mechanics and Applications, Amity University Gurgaon, Haryana, India, 23/01/2018.
- Delivered an invited talk on "Let's do Quantum Computing over Cloud" at Workshop on Quantum Physics: An Insight at Kalindi College, Delhi, India, 26/10/2017.
- Delivered an invited talk on "How to build a small Optical Quantum Computer?" at Workshop on Quantum Physics: An Insight at Kalindi College, Delhi, India, 26/10/2017.
- Delivered an invited talk on "Optical communication: A long journey classical to Quantum world" at PPSIR, Bangalore, India, 14/08/2017.
- Delivered an Invited talk on "Optical sensing of environmentally hazardous heavy metals (Cr3+, Pb2+, Zn2+) and cancerous cells by functionalized core/shell quantum dot" in International Symposium on Molecular Spectroscopy (ISMS2018); University of Illinois, USA, 20/06/18.
- Attended and presented a Poster on "Porphyrin modified BaSnO3 microrods for photovoltaic applications" in National Symposium on Nanoscience and Technology at Center for Nanoscience and Engineering (CeNSE), IISc Bangalore, India, 25-28/06/2018.
- Attended and presented a Poster on "Room temperature ferromagnetism in Mn doped zinc stannate nano rods" in International Conference on Thin Films (ICTF- 2017) at NPL, Delhi, India,14-17/11/2017.

- Delivered a invited talk on “Electronic Components” at NITI Aayog sponsored Atal Tinkering Laboratory, SOS Hermann Gmeiner School, Bhimtal, India, 17/02/2018.
- Delivered an invited talk on “Matrix solution of coupled kinetic Alfven waves in a tokamak plasma” at Conference on Plasma Simulations, IISc Bangalore, India, 18-19/01/18.
- Delivered a talk on “Superconducting Levitation” at Cryogenic Engineering Centre, IIT Kharagpur, India, 30/01 / 2018.

Departmental initiatives : guest speakers, seminars, talks, workshops and conferences conducted:

- **National Conference on Advanced Materials and Nanotechnology 2018 (AMN 2018), 15-17 March 2018**

  A national conference on Advanced Materials and Nanotechnology 2018 (AMN-18) was organized by Department of Physics and Materials Science and Engineering, Jaypee Institute of Information Technology, Noida from 15-17 march 2018. It provided an interdisciplinary platform for researchers and scientists to discuss their most recent findings, innovations and experimental/practical challenges in the fields of developing new materials and their applications. AMN-18 featured 11 technical sessions including 2 parallel sessions and one poster presentation session. Substantial number of participants, not only from India but also from abroad, participated in this 3 days conference on Advanced Materials and Nanotechnology 2018. The conference comprised 2 plenary talks, 9 key notes talks, 13 invited talks, 15 oral presentations and 87 poster presentations. A total number of 60 papers of the participants were shortlisted and published in AIP conference proceedings Volume 2009.

- **Two day Workshop on “Recent Trends in Computational Physics”, on 6-7th April, 2018**

  JIIT Noida organized a two day CSIR sponsored National Workshop on “Recent Trends in Computational Physics”, on 6-7 th April, 2018 at JIT 128 campus. The aim of this workshop was to bring together researchers and students from all disciplines of Academia and the Industry for thorough exposition on the basic ideas of computational Modeling and Simulation. Prof. R. K. Sinha (Director CISO Chandigarh), Prof. R. P. Sharma (IIT Delhi) and Prof. Sanjay Puri (JNU) and Prof. Anirban Pathak (JIIT) were the prominent speakers at the workshop. The participants (total no. 62) were from different disciplines like Computer Science, Electronics , Maths and Physics from institutes in Northern India and JIIT. Although the workshop was on computational physics many experimentalists and theoretical physicist also attended the workshop. The participants found the four sessions on Quantum Computing, Plasma, photonics and Monte Carlo simulation to be very informative. All the speakers explained the difficult areas using simple physics concepts. The lab sessions on Quantum Computing and Monte Carlo simulation were very much appreciated by the participants.

- **Faculty Development Program (FDP) on RECENT TRENDS IN ENGINEERING PHYSICS, 12-18 July, 2017**

  A faculty development program on RECENT TRENDS IN ENGINEERING PHYSICS was organized by department of Physics and Materials Science and Engineering, JIIT Noida during July 12-18, 2017. The objective of this FDP is to provide a platform for interaction among faculty, scientists and researchers to share their ideas, thoughts and scientific finding in various areas of engineering Physics including condensed matter and materials physics, laser and plasma physics, quantum physics etc. This FDP was a fourth in a series of annual academic faculty development program in PMSE department. 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 (31) as well as external (08) participants.

  There were 12 sessions conducted in 6 days during the FDP. Seventeen speakers delivered expert lectures on various advanced topics such as Photovoltaic Techniques, Energy Harnessing, Functional Nanomaterials, Materials Engineering, Spintronics, Quantum Computing, and Nuclear Radiations for Imaging and therapy etc. Among these, four external speakers were from renowned institutes and industry including one from Canada. The inaugural talk was delivered by Prof. Vinay Gupta, Department of Physics and Astrophysics, Delhi University, New Delhi. He talked about functional materials and their applications such as MEMS and thin films based sensors for space applications. Second talk was delivered by Dr. Gerhard W. Dueck, University of New Brunswick, Canada on Graph Based Template Matching for Reversible Logic Synthesis followed by a talk by Mr. Mohit Gautam, from Toshniwal Instruments on Introduction of Sophisticated Instruments in the Field of Material Science (RAMAN, AFM, nano-IR etc.). Dr V. P. S. Awana, principle scientist NPL New Delhi talk about Superconductivity: From low Tc to high Tc & amp; Mystery continues.

c. 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 2017-18 following experts were invited for delivering talks:

S. No.	Expert	Topic	Date
1	Prof. K.L.Yadav, IIT Roorkee	Novel Functional Materials: For Green Energy	23/05/2018
2	Prof. Ganesh D. Sharma, Dean (Research and Development), The LNMIIT (Deemed University), Jamdoli, Jaipur, India	Recent advances in the organic solar cells based on fullerene and non-fullerene acceptors with low voltage loss and high power conversion efficiency	13/04/2018
3	Dr. Robert Bedington, Center for Quantum Technology), National University of Singapore	SpooQySats - Enabling space-based quantum key distribution with CubeSats	05/01/2018
4	Dr Amit Kumar Pal, Department of Physics, Swansea University, UK,	Entanglement under noisy environments in quantum many-body systems	05/01/2018
5	Dr. Manik Banik (PhD ISI, Kolkata) who is associated with the Institute of Mathematical Sciences (Chennai),	Quantum Nonlocality and Device Independent Technologies	12/12/2017
6	Prof. Zeev Zalevsky	Remote Photonic Bio-Sensing and Super Resolved Imaging	22/11/2017
7	Prof.Virendra N. Mahajan	Optical imaging and Aberrations	18/11/2017

Any other achievements or points which need to be highlighted

A new research project worth Rs 27,71,000/= was sanctioned by DRDO, New Delhi.

Honors and awards during the year

- Prof. A. Pathak received Shri Om Prakash Bhasin Award 2017 in Electronics and Information Technology. Ph.D. Scholars received following awards:
- Best poster award in National Conference on Advanced Materials and Nanotechnology, Jaypee Institute of Information Technology, Noida, 15-17 March (2018).
- Best poster award in National Conference on Advanced materials and Nanotechnology, JIIT Noida, 15-17 March (2018).
- Best poster award in 4th International Conference On Nanoscience and Nanotechnology
- (ICONN-2017), SRM Chennai, India, 9-11 August (2017).

Department of Humanities & Social Sciences

The Department of Humanities and Social Sciences plays a unique role in an institute where the ethos of science 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.	Mukta Mani	Tenth International Conference on contemporary Computing (IC3)	10-12 August, 2017	JIIT Noida
1.	Mukta Mani	Tenth International Conference on contemporary Computing (IC3)	10-12 August, 2017	JIIT Noida
2	Shirin Alavi, Praveen Kumar Sharma Santosh Dev	International Conference on Information Technology and Quantitative Management.	8-10 December, 2017	Jaypee Business School, Noida
3	Santosh Dev	IEEE 5th International Symposium on Emerging Trends and Technologies in Libraries and Information Services, ETTLIS 2018	21-23 Feb., 2018	Bennett University, Greater Noida

NATIONAL

S. No.	Names	Event	Date	Venue
1	All Faculty Members	Faculty Development Programme titled "Qualitative Methods of Social Science Research"	10-15 July, 2017	Jaypee Institute Of Information Technology, Sec-62, Noida
2	Ekta Srivastava	Short Term Course on "Significance of Literary Theories in Humanities & Social Sciences"	July 3- 7, 2017	IIT, Roorkee
3	Puneet Pannu Swati Sharma Santosh Dev	One-day Workshop on "Finance for Non-Finance Professionals"	05 August, 2017	JIIT, Noida
4	Kanupriya Misra Bakhru, Ekta Srivastava, Sakshi Varshney	Ivey Workshop on Case Teaching & Writing	5-8 September, 2017	National Management Faculty Development Centre, IIM Lucknow, Noida Campus
5	Mukta Mani Monica Chaudhary	Workshop on "Cervical Cancer"	10 November,2017	JIIT, Noida
6	Amba Agrawal Sakshi Varshney Ekta Srivastava Praveen Kumar Sharma Ruchi Gautam Manas Ranjan Behera Mukta Mani Monica Chaudhary Shirin Alavi	GST: Concepts and Applications	9 December, 2017	JIIT -128

S. No.	Names	Event	Date	Venue
7	Santosh Dev	Workshop on 'How to juggle multiple expectations from teaching, publishing in leading journals, applying for research grants etc., in an effort to manage your career development'	15 December, 2017	BML Munjal University (Gurugram)
8	Sakshi Varshney Manas Ranjan Behera	Author Workshop on Research paper Writing	19 -20 January, 2018	Jaypee Institute Of Information Technology, Sec-62, Noida

Departmental initiatives in the JIIT Campus to include guest speakers, seminars, talks, workshops and conferences conducted in the departments

Conference/ Seminar

Date	Event	Organised by	Detail
10-11 November, 2017	Jaypee Literary Students' Seminar on "Contemporary Literature: Changes & Challenges"	Convener Prof. Alka Sharma Coordinators Dr Monali Bhattacharya Dr Ekta Srivastava	This seminar provided the students with a platform to come and explore their research potential. It had 1 Plenary session in which two Resource Persons gave a talk, 2 technical session in which 100 students presented their papers and a creative expression session in which students showcased their creativity in the form of one-act play, petry session etc.
17-18 November, 2017	National Seminar on "Unboxing Today's Consumers in A Global and Digital Age"	Convener Prof. Alka Sharma Coordinators Dr Monika Choudhary Dr Swati Sharma Dr Shirin Alavi	The seminar aimed to provide a platform to participants to showcase their knowledge about consumerism. It explored the role and integration of digital technologies in transforming today's global consumers. The seminar was an attempt to explore linkages between competition, competition policy, private and public sector and growth. It had invited lectures by two Resource persons and sessions on Paper Presentation by the students.

Workshops/ Competitions

Date	Name	Organised by	Detail
10-15 July, 2017	FDP on "Qualitative Methods of Social Sciences Research"	Convener Prof. Alka Sharma Coordinators Dr Amba Agrawal Dr Sakshi Varshney	The aim of the One Week Faculty development programme on 'Qualitative Research Methodology' was to adopt a right approach in the selection of research design, methods and an understanding of research epistemologies driving qualitative research methods.
5 August, 2017	Workshop on "Finance for Non-Finance Professionals"	Dr Mukta Mani	This program was formulated for the non-finance professional, faculty members, students and anyone who is interested in understanding the basics of financial management and personal finance. The workshop was aimed to provide understanding of basic concepts of accounting and finance which are essential to take financial decisions at individual level.

Date	Name	Organised by	Detail
23 September, 2017	Creative Writing Competition- Think of It: Pen it Down	Convener Prof. Alka Sharma Coordinator Dr Monali Bhattacharya	70 students participated and composed poems/ short stories/one act play on the spot on a metaphorical photo given to them. Students were awarded with three best prizes.
9 November, 2017	Workshop on Goods & Service Tax (GST):	Concept & Application Convener Prof Alka Sharma Coordinators Dr Amba Agrawal Dr Sakshi Varshney	The objectives of this workshop were: To understand the key areas of GST and its impact on the businesses. To provide an opportunity for discussion and exchange of ideas on GST and its practical application for effective implementation. To provide an opportunity to recognize the strengths and gaps in the management of GST.
22 December, 2017	Workshop on' Investment Opportunities for salaried employed' by Dr P.K. Verma, Director Economic Development Trust organized by Securities and Exchange Board of India	Convener Prof. Alka Sharma	The aim of the One day Workshop on "Investment opportunities for salaried employed" was intended to teach participants the principles, practices and methods of investment management. The workshop included a series of discussions and planning steps to define the investment process, practices and methods to be used.
19-20 January, 2018.	Author Workshop on Research Paper Writing	Convener Prof Alka Sharma Coordinator Dr Kanupriya Misra Bakhru	The objective of the workshop was to strengthen the skills and knowledge of Research scholars/Academicians in publishing scientific research findings in peer reviewed journals. The workshop covered research process in a nutshell, introduction to literature sources, writing a quality technical paper in IEEE, working knowledge of Reference management software Mendeley, citation styles and how to avoid plagiarism, art of writing research papers and the publishing process: lifecycle of amanuscript.
19 March, 2018	Workshop on Role of Literature and Theatre in creating Gender Sensitivity	Convener Prof Alka Sharma Coordinators Dr Nilu Choudhary Dr Ekta Srivastava	There is a dire need in our society to look at gender equality with utmost importance. With this key idea this workshop aimed to enlighten our students regarding the role of Literature and Theatre in creating Gender Sensitivity.

JAYPEE BUSINESS SCHOOL

JJaypee 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 is a leading business school amongst the new generation of B-schools in India. The mission of JBS is "to prepare and produce competent, passionate and market centric professionals who can manage human resources, business operations and ensure world class quality practices".

Master of Business Administration(MBA) Programme

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.

2016-18 Batch:

Tenth batch of 65 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, 2016 and their second year classes began after completing first year along with their corporate internship. Three students could not complete the first year. Remaining chose the following specialization.

Functional Specialization	No. of Students
Finance	18
Marketing	31
Human Resource Management	09
Operations Management	04
Total	62
Sectoral Specialization	**No. of Students**
Financial Services	09
IS in Business	22
International Business	22
Business Analytics	09

2017-19 Batch:

Eleventh batch of 48 students were selected through the rigorous admission process conducted during January – June 2017. The batch comprises students from different academic background across all undergraduate programmes with balanced gender representation. Students registered themselves in this batch on June 28, 2017 and their first trimester started after two days long orientation programme.

➢ 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.

➢ Laboratories

Jaypee Business School has 2 laboratories providing computational facility of more than100 computer nodes interconnected via LAN. These nodes are running on the Windows 2000/Windows XP/Linux platform and are equipped with state of art software, like SAP, SPSS, MatLab, MS-Project etc. 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-2017
Dr. Michael Leslie, Professor, Florida State University, USA	Leadership	July-2016
Mr. Daya Prakash, Founder and CEO, ADP Infosystems, Noida	Business in Digital Era	Jan-March-2018
Mr. Rajiv Garg – Executive Director and-CIO of BHEL	Business Process Management & Enterprise System Integrating Information Systems in Business	Jul-Sept -2017 Oct-Dec-2017 Jan-Mar-2018
Mr. Suresh Verma, Ex-IBM and Strategic Consultant	Enterprise System – I Enterprise System -II	Jul-Sept 2017 Oct-Dec-2017

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. A.V. Surya	CEO	Kantar Public	July 01, 2017
2	Prof. Dr. Robert D. Hisrich	Professor	College of Business, Kent State University, USA	Nov 17, 2017
3	Mr. Anupam Verma	Sales Director	Cloud Platform, Oracle India	June 30, 2018

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.

1. **Workshop on "Entrepreneurship Skills" during 01-05. August 2017**
   Speakers: Mr.Vaibhav Singhal , Mr.Vivek Agarwal , Mr. Prashant Goel , Mr. Samrat Sharma , Dr. S. Suresh, Dr. S.Suresh and Dr.Sujata Kapoor, Mr. Sriram Purankar of JBS
   Coordinated by Dr. S. Suresh
2. **"Certification in Equity Trading & Investment" programme in collaboration with ICICIdirect Centre for Financial Learning (ICFL) and National Institute of Securities Market (NISM) during 13-22, Nov, 2017.**
   Speakers: Mr. Govind Kumar, Ramakar Jha ICICIDirect
   Coordinator- Dr. Sujata Kapoor
3. **Workshop on Commodity Markets in India – 09, October 2017**
   Speakers: Ms. Bhaavna Joshi Menon, Head, Training and Education - NCDEX
   Coordinator - Dr. Sujata Kapoor
4. **Guest lecture on "Innovation and startups"**
   Coordinator - Dr. Rajnish Kumar Misra
5. **Business Plan Contest –BeU – March 14, 2018**
   Invited participants from B-schools in NCR- 7 teams participated from 4 institutions
   Judges –

- Mr. C. Ravi Kumar, Alumnus, IIM Ahmadabad, Addl. GM, Power Finance Corporation
- Mr. Nirmal Kumar Bhesoni, Alumnus IIT Delhi , Insolvency Professional

Coordinator – Prof. G.K. Agarwal and Dr. S. Suresh

Industry Visit on April 11, 2018

MBA 2017-19 batch students visited the state of the art, Hero Moto Corp in Gurugram, along with faculty members. Students had a great learning experience in understanding management processes of the organization.

Faculty Development Programme

Competency Development Programme on Business Research and Analytics – June 18-23, 2018

The rise of Bigdata analytics is helping the world economy and business at large for more predictable behavioral pattern of consumers. To address these challenges, Business Research and Analytics programme was designed and conducted from June 19-23, 2018. The target groups were those management/ research professionals who are interested in research or are conducting research for enhancing knowledge in business and management, social sciences, and also for those working in contemporary areas of management to use business analytics for better decision making in their respective organizations. The numbers of participants in the programme were 17.

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

JBS Faculty – Workshop Participation and as Resource Person

Dr. Moonis Shakeel

Details of Seminar/ workshop	Duration	Organized by	Candidate's contribution
National Workshop on Soft Computing and Language Processing	27th –28th April, 2018	Competition Commission of India	Participant
Workshop on Business Analytics	23rd Dec 2017	Jauhar University, Uttar Pradesh	Resource Person

- **Second International Conference - ITQM-2017 –**

Jaypee Business School, a constituent of Jaypee Institute of Information Technology, organised an International Conference, on Information Technology and Quantitative Management (ITQM-17) on Dec 8-10, 2017.The conference was organised jointly by the International Academy of Information Technology and Quantitative Management (IAITQM) and JBS and was part of the JBS collaboration with the University of Nebraska, Omaha.

Management is a constantly evolving discipline with interdisciplinary applications across all businesses and societies. A galaxy of speakers and delegates from academia and industry representing over 24 countries across the globe participated in the conference. Participants from India came from the IIMs, IMI-Delhi, IIT-Delhi and several other universities and colleges.

The conference received 225 research papers. Out of this, 157 papers were accepted by the special session chairs, after a stringent peer review process. These papers have been published by Elsevier in their Procedia, Computer Science series.These papers were presented across 33 parallel sessions, during the conference. Keynote speakers included Mr. Inder Thukral from Boston Analytics and Mr. Himanshu Goyal from IBM. Academic speakers included the following-

- Philip S. Yu, University of Illinois at Chicago, USA who spoke on Fusion of Heterogeneous Data Sources
- Milan Zeleny, The ZET Foundation and the Tomas Bata University, Czech Republic who spoke on Entering the Age of Acceleration: From Information to Knowledge, From Description to Entrepreneurial Action
- Fuad Aleskerov, National Research University Higher School of Economics and Institute of Control Sciences of Russian Academy of Sciences, Russia who spoke on Power Indices in Networks and their Applications
- James M. Tien, College of Engineering, University of Miami, USA who spoke on Internet of Things, Real-Time Decision Making and Artificial Intelligence
- Richard C. Larson, Massachusetts Institute of Technology, USA on Queues in Service Systems: Some Unusual Applications and New IT-Facilitated Methodologies.
- Prof Deepak Khazanchi, College of Information Science & Technology, University of Nebraska at Omaha, USA gave a tutorial on Beyond Innovation: How Transformative Thinking Should Be Part of Our Daily Work.

Dr. Yong Shi, Head, IAITQM and Dr. Vandana Ahuja, from JBS were the conference co-chairs.The conference served as a global forum for exchanging research findings and case studies that bridge the latest Information Technology and quantitative management techniques. Over 20 best paper awards were handed out during the conference.

- ITQM – 2017- Special Sessions / Workshops Organized

  ITQM-2017 was organized between Dec 08-10, 2017 had special sessions and workshops conducted by various faculty members of JBS. The details are as follows:

  - Dr. Rajnish Kumar Misra-Workshop on Survey Design and Standardization Using SPSS & AMOS
  - Dr. Vandana Ahuja-Special Session on Digital Marketing in a Digital Age
  - Dr. Rahul Sharma – Special Session on Options Trading and Strategies
  - Dr. Moonis Shakeel-Special Session on Reproducible research using R
  - Dr. Debdeep De - Special session on Strategies to Develop Trade Data Exchange Mechanism: with Special Reference to South Asian members of APTA

- **Seminar on GST**

  CA Mr. Dhruv Agarwal conducted this seminar for the MBA students of both the batches on Jan 31, 2018 for 10:00 AM to 12:30 PM.

- **Seminar on Budget 2018**

  Mr. Sanjiv Tandan, Insolvency professional and tax consultant conducted a two-half hour seminar on Feb 02, 2018 from 10:30 AM onwards, the Annual Budget presented this year by the Finance Minister and helped the students to interpret how it benefits various stakeholders in the society.

Publications with JIIT Affiliation during academic year 2017-2018

JIIT

Table 1: Summary of Publications (January - December 2017)

S. No.	Paper Type	Total
1	International Journals	301
2	National Journals	1
3	International Conferences	103
4	National Conferences	0
5	Book Publication	3
6	Chapter Publication	12
7	Case Studies/Study Material /Articles	0
	Total	420

Table 2: Indexing Wise Break Details

	Indexed in SCOPUS	Indexed in Web of Science but not in SCOPUS	Indexed in DBLP but not in SCOPUS and Web of Science	Not indexed in SCOPUS/Web of Science/ DBLP but having Impact factors	Others (Peer re-viewed)	Others (Non-Peer reviewed)	Total
International Journals	245	1	0	6	43	6	301
National Journals	1	0	0	0	0	0	1
International Conferences	72	0	1	0	30	0	103
National Conferences	0	0	0	0	0	0	0
Total	318	1	1	6	73	6	405

Section 1 International Journals

Indexed in SCOPUS

1. Bhardwaj P, Jain C.K, Mishra P, Mathur A. “Comparative analysis of Bacoside A yield in field acclimatized and in-vitro propagated Bacopa monnieri”. International Journal of Pharmaceutical Science Review and Research, Vol. 44, pp. 168-175, 2017. [Indexed in Scopus and SCI, Impact Factor. 0.65, UGC approved].
2. M Singh, S P Singh, Rachana R. Antioxidant, cytotoxicity and stability evaluation of Ginkgo biloba extract (EGB761) based microemulsions (GBME) for enhanced therapeutic activity, Asian journal of pharmaceutical and clinical research; Vol.10 (08); pp. 1-6; 2017. (Indexed in Scopus. Impact factor 0.48).
3. I.P. Sarethy. “Plant Peptides: Bioactivity, Opportunities and Challenges”. Protein and PeptideLetters.Vol.24 (2), pp 102-108, 2017. doi: 10.2174/0929866523666161220113632 [Indexed in SCOPUS, Impact factor 1.06].
4. 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. 13, pp. 27 2017. DOI: 10.2174/1573407213666170104124315. [Indexed in SCOPUS].

5. Ibeyaima, A.K. Dwivedi, N. Saini, S. Gupta, I.P. Sarethy. “Saccharothrix sp. TD-093 from the Thar Desert, India: Metabolite fingerprinting of antimicrobial compounds and in silico analysis”, Current Microbiology, vol. 74, no. 3, pp 334-343, Jan. 2017.DOI 10.1007/s00284-016-1183-9.[Indexed in SCOPUS, Impact factor 1.5].

6. Saxena, R., &Srivastava, S. (2017). “Nanoparticles Empowered Microelectrode for Fast and Sensitive Detection of Thyroid Stimulating Hormone”. Sensor Letters, 15(4), 375-379.

7. M. Singh, S. P. Singh and R. Rachana, “Development, Characterization and Cytotoxicity Evaluation of Gingko biloba extract (EGB761) loaded Microemulsion for Intranasal Application”, Journal of Applied Pharmaceutical Science, 7,(1), Jan 2017, pp024-034 [Indexed in SCOPUS]2017. [Scopus indexed, UGC approved, Thomson Reuter listed I.F. – 0.68]

8. IM Gupta, Y Prasad, SK Sharma, CK Jain, “Identification of Phosphoribosyl-AMP cyclohydrolase, as drug target and its inhibitors in Brucellamelitensisbv. 1 16M using metabolic pathway analysis”. Journal of Biomolecular Structure and Dynamics 35 (2), 287-299; 2017[Indexed in SCOPUS]

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Section 5 Book Publication

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2. Santoshi Sengupta (2017) "Exploring Employee Attrition and Retention –A comprehensive study of the urban-centric BPO industry of India" Lambert Academic Publishing, Germany ISBN: 978-3-330-34643-7
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Section 6 Chapter Publication

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2. Singh, M., Rajput, R., Kaur, R., Kumar, S., Rachana, "Designing of Natural Cancerous Drugs and Their Delivery System, Anticancer Plants: Properties and Applications", Editor(s): Dr.MohdSayeedAkhtar, Dr.Mallappa Kumara Swamy, being published by Springer international, USA. (Accepted and in print).
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10. Deepak Saini and Jasmine Saini (2017). "Examining Data Lake Design Principle for Cloud Computing Technology and IoT" in a book entitled "Examining Cloud Computing Technologies through the Internet of Things, IGI-Global, International Publisher of Progressive Information Science and Technology Research Books and Journals, ISBN 13: 978152253445, pp. 228-250.
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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. 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): 52912

Department Wise

S. No.	Department	Total No. of Titles (Approx.)	Total No. of Volumes (Approx.)
1	Biotechnology	2715	6558
2	Electronics & Communication	3116	8810
3	Computer Science & IT	4222	13738
4	Mathematics	2649	6496
5	Physics, Materials Science and Engineering	1177	3380
6	Humanities and Social Science	7172	13930
	Total	**21051**	**52912**

Books (as per Accession Register): 10400 (Sector 128 Campus)

Department Wise

S. No.	Department	Total No. of Titles (Approx)	Total No. of Volumes (Approx)
1	Electronics & Communication	521	3007
2	Computer Science & IT	492	3202
3	Mathematics	250	1219
4	Physics, Materials Science and Engineering	146	1081
5	Humanities and Social Science	591	1891
	Total	**2000**	**10400**

(ii) Electronics Resources

ACM Digital Library

S. No.	Resources	No. of Resources
1	Journals and Transactions	49
2	Magazines	12
3	Proceedings	1003
4	Newsletters	69
5	Oral History interview	10
	Total	**1143**

IEL Online/IEEE Xplore Digital Library

1	IEEE journals, transactions, magazines	210
2	IEEE conference proceedings	19850
3	IEEE published standards	3512
	Total	**23572**

Springer Link and LNCS

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

Springer Nature

1	Nature Biotechnology	01
2	Nature Materials	01
	Total	02

American Physical Society (APS)

1	Journals	14

American Institute of Physics (AIP)

1	Journals	28

ABI/INFORM Complete

1	Full text Journals	3800
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	30000

9	Business Cases	6000
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	**333493**

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
	Total	**631**

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 4940 CDs / DVDs are available in Learning Resource Centre for users.

(iii) Print Magazines/Journals – 73 (JIIT Sector 62)

International : 5

National : 68

(iv) Print Magazines/Journals - 12 (Sector 128 Campus)

National : 12

(v) Newspapers - 42

(vi) Newspapers - 25 (Sector 128 Campus)

Resources Added during the year 2017-18

(i) Books (as per Accession Register): 4850

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	50	788
2	Computer Science & IT	63	746
3	Mathematics	24	256
4	Physics, Materials Science and Engineering	17	142
5	Humanities and Social Science	11	109
	Total	**165**	**2041**

IT Infrastructure Centre

JJIIT 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 impalement 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 2008 R2/2012/2016 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 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
2	JIIT Sector 128	Intel Xeon G5 / G7 series Dual Core	3
		Intel Xeon Quad Core	5
		Cyberoam 500i Firewall	2
		Total	**40**

Desktops/Laptop:

Sr. No.	Location	Server Configuration	Qty.
1	JIIT Sector 62	Intel Xeon E3-1225 Processor	20
		Intel Core i5	581
		Intel Core i3	300
		Intel Core2Duo	264
		Intel P-IV Desktops	187
		Laptop	7
2	JIIT Sector 128	Intel Core i7	8
		Intel Core i5	20
		Intel Core i3	470
		Intel Core2Duo	110
		Laptop	2
		Total	**1969**

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

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. **LIST of JIIT 62 ONLY**

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 Cyberoam 1000ia 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	:	DELL- Intel Core I-5 @ 7400 3.5ghz **200 Nos.**
Server	:	2*Intel XEON E5-2620 V4,2.0ghz **3 Nos.**
Network Switches	:	Cisco Core Switch WS-C4507R +E **1 Nos.**
Wi-Fi Access Point	:	D-Link Route DIR-615 **21 Nos.**
Printers Desktop	:	HP 1020+ **1Nos.**
		HP 203DW **1 Nos.**
Printers Network	:	Laserjet M712 **3 Nos.**

ONGOING PROJECTS

Sl. No.	Particulars	DoS	DoE	Project Holder	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	DRDO	Dr. Anirban Pathak	29-Feb-16	28-Feb-19	34,60,400	"Design and cryptanalysis of protocols of secure quantum communication"
3	DST	Sunita Gupta	8-Sep-15	7-Mar-19	15,95,000	"Rational Structure-based development of potent inhibitors targeting mycobacetrial cysteine biosyntheticpathway: in silico and experimental drug design against M. tuberculosis CysE"
4	DST	Dr. Sonali Dubey	19-Dec-15	18-Dec-18	32,60,000	"Differential expression pattern of miRNAs in rice root during Cr(VI) stress"
5	DST-3	Dr. Anirban Pathak	12-Feb-16	11-Feb-19	39,50,760	"Entangled and other nonclassical states and their applications in the field of quantum comutation and communication"
6	DST	Dr. Sandeep Chokher	2-Jun-16	1-Jun-19	10,98,900	"Structurally manipulated stannate nanostructures for magnetic and optoelectronic applications"
7	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"
8	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
9	ICMR	Dr. Sanjay Gupta	21-Dec-15	31-Jan-19	33,00,000	"Identification of celluar targets of chikungunya Virus on structural proteins"
10	DBT	Dr. Kamal Rawal	14-Jul-17	13-Jul-20	29,23,800	"Building integrated pipeline for cancer genome analysis: Role of Mobile genetic elements in cancers"
11	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"
12	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"
13	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"

Sl. No.	Particulars	DoS	DoE	Project Holder	Project Cost	Titled
14	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"
15	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""
1	DST Inspire Fellowship	Garima Agarwal	20-Feb-15	19-Feb-20	16,99,865	"Identification of Peptide/Protien Binders of Chikungunya Virus"
2	DST Inspire Fellowship	Dibya Rani	24-Aug-15	23-Aug-20	11,91,693	"Nanoparticle based vaccine against Hepatitis E virus"
3	DST Inspire Fellowship	Rahul	9-Jun-16	8-Jun-21	7,43,200	"Fabrication of Nanotechnology Based Point-of-Care Device for Thyroid Disease "
4	DST Inspire Fellowship	Monika	1-Jul-16	30-Jun-21	7,40,000	"Development of potential inhibitors to target isocitrate lyases of Mycobacterium tuberculosis"
5	ICMR - Fellowship	Nidhi Srivastava	11-Aug-14	10-Aug-19	17,01,368	"Bioprospection of microorganisms from selected niche habitat(s) (soil/ rock) for antimicrobial activities"
6	CSIR - Fellowship	Kopal Singhal	10-Jan-17	9-Jan-22	69,267	"Genomics of diverse Wolbachia species from Indian Drosophila"
7	CSIR - Fellowship	Aditi Jain	10-Aug-18	9-Aug-20	18,356	"Understanding the Mechanism of Drug Induced Cadiotoxicity and its Prevention by Natural Bioactive Compounds"
8	CSIR - Fellowship	Sharad Saxena	10-Aug-18	9-Aug-20	18,356	Characterisation and evaluation of MMP-7 as a potential therapeutic target in cardiac stress
	TOTAL				**5,05,65,525**	

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 and 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 2017-2018 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 visits 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

Events organized by Team JYC

Welcome Function

The Welcome Function was held in the month of August. All fresher's were introduced the working of the college as well as their seniors. Fun introductory sessions were held the students integrate themselves successfully into the college environment. Towards the end, there were given a set of refreshments and thus, the Welcome Function concluded by giving students a first glimpse of their college life

Ebullience

The Ebullience'18 of Jaypee Institute of Information Technology, was held on 1st September. The first grand event of our college to welcome the first years where you'll find dance, food and fashion, all at one place. It saw a great participation from first years to win the coveted titles of Mr. and Ms. Ebullience. A jam session was organized and a refreshment counter was also set up for the event. Donned with smiles and dancing shoes on, the experience was filled with enigmatic emotions, experiences and various performances by the seniors to celebrate the future of JIIT.

Impressions Launch

Impressions, the annual Techno Cultural Festival of JIIT, Sector 62, was officially launched on 13th September, 2018. Launched in association with Jhankaar on Ethnic Night, the event witnessed a humongous, energetic crowd. The launch of Impressions'19 witnessed the release of the after movie of Impressions 2018 and filled the students with enthusiasm and excitement for the upcoming techno cultural extravaganza. The college was introduced to the Organizing Committee of the fest, the hardworking souls determined to make the biggest event of the college even grander. In a nutshell, the Launch of Impressions 2019 promised the students of JIIT, the best two days of their college lives.

Ardhviraam

Farewell of batch of 2018 of JIIT, Sector 62, was held on 26th May, 2018 . The theme being Reminiscence - Cherish The Moments, showing celebration of countless memories, and those four years that shaped us, made us what we are today. The college administration felicitated the hardworking souls who worked day and night and nurtured themselves into what they are today with a memento which was followed by performances and a jam session to light up the event. Farewell promised the final year students of JIIT that things never really end; for in every ending there is a chance for a new beginning.

HUB'S ACTIVITY LIST

NON-TECHNICAL HUBS

Cresendo

- Participation in Events

1. The hub took part in Ebuillence'17 held on 1st September 2017 having a participation of 2 students.
2. The hub took part in Joust'17 held on 22ndSeptember 2017 having a participation of 6 students.
3. The hub took part in Biotech Conference held on 1stFebruary 2018 having a participation of 10 students.
4. The hub took part in ECE Conference held on 22nd March 2018 having a participation of 6 students.
5. The hub took part in Cyber Shrishti'18 held on 22nd April 2018 having a participation of 7students.
6. The hub took part in Physics Conference held on 29th May 2018 having a participation of 8students.

- Events Organized

1. The hub organized Unplugged held on 17th November 2017 having a participation of 10 groups.
2. The hub organized Euphonium held on 24th February 2018 having a participation of 3 students with a prize of INR 1000 given to each winner.
3. The hub organized Antakshari held on 24thFebruary 2018 having a participation of 30 students with a prize of INR 1000 given to each winner.
4. The hub organized Voice of Impressions held on 25thFebruary 2018 having a participation of 30 students with a prize of INR 1000 given to each winner.
5. The hub organized Voice of Impression held on 25thFebruary 2018 having a participation of 20 students.

Thespian Circle

- Participation in Events

1. Took part in Freshers'17 on 1st September 2017 with participation of 25 students.
2. Took part in IC3 Conference on 2ndAugust 2017 with participation of 4 students.
3. Took part in Physics Play on 17th March 2018 with participation of 9 students.
4. Took part in Biotech Conference on 1st February 2018 with participation of 7 students.
5. Took part in Gunaah on 24th Feb 2018 with participation of 7 students.
6. Took part in Cybershrishti on 22nd April with participation of 8 students.
7. Took part in NCU on 3rd Nov 2017 with participation of 25 students.
8. Took part in UCMS on 21st March 2018 with participation of 25 students.
9. Took part in JIIT 128 Converge on 3rd Feb 2018 with participation of 25 students.
10. Took part in Impressions on 24th Feb 2018 with participation of 25 students.

- Events Organized

1. The hub organized Orientation'17 held on 3rd August 2017.
2. The hub organized Online Video Competition held on 15th August 2017.
3. The hub organized Meme Making Competition held on 7th Feb 2018.

ICREATE

- Participation in Events

1. The Hub participated in Thumfle on 24th February 2018 with a participation of 30 students with coupons given to winners.
2. The Hub participated in Suspicious Companion on 25th February 2018 with a participation of 50 students with 1st prize of Rs 1000, 2nd prize of Rs 700 and 3rd prize of Rs 500.
3. The Hub participated in Pictogram on 25th February 2018 with a participation of 86 students with coupons given to winners.

JPEG

- Participation in Events

1. They participated in Clicks and Strokes on 21st and 22nd April 2018 with a participation of 104 students and cash prizes to top two winners.

- Events Organized

1. Organized 30-30 Photography Competition held on 9th Nov 2017 with 130 students participating and cash prizes to top two winners
2. Organized Photography Workshop held on 11th and 12th Jan 2018.
3. Organized Mr. and Ms. Photogenic held on 24th and 25th Feb 2018 with 183 students participating and cash prizes to top two winners.
4. Organized Just Do It held on 25th Feb 2018 with 150 students participating and cash prizes to top two winners.
5. Organized Piksel (Online Competition) held on 25th Feb 2018 with 164 students participating and cash prizes to top two winners.
6. Organized Nostalgia held on 10th Nov 2018 with 8 students participating.

Radiance

- Events Organized

1. Organized Mr. and Ms. Ebullience on 1st Sep 2017 with participation of 70 students and gift hampers to top three contestants.
2. Organized Mr. and Ms. Impressions on 25th Feb 2018 with participation of 80 students and gift hampers to top three contestants.
3. Organized Theme Walk on 25th Feb 2018 with participation of 6 teams and cash to top three winners worth Rs 14000.
4. Organized Mini Stars 2018 on 25th Feb 2018 with participation of 15 children.

Parola

- Participation in Events

1. Participated in Joust'17 on 7th and 8th Oct 2017 with 280 participants.
2. Participated in JMUN'18 on 20th and 21st Jan 2018 with 300 participants.
3. Participated in Debate Competition (Impressions) with 30 participants with prizes to top three winners.
4. Participated in Debate Competition (Cyber Shrishti) with 36 participants and prizes to top three winners.

- Events Organized
  1. Organized Essay Writing Competition on 21st Feb 2018.
  2. Organized String Master and Vivad 24th Feb 2018.
  3. Organized Reflect on 21st and 22nd April 2018.
  4. Organized Quic-fic Short Story Competition from 28th April-5th May 2018.
  5. Organized All India Manthan on 10th August 2017 with prizes to top three winners by MHRD.

IOE

- Participation in Events
  1. Participated in Chakra View on 24th Feb 2018 with 60 teams.
  2. Participated in Mascara-El-Paso on 25th Feb 2018 with 64 teams.
- Events Organized
  1. Organized Diya painting on 28th July 2017.
  2. Organized Slum Visit on 2nd August 2017.
  3. Organized Tree Plantation on 5th Sep 2017.
  4. Organized Cracker Free Diwali on 11thOct 2018.
  5. Organized Quit weed and succeed on 1st Nov 2017.
  6. Organized Slum Visit on 17th Nov 2017.
  7. Organized Rolls Camera Action on 21st Aug 2017.
  8. The Scribble 23rd March 2018.

Kalakriti

- Events Organized
  1. Organized Bric-a-Brac on 25th Feb 2018.
  2. Organized Conventional Rangoli of 25th Feb 2018.

Jhankaar

- Participation in Events
  1. Participated in Group dance Competition on 24th Feb 2018 with 13 teams.
  2. Participated in Solo Dance Competition 25th Feb 2018 with 65 participants and prizes for top two prizes.
  3. Participated in On the spot dance competition on 25th Feb 2018 with 50 participants and prizes for top two winners.
  4. Performed in Cyber Srishti 21st-22nd April 2018.
  5. Conference on Advanced Materials and Nanotech from 15th-17th March 2018.
- Events Organized
  1. Organized Performance in ICABB from 31st Jan-2nd Feb.
  2. Organized Garba Night on 4th October 2018.

Page Turner Society

- Events Organized
  1. Organized Pic-A-Boo on 24th Feb 2018 with 40+ students.
  2. Organized Wordsmith Hunt on 25th Feb with 20 participants.
  3. Organized Comunica' on 15th March 2018 with 30+ participants with a book given in prize.
  4. Organized Book Exchange on 13th Nov 2018 with 25+ students.
  5. Organized Book Fair on Oct 18 with 30+ students.
  6. Organized Vizatim on 21st April 2018 with prize of worth Rs 3500.
  7. Organized Green Saga on 22nd April 2018 with prize of worth Rs 3500.

Expressions

- Events Organized
  1. Organized Myriad of Color on 22nd Sep 2017 with 14 participants and certificates were given to winners.
  2. Organized Ninja Loot Hunt 24th Feb 2018 with 60 participants and cash prizes, vouchers and certificates were given out.
  3. Organized Blind Vertrouwen on 24th Feb 2018 with 28 participants.
  4. Organized Comic Con 24th Feb 2018 with 10 participants.

JEB

- Events Organized
  1. Organized Talk on FA by HARSH GOYAL on 23rd Jan 2018 with 100 students participating.
  2. Organized Impressions escape the charades on 24th Feb 2018 with 60 students participating.
  3. Organized Impressions football fantasy league on 25th Feb 2018 with 28 students participating.
  4. Organized Cyber Srishti startup summit on 21st-22nd April 2018 with 12 students participating and cash prizes to first 3 winners.

TECHNICAL HUBS

Gaming and Multimedia

- Events Organized
  1. Organized Workshop on Oct 2017 with 100 participants.
  2. Organized Ditto Event on 13th Nov 2017 with 8 teams with 1st prize Rs 1000, 2nd prize Rs 500 and 3rd prize Head Phones.
  3. Organized Play and Hunt on 24th Feb 2018 with 250 participants and two prizes of Rs 500 & 300.
  4. Organized FIFA 18 Auction on 25th Feb 2018 with 60 participants and two prizes of Rs 500 & 300.

5. Organized Game play marathon on 25th Feb 2018 with 6 teams participating. 1st prize of Rs 2000, 2nd prize of Rs 1000 and 3rd prize of Rs 500.
6. Organized Bug Hunter on 21st April 2017 with 6 teams participating.1st prize of Rs 5000, 2nd prize of Rs 3000 and 3rd prize of Rs 2000.
7. Organized Workshop on 10th Aug 2017 with 100 participants.

Knuth

- Events Organized

1. Organized Workshop to guide on 9th May 2018 with 150 students participating.
2. Organized Execute 18.1 on 21st May 2018 with 216 teamswith cash prizes up to INR 20000 for top three programmers.
3. Organized Knuth Cup on 20th and 24th Feb with 218 teamswith cash prizes up to INR 20000 for top three programmers.
4. Organized Coding Competition on 25th Feb 2018 with 100 studentswith cash prizes for top three programmers.
5. Organized Coding Competition on 25th Feb 2018 with 150 studentswith cash prizes for top three programmers.
6. Organized Knuth classes for noob and pro in August and September with 60 students.
7. Organized Encode'17 on 4th Oct 2017 with 60 teamswith cash prizes and goodies.
8. Organized Execute on 29th Oct 2017 with 100 teamswith cash prizes and goodies.

uCR

- Events Organized
  1. Organized Autonomous Workshop on 15th-30th Jan 2018 with 300 students.
  2. Organized Blaze-A-Rush on 24th Feb 2018 with 35 teams and 15 prizes worth Rs 12500.
  3. Organized Kick-O-Bot on 24th Feb 2018 with 75 teams and 15 prizes worth Rs 12500.
  4. Organized Brettspiel on 24th Feb 2018 with 70 teams and 15 prizes worth Rs 12500.
  5. Organized Kodo-Fiesta on 24th Feb 2018 with 35 teams and 15 prizes worth Rs 12500.
  6. Organized Aerated Run on 21st April 2018 with 80 teams and 15 prizes worth Rs 12500.
  7. Organized Amigo Robo on 22nd April 2018 with 35 teams and 16 prizes worth Rs 12500.
  8. Organized Orientation cum Project Exhibition on 28th July 2017 with 300 students.
  9. Organized Manual Workshop from 14th-23rd Sep 2017 with 500 students.
  10. Organized Wireless Workshop from 17th-25th August 2017 with 300 students.
  11. Organized IOT Advanced Workshop on 8th-25th Aug 2018 with 150 students.
  12. Organized Manual Event from 5th-6th Oct 2017 with 450 students.

Graphicas

- Events Organized
  1. Organized Counter Strike on 24th Feb 2018 with 40 teams, giving goodies and vouchers.
  2. Organized Cirque De Mask on 25th Feb 2018 with 50 students, giving goodies and vouchers.
  3. Organized Treasure Hunt on 25th Feb 2018 with 60 students, giving goodies and vouchers.
  4. Organized Photoshop Workshop on 11th -12th Sept 2017 with 62 students.
  5. Organized Illustrator Workshop from 30th Jan to 1st Feb 2018 with 75 students.
  6. Organized Online Poster making from 29th Sept to 10th Oct 2017 with 25 students and 6000 cash prize.
  7. Organized Online Poster making from 21st-22nd April 2018 with 10 teams.

JIIT-OSA Student Chapter

- Events Participated in
  1. Industry Visit to GSES on 22nd May 2018 with 15 participants.
- Events Organized
  1. Organized Orientation on 10th Oct 2017.
  2. Info Desk at AMN Conference on 15th March 2018 with 60 participants.

IEEE

- Events Organized
  1. Organized Orientation 2017 on 25th July 2017.
  2. Organized TechBlocks 3.0 from 17th-22nd Aug 2017.
  3. Organized Workshop on ALGO&DS on 16th Sep 2017.
  4. Organized TechBlocks 3.1 on 9th Oct 2017.
  5. Organized Xenith 2k18 from 9th-10th Jan 2018.

Ribose

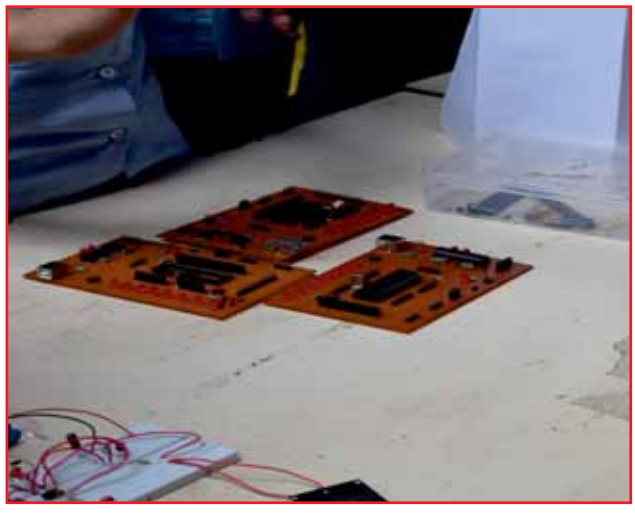
- Events Organized
  1. Invisible India on 23rd Aug 2017 giving certificates in prize.
  2. Lightning Idea 2.0 on 11th Nov 2017.
  3. Entroido on 24th Feb 2018 and giving gift vouchers and certificates.
  4. Masquerade on 25th Feb 2018, giving gift vouchers and certificates.
  5. Chasse au tresor' on 24th Feb 2018, giving cash prize Rs 10000 and certificates.
  6. Hydophilic on 22nd-23rd April 2018, giving cash prize Rs 8000 and certificates.
  7. Make your masterpiece 22nd-23rd April 2018, giving cash prize Rs 4000 and certificates.
  8. Causatum on 22nd-23rd April 2018, giving cash prize Rs 8000 and certificates.
  9. Who is the next Sherlock? On 23rd April 2018, giving cash prize Rs 4000 and certificates.

OSDC

- Events Organized
  1. Javascript Unleashed on 8 march 2017.
  2. Osdc Orientation on 21 Aug 2017.
  3. GSOC Meetup on 14 sept 2017.
  4. Git and Github on 20 sept 2017.
  5. Programming in Python on 12 oct 2017.
  6. Full Stack Web Dev Workshop on 16 Apr 2018.
  7. Build-a-thon Hackathon on 22 Apr 2018, giving cash prizes of 12k cash and additional kind.
  8. OSDC Orientation in 16 Aug 2018.
  9. Linux Meetup Hands-on on 30 Aug 2018.
  10. How to open source Meetup on 14 sept 2018.

CICE

- Event Organised
  1. Hardware Workshop between 21 Aug-28Aug
  2. PCB Fabrication between 02 Nov-07Nov.
  3. Voltz(under Vidyut) on 25 Nov 2017
  4. Techbuzz(under Vidyut) on 25-Nov-17
  5. Electromania(Under Impressions) on 24-Feb-17
  6. Circuit Hunt(under Impressions) on 25-Feb-18
  7. Circuit Trix(under Cyber Srishti) on 21-Apr-18



JYC ACTIVITIES AT SECTOR-128, NOIDA

The various events organized by JYC during year 2017-18 is as follows:

BLOOD DONATION CAMP (12th – 13thJanuary, 2017)

Every year JYC organizes a Blood Donation Camp with the hope to see as many lives as possible. It is heartwarming to see the youth come together for such a noble cause. Every drop of Blood counts, nothing compares to the joy and pride one feels when one walks out of the room, having done his share in giving someone a second chance.

JIIT YOUTH MARATHON (4th February, 2017)

Running is the road to self awareness and reliance. Promoting the social cause of SAVE THE GIRL CHILD and GENDER EQUALITY, The Youth Marathon witnesses whole hearted participation from students and draws the participation from students and draws the participation of more than 1k runners. The event comprises of a 5 km run inside the premises of Jaypee Wishtown Noida.

CONVERGE (3rd - 5th February, 2017)

Converge is the annual function organized by JYC every year, the brief report

A GLANCE AT EVENTS

1. **ABHIVYAKTI:THE DRAMATICS HUB:**
   a. **RIHAA: THE STREET PLAY:**The nukkad natak event wherein street play are performed on important society issues. A platform to showcase your acting, expression and script skills.
   b. **KALAMANCH: THE STAGE PLAY:**The theatre event wherein you perform in like theatres on various famous drama plays. A platform that tests your skills more efficiently.

2. FFORTISSMO: THE MUSIC HUB:

a. **ACCOUSTICA:SOLOSINGING:** A platform where a singer can show art music whether traditional, jazz, pop, rock etc. 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 b/w bands. A truly great event to watch on.

3. DANCE HUB

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

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

4. PANACHE: THE FASHION SHOW:

a. **POISE: THE ASION 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. The spectacular ramp event is an evidence of their panache.

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

c. **CAMPUSS PRINCESS:** Road to Miss India Competition.

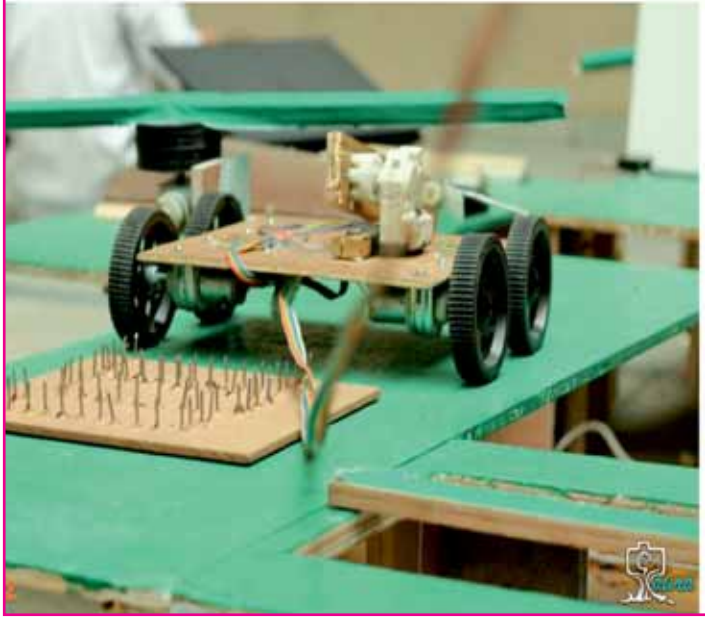
5. **Technical Events:**
   a. Code Flux
   b. Code Fight
   c. Code-in- Less
   d. Shaolin Soccer
   e. Grab the Cheese
   f. Clash of Clans

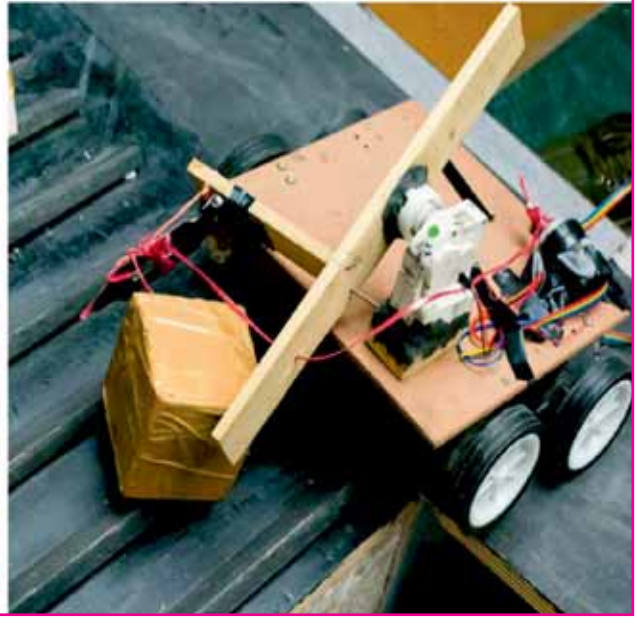
PROGRAMMING HUB

CODEFLUX

ROBOTICS

SHAOLIN SOCCER





QUIZZING & GAMING

CODEFLUX

6. Sports:

a. Cricket
b. Footbal
c. Badminton
d. Lawn Tennis
e. Basketball
f. Table Tennis

7. Informals:

a. Dubsmash Contest
b. Fuzzy Cricket League
c. Beg Borrow Snap
d. Draw the King
e. Chair Hustle
f. Anti-Chess
g. Hula Hoop
h. Air Crash
i. Au Pair
j. J Roadies
k. Logo Quiz
l. Tug of War
m. Sherlock 101
n. Pen Fighting
o. Groupfie Contest
p. Minute to Win It
q. Snap the Mystery
r. Entertainment Trivia

PRO NIGHT'S AT JIIT 128

DAY 1: MILLIND GABA

Day 1 of CONVERGE witnessed the sensational singer Millind Gaba. With about 3000 people in attendance, this was an amazing evening to remember. He kept the crowd engaged with a number of bollywood and his own album songs.

DAY 2: LOST STORIES

Day 2 saw a bigger crowd of 4000 people swaying to the beats of Lost Stories. And that's not it the opening acts by One & One and Upside down left the crowd begging for more. That evening is something everyone will definitely remember for the rest of their lives. All in all, the pro nights of JIIT give every JIIian something to look forward to and something that will stay with them forever.

FAREWELL (BATCH OF 2013-2017)

(5TH MAY, 2017)

In the beginning of Senior year, we beg the year to go by fast. Toward the middle, we beg itto slow down. And at the end, we wish it to never stop. A college degree is the key torealizing your dream, well worth the time and effort because it is supposed to open the doorto a world of opportunities.

To celebrate the end of term of graduation for the students of 4th year, JIIT Sector 128organized a Farewell Party in the college MPH, where students of B. Tech 3rdyear bid farewellto the outgoing students of B. Tech final year with great enthusiasm.

CONVERGE LAUNCH (16TH JANUARY, 2018)

In the beginning of Senior year, we beg the year to go by fast. Toward the middle, we beg itto slow down. And at the end, we wish it to never stop. A college degree is the key torealizing your dream, well worth the time and effort because it is supposed to open the doorto a world of opportunities.

To celebrate the end of term of graduation for the students of 4th year, JIIT Sector 128organized a Farewell Party in the college MPH, where students of B. Tech 3rdyear bid farewellto the outgoing students of B. Tech final year with great enthusiasm.

BOLLYWOOD MUSIC PROJECT (BMP) PROMOTION

(25TH JANUARY, 2018)

Touted as Asia's Largest Bollywood Music Festival, BMP curates experimental Bollywood Music through Bollywood's biggest headliners for South Asian Hindi speaking digital audiences globally. The Bollywood Music Project took place inDelhi on 27th& 28th January, 2018; where over 100 of the biggest names in Bollywood Music including Arijit Singh, Amit Trivedi, Vishal Shekhar, Rekha Bharadwaj, Badshah, Raftaar, Neeti Mohan and Sachin Jigar, along with over 200 musicians performed to a crowd of over 50,000 people in a multi-stage, multi-genre format. Digitally, BMP has engaged over 80 million fans. This JYC organized a promotional event for Bollywood Music Project at JIIT 128 as an engagement activity for students.

FLASH MOB CONVERGE (1ST FEBRUARY, 2018)

JIIT YOUTH MARATHON (3RDFEBRUARY, 2018)

Running is the road to self-awareness and reliance.Promoting the social cause of SAVE THE GIRL CHILD and GENDER EQUALITY, The Youth Marathon witnesses whole hearted participation from students and draws the participation from students and draws the participation of more than 1k runners. The event comprises of a 5 km run inside the premises of Jaypee Wish town Noida.

CONVERGE (2ND – 4THFEBRUARY, 2018)

Converge is the annual cultural-technical-sports fest organized by Jaypee Institute of Information Technology, Sector 128 Noida. One of the biggest college festivals across 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.

A GLANCE AT EVENTS

8. ABHIVYAKTI:THE DRAMATICS HUB:

a. **RIHAA: THE STREET PLAY:**The nukkad natak event wherein street play are performed on important society issues. A platform to showcase your acting, expression and script skills.

b. **ABHINAY: THE STAGE PLAY:**The theatre event wherein you perform in like theatres on various famous drama plays. A platform that tests your skills more efficiently.

9. FFORTISSMO: THE MUSIC HUB:

a. ACCOUSTICA: SOLO SINGING: A platform where a singer can show art music whether traditional, jazz, pop, rock etc. 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 b/w 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.

10. DANCE HUB

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

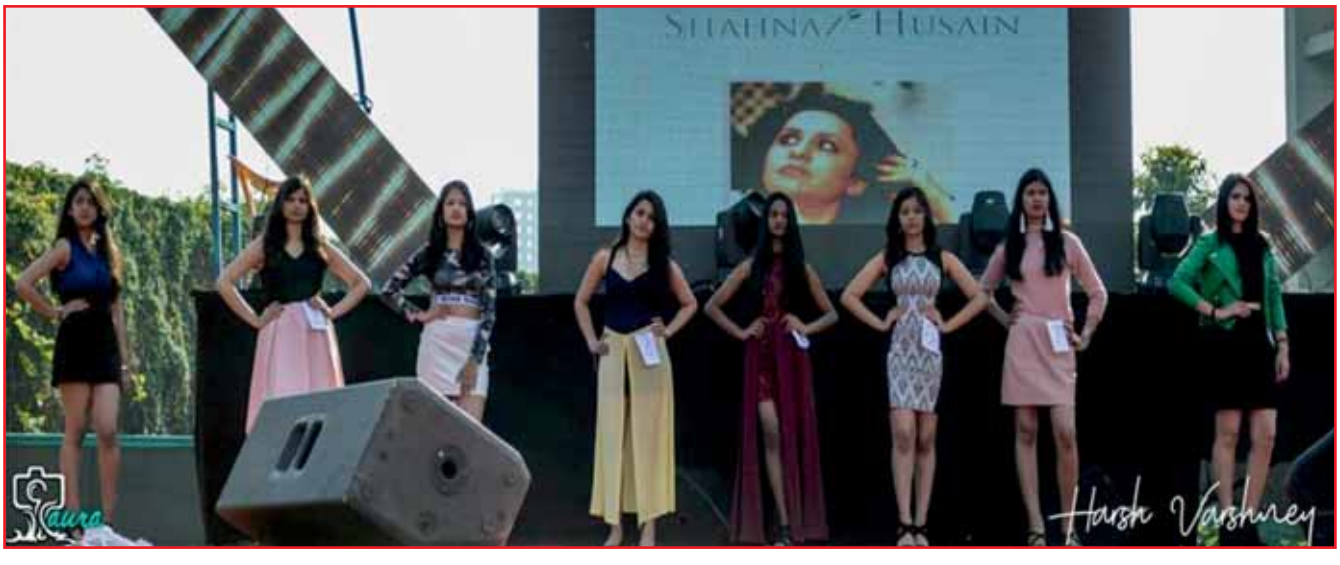
b. **SABRANG:** THE INDIAN DANCE:Organized by bhangra society the Indian dance society of JIIT128 where teams show classic moves in modern styles from bhangda to kathak and all.

11. PANACHE: THE FASHION SHOW:

a. **POISE: THE ASION 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. The spectacular ramp event is an evidence of their panache.

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

c. **CAMPUSS PRINCESS:** Road to Miss India Competition.



12. Technical Events:

a. Code Flux
b. Code Fight
c. Code-in- Less
d. Shaolin Soccer
e. Grab the Cheese
f. Clash of Clans

13. Sports:

a. Cricket

b. Football

c. Badminton

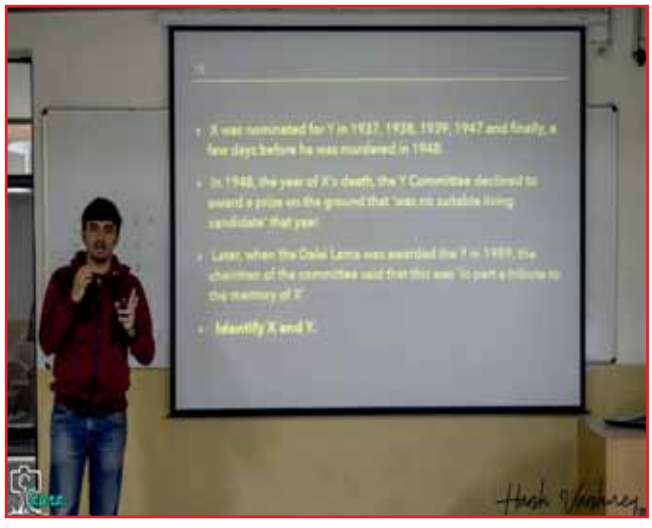
d. Lawn Tennis

e. Basketball

f. Table Tennis

14. Informals:

a. Dubsmash Contest
b. Fuzzy Cricket League
c. Beg Borrow Snap
d. Draw the King
e. Chair Hustle
f. Au Pair
g. J Roadies
h. Logo Quiz
i. Tug of War
j. Sherlock 101
k. Entertainment Trivia
l. Mini Militia
m. Quizzing



PRO NIGHT'S AT JIIT 128

DAY 1: ASEES KAUR

Day 1 of CONVERGE witnessed the sensational singer Asees Kaur. With about 3000 people in attendance, this was an amazing evening to remember. She kept the crowd engaged with a number of bollywood and her own album songs.

DAY 2: SUNBURN CAMPUS – TERI MIKO and RAVE & CRAVE

Day 2 saw a bigger crowd of 4000 people swaying to the beats of Sunburn Campus – Teri Miko. And that's not it the opening acts by Rave & Crave left the crowd begging for more. That evening is something everyone will definitely remember for the rest of their lives. All in all, the pro nights of JIIT give every JIITian something to look forward to and something that will stay with them forever.

SCRIBBLE DAY (3RD& 7TH MAY, 2018)

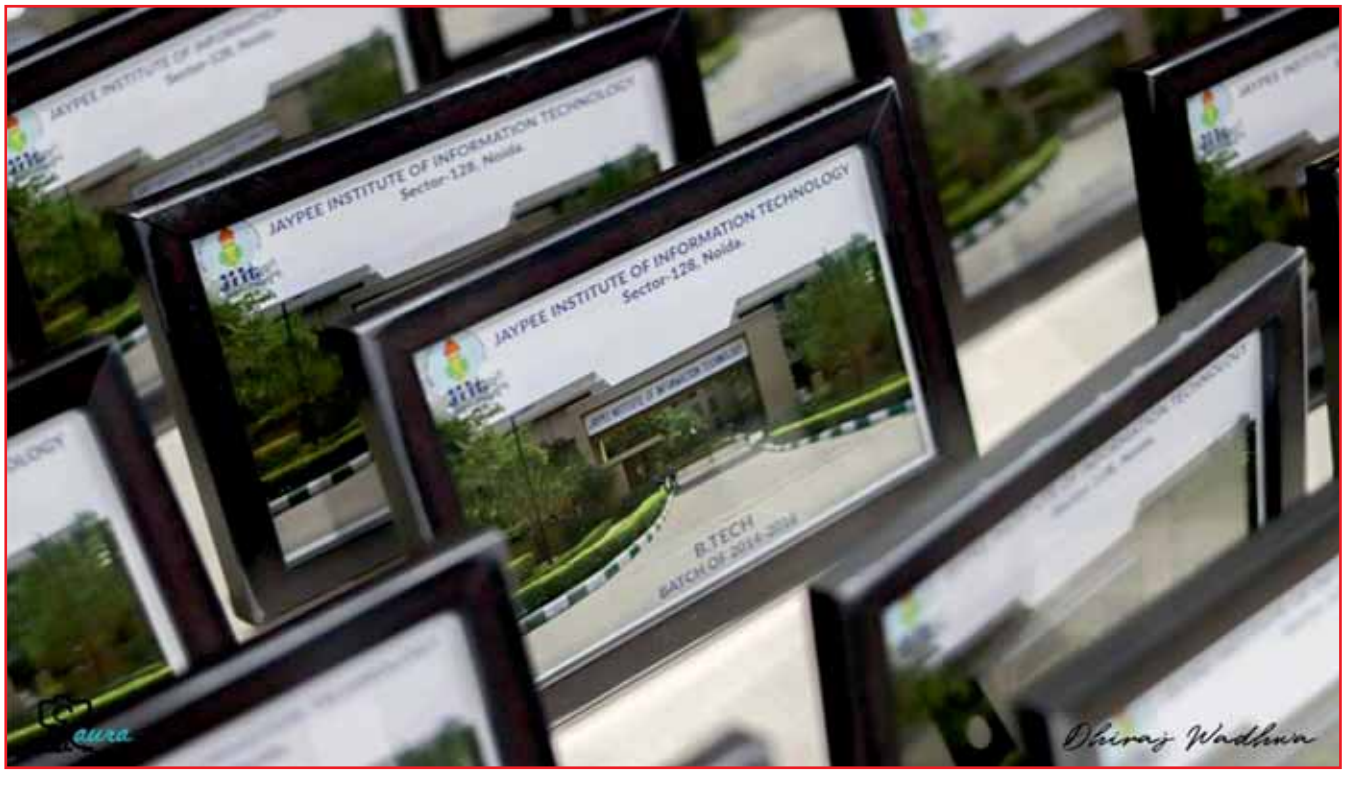
Every outgoing student of every college pass through this tradition before passing out from college. The traditional day is called as scribbling day where students come in white and get back all scribbled, penned by the loved ones and not-so-loved-ones as well.


SACHA PYAAR
Tanmay's Vision

FAREWELL (BATCH OF 2014-2018) (9TH MAY, 2018)

In the beginning of Senior year, we beg the year to go by fast. Toward the middle, we beg itto slow down. And at the end, we wish it to never stop. A college degree is the key torealizing your dream, well worth the time and effort because it is supposed to open the door to a world of opportunities.

To celebrate the end of term of graduation for the students of 4th year, JIIT Sector 128organized a Farewell Party in the college MPH, where students of B. Tech 3rd year bid farewell to the outgoing students of B. Tech final year with great enthusiasm.




JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY, SECTOR - 128, NOIDA
FAREWELL CEREMONY
B.Tech 2014-20
M.Tech 20
2018
Tanmay's Vision


VAMUNIQUE
Dhiraj Wadhwa

TRAINING & PLACEMENTS

Placement details for 2014-18 batch of B.TECH program is as below:

HIGHLIGHTS of activities conducted by T&P: - B.Tech

- Highest Salary – INR 39.12 Lacs by Adobe
- 05 Cos. with CTC between 16 - 39 Lacs
- 18 Cos. with CTC between 8 - 16 Lacs
- 32 Cos. with CTC between 5 - 8 Lacs
- 81 Cos. with CTC between 3 - 5 Lacs

PLACEMENT STATUS : JIIT, NOIDA 2014-18 B.Tech					
Branch	**Total Participating Students**	**Total No. of Offers**	**% of Total Offers**	**Absolute offers**	**% of absolute offers**
CSE	433	444	103%	391	90%
ECE	250	203	81%	186	74%
IT	47	42	89%	40	85%
BT	36	21	58%	21	58%
Total	**766**	**710**	**93%**	**638**	**83%**

PLACEMENT STATUS : JIIT, NOIDA Passed in 2018					
M.Tech Programs					
Branch	**Total Participating Students**	**Total No. of offers**	**% of Total offers**	**Absolute offers**	**% of Absolute offers**
M Tech					
CSE	12	4	33%	4	33%
Dual					
Dual CSE	17	19	112%	16	94%
Dual ECE	12	12	100%	11	92%
Dual BT	22	22	100%	22	100%
Total	**63**	**57**	**68%**	**53**	**84%**

List of Companies which recruited from B Tech/M.Tech, Integrated M.Tech programs in 2018

Sl. No.	Company	CTC in LPA
1	Adobe	39.12
2	Amazon	27
3	Microsoft	22
4	Directi	19.5
5	Amazon Web Services	17.75
6	Magnitude	14.5
7	Mentor Graphics	14.17
8	Grofers	13.25
9	SquadRun	11
10	PlaySimple Games	11

Sl. No.	Company	CTC in LPA
11	Morgan Stanley	10
12	SAP Labs	10
13	Smartprix	10
14	Xseed Education	10
15	Byjus	9
16	Ola Cabs	9
17	XL Catlin	8.67
18	Posist	8.5
19	Splashmath	8
20	Delhivery	8
21	SumoLogic	8
22	Axtria	7.8
23	FICO	7.5
24	Hashedin	7
25	Kuliza Technologies	7
26	Smarter Codes	7
27	HSBC	7
28	Hashedin	7
29	ZS Associates	6.53
30	Cognizant	6.5
31	Vehant Tech	6.5
32	Deloitte (USI)	6.2
33	Deloitte (India)	6.2
34	Octro	6
35	ArgilDX	6
36	Velankani Software	6
37	Carnot Technologies	6
38	Paytm	6
39	Grail Research	6
40	India Mart	5.85
41	Zycus	5.75
42	TheSmartcube	5.6
43	Zunroof	5.5
44	Edoofa	5.4
45	Shuttl	5
46	Abyeti technologies	5
47	Minjar Cloud Solutions	5
48	Yamaha Motor Solutions	5
49	PatchUs	5
50	Setuserv	5

Sl. No.	Company	CTC in LPA
51	LiveLike	5
52	Classplus	5
53	Blue Stacks	5
54	Finsol Tech	4.8
55	IIM Jobs	4.75
56	WSP	4.7
57	Research Nester	4.68
58	Gemalto	4.5
59	Mtree Software	4.5
60	Hot Cocoa Software	4.5
61	Dental Kart	4.5
62	Grappus	4.5
63	Naukri.Com	4.5
64	Posist	4.5
65	Nirvana	4.5
66	CauseCode Technologies	4.5
67	APAC	4.5
68	Xebia	4.5
69	Broadcom	4.5
70	Protiviti	4.35
71	Newgen	4.25
72	Crisp Analytics	4.25
73	Tolexo	4.2
74	LocoNav	4.2
75	SP Global	4.04
76	Metcube	4.04
77	Freyr Solutions	4
78	P&S Research	4
79	Algoscale	4
80	Wazo Studio	4
81	Isango	4
82	DHL	4
83	Forward Eye Tech	4
84	Credihealth	4
85	RTDS	3.85
86	Tech Sci	3.82
87	To The New Digital	3.75
88	Smart Joules	3.66
89	Prime Seller	3.6

Sl. No.	Company	CTC in LPA
90	Blowhorn	3.6
91	Lutron	3.6
92	HCL	3.5
93	Incedo	3.5
100	Dion Global	3.5
101	Jabong	3.5
102	ION Trading	3.5
103	Navisite India	3.4
104	Wipro	3.3
105	Infosys	3.25
106	TCS	3.25
107	Knoldus	3.2
108	Grapecity	3.2
109	Phronesis Partners	3.1
110	NTT Data	3
111	STMicroelectronics	3
112	AppyPie	3
113	ExtraMarks	3
114	Peluche	3
115	Optimus Information	3
116	Svarochi	3
117	Magna Info Tech	3
118	Crowe Horwath	3
119	Almora Deck	3
120	WSDM	3
121	RGF	3
122	JM Consultancy	3
123	Tech Ryde	3
124	Stellar Value Chain	3
125	Biz2Credit	3
126	Carrees360	3
127	TwinSpark	3
128	DP Project	3
129	EY	3
130	KPMG	3
131	Airtel	3
132	Cadence	3
133	Next Level Business	3

PLACEMENT STATUS : MBA, JBS NOIDA 2016-18

Placement Details for 2018 batch of MBA Program is as below:-

PLACEMENT STATUS : JBS, NOIDA 2016-18			
Specialization	**Participating Students**	**No. of offers**	**% of offers**
Marketing	21	20	95%
Finance	15	13	87%
HR	7	6	86%
Operations	3	1	33%
Total	46	40	87%

List of Companies for MBA (2016-18) recruitment		
Sl. No.	**Company's Name**	**CTC (LPA)**
1	Amazon	15.25
2	Xseed Education	12
3	Byjus	9
4	Zycus	7
5	Eazy Diner	6.05
6	TransWeb-BDA	6
7	Godrej & Boyce	5.75
8	Berger Paints	5.5
9	99 Acres	5.5
10	Naukri.Com	5.5
11	F1F9	5.06
12	Windmöller & Hölscher India:	5
13	APAC	4.5
14	Home Credit India	4.2
15	Freyr Solutions	4
16	Prop Tiger	4
17	P&S Market Research	4
18	ICICI Securities	4
19	Asahi India Glass	4
20	TechSci Research	3.82
21	DXC Technolgy	3.78
22	Uflex Limited	3.75
23	Naukri Premium	3.6
24	To the New Degital	3.6
25	Secure Now	3.6
26	ICICI Prudential Asset Management Company Limited	3.5
27	Paper Pedia	3.5
28	India Bulls	3.5
29	Inspire Infotech	3.5
30	Phronesis Partners	3.4
31	Ez Credit	3

Sl. No.	Company's Name	CTC (LPA)
32	MyZeal IT Solutions	3
33	Lean Apps	3
34	NeerInfo Solutions	3
35	SNVA Venture Pvt. Ltd	3
36	TransWeb-Operations	3
37	Arvind Lifestyle Brands Ltd	3
38	Prateek Group	3
39	Super Pioneer Personnel	3
40	Kantar	6.75

HIGHLIGHTS of Activities conducted by T&P for B.Tech : July 2017- June 2018

June 2018

Infosys: launched #HackWithInfy, a hackathon for 2019 batch of engineering students across the country, to not only provide 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. Over 1000 Jaypee students took part in the on line contest. A number of students of Jaypee were placed in the top 500 on All India basis. These students will be awarded a PPI. (Pre-Placement Interview) Top 100 students were shortlisted for the finals to be held at Infosys Pune campus from all universities across India in Aug 2018. Out of these, 3 students are from JIIT, Noida.

May 2018

Cognizant Technologies finally visited Jaypee Institutes of Education for placement of students, instead of their usual time of end Sep/Early Oct 2017. They selected 49 students and gave them offer letters.

April 2018

Wipro Limited and JIIT got into a tacit arrangement to take part in Wipro's TalentNext program – A unique initiative framed towards strengthening Academia-Industry relationship, aiming at an overall enhancement in corporate readiness.

TalentNext is a Wipro initiative that focuses on building deeper engagement with colleges across India, by providing Digital-ready skills to the college faculty through Wipro's Project Based Learning framework, and ensuring facilitation of digital skills amongst students.

This program focuses on enhancing faculty's ability to teach programing languages by creating a pool of Wipro Certified Faculty (WCF). The WCF trains their students on digital skills using a structured academic intervention and Wipro's project based learning approach. The volunteered students will go through stipulated hours of rigorous learning process and take assessments. TalentNext will take off in JIIT from 3rd week of July'18 and will continue till 3rd week of Sep'18.

TCS EngiNX 2018 : The Digital Twin An Engineering Innovation contest from TCS - Engineering and Industrial Services & Internet of Things Business Unit exposes students to innovation and creativity. Jaypee students took part and enhanced their learning/skills in this area.

March 2018

In order to keep up with the changing scenario in IT sector and to ensure JIIT students continue to get placed in good companies, JIIT has collaborated with Ericsson Global India. Ericsson, with the help of their own resources conducted an elective in Advanced Radio Access Network (ARAN) for 50 students from ECE branch during the week ends. Classes were held at JIIT from 26 Jan 2018 till 13 May 2018. These were held every alternate weekend for 6 Hours/weekend or 3.5 hrs/day. Total 42 hours of ARAN classes were held. It was very successfully delivered, and there was 100% attendance.

Wipro conducted Women's Day engagement activity in their Greater Noida Development Centre office on 9th March. Jaypee students took part.

Deloitte: organised TechnoUtsav at JIIT campus!

Held over two stages, TechnoUtsav would branch out into two threads, CCTC and TechE :

* 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. Jaypee students took part and enhanced their learning/ skills in this area.

Feb 2018

Wipro Ltd finally visited Jaypee Institutes of Education for placement of students, instead of their usual visit time of end Sep/Early Oct 2017. They selected 58 students and gave them offer letters.

TechGig conducted Techcon. This was TechGig's 30 min MCQ challenge series for freshers, where students get to expose themselves in skills like Machine Learning, Artificial Intelligence, Cloud and IoT that are in demand with recruiters like Microsoft, IBM, GE, Deloitte, Accenture, Amadeus, and Sapient etc.

Jan 2018

Ericsson Career Connect program was jointly organized by T&P Department and ECE from January 29th 2018 to January 31st 2018. This event is a part of Ericsson India Global Services to train young people at selected institutions across India in order to support Digital India and Skill India initiatives. The program was delivered for a selected batch of 50 students (30 from JIIT Sec-62, and 20 from Sec-128) of B.Tech third year (ECE) with theoretical instructor-led lessons for about 20 hours with a focus on Telecom fundamentals, overview of next generation networks, IP-fication/ Everything over IP and Emerging technologies. It was very successfully delivered, and there was 100% attendance.

Tata Motors organized Leveraging Technology And Digital Intelligence In Supply Chain Function.

Jaypee students took part and enhanced their learning/skills in this area.

KRONOS: launched – **KRONOTHON 2.0** Jaypee students participated in this event.

Dec 2017

Informatica Code-a-thon Contest:

Informatica Code-a-thon is a programming-focused challenge designed to inspire the creative and dynamic gen-z's to put their skills to the test. For nine days, aspiring students compete for a chance to win prizes like – Mac book Air, IInd prize – i phone 7.

This contest is open only to students in India based engineering colleges across all disciplines of an undergraduate or masters program.

Nov 2017

Adobe organised greatest hackathon in India CODIVA for women engineers. CODIVA is a hackathon initiative celebrating women in technology. Open to all women studying in the final year or pre-final year in Indian colleges. Top winners get a chance to be interviewed for Full Term Position or Internship Position at Adobe. Jaypee students participated in the event.

Oct 2017

TechGig.com organised biggest campus event of the year, the "Virtual Campus League", where top IT/Tech companies hire students for jobs and internships.

TechGig.com, is India's biggest IT community and Guinness World Record holder. It is an inter college national level programming/coding event where best programmers & tech enthusiast students from engineering colleges

across India come together on one platform and compete against each other. Students get a chance to be hired/ intern with top companies on the basis of their performance in the contest. Besides many prizes to be won, every participating student gets a participation certificate.

Sept 2017

DXC Technology, formerly known as CSC Technologies, called champion Developers to the coding field which was being organised by their client Bank of Baroda (Baroda Finathon Challenge). A number of Jaypee students participated in the event, which had cash prizes worth Rs 10 Lacs.

Aug 2017

Infosys conducted a workshop on 'Career in IT Industry' and almost One thousand students from JIIT took part from batch 2014-18.

Ericsson conducted a convocation and certificate distribution ceremony for 50 ECE ARAN Elective students of 2014-18 on 25th Aug 2017.

July 2017

T&P department organized aptitude training program of 18 hours for each student for approx 850 students (volunteered students). It was well received by students from JIIT, JUIT, JUET, and JUA.

FINANCIAL STATUS

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

Appendix-A

BOARD OF MANAGEMENT

1. (i) Vice-Chancellor…….Chairperson

Prof. S.C. Saxena

(ii) Maximum of two nominees of sponsoring Society/Trust/Company

(i) Sh. Manoj Gaur

(ii) Sh. Sunil Kumar Sharma

(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

Appendix-B

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. S C Katiyal
   (ii) Prof. Alka Tripathi
   (iii) Prof. Shweta Srivastava
   (iv) Prof Krishna Asawa, Coordinator
   (v) Prof Vikas Saxena. Coordinator
   (vi) Prof Rajnish K Mishra, Head (Acadmics) JBS
   (vii) Dr Pammi Gauba, Coordinator, BT

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

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

Appendix-C

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
6	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 & Tutorials	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	Toilet	1222
22	Principal Directors 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	Cabin for Head of Dept	404
31	Faculty Room	3555
33	Office 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	Tutorials	16
4	Seminar Room	7
5	Electronics Lab	32
6	Computer Lab	46
7	Physics Lab	7
8	Biotech Lab	15
9	Language Lab	2
10	Management Lab	1
11	Workshop	2
12	Engineering Drawing	2

Facilities & Utilities (At Sec-62)

Banking

The University has tie up with IDBI Bank Ltd. for opening the saving account.
Two ATM machines are installed by ICICI Bank at Security Gate No. 3.

Tuck Shop

There is a reasonably stocked Tuck Shop inside the campus wherein items for use by students on daily basis are available and can be purchased at nominal cost.

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 also 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)	Pool with adequate no. of shower, change rooms water filtration and chlorination facilities.
Billiards	A new billiards and snooker table is installed in Indoor Sports Complex
Pool Table	A new 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 boys gym with Tread Mills and equipments are available for the students.
Girls Gym	A well equipped girls gym with Cross Trainer and Tread Mill Machine is available exclusively for girls.
Guest Rooms :	21

Details of Transport

Staff Cars / hired cars provided to the staff / authorities as per terms and conditions, besides 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 IDBI Bank Ltd. 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 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.

Tuck Shop

There is a reasonably stocked Tuck Shop inside the campus wherein items for use by students on daily basis are available and can be purchased at nominal cost.

Sports:

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

Details of Transport

Four buses ply for the students within NCR.

Appendix-D

LIST OF FACULTY

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
1	JIIT1458	DR. S.C. SAXENA	VICE CHANCELLOR (ACTG.)	BE(1970), ME (1973), Ph.D. (1977)	01-JUL-11
2	JIITC905	DR. HARI OM GUPTA	DIRECTOR SECTOR-128 CAMPUS	BE (1972), ME(1975), Ph.D. (1980)	20-DEC-11
3	JIIT1486	DR. ALKA SHARMA	DEAN (HUMANITIES)	B.Sc. (1983), MA(1986), M.Phil.(1988), Ph.D.(1995)	27-JUN-11
	DEPARTMENT OF BIO TECHNOLOGY				
4	JIIT1212	DR. SANJAY GUPTA	Prof.	B.Sc.(1991), M.Sc.(1993), Ph.D.(2000).	12-JAN-06
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 SHRIVASTAVA	Asso. Prof.	B.Sc.(1991), M.Sc.(1993), M.Phil.(1994), Ph.D.(2002)	28-OCT-04
8	JIIT1353	DR. RACHANA	Asso. Prof.	B.Sc.(1996), M.Sc.(1998), Ph.D.(2005)	15-JUN-09
9	JIIT1215	DR. SUJATA MOHANTY	Asso. Prof.	B.Sc.(1984),M.Sc.(1986), Ph.D.(1992)	16-FEB-06
10	JIIT1136	DR. INDIRA P SARETHY	Asso. Prof.	B.Sc.(1992), M.Sc.(1994), Ph.D(2001)	5-JUL-04
11	JIIT1155	DR. REEMA GABRANI	Asso. Prof.	B.Sc.(1991), M.Sc.(1993), Ph.D.(1998)	1-SEP-04
12	JIIT1267	DR. VIBHA RANI	Asso. Prof.	B.Sc.(1996), M.Sc.(1998), M.Phil.(2001), Ph.D.(2005)	16-DEC-06
13	JIIT1404	DR. PAMMI GAUBA	Asso. Prof.	B.Sc.(1982), M.Sc.(1983), Ph.D.(1988)	10-JUL-10
14	JIIT1346	DR. SHWETA DANG	Asso. Prof.	B.Pharma (1998), M.Pharma. (2001), Ph.D.(2006)	10-FEB-09
15	JIIT1438	DR. ASHWANI MATHUR	Asso. Prof.	B.Sc.(2000), M.Sc.(2002), Ph.D.(2009)	15-DEC-10
16	JIIT1482	DR. VIBHA GUPTA	AP (SG)	B.Sc.(1987),M.Sc.(1990), Ph.D.(1998)	27-JUN-11
17	JIIT1218	DR. KAMAL RAWAL	AP (SG)	BHMS(2000), Advanced PG Diploma in Bioinformatics(2002), Ph.D (2009)	20-MAR-06
18	JIIT1402	DR. SMRITI GAUR	AP (SG)	B.Sc.(2001), M.Sc.(2003), Ph.D.(2010)	10-MAR-10
19	JIIT1430	DR. SHALINI MANI	AP (SG)	B.Sc.(2000), M.Sc.(2002), Ph.D.(2010)	12-AUG-10
20	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
21	JIIT1464	DR. PRIYADARSHINI	AP (SG)	B.Sc.(1998), M.Sc.(2001), Ph.D.(2010)	01-JUL-11

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
22	JIIT1187	DR. SUSINJAN BHATTACHARYA	AP (SG)	B.Sc.(1996), M.Sc.(1999), Ph.D(2002)	27-JUL-05
23	JIIT1439	DR. GARIMA MATHUR	AP (SG)	B.Sc.(2000), M.Sc.(2002), Ph.D.(2008)	21-DEC-10
24	JIIT1322	MS. MANISHA SINGH	Asst. Prof. (I)	BPT(2004), MPT(2007)	15-JUL-08
25	JIIT1717	MS. EKTA BHATT	ASSO. LECT	B.SC(2006), M.SC(2008)	2-AUG-16
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING / INFORMATION TECHNOLOGY					
26	JIIT1068	DR. KRISHNA ASAWA	Prof.	B.Sc.(1993), MCA(1996), Ph.D.(2002)	30-MAY-03
27	JIIT1204	DR. VIKAS SAXENA	Prof.	B.Tech.(2000), M.E.(2002), Ph.D.(2008)	1-OCT-05
28	JIIT1058	DR. SANDEEP KUMAR SINGH	Asso. Prof.	B.Sc.(1997), PGDM(1999), 'B' Level(2001), MCA (2002), Ph.D.(2011)	1-JAN-04
29	JIIT1462	DR. SATISH CHANDRA	Asso. Prof.	B.E. (1997),M.Tech. (2002), PhD (2010)	1-JUL-11
30	JIIT1491	DR. CHARU	Asso. Prof.	B.Tech. (2003), M.Tech. (2005), Ph.D. (2011)	12-AUG-11
31	JIIT1156	DR. PRAKASH KUMAR	Asso. Prof.	B.E.(1993), M.Tech.(2000).	14-OCT-04
32	JIIT1392	DR. CHETNA GUPTA	Asso. Prof.	BE (2004), M.Tech. (2006), Ph.D. (2011)	11-DEC-09
33	JIIT1517	DR. DEVPRIYA SONI	Asso. Prof.	B.Sc. (1998), MCA (2002), Ph.D. (2011)	4-JUL-12
34	JIIT1532	DR. NEETU SARDANA	Asso. Prof.	B.Sc. (1997), MCA (2001), Ph.D. (2011)	28-JUL-12
35	JIIT1137	DR. SHIKHA K MEHTA	Asso. Prof.	B.Sc.(1998), MBA(2000), WDA(2001), M.Tech.(2003), Ph.D(2013).	9-JUL-04
36	JIIT1150	DR. ANUJA ARORA	Asso. Prof.	B.Sc.(2001), M.Sc.(2003), Diploma in C, C++(2003), Ph.D. (2013)	16-AUG-04
37	JIIT1213	DR. MANISH KUMAR THAKUR	Asso. Prof.	BE(1998(, M.Tech.(2004). Ph.D.(2014).	16-JAN-06
38	JIIT1616	DR. MUKESH SARASWAT	Asso. Prof.	B.E. (2001), M.Tech. (2010), Ph.D. (2013)	23-JUL-14
39	JIIT1223	DR. CHETNA DABAS	AP (SG)	B.Sc.(1998),M.Sc.(2000), M.Tech(2002), Ph.D.(2011).	17-MAY-06
40	JIIT1572	DR. DHARMVEER SINGH RAJPOOT	AP (SG)	BE (2005), M.Tech(2008), Ph.D. (2013)	8-JUL-13
41	JIIT1229	DR. SUMA DAWN	AP (SG)	BE(2002), M.Tech.(2005), Ph.D. (2015)	10-JUL-06
42	JIIT1288	DR. SANGEETA MITTAL	AP (SG)	B.Tech.(2000), M.Tech.(2007), Ph.D. (2015)	2-AUG-07
43	JIIT1121	DR. TRIBHUWAN KUMAR TEWARI	AP (SG)	B.Sc.(1998), B.E. (2003), M Tech.((2007), Ph.D. (2015)	12-JAN-04
44	JIIT1547	DR. ADWITIYA SINHA	AP (SG)	BCA (2006), MCA (2008), M.Tech. (2011), Ph.D. (2015)	18-FEB-13
45	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
46	JIIT1021	DR. BHARAT GUPTA	AP (SG)	BE(1999), M.Tech.(2000), Ph.D.(2015)	1-JUL-02
47	JIIT1088	DR.MUKTA GOYAL	AP (SG)	B.Tech.(1995), M.Tech.(1999) PH.D(2016)	11-AUG-03
48	JIIT1051	DR.K.RAJALAKSHMI	AP (SG)	BE(2000), ME(2001) PH.D((2016)	7-JAN-03
49	JIIT1219	DR. KAVITA PANDEY	AP (SG)	BE(2002), M.Tech.(2003). Ph.D(2017)	11-APR-06
50	JIIT1174	DR. HEMA N	AP (SG)	BE(2000), M.Tech.(2003). Ph.D.(2018).	4-JUN-05
51	JIIT1355	DR. SHIKHA JAIN	AP (SG)	B.Tech.(2003), M.Tech.(2007) (PH.D-2016)	01-JUL-09
52	JIIT1324	DR.PARMEET KAUR	AP (SG)	BE(1998), M.Tech. (2008) PH.D(2016)	25-JUL-08
53	JIIT1768	DR.APARAJITA NANDA	AP (SG)	B.Tech(2008), M.Tech(2011), Ph.D(2017)	08-AUG-17
54	JIIT1740	DR. AMARJEET	AP (SG)	B.Tech(2004), M.Tech(2011), Ph.D(2017)	25-JAN-17
55	JIIT1442	DR. SANJEEV PATEL	AP (SG)	B.Tech.(2005), M.TECH. (2008)PH.D(2017)	3-JAN-11
56	JIIT1510	DR.SANGEETA	AP (SG)	B.Sc.(2007), M.Sc.(2009), M.Tech.(2011)Ph.D(2017)	04-APR-12
57	JIIT1670	DR. TAJ ALAM	AP (SG)	B.Tech. (2009), M.Tech. (2012), Ph.D. (2017)	19-FEB-15
58	JIIT1715	DR.POTUKUCH RAGHU VAMSI	AP (SG)	B.E. (2003), M.Tech(2007),Ph.D(2016)	25-JUL-16
59	JIIT1718	DR. PAYAL KHURANA BATRA	AP (SG)	B.E. (2004), M.E(2009),Ph.D(2017)	12-FEB-16
60	JIIT1299	DR. ARCHANA PURWAR	AP (SG)	B.Sc.(1999), MCA(2003), M.Tech.(2007), Ph.D (2018)	01-FEB-08
61	JIIT1784	DR.ANKITA VERMA	AP (SG)	B.Tech. (2011), M.Tech. (2014), Ph.D (2018)	16-SEP-17
62	JIIT1809	DR.NISHA CHAURASIA	AP (SG)	B.Tech. (2011), M.Tech. (2013)Ph.D (2017)	16-JUN-18
63	JIIT1810	DR. GYAN SINGH YADAV	AP (SG)	B.Tech. (2010), M.Tech. (2012)Ph.D (2018)	20-JUN-18
64	JIIT1811	DR. SHRUTI JAISWAL	AP (SG)	B.Tech. (2017), M.Tech. (209) Ph.D (2018)	16-JUN-18
65	JIIT1813	DR. NEERAJ JAIN	AP (SG)	B.Tech. (2007), M.Tech. (2010)Ph.D (2018)	16-JUN-18
66	JIIT1824	DR.ANKIT VIDYARTHI	AP (SG)	B.Tech. (2008), M.Tech. (2011)Ph.D (2017)	18-JUN-18
67	JIIT1695	DR. HIMANI BANSAL	AP (SG)	BE (2006), M.Tech. (2013), Ph.D. (2018)	08-JAN-16
68	JIIT1508	MS. NIYATI AGGRAWAL	AP (SG)	B.Tech.(2006), M.Tech. (2010)	13-FEB-12
69	JIIT1807	DR. RASHMI KUSHWAH	AP (SG)	B.Tech. (2006), M.Tech. (2009), Ph.D (2018)	16-JUN-18
70	JIIT1228	MS. INDU CHAWLA	Asst. Prof. (II)	BE(2000), M.Tech(2006)	4-JUL-06

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
71	JIIT1220	MR. PAWAN KUMAR UPADHYAY	Asst. Prof. (II)	B.Sc.(2000), M.Sc.(2002), M.Tech.(2005).	10-APR-06
72	JIIT1423	MR. DHANALEKSHMI G.	Asst. Prof. (II)	B.Tech. (1995), M.Tech. (2002)	10-JUL-10
73	JIIT1773	MS. BINDU VERMA	Asst. Prof. (II)	B.Tech(2012), M.Tech(2015)	10-AUG-17
74	JIIT1741	MS. AMARJEET KAUR	Asst. Prof. (II)	B.E(2005), M.Tech(2010)	06-FEB-17
75	JIIT1742	MS. MRADULA SHARMA	Asst. Prof. (II)	B.Tech(2007), M.Tech(2012)	06-FEB-17
76	JIIT1366	MR. K. VIMAL KUMAR	Asst. Prof. (II)	BE(2004), ME(2007)	15-JUL-09
77	JIIT1135	MS. ARTI JAIN	Asst. Prof. (II)	B.Sc.(1998), MCA(2002). MS	2-JUL-04
78	JIIT1504	MR. SANTOSH KUMAR VERMA	Asst. Prof. (II)	B.TECH.(2004), M.TECH. (2009), Ph.D. (Pursuing)	26-DEC-11
79	JIIT1408	MS. MEGHA RATHI	Asst. Prof. (II)	B.Tech.(2005), M.Tech. (2010)	5-JUL-10
80	JIIT1604	MR. PRASHANT KAUSHIK	Asst. Prof. (II)	B.Tech. (2003), M.Tech. (2008)	1-OCT-13
81	JIIT1501	MS. ANUBHUTI RODA MOHINDRA	Asst. Prof. (II)	B.Tech.(2007), MS (2008)	2-JAN-12
82	JIIT1514	MS. AMBALIKA SARKAR	Asst. Prof. (II)	B.Tech.(2006), M.Tech. (2010)	02-JUL-12
83	JIIT1518	MR. GAURAV KUMAR NIGAM	Asst. Prof. (II)	B.Tech.(2005), M.Tech. (2009)	02-JUL-12
84	JIIT1515	MS. AMANPREET KAUR	Asst. Prof.(II)	B.Tech.(2006), M.Tech. (2009)	10-JUL-12
85	JIIT1619	MR. RAVINDER AHUJA	Asst. Prof. (II)	B.Tech.(2005), M.Tech. (2011)	23-JUL-14
86	JIIT1530	MR. PULKIT MEHNDIRATTA	Asst. Prof. (II)	B.Tech.(2010), M.Tech. (2012)	20-JUL-12
87	JIIT1497	MR. HIMANSHU AGRAWAL	Asst. Prof. (II)	BE (2007), M.TECH.(2011)	10-DEC-11
88	JIIT1538	MS. ANURADHA GUPTA	Asst. Prof. (II)	B.Tech.(2008), M.Tech. (2012)	19-NOV-12
89	JIIT1541	MR. SUDHANSHU KULSHRESTHA	Asst. Prof. (II)	B.Tech.(2009), M.Tech. (2011)	04-DEC-12
90	JIIT1548	MR. HIMANSHU MITTAL	Asst. Prof. (II)	B.Tech.(2010), M.Tech. (2012)	14-FEB-13
91	JIIT1550	MR. RAJU PAL	Asst. Prof.(II)	B.Tech.(2009), M.Tech. (2012)	15-FEB-13
92	JIIT1546	MS. ARPITA JADHAV BHATT	Asst. Prof. (II)	B.E. (2008), M.E. (2010)	18-FEB-13
93	JIIT1554	MS. SHARDHA PORWAL	Asst. Prof. (II)	Diploma-IT (2004), B.Tech. (2007), M.Tech. (2012)	25-FEB-13
94	JIIT1557	MS. SAKSHI AGARWAL	Asst. Prof. (II)	B.Tech.(2010), M.Tech. (2012)	11-MAR-13
95	JIIT1573	MS. ADITI SHARMA	Asst. Prof. (II)	B.Tech. (2011), M.Tech. (2013)	08-JUL-13
96	JIIT1575	MS. ANKITA	Asst. Prof. (II)	B.Tech. (2011), M.Tech. (2013)	08-JUL-13
97	JIIT1579	MS. SOMYA JAIN	Asst. Prof. (II)	B.Tech. (2010), M.Tech. (2013)	08-JUL-13
98	JIIT1582	MR. MAHENDRA KUMAR GURVE	Asst. Prof. (II)	B.E (2010), M.Tech. (2013)	11-JUL-13
99	JIIT1570	MS. PARUL AGARWAL	Asst. Prof. (II)	B.Tech. (2010), M.Tech. (2012)	08-JUL-13
100	JIIT1587	MR. BANSIDHAR JOSHI	Asst. Prof. (II)	B.Tech. (2009), M.Tech. (2011)	12-JUL-13
101	JIIT1569	MS. AKANKSHA MEHNDIRATTA	Asst. Prof. (II)	Dual Degree (B.Tech.-M. Tech.)-(2013)	09-JUL-13
102	JIIT1600	MR. AVINASH CHANDRA PANDEY	Asst. Prof. (II)	B.Tech. (2007), M.Tech. (2012)	09-SEP-13
103	JIIT1606	MS. KRITIKA RANI	Asst. Prof.(II)	Diploma in CSE (2008), B.Tech. (2011), M.Tech. (2013)	26-DEC-13
104	JIIT1663	MS. VARSHA GARG	Asst. Prof. (II)	B.Tech. (1992), M.Tech. (2010)	15-JAN-15
105	JIIT1716	MS. SHERRY GARG	Asst. Prof. (II)	B.Tech(2008),M.E(2011)	03-AUG-16
106	JIIT1807	DR. RASHMI KUSHWAH	Asst. Prof. (II)	B.Tech. (2006), M.Tech. (2009), Ph.D (2018)	16-JUN-18

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
107	JIIT1812	MS. SONAL	Asst. Prof. (II)	BE (2011), M.Tech. (2013), Ph.D. (Pursuing)	20-JUN-18
108	JIIT1830	MR. VIKAS HASSIJA	Asst. Prof. (II)	BE (2010), M.Tech. (2014), Ph.D. (Pursuing)	16-JUL-18
109	JIIT1692	MR. ASHISH KUMAR TRIPATHI	Asst. Prof. (II)	B.Tech. (2010), M.Tech. (2013), Ph.D. (Pursuing)	04-JAN-16
110	JIIT1694	MR. PRANTIK BISWAS	Asst. Prof. (II)	B.Tech. (2010), M.Tech. (2015)	08-JAN-16
111	JIIT1696	MR. SHARIQ MURTUZA	Asst. Prof. (II)	B.Tech. (2013), M.Tech. (2015)	09-JAN-16
112	JIIT1783	MS.DEEPTI	Asst. Prof. (II)	B.Tech. (2011), M.Tech. (2014)	21-SEP-17
113	JIIT1772	MR. RUPESH KUMAR KOSHARIYA	Asst. Prof. (I)	B.E(2012), M.TECH(2015)	16-AUG-17
114	JIIT1769	MR. SARISHTY GUPTA	Asst. Prof. (I)	B.Tech(2013), M.Tech.(2016)	03-AUG-17
115	JIIT 1774	MR. ANURAG GOEL	Asst. Prof. (I)	B.Tech(2012), M.Tech.(2017)	10-AUG-17
116	JIIT1574	MR. ROHIT PAL SINGH	Asst. Prof. (I)	B.Tech. (2011), MS (2013)	08-JUL-13
117	JIIT1300	MS. PURTI KOHLI	Asst. Prof. (I)	B.Sc.(1998), MCA (2000), M.Phil. (2008)	01-FEB-08
118	JIIT1667	MR. KASHAV AJMERA	Asst. Prof. (I)	B.E. (2011), M.Tech. (2014)	30-JAN-15
119	JIIT1691	MS. KIRTI AGGARWAL	Asst. Prof. (I)	B.Tech. (2011), M.Tech. (2013)	01-JAN-16
120	JIIT1827	MS. RUBY RANI	Asst. Prof. (I)	B.Tech. (2012), M.Tech. (2015), Ph.D (PURSUING)	17-JUL-18
121	JIIT1828	MS. PUSHP	Asst. Prof. (I)	B.Tech. (2012), M.Tech. (2015), Ph.D (PURSUING)	09-JUL-18
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING					
122	JIIT1050	DR. SAMIR DEV GUPTA	Prof.	BE(1977), M.Tech.(1984), MSc..(1994). Ph.D.(2012).	29-NOV-02
123	JIIT1627	DR. SHWETA SRIVASTAVA	Prof.	B.Tech. (1998), Ph.D. (2002)	18-JUL-14
124	JIIT1412	DR. VIKRAM KARWAL	Asso. Prof.	B.Tech. (2001), MS (2006), Ph.D. (2009)	28-JUN-10
125	JIIT1460	DR. JITENDRA MOHAN	Asso. Prof.	B.Tech. (2001), M.Tech. (2005), Ph.D. (2011)	1-JUL-11
126	JIIT1443	DR. SAJAI VIR SINGH	Asso. Prof.	BE (1998), ME(2002), Ph.D. (2011)	3-JAN-11
127	JIIT1321	DR. VIVEK KUMAR DWIVEDI	Asso. Prof.	BE(2003), ME(2006), Ph.D. (2012)	01-JUL-08
128	JIIT1154	DR. VINEET KHANDELWAL	Asso. Prof.	BE(1999), M.Tech.(2003), Ph.D. (2014)	4-OCT-04
129	JIIT1674	DR. ABHINAV GUPTA	Asso. Prof.	B.Tech.(2000), M.Tech. (2004), Ph.D. (2013)	1-JUN-15
130	JIIT1118	DR. ASHISH GOEL	Asso. Prof.	B.Tech.(2002), M.Tech.(2005). Ph.D.(2013).	5-JAN-04
131	JIIT1186	DR. VIJAY KHARE	Asso. Prof.	BE(1998), M.Tech.(2000), Ph.D. (2013)	15-JUL-05
132	JIIT1269	DR. JASMINE SAINI	Asso. Prof.	BE(2000), ME(2004), Ph.D. (2014)	30-DEC-06
133	JIIT1555	DR. BHARTENDU CHATURVEDI	Asso. Prof.	B.Tech. (2005), M Tech. (2008), Ph.D. (2014)	23-FEB-13
134	JIIT1602	DR. MEGHA AGARWAL	Asso. Prof.	B.Tech. (2007), M.Tech. (2009), Ph.D. (2013)	21-SEP-13

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
135	JIIT1405	DR. ALOK JOSHI	Asso. Prof.	B.Tech. (2001), M Tech. (2006), Ph.D. (2014)	12-JUL-10
136	JIIT1291	DR. RICHA GUPTA	AP (SG)	BE(2003), M.Tech.(2005). Ph.D. (2013)	16-AUG-07
137	JIIT1216	DR. RAJESH KUMAR DUBEY	AP (SG)	B.Tech.(1999), M.Tech.(2002), Ph.D.(2014)	18-FEB-06
138	JIIT1060	DR. SHAMIM AKHTER	AP (SG)	B.Tech.(2001), M.Tech. (2002), Ph.D. (2015)	7-APR-03
139	JIIT1500	DR. MADHU JAIN	AP (SG)	BE (2003), M.Tech.(2009), Ph.D. (2015)	4-JAN-12
140	JIIT1283	DR. RAHUL KAUSHIK	AP (SG)	B.Sc.(1998), B.Tech.(2001), M.Tech.(2003).	5-JUL-07
141	JIIT1027	DR. PANKAJ KUMAR YADAV	AP (SG)	Diploma Engg.(1994), AMIETE(1999), M.Tech.(2001) PH.D(2016)	15-JUL-02
142	JIIT1765	DR. BAJRANG BANSAL	AP (SG)	B.Tech (2005), M.Tech(2008),Ph.D(2017)	25-JUL-17
143	JIIT1762	DR. KULDEEP BADERIA	AP (SG)	B.Tech (2008), M.Tech(2011), Ph.D(2016)	24-JUL-17
144	JIIT1751	DR. ARCHANA PANDEY	AP (SG)	B.Tech (2010), M.Tech(2012), Ph.D(2017)	8-JUL-17
145	JIIT1761	DR ASHISH GUPTA	AP (SG)	B.Tech (2008), M.Tech(2010), Ph.D(2017)	24-JUL-17
146	JIIT1754	DR.DHARMENDRA KUMAR JHARIYA	AP (SG)	B.Tech (2009), M.Tech(2011), Ph.D(2017)	14-JUL-17
147	JIIT1753	DR.VIMAL KUMAR MISHRA	AP (SG)	B.Tech(2009),M.Tech(2012) PH.D(2017)	14-JUL-17
148	JIIT1399	DR. SATYENDRA KUMAR	AP (SG)	BE(1998), M.Tech.(2002),Ph.D (2018)	16-JAN-10
149	JIIT1419	DR. KAPIL DEV TYAGI	AP (SG)	Diploma - EC (2000), B.Tech. (2003), M.Tech. (2010),PH.D(2016)	1-JUL-10
150	JIIT1798	DR.ANAND AGRAWAL	AP (SG)	B.Tech. (2008), M.Tech. (2010), PH.D(2018)	3-JAN-18
151	JIIT1678	DR. PARUL PURI	AP (SG)	B.Tech. (2008), M.Tech. (2012), Ph.D. (2016)	7-AUG-15
152	JIIT1682	DR. GARIMA KAPUR	AP (SG)	B.E (2006), M.Tech. (2009). Ph.D. (2016)	1-SEP-15
153	JIIT1764	DR. KAUSHAL KUMAR NIGAM	AP (SG)	B.Tech(2009),M.Tech(2011), Ph.D (2018)	20-JUL-17
154	JIIT1233	DR.. KIRMENDER SINGH	AP (SG)	B.E(1994), M.Tech.(2009), Ph.D(2018)	1-JUL-04
155	JIIT1183	DR. REEMA BUDHIRAJA	AP (SG)	BE(2002), ME(2005), Ph.D (2018)	15-JUL-05
156	JIIT1795	DR.ANURADHA	AP (SG)	B.Tech. (2004), M.Tech. (2010), PH.D(2018)	2-JAN-18
157	JIIT1326	DR. SHRUTI KALRA	AP (SG)	B.Tech.(2005), M.Tech.(2007), Ph.D (2018)	01-AUG-08

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
158	JIIT1814	DR. DHARMENDRA SADHWANI	AP (SG)	B.Tech.(2007), M.Tech.(2013), Ph.D (2018)	18-JUN-18
159	JIIT1817	DR. EKTA GOEL	AP (SG)	B.Tech. (2009), M.Tech. (20013), Ph.D (2018)	16-JUN-18
160	JIIT1821	DR.PARUL ARORA	AP (SG)	B.Tech.(2005), M.Tech.(2008), Ph.D (2018)	18-JUN-18
161	JIIT1826	DR.SAURABH CHATURVEDI	AP (SG)	B.Tech.(2007), M.Tech.(2019), Ph.D (2018)	16-JUN-18
162	JIIT1819	DR. ATUL KUMAR	AP (SG)	B.Tech.(2003), M.Tech.(2010), Ph.D (2018)	16-JUN-18
163	JIIT1585	MR. GAURAV VERMA	AP (SG)	B.Tech. (2005), M.Tech. (2012), Ph.D (2018)	15-JUL-13
164	JIIT1820	DR. HEMANT KUMAR	AP (SG)	B.Tech. (2009), M.Tech. (2011), PH.D (2018)	19-JUN-18
165	JIIT1566	MR. ABHISHEK KASHYAP	AP (SG)	B.Tech. (2009), M.Tech. (2013)	8-JUL-13
166	JIIT1816	DR.GOPAL RAWAT	AP (SG)	B.Tech. (2011), M.Tech. (2013), PH.D (2018)	16-JUN-18
167	JIIT1231	MS. ATUL KUMAR SRIVASTAVA	Asst. Prof. (II)	B.Tech.(1998), MS(2002).	8-JUL-06
168	JIIT1083	MS. BHAWNA GUPTA	Asst. Prof. (II)	B.Tech.(2001), M.Tech.(2003).	1-JAN-04
169	JIIT1075	MS. SMRITI BHATNAGAR	Asst. Prof. (II)	B.Tech,.(1990),ME(1994)	1-JUL-03
170	JIIT1763	MR. YOGESH KUMAR	Asst. Prof. (II)	B.E(2009),M.Tech(2013)	19-JUL-17
171	JIIT1770	MR. AMIT KUMAR GOYAL	Asst. Prof. (II)	B.Tech(2013), M.Tech(2014)	4-AUG-17
172	JIIT1362	MS. NEETU SINGH	Asst. Prof. (II)	B.Tech.(2006), M.Tech.(2008)	6-JUL-09
173	JIIT1360	DR. JUHI	Asst. Prof. (II)	B.E.(2005), M.E.(2008), PH.D (2018)	06-JUL-09
174	JIIT1424	MR.B. SURESH	Asst. Prof. (II)	B.Tech,. (2006), M.Tech. (2010)	9-JUL-10
175	JIIT1567	MS. MONIKA	Asst. Prof. (II)	B.Tech (2004), M.Tech (2010), PH.D (PURSUING)	8-JUL-13
176	JIIT1549	MR. VINAY ANAND TIKKIWAL	Asst. Prof. (II)	B.E. (2005), M.S. (2012)	14-FEB-13
177	JIIT1521	MS. PRIYANKA KWATRA	Asst. Prof. (II)	B.Tech. (2009), M.Tech. (2012)	3-JUL-12
178	JIIT1689	MR. MANDEEP SINGH NARULA	Asst. Prof. (II)	B.Tech. (2005), M.Tech. (2008)	29-OCT-15
179	JIIT1520	MR. VISHAL NARAIN SAXENA	Asst. Prof. (II)	B.Tech. (2009), M.Tech. (2011)	4-JUL-12
180	JIIT1519	MS. SHRADHA SAXENA	Asst. Prof. (II)	B.Tech. (2007), M.Tech. (2012)	9-JUL-12
181	JIIT1565	MR. ANKUR BHARDWAJ	Asst. Prof. (II)	B.Tech. (2011), M.Tech. (2013)	9-JUL-13
182	JIIT1581	MS. SUMEGHA YADAV	Asst. Prof. (II)	B.Tech. (2010), M.Tech. (2013)	11-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	JIIT1638	MS. RUBY BENIWAL	Asst. Prof.(II)	Diploma-ECE (200), B.Tech. (2007), M.Tech. (2011)	16-AUG-14
187	JIIT1662	MS. JYOTI VYAS	Asst. Prof. (II)	B.E. (2006), M.Tech. (2009)	8-JAN-15
188	JIIT1679	MR.VARUN GOEL	Asst. Prof. (II)	B.Tech. (2011), M.Tech. (2014)	14-AUG-15

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
189	JIIT1690	MR. ABHAY KUMAR	Asst. Prof. (II)	B.Tech. (2010), M.Tech. (2014)	2-NOV-15
190	JIIT1815	MR. AJAY KUMAR	Asst. Prof. (II)	B.Tech. (2009), M.Tech. (2014), PH.D (PURSUING)	16-JUN-18
191	JIIT1816	DR.GOPAL RAWAT	Asst. Prof. (II)	B.Tech. (2011), M.Tech. (2013), PH.D (2018)	16-JUN-18
192	JIIT1818	DR. BHAGIRATH SAHU	Asst. Prof. (II)	B.Tech. (2011), M.Tech. (2013), PH.D (2018)	19-JUN-18
193	JIIT1822	DR. NEETU JOSHI	Asst. Prof. (II)	B.Tech. (2006), M.Tech. (2009), PH.D (2018)	18-JUN-18
194	JIIT1738	MR. RAGHVENDA	Asst. Prof. (II)	B.Tech (2012), M.Tech (2014)	20-JAN-17
195	JIIT1835	MS. MADHU JHARIYA	Asst. Prof. (I)	B.Tech. (2009), M.Tech. (2014)	21-AUG-18
196	JIIT1836	MR. NITESH KUMAR	Asst. Prof. (I)	B.Tech. (2012), M.Tech. (2016)	21-AUG-18
197	JIIT1837	MR. VIMAL SAINI	Asst. Prof. (I)	B.Tech. (2015), M.Tech. (2018)	21-AUG-18
198	JIIT1838	MR. DEEPAK KUMAR	Asst. Prof. (I)	B.Tech. (2015), M.Tech. (2018)	21-AUG-18
199	JIIT1839	MR. CHANDAN KUMAR	Asst. Prof. (I)	B.Tech. (2014), M.Tech. (2018),	21-AUG-18
200	JIIT1840	MR. PRABHAKAR JHA	Asst. Prof. (I)	B.Tech. (2014), M.Tech. (2016), PH.D (PURSUING)	21-AUG-18
201	JIIT1841	MR. RAHUL KUMAR	Asst. Prof. (I)	B.Tech. (2013), M.Tech. (2018)	21-AUG-18
DEPARTMENT OF MATHEMATICS					
202	JIIT1013	DR. ALKA TRIPATHI	Prof.	B.Sc.(1988), M.Sc.(1990), , Ph.D.(1995).	17-SEP-01
203	JIITC907	DR. RAMESH CHAND MITTAL	Prof.	B.Sc (1973), M.Sc (1975), Ph.D (1979)	2-JUL-18
204	JIIT1285	DR. AMRISH KUMAR AGGARWAL	Prof.	B.Sc.(1987), M.Sc.(1989), B.Ed.(1990), M.Phil.(1992) PGDCA(1993)Ph.D.(2006)	4-JUL-07
205	JIIT1282	DR. BHAGWATI PRASAD CHAMOLA	Prof.	B.Sc.(1988), M.Sc.(1990), NET(1999), M.Phil.(2001), Ph.D.(2006)	8-JUN-07
206	JIIT1176	DR.SANJEEV SHARMA	Asso. Prof.	B.Sc.(1992), M.Sc.(1994), , Ph.D(2000)	25-JUN-05
207	JIIT1325	DR. LOKENDRA KUMAR	Asso. Prof.	B.Sc.(1997), M.Sc.(1999), Ph.D.(2004)	25-JUL-08
208	JIIT1421	DR. AMIT SRIVASTAVA	Asso. Prof.	B.Sc.(1996), M.Sc.(1998). Ph.D. (2008)	29-JUN-10
209	JIIT1444	DR. PATO KUMARI	Asso. Prof.	B.Sc.(2003), M.Sc.(2005), M.Phil.(2007), Ph.D.(2010)	1-JAN-11
210	JIIT1476	DR. PANKAJ KUMAR SRIVASTAVA	AP (SG)	B.Sc.(1995), M.Sc.(1999). Ph.D. (2010)	1-JUL-11
211	JIIT1594	DR. DINESH CHANDRA SINGH BISHT	AP (SG)	B.Sc.(2002), M.Sc.(2004), Ph.D.(2009)	8-AUG-13
212	JIIT1608	DR. ANUJ BHARDWAJ	AP (SG)	B.Sc.(1998), M.Sc.(2000), Ph.D.(2011).	28-DEC-13

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
213	JIIT1601	DR. YOGESH GUPTA	AP (SG)	B.Sc.(1996), M.Sc.(1998), Ph.D.(2012).	19-SEP-13
214	JIIT1605	DR. PUNEET RANA	AP (SG)	B.Sc.(2006), M.Sc.(2008), Ph.D.(2013).	23-NOV-13
215	JIIT1664	DR. LAKHVEER KAUR	AP (SG)	B.Sc.(2006), M.Sc.(2008), Ph.D.(2013).	19-JAN-15
216	JIIT1727	DR.HIMANSHU AGARWAL	Asst. Prof. (II)	B.SC (2007), M.SC(2009), PH.D(2015)	10-SEP-16
217	JIIT1803	DR. SUDHAKAR	Asst. Prof. (II)	B.Sc.(2005), M.Sc.(2007), Ph.D.(2014).	14-JUN-18
218	JIIT1804	DR. PINKEY CHAUHAN	Asst. Prof. (II)	B.Sc.(2004), M.Sc.(2006), Ph.D.(2013).	06-JUN-18
219	JIIT1805	DR. AMITA BHAGAT	Asst. Prof. (II)	B.Sc.(2004), M.Sc.(2006), Ph.D.(2015).	25-JUN-18
220	JIIT1806	DR. NEHA AHLAWAT	Asst. Prof. (I)	B.Sc.(2007), M.Sc.(2010), Ph.D.(2017).	11-JUN-18
221	JIIT1823	DR. ANUJ KUMAR	Asst. Prof. (I)	B.Sc.(2007), M.Sc.(2009), Ph.D.(2017).	14-JUN-18
DEPARTMENT OF PHYSICS AND MATERIAL SCIENCE & ENGINEERING					
222	JIIT1003	DR. D.K. RAI	Dean (A&R)	B.Sc.(1986), M.Sc.(1988), Ph.D.(1994).	2-MAY-01
223	JIITC902	DR. S. C. KATYAL	Prof.	B.Sc.(1973), M.Sc.(1975), Ph.D.(1981).	1-JAN-11
224	JIIT1039	DR. ANIRBAN PATHAK	Prof.	B.Sc.(1996), M.Sc.(1998), Ph.D.(2002).	5-AUG-02
225	JIIT1166	DR. S.P PUROHIT	Prof.	B.Sc.(1984), M.Sc.(1986), Ph.D.(1992).	22-FEB-05
226	JIIT1188	DR. RAKESH KUMAR DWIVEDI	Prof.	B.Sc.(1985), M.Sc.(1989), M.Tech.(1994), Ph.D.(1999).	28-JUL-05
227	JIIT1131	DR. NAVNEET KUMAR SHARMA	Asso. Prof.	B.Sc.(1995), M.Sc.(1997), Ph.D.(2004).	15-JUN-04
228	JIIT1182	DR. PAPIA CHOWDHURY	Asso. Prof.	B.Sc.(1996), M.Sc.(1999), Ph.D.(2005).	11-JUL-05
229	JIIT1227	DR. NAVENDU GOSWAMI	Asso. Prof.	B.Sc.(1996), B.Ed.(1997), M.Sc.(1999), Ph.D.(2006).	19-JUN-06
230	JIIT1564	DR. VIKAS MALIK	Asso. Prof.	B.Sc.(1996), M.Sc.(1998), Ph.D.(2005)	8-JUL-13
231	JIIT1314	DR. VIVEK SAJAL	Asso. Prof.	B.Sc.(1997), M.Sc.(1999), CSIR-UGC (NET) JRF (2001), Ph.D.(2008), GATE-2002	07-JUL-08
232	JIIT1368	DR. MANOJ KUMAR	Asso. Prof.	B.Sc.(2001), M.Sc.(2003), Ph.D.(2008)	09-JUL-09
233	JIIT1395	DR. SUNEET KUMAR AWASTHI	Asso. Prof.	B.Sc.(1998), M.Sc.(2003), Ph.D.(2007)	07-JAN-10
234	JIIT1406	DR. SANDEEP CHHOKER	Asso. Prof.	B.Sc.(1999), M.Sc.(2003), Ph.D.(2010)	13-JUL-10
235	JIIT1496	DR. ALOK PRATAP SINGH CHAUHAN	AP (SG)	B.Tec(2002), M.S.(2005), Ph.D.(2007)	09-DEC-11

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
236	JIIT1257	DR. AMIT VERMA	AP (SG)	B.Sc.(1997), M.Sc.(1999), M.Tech.(2003). PH.D. (2010)	21-SEP-04
237	JIIT1503	DR. PRASHANT KUMAR CHAUHAN	AP (SG)	B.Sc.(1997), M.Sc.(1999), M.Tech.(2000). PH.D. (2008)	03-JAN-12
238	JIIT1474	DR. BHUBESH CHANDER JOSHI	AP (SG)	B.Sc.(2002), M.Sc. (2004),Ph.D.(2010)	07-JUL-11
239	JIIT1531	DR. SWATI RAWAL	AP (SG)	B.Sc.(2004), M.Sc. (2006),Ph.D.(2011)	23-JUL-12
240	JIIT1499	DR. ANSHU D. VARSHNEY	AP (SG)	B.Sc.(1998), M.Sc. (2000),Ph.D.(2010)	17-DEC-11
241	JIIT1777	DR. ANURAJ PANWAR	AP (SG)	B.Sc (2000), M.Sc.(2002), M.PHIL (2004),Ph.D.(2010)	21-AUG-17
242	JIIT1729	DR. HIMANSHU PANDEY	AP (SG)	B.Sc.(2004), M.Sc. (2006),Ph.D.(2015)	01-OCT-16
243	JIIT1776	DR.DINESH TRIPATHI	Asst. Prof. (II)	M.Tech(2011) Ph.D(2015)	16-08-2017
244	JIIT1829	DR. ANUJ KUMAR	Asst. Prof. (II)	B.Sc.(2004), M.Sc. (2006),Ph.D.(2014)	11-JUN-18
245	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					
246	JIIT1205	DR. MUKTA MANI	Asso. Prof.	B.Sc.(1998), 'O' Level Diploma(1998), MBA(2000), DBF(2002), UGC-NET(2002), Ph.D.(2010).	5-OCT-05
247	JIIT1163	DR. SANTOSHI SEN GUPTA	Asso. Prof.	BBM(2002), MBA(2003), Ph.D.(2011)	31-JAN-05
248	JIIT1721	DR.MONALI BHATTACHARY	Asso. Prof.	BA (1998), MA(2000), Ph.D(2008)	24-AUG-16
249	JIIT1422	DR. AMBA AGARWAL	AP (SG)	BA (1993), MA (1995), Ph.D. (2003)	5-JUL-10
250	JIIT1446	DR. NILU CHOUDHARY	AP (SG)	BA (1983), MA (1985), B.Ed. (1991),Ph.D. (2000)	11-JAN-11
251	JIIT1483	DR. RUCHI GAUTAM	AP (SG)	B.Sc. (H) (2002), M.Sc.(2004), UGC-NET(2003), Ph.D.(2011)	25-JUN-11
252	JIIT1461	DR. SAKSHI VARSHNEY	AP (SG)	B.Com.(2001), M.Com. (2003), Ph.D. (2009), MBA (Pursuing)	01-JUL-11
253	JIIT1130	DR. BADRI BAJAJ	AP (SG)	B.Sc.(1996), MBA(1999). Ph.D.(2013).	1-APR-04
254	JIIT1047	DR. SANTOSH DEV	AP (SG)	BA(1976), B.Ed.(1980), M.A.(1981), PGCTE(1984), PGDHRM(2007). Ph.D. (2013)	24-OCT-02
255	JIIT1327	DR. SWATI SHARMA	AP (SG)	BA(1993), PGDBM(1998), Ph.D. (2013)	18-JUL-08
256	JIIT1359	DR. SHIRIN ALAVI	AP (SG)	B.Com.(2000), Master in Int. Business(2002), Ph.D. (2013)	04-JUL-09
257	JIIT1361	DR. MONICA CHAUDHARY	AP (SG)	BA(2001), MA(2003), PGDM(2004), M.Phil.(2009), Ph.D. (2013)	06-JUL-09

SL	EMP. CODE	FACULTY NAME	CURRENT DESIGNATION	QUALIFICATION	DOJ
258	JIIT1470	DR. KANUPRIYA MISRA BAKHRU	AP (SG)	B.Tech.(2005), MBA(2009), Ph.D.(2015)	01-JUL-11
259	JIIT1290	MR. MANAS RANJAN BEHERA	Asst. Prof. (II)	B.Sc.(1999), M.Sc.(2001), Ph.D.(Pursuing).	11-AUG-07
260	JIIT1328	MS. PUNEET PANNU	Asst. Prof. (II)	BA(1989), MA(1991), B.Ed. (1993), MBA(2000)	12-AUG-08
261	JIIT1364	MS. ANSHU BANWARI	Asst. Prof. (II)	B.E.(2003), MBA(2005)	06-JUL-09
262	JIIT1471	DR. PRAVEEN KUMAR SHARMA	Asst. Prof. (II)	BBA(2004), MBA(2008), M.Phil.(2009), Ph.D ()	24-JUN-11
263	JIIT1472	DR. DEEPAK VERMA	Asst. Prof. (II)	B.Sc. (1997), MBA (1999), Ph.D. (2015)	09-JUL-11
264	JIIT1684	DR. EKTA SRIVASTAVA	Asst. PROF (II)	BA (2000), MA(2002), Ph.D.(2007)	16-SEP-15
JAYPEE BUSINESS SCHOOL					
265	JIIT1349	PROF. GOPAL KRISHNA AGARWAL	Prof.	B.Com.(1974), ICA(1978), CS(1980), CWA(1983)	22-APR-09
266	JIIT1495	PROF. RAJNISH KUMAR MISRA	Prof.	BA (1991), M. Psy. HRDM (1999), Ph.D. (2001)	17-OCT-11
267	JIITC909	PROF. SHANTANU KUMAR BISWAS	Prof.	B.Sc (1979), LLB (2002, Ph.D (2018)	20-SEP-18
268	JIIT1384	DR. MOONIS SHAKEEL	Asso. Prof.	BA (2002), MA(2004), Ph.D.(2009)	5-NOV-09
269	JIIT1289	DR. RAHUL SHARMA	Asso. Prof.	B.Com.(1999), M.Com. (2002), Ph.D.(2009), PGDIM(Pursuing)	4-AUG-07
270	JIIT1294	DR. S. SURESH	AP (SG)	BE(1992), PGDM(1995), Ph.D. (2013)	4-DEC-07
271	JIIT1403	DR. SUJATA KAPOOR	AP (SG)	B.Com.(2002), M.Com. (2004), MBA(2004), Ph.D (2010)	16-JUN-08
272	JIIT1789	MR.KALYAN ASHIS SAMADDAR	Asst. Prof. (II)	BE(1995), M.E. (1997), MBA(2014)	18-SEP-17
273	JIIT1562	MR. SHRIRAM ANIL PURANKAR	Asst. Prof. (II)	BE (2004), MBA (2011)	14-JUN-13

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
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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 2018 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 OTHER IRREGULARITIES; SELECTION AND APPLICATION OF APPROPRIATE ACCOUNTING POLICIES; MAKING JUDGMENTS IN THE ESTIMATES THAT ARE REASONABLE AND PRUDENT; AND DESIGN,

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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 THE PURPOSE OF EXPRESSING AN OPINION ON THE EFFECTIVENESS OF THE ENTITY'S INTERNAL CONTROL. AN AUDIT ALSO INCLUDES EVALUATING THE APPROPRIATENESS OF

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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 2018; 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.

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;

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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. 090503

DATE : 03/10/2018
PLACE: NEW DELHI

JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY , SOCIETY (REGD)
63,BASANT LOK , VASANT VIHAR, NEW DELHI-110057

BALANCE SHEET AS ON 31ST MARCH, 2018

AMOUNT (Rs) 31.03.2017	LIABILITIES	SCH		AMOUNT (Rs) 31.03.2018	AMOUNT (Rs) 31.03.2017	ASSETS	SCH		AMOUNT (Rs) 31.03.2018
5,00,00,000	**CORPUS FUND**					**FIXED ASSETS**			
	OPENING BALANCE:		5,00,00,000						
	ADD:TRANSFER FROM GENERAL FUND		10,00,00,000	15,00,00,000	2,90,07,91,943	GROSS BLOCK		2,94,09,79,035	
	REVALUATION OF ASSETS RESERVE				73,09,63,622	LESS : DEPRECIATION	"A"	92,34,23,525	2,01,75,55,510
18,91,050	OPENING BALANCE		16,08,024		2,16,98,28,321				
2,83,026	LESS : DEPRECIATION DURING THE YEAR ON REVALUED ASSETS		2,40,607	13,67,417					
16,08,024									
	GENERAL FUND					**CURRENT ASSETS, LOANS & ADVANCES**			
96,51,19,331	OPENING BALANCE		1,20,54,46,315						
29,39,25,103	ADD:DEVELOPMENT FEE RECEIVED DURING THE YEAR		30,18,97,866		73,97,63,444	CASH & BANK BALANCE	"B"		75,10,36,686
-	LESS : TRANSFER TO CORPUS FUND		(10,00,00,000)						
(5,35,98,119)	LESS : DEFICIT AS PER INCOME & EXPENDITURE		(5,23,09,561)	1,35,50,34,620					
1,20,54,46,315					2,03,46,123	ADVANCES RECOVERABLE IN CASH OR IN KIND OR VALUE TO BE RECEIVED	"C"		13,26,71,832
	RESEARCH PROJECT GRANTS				1,16,70,195	PREPAID EXPENSES	"D"		1,16,87,289
90,87,859	OPENING BALANCE		38,11,302						
90,29,890	ADD : RECEIVED DURING THE YEAR		1,73,49,301		9,71,645	SECURITY DEPOSIT	"E"		11,66,429
(1,43,06,446)	LESS : UTILISED/REFUNDED DURING THE YEAR		(1,32,16,561)	79,44,042					
38,11,302					58,48,629	STOCK-IN-HAND	"F"		77,66,955
	SECURED LOANS								
79,29,95,236	FROM YES BANK, NEW DELHI (REFER NOTE - 3)			76,03,25,224					
20,00,00,000	DEFERRED PAYMENT LIABILITY			20,00,00,000					
	CURRENT LIABILITIES & PROVISIONS								
45,54,57,919	SUNDRY CREDITORS	"G"		15,72,56,373					
19,22,86,761	OTHER LIABILITIES	"H"		24,15,68,485					
	CAUTION MONEY								
4,63,94,500	CURRENT STUDENTS		4,79,69,240						
	(DUE FOR PAYMENT DURING NEXT ONE YEAR RS.2201000/- PREVIOUS YEAR RS.11633500/-)								
4,28,300	EX-STUDENTS / UN-CLAIMED		4,19,300	4,83,88,540					
2,94,84,28,357	TOTAL			2,92,18,84,701	2,94,84,28,357	TOTAL			2,92,18,84,701

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: 090353

PLACE : NEW DELHI
DATE : 03/10/2018

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

(RAJU SANGAL)
REGISTRAR

(ASHISH BANERJEE)
CHIEF FINANCE OFFICER

JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY , NOIDA
(DECLARED AS DEEMED TO BE UNIVERSITY UNDER SECTION 3 OF THE UGC ACT)
(RUN BY JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY SOCIETY, REGD.)

INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2018.

AMOUNT (RS.) 31.03.2017	EXPENDITURE	SCH	AMOUNT (RS.) 31.03.2018	AMOUNT (RS.) 31.03.2017	INCOME	SCH	AMOUNT (RS.) 31.03.2018
16,38,28,594	INSTITUTE EXPENSES	"I"	22,05,17,869	94,19,54,866	COLLECTION FROM STUDENTS	"L"	1,01,09,76,548
45,25,72,108	SALARY & ALLOWANCES	"J"	47,83,93,152	4,73,21,453	INTEREST RECEIVED		5,92,68,261
27,53,72,690	STUDENTS' HOSTEL EXPENSES	"K"	26,56,55,960	65,20,774	OTHER MISC. INCOME		79,43,346
5,95,77,111	INTEREST & FINANCE CHARGES		5,07,23,688	3,20,000	DONATION RECEIVED		-
9,83,64,709	DEPRECIATION		11,52,07,047	99,61,17,093			1,07,81,88,155
-				5,35,98,119	DEFICIT CARRIED OVER TO BALANCE SHEET		5,23,09,561
1,04,97,15,212	TOTAL		1,13,04,97,716	1,04,97,15,212	TOTAL		1,13,04,97,716

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: 090569
PLACE : NEW DELHI
DATE : 03/10/2018

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

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Notes

Notes

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(Declared as Deemed to be University Under Section 3 of UGC Act, 1956)
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Jaypee Institute of Information Technology, Noida At a Glance