

# BROCHURE-2015



**JAYPEE INSTITUTE OF  
INFORMATION TECHNOLOGY**  
(NOIDA, U.P.)  
(Declared Deemed to be University  
u/s 3 of the UGC Act, 1956)



**JAYPEE UNIVERSITY OF  
INFORMATION TECHNOLOGY**  
(WAKNAGHAT, H.P.)  
(Approved by UGC  
u/s 2(f) of the UGC Act, 1956)



**JAYPEE UNIVERSITY OF  
ENGINEERING & TECHNOLOGY**  
(GUNA, M.P.)  
(Approved under UGC Act, 1956)



**JAYPEE UNIVERSITY**  
(ANOOPSHAR, U.P.)  
(Established under Govt. of  
Uttar Pradesh Act No. 8 of 2014)

## Founder Chairman's Message



**“Long before our first dam, years before our first cement plant, we built a free school and hospital. Today they tell us, what we did, is called Corporate Social Responsibility; CSR Spirit of Jaypee Group”**

*The Jaypee Group has always been proud to participate in nation building right from its inception. We feel doubly responsible to make this Group become a bench mark of contribution to the upliftment of society. CSR has become an integral part of everything that we do and same is instilled in our Vision, strategies and management goals.*

*JAIPRAKASH SEWA SANSTHAN (JSS), not-for-profit trust was established in 1993, to bring many a not-for-profit activities of the Group under one common umbrella, in order to give them a unified focus and direction. The Sansthan today spearheads one of the largest altruistic CSR programmes run by any single-entity corporate anywhere in the country.*

*Firmly believing in the famous saying of Nelson Mandela "Education is the most powerful weapon which can be used to change the world" we at Jaypee fully subscribe to the view that Education is the cornerstone to economic development and the strength of Indian masses can be channelized by education alone. The real future of India lies in its thousands of faceless little towns and villages, where millions of boys and girls lie awake at night, dreaming of what could be. And we also believe that the key to unlock those dreams and help them soar is a good education. And therefore, the Jaypee Group, through its trust, opened large number of schools, polytechnic colleges and institutes of higher learning, teaching upto around 35,000 student's under its wings. These institutions of learning host the best of faculty and educational infrastructure towards creation, generation, dissemination and application of knowledge through an innovative teaching - learning process to mould the leaders of tomorrow.*

*All the institutions of higher learning aim at building character sharpen intellect and enable free thinking amongst the students and provide them opportunity to become innovative and enterprising professionals fully capable of meeting the challenges of modern India.*

*Best wishes to our students.*

*Jaiprakash Gaur*

# Jaypee Institute of Information Technology (JIIT), Noida, U.P.

## PROGRAMS OF STUDY

### Undergraduate (4 Years)

B.Tech - Biotechnology, CSE, ECE and IT

**Integrated B. Tech-M.Tech- Degree (5 Years)**

B.Tech - M.Tech- Biotechnology, CSE and ECE



## Post Graduate (2 Years)

### M.Tech

*Applied & Computational Mathematics, Biotechnology, CSE, CSE with specialization in Information Security, CSE with specialization in Mobile Technology, Data Analytics, ECE with specialization in Communication Systems, ECE with Specialization in Micro Electronics Systems & Embedded Technology, Information Technology & Entrepreneurship and Materials Science & Engineering.*

### MBA

*Functional electives in Marketing, HR, Finance and Operations besides industrial electives in ICT, Financial Services, IB etc.*

## Ph.D

*Biotechnology, CSE, ECE, Humanities & Social Sciences, Management, Mathematics and Physics & Materials Science and Engineering*

## Student/Faculty Profile

YEAR	STUDENTS	FACULTY
July 2001	250	15
Aug 2014	5125*	250*

\*Of above, 227 are Ph.D scholars; 195 are M.Tech students; 319 are MBA students; and 129 faculty members have Ph.D degree.

## Infrastructural Details

Item(s)	2004	2014
Covered Area (sq.m.)	46,000	148,110
Hostel Seats	872	2664
Computers (PCs)	270	1650
Laboratories (No's)	6	53

## Significant Achievements

- Ranked Best Engineering Institute in Delhi-NCR region in Year 2013 by Hindustan Times Survey and ranks above 62 out of 850 Engineering Colleges surveyed by US based Edu Rand Ranking. JIIT scored 10 on 10 in placement data amongst 225 top institutes which equates with 7 IITs and 5 NITs.
- Experienced faculty with an average of 11.5 years academic experience. Majority faculty from IIT's and other Institutes of repute
- 6730 alumni including 61 Doctoral, 471 M.Tech, and 1042 MBAs
- 16 International Conferences, 333 invited talks, 45 workshops and seminars organized with around 5000 delegates from around the world
- More than 2000 publications, 21 Books and 65 Book Chapters/case studies
- 35 research grants from various government agencies
- Biotechnology Program consistently ranked in top 10 by "Biospectrum"
- Graduating students placement in companies like Google, Microsoft, Intel, Xerox, ORACLE, Amazon, etc. (50 world's top rated R&D oriented companies). Other companies include IBM, Cadence, Capital IQ Cognizant, E&Y, Ericsson, Accenture, Infosys, Wipro, HCL, Jaypee, SAP and others
- Completely networked academic campus

# Jaypee University of Information Technology (JUIT), Waknaghat, H.P.

## PROGRAMS OF STUDY

### Undergraduate (4 Years)

B.Tech - Biotechnology, Bioinformatics,  
Civil, CSE, ECE and IT



## Post Graduate (2 Years)

M.Tech - Applied &  
Computational Mathematics,  
Biotechnology, CSE, Civil Engg-  
Structural Engineering,  
Construction Management, ECE,  
and Environmental Engineering.

## Ph.D

Bioinformatics, Biotechnology, CSE, ECE, Humanities & Social Sciences, Management, Mathematics and Physics & Materials Science.

## Student/Faculty Profile

YEAR	STUDENTS	FACULTY
July 2002	172	12
July 2014	2125*	119*

\*Of above, 146 are Ph.D scholars; 138 are M.Tech students; 28 M. Pharm Students and 79 faculty have Ph.D degrees

## Infrastructural Details

Item(s)	2004	2014
Covered Area (sq.m.)	31,420	73,150
Hostel Seats	500	1800
Computers (PCs)	300	912
Laboratories (No's)	12	56

## Significant Achievements

- Accredited by NAAC (2011) and UG programs of study accredited by NBA (AICTE)-2009. NBA team visited again on 31 Oct-01 Nov, 2014 for re-accreditation
- Experienced faculty with more than 10 years academic experience
- Ranked as the 40th out of 225 top engineering institutions in India by Edu Rand Ranking in May-June 2014
- Member of IUCEE with International Collaborations with Top ranking US and European Universities
- 2678 Alumni including 52 doctoral, and 245 M.Tech
- 10 International Conferences, 150 invited talks, 45 national workshops organized with around 3500 delegates from around the world participating
- More than 2000 publications, 15 Books, and 45 Book Chapters
- 50 research grants from various government agencies
- Biotechnology Program consistently ranked '1' by "Biospectrum"
- Graduating students placement in established organizations such as IBM, Capital IQ Cognizant, E&Y, Ericsson, Amazon, Accenture, Infosys, Wipro, HCL, Jaypee, SAP and others
- Completely networked academic campus

# Jaypee University of Engineering & Technology (JUET), Guna, M.P

## PROGRAMS OF STUDY

### Undergraduate (4 Years)

B. Tech - Chemical, Civil, CSE, ECE and Mechanical



## Post Graduate (2 Years)

M. Tech - CSE, Chemical Engineering, Civil Engineering (Structural Engineering & Geotechnical Engineering), ECE, and Mechanical Engineering (Manufacturing Technology).

## Ph. D

Chemical, Civil, Mechanical, CSE, ECE, Humanities & Social Sciences, Mathematics, Physics and Chemistry.

Student/Faculty Profile

YEAR	STUDENTS	FACULTY
Jul-2003	102	10
Aug-2014	2421*	105*

\*Of the above, 71 are Ph.D scholars; 48 are M. Tech students; and 54 faculty have Ph.D degrees; 51 are IIT/NIT'ians.

## Infrastructural Details

Item(s)	2003	2014
Covered Area (sq.m.)	15000	133000
Hostel Seats	300	2400
Computers (PCs)	30	840
Laboratories (No's)	6	47

## Significant Achievements

- Considered Best Private Engineering University in Madhya Pradesh by EDU RAND
- Experienced faculty with more than 12 years average academic experience.
- 2759 Alumni including 21 doctoral, 140 M. Tech and 260 Diplomas.
- 11 National/International Conferences, 16 National/International workshops organized with around 1600 delegates, 750 papers, 110 invited talks from around the world participating.
- More than 750 publications, 22 Books and Book Chapters.
- Nine research grants from various government agencies.
- Completely networked academic campus.
- Graduating students are placed every year in established organizations such as Capital IQ, Cognizant, E&Y, Ericsson, Amazon, Accenture, Infosys, Wipro, HCL, Jaypee, SAP, Cognizant, Johnson Controls (India) Pvt. Ltd., Kuliza Technologies, Naukri.com, Syntel, CSC India Pvt. Ltd., Continental Automotives, Browser Stack, Minzar, NIRMA Group, JK Cement, Ambuja Cement, JMC, Bosch, L&T, Bridgecon Infra, Supertech, Shobha Developers, Era Construction, APAC Sourcing Solutions Ltd., Kalpataru and others.

# Jaypee University Anoopshahr, Bulandshahr, U.P

## PROGRAMS OF STUDY

Undergraduate (4 Years) - Engineering  
B. Tech - Civil, CSE, ECE, IT and Mechanical



### **About Jaypee University, Anoopshahr**

*Jaypee University at Anoopshahr is an interdisciplinary University established by the act No 8 of 2014 of Govt of UP. As per sanction of the Govt of Uttar Pradesh, received vide its Letter No. 347/Sattar-1-2014-20(4)/2011, the University started functioning in 2014 with B. Tech. programs in five disciplines.*

- The University is located in the hinterland of Uttar Pradesh in serene and pious environment on the banks of holy river Ganges. It is sponsored by Jaiprakash Sewa Sansthan, (JSS), a not-for-profit-trust, and fully backed by the Jaypee Group of Companies.
- Jaypee University, Anoopshahr is shaping students with holistic approach in achieving their lifelong objectives and attempting to produce not only literate and educated manpower but also personalities with ethical and moral values to serve the society in true spirit.
- Carry academic synergy, experience, cooperation and support of three existing Jaypee Universities: JIIT - Noida, JUIT -Waknaghat, and JUET - Guna.
- Fully equipped state-of-art, innovative and modern infrastructure already in place.
- Key infrastructure and resources include well qualified and experience faculty, fully equipped labs, well stocked library, separate hostel for boys and girls, fully networked campus, facilities for indoor and outdoor games and associated utilities for students comfort and providing excellent environment for teaching learning process.
- Existing Training and Placement (T&P) unit of Jaypee Universities shall facilitate placements.
- Well connected by road and rail from all parts of the country.
- First year students admitted from Nine states across the Country.

### **Salient features**

- A new generation interdisciplinary University aiming to produce quality professionals capable of meeting global challenges.
- Set-up in about 80 acres of lush green environment on the banks of holy river Ganges providing serenity and intellectually stimulating environment.

***The University commenced its operation in 2014 and about 200 students are currently studying in various programs. It has more than 15 faculty members, besides a fully developed infrastructure with modern facilities including Hostel for all students.***



# Centres for Learning Excellence

## ***Jaiprakash Centre for Entrepreneurship Development***

Jaiprakash Centre for Entrepreneurship Development is being set up at JIIT to provide a platform to foster innovation activities and motivate, guide and support JIIT students to become technology entrepreneurs. The centre will create and provide a network of experts to mentor students to elaborate, validate and refine innovative ideas for developing socially useful and commercially viable products and services.

## ***JIIT Micro Electro Mechanical Systems (MEMS) Centre***

The Centre for MEMS Design, set-up in year 2009 focuses on collaborative research efforts related to MEMS and smart sensors of the Departments of ECE and Physics and Material Science Engineering. Research areas targeted are RF Spiral Inductor development, SAW based Temperature/Gas Sensor Design and Advanced Smart Materials.

## ***Cement Research and Development Centre (CRDC)***

CRDC at JUET undertakes research in the area of cement with focus on utilization of marginal limestone and waste materials and usage of various industrial wastes as cement additives. The Centre has conducted various short term courses and technical programs for cement industry.

## ***Wind Engineering Application Centre (WEAC)***

A state-of-the-art Boundary Layer Wind Tunnel (BLWT) facility is in an advanced stage of establishment at the JUET campus for providing innovative solutions to problems of industry and undertaking wind engineering research.

## ***Synapse***

Synapse has been created at JIIT to develop and exhibit students' skills ranging from technical, art to cultural form, in the field of Biotechnology & Bioinformatics.



# Research and Development Activities

Several ongoing research projects are being funded by Department of Science & Technology (GOI), Department of Biotechnology (GOI), Ayush (Ministry of Health & Family Welfare, GOI), DRDO, ICMR, Ministry of Environment & Forest, ISRO, CSIR, etc.

University	Number of Projects	Funding (in ₹ Lacs)
JIIT	34	635.00
JUIT	42	1902.00
JUET	4	36.11

## Other Details

- More than 55% faculty with Ph.D degrees
- 150+ Ph.Ds awarded
- Around 450+ Ph.D scholars and 500+ M.Tech students registered
- Faculty research publications exceeding 5500 in national and international journals - with specific inputs in high impact factor journals such as Progress in Electromagnetic Research B & C, Physica Scripta, Physical Review A, PLoS ONE, BMC Genomics, Expert Systems with Applications, Analytica Chimica Acta, Nucleic Acids Research, Bioinformatics, Journal of Computational Electronics, The Scientific World Journal, Ind. Eng. Chem. Res., App. Cat., AI ChE J, Rapid Prototyping Journal, J. of Experimental Mechanics, J. of Sustainable Cement Waste Materials, Int. J. of Concrete Structure Material etc.

## Foreign Collaborations/MOUs.

The Jaypee Universities have collaborations/understandings with foreign universities aimed at academic development and exchange in mutual areas of interest. These are listed below:

1. University of Abertay Dundee (U.K)
2. Educational Services Agreement with the University of Florida,

Gainesville, USA (UF-EDGE program)

3. University of Florida, International Center, Gainesville, Florida, USA. The selected students have options to do their 8th semester at a nominal fee at the University of Florida & Nebraska, USA. Most of such students have also got admissions in respective MS program and 100% placement through jobs in US
4. College of Information Science & Technology, The Peter Kiewit Institute of Information Science, Engineering & Technology, University of Nebraska, Omaha
5. University of Westminster, London, England
6. Finnish Universities of Applied Sciences, Finland.
7. Youth Development Fund Bhutan
8. Mapua Institute of Technology, Manila, Philippines
9. Institute of Microbiology, Johann Wolfgang Goethe, University of Frankfurt, Germany
10. University of California, Berkeley Extension
11. Alliance of 4 Universities (A-4A) of Spain
12. Arkansas State University, USA
13. Technion - Israel Institute of Technology, Israel
14. South Dakota School of Mines and Technology, USA
15. Center for Industrial Microbiology, Food Industries Research Institute, Nguyen Trai, Thanh Xuan - Hanoi, Vietnam
16. SAP AG, Dietmar-Hopp-Allee, Germany
17. Cheng Shiu University, Taiwan







## UG Academic Programs

The tentative number of seats for programs of study to be offered for 10+2 students during academic session 2015-16 will be 3060 across the four campuses of Jaypee Education System, with 1230 at **JIIT, Noida** (both campuses at Sector-62 & Sector-128), 510 at **JUIT, Wagnaghat** and 720 at **JUET, Guna** and 600 at **JU, Anoopshahr**. UG admissions are carried out on basis of Overall All India Merit in the JEE (Main) examination, though **JUET, Guna** and **JU, Anoopshahr** have a provision for admission through 10+2 marks merit. Further the admissions to the BioTech programs are also available through 10+2 marks merit.

- 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 (Mathematics 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 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, outcome based continuous evaluation, examinations and personality development programs.

PROGRAMS	JIIT-NOIDA	JUIT-WAKNAGHAT	JUET-GUNA	JU-Anoopshar
B. Tech - Electronics & Communication Engineering	✓	✓	✓	✓
B. Tech - Computer Science & Engineering	✓	✓	✓	✓
B. Tech - Information Technology	✓	✓	✗	✓
B. Tech - Biotechnology	✓	✓	✗	✗
B. Tech - Bioinformatics	✗	✓	✗	✗
B. Tech - Civil Engineering	✗	✓	✓	✓
B. Tech - Chemical Engineering	✗	✗	✓	✗
B. Tech - Mechanical Engineering	✗	✗	✓	✓

✓ Offered ✗ Not Offered



## ***UG Program in 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, Basic Engineering and in many core subjects of Electronics & Communication Engineering. Through many Professional Development Courses which include Languages, Humanities, Social Sciences and Management, they turn out to be good professionals in their branch of specialization.

Some of the important compulsory subjects include Analog & Digital Electronics, Signals & Systems, Analog & Digital Communications, Digital Signal Processing, Electromagnetic Engineering, Telecommunication Networks and VLSI Technology. Students are also required to take a number of courses in Computer Science and Engineering to meet the requirements of academics as well as industry. The program is fully supported by excellent laboratory facilities. Options to take many elective subjects provide a wonderful opportunity to the students to go in further specialisation in ECE or broaden their knowledge to cater to the demands of academics and industry. A strong emphasis on the final year project makes the student confident in research, design, development, manufacturing and management. Students get a flavor of working in industry and the work culture there through the mandatory six-weeks industrial training at the end of the third year.

## ***UG Programs in Computer Science Engineering & Information Technology***

The institutions with the passage of their evolution and growth have succeeded in creating their place of excellence in the country and abroad. The institutes have been attracting bright students from all parts of the country for quality education in Computer Science and Information Technology at undergraduate, postgraduate and doctoral levels. During the course of time it has offered opportunities to its scholars in the area of quality education and research in pursuance of a long cherished mission of the Group.

Most of the courses are supported by good laboratory practice through excellent computer laboratories and software. There is a provision of six elective subjects which a student can choose depending on market demand and his/her interest in emerging areas and need for further specialization. Though most of the courses have elements of research and design, a heavy emphasis on the final year project gives students an excellent opportunity to develop and demonstrate their innovation skills, design skills and research interests. These projects quite often lead to publications of their original work. Some of the core subjects of the programs include Object Oriented Programming, Mobile and Ubiquitous Computing, Smart Systems, Micro Processors & Controllers, Algorithms, Operating Systems, Software Engineering, Computation Theory, Computer Networks, Compiler Design, Computer Organization and Architecture. Students have to undergo a thorough six-week mandatory industrial training at the end of their third year of study to get a feel of the work culture in relevant industries.





## *UG Programs in Biotechnology and Bioinformatics*

The exponential growth and rapid development in modern biotechnology and bioinformatics as well as the diversity of knowledge and skills required to pursue careers in biotechnology has inspired us to educate and train youth in BT & BI. The program makes available specialized labs in areas such as Proteomics Technology, Genomic Technologies, Plant Biotechnology, Microbial Biotechnology, Animal & Plant Cell Culture, Environmental Biotechnology Industrial Biotechnology and Pharmacy. The Biotech programmes at JUIT & JIIT have been ranked among top 3 private Biotech Programs in the country for the last 2-3 years.

Bioinformatics has emerged as a separate discipline due to an upsurge in genomics data through sequencing of whole genomes of microbes, plants, animals and humans. Anticipating a high demand of technocrats with knowledge base of a combination of biotechnology and CS & IT, a specialized degree program B.Tech. Bioinformatics (BI) is being offered. The multidisciplinary nature of bioinformatics involves in-depth knowledge in biotechnology, computer science & IT, mathematics & biostatistics and physics, in addition to core subjects in bioinformatics.

## *UG program in Chemical Engineering*

The objectives of the program are to provide the students a broad-based education with emphasis on theory and practice of Chemical Engineering keeping in view the current and future requirements of the country. The courses offered aim at preparing trained manpower to meet the demand in the process industries including cement, food processing, petroleum processing, pharmaceuticals, mineral processing and polymers besides design, development & troubleshooting. Graduates have been placed successfully in reputed organizations like NOCIL, Hindustan Lever, Jaypee Group, IOCL, Reliance, DMCC, KJS Cement, APAC Consulting etc.

Nine fully equipped state-of-art laboratories with air/water/steam lines are available to students. The course syllabus is flexible and includes all components of modern engineering education with wide choice of electives from areas like design, analysis, modelling, energy and environment.



## *UG program in Civil Engineering*

Undergraduate program in Civil Engineering (offered at JUIT-Waknaghat, JUET-Guna and JU-Anoopshahr) has been developed to meet the latest requirement of the infrastructural development of our country in areas like Construction, Transportation, Hydropower and Environmental Engineering. The curriculum has been developed to keep it more practice and industry oriented without losing its academics focus.

Students are provided with comprehensive theoretical knowledge through lectures, tutorials and assignments covering the basic as well as advanced topics in various subjects of civil engineering. They are trained for practical understanding in departmental laboratories namely Concrete and Structural Engineering, Geotechnical Engineering, Environmental Engineering, Highway Engineering and Surveying, in addition to the traditional Engineering Graphics and Workshop Practices. All laboratories are equipped with modern equipments and facilities and highly trained manpower. Students are exposed to construction industry during the practical training in reputed construction companies. Training on software like STAAD Pro, MATLAB, Auto-CAD and PRIMAVIRA enhances employability of students in the various fields of Civil Engineering. Opportunities are provided to students for post graduation and research in the areas of Geotechnical, Structural, Environmental and Transportation Engineering.



## *UG program in Mechanical Engineering*

Mechanical Engineering is offered by the Department of Mechanical Engineering JUET-Guna and JU-Anoopshahr. The program has established laboratories like Thermodynamics, Computer Aided Design, Strength of Materials, Fluid Mechanics & Machinery, Measurement & Control, Theory of Machine, I.C. Engines, Heat & Mass Transfer, Advanced Machining, Refrigeration & Air Conditioning, Dynamics of Machines, Additive Manufacturing (AM) and CIMS, 660 MW Super Critical Thermal Power Plant Training Simulator (at JUET) for hands on experience in practice and design. It lays emphasis on subjects like Flexible Manufacturing Systems, Computer Integrated Manufacturing, Additive Manufacturing, Robotics, Tribology, Composites and Laser Materials, Finite Element Methods to provide the graduates to take up the challenging tasks for leading sectors of manufacturing, design and energy generation & conservation and R & D and provides adequate exposure for hands on experience.





## *5 years Integrated B.Tech-M.Tech Degree Programs*

### *Biotechnology*

Five year integrated B. Tech - M. Tech program in Biotechnology covers the regular courses of B. Tech program and additionally students are exposed to advanced level courses such as Biomolecules and Cell Communication, Molecular Modelling and Drug Design, Bio-separation Technology, Systems Biology and Neural Networks, Nanobiotechnology, Vaccine Biotechnology, Metagenomics, Diagnostics and Therapeutics, Regulatory Affairs, Product Development in Biotechnology etc. along with a Research Project, Dissertation and Seminar. These courses focus on theoretical and laboratory skills in various areas of Biotechnology and Bioinformatics, enabling proficiency for higher studies, R&D and industry work.

### *Computer Science & Engineering*

This five year integrated B.Tech-M.Tech program is designed for those students who are deeply fascinated by computer science & engineering and are absolutely sure about specializing in this discipline. The students are groomed to start an R&D oriented career in IT industry or pursue their doctoral studies in computer science & engineering. The curriculum offers foundation as well as advanced courses on a wide spectrum of computing area - Programming, Algorithms, Databases, Computer Organization and Architecture, Operating Systems, Computer Networks, Web and Mobile computing, Embedded Systems, Distributed systems, Artificial intelligence, Machine Learning, Software Engineering, Information and Networks Security, Multimedia Computing, Performance Modelling, etc.



### *Electronics and Communication Engineering*

5-year Integrated B.Tech-M.Tech degree program in Electronics and Communication Engineering spans courses of both B.Tech and M.Tech degrees in the discipline of Electronics and Communication Engineering and emphasises on an in-depth understanding of several advanced and state of art courses in the area of Signal & Speech Processing and Coding, Wireless Communication, VLSI, System on Chip, Satellite Communication, Microwave Engineering etc. The integrated program provides the students with the opportunity to acquire comprehensive understanding in an area of their selected field through electives and individual projects. It prepares them for R & D, and industrial work as well as higher studies.

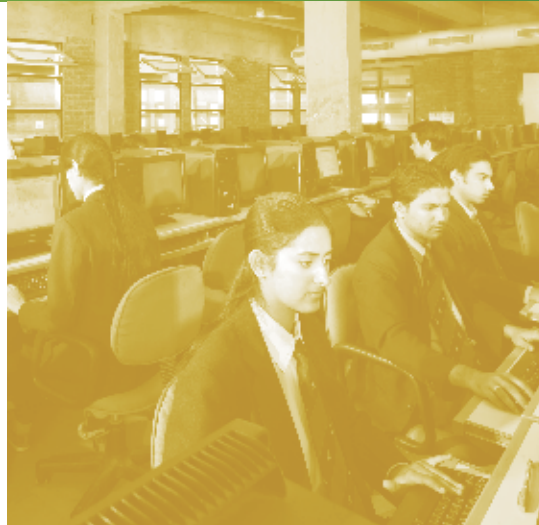
## Post Graduate Programs

Provides for compulsory core courses, elective subjects and intensive project work in the respective area of specialization. The objective of the program is to impart advanced level knowledge in the field of specialization making the students suited to better academia as well as industry and assume responsibilities requiring greater research, design and development aptitude. Through compulsory core and open elective subjects the students acquire a state-of-the-art advanced knowledge in a chosen field of specialization. These selective courses give the opportunity to further specialize in the field depending on his/her interest and the future career plan. For project work and dissertation students are required to take-up problems on particular topic in the field culminating in submission a dissertation/report.



## Applied and Computational Mathematics

The program is designed to train students in data analytics, big data and advanced computational mathematics and theoretical computer science, so that they are well equipped to take up jobs in the software industry, research & development organizations. The program enables them to learn computing, simulation and numerical techniques.



## Computer Science and Engineering

The program provides advanced level education and research exposure in various areas of computing - Algorithms, Distributed Systems, Software Engineering, Machine Learning, Databases, Computer Networks, Computer Architecture, Computer Networks, Information and Networks Security, etc. These advanced level courses and M. Tech dissertation lay the foundation for potential doctoral work in CSE.



## Biotechnology

M.Tech in Biotechnology program is designed to offer diverse and extensive aspects of biotechnology and life sciences and has strong emphasis on research. It encompasses streams such as Bio-separation, Metabolic Engineering and Process, Medical Biotechnology, Metagenomics, Microbial Technology, Molecular Modelling, Gene and Omics Technologies, Bioprocess and Industrial Biotechnology, etc. Curriculum is enriched and helps the students follow interest compliant to his/her research aspirations and current industrial demands. Working along with a blend of Ph.D students and research fellows involved in intense research enhances the quality of research experience for graduate students.

## Electronics & Communication Engineering with specialization in Micro Electronics Systems & Embedded Technology

This interdisciplinary program focuses on Microelectronics and MEMS Devices and Technology, VHDL based Digital Design, Analogue and Digital

CMOS Design and Embedded Systems Design. Students are able to make use of modern tools and techniques to implement VLSI Design on Silicon.



## *Computer Science and Engineering with specialization in Information Security*



Information security is a fast growing area and has been recognized as a national priority. This program aims to enhance the knowledge and core competencies in contemporary computer science and also provide a deep understanding of security related aspects. The curriculum includes a comprehensive set of core and elective courses to achieve both these purposes.

## *Computer Science & Engineering with specialization in Mobile Technology*

Recent advancements in the field of wireless and mobile technologies have broken barriers regarding how we perceived communication. Ubiquitous computing has now evolved from the nascent stage of desktop computing.

Considering these a program on Master of Technology in Computer Science Engineering with specialization in Mobile Technology is being launched w.e.f. 2015-16 session. The program aims to provide sound theoretical as well practical knowledge in Wireless Communication & Networks, Mobile Architecture & Programming, Mobile Database Management System, Mobile Operating System & Web Development etc. The students will also have wide choice of electives to enhance their knowledge in subjects of their choice. This Master's program provides career options in the emerging technology sector of Mobile Technology. This program will be open to candidates with B.Tech./B.E. in Computer Engineering/Information Technology/Electronics and Communication Engineering.

## *Chemical Engineering*



The program provides advanced courses in areas such as Process Modeling and Optimization, Advanced Separation Processes, Advanced Process Control, Advanced Transport Phenomenon and Fluidization Engineering. The course offers a wide range of electives. The students have to take a major research activity as a part of the course. The aim of the program is to train students to assume independent responsibilities laying emphasis on the country's current and future requirements in industry, R&D organizations, design firms and academic institutions.

## *Civil Engineering (Geotechnical Engineering)*

The program has been designed to impart deeper, wider and up-to-date knowledge of soil mechanics and foundation engineering beyond the basic knowledge provided at undergraduate level. The curriculum includes the traditional courses and modern courses mainly Geo-environmental Engineering, forensic Geo-technical engineering and critical state soil mechanics. The thrust is provided to the solutions of the field problems through advanced laboratory courses.



## *Civil Engineering (Structural Engineering)*



This course is designed for students who may eventually wish to specialize in structural engineering. The programme emphasizes analysis and design of structures like bridges and multi-storied buildings. The course introduces numerically demanding research and design exercises relating to a wide-range of structures using simulation, modeling and computational software programs. The programme lays equal emphasis on laboratory work, industrial visits and research based dissertation. M. Tech programme in Structural Engineering provides a basic preparation for professional careers and an understanding of design, comprehension of the commercial world and competence in transferable skills.



## Construction Management

The program provides preparation for effective leadership in the field, which includes light (residential and small office buildings) and heavy (large office buildings and facilities, infrastructure) projects. It aims at educating the students with regulatory, insurance, management, safety, planning tools, estimation and environmental aspects of management necessary for overall planning and control of construction projects. The course helps in gaining innovative problem-solving skills to determine costs and apply time-value-of-money concepts to effectively evaluate alternatives. With a curriculum developed in collaboration with the University of Florida (USA), the programme assures relevant and global standards education



## Data Analytics

M.Tech (Data Analytics) is an inter-disciplinary program offered by Department of CSE & IT and is designed to meet the huge manpower shortage in this area that has been well recognized as one of the fastest growing areas. All business and government organisations working in commerce, policy, insurance, finance, economics, engineering, infrastructure, energy, health care, education, security, sports, media, culture, etc. are increasing relying on computational tools and techniques of data analytics for taking informed decisions. This program has been designed to develop 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. In addition to the CSE & IT department, the department of mathematics as well as business school/department of HSS will also contribute courses for this program. The core courses include statistical data analysis, financial econometrics, data warehousing and data mining, pattern recognition and machine learning, large scale graph analytics, empirical research and laboratories. Students will also be offered several electives on theoretical, systemic, algorithmic, and applied aspects of data analytics. This two year full time program is open for candidates with BTech (in any discipline) or Masters (in Computer Applications/Computer Science/IT/Maths/Statistics/Operations Research/Physics/Electronics/Instrumentation/Economics/Commerce) or equivalent.

## Electronics & Communication Engineering/ Electronics & Communication Engineering with specialization in Communication Systems



These program covers a number of areas at advanced level like Mobile, Wireless, Satellite, Optical and Computer Communication Systems and Networks, Signal Processing, Spread Spectrum Communication and Error Control Coding Techniques, Microelectronics & VLSI Design and Information & Communication theory.







## ***Environmental Engineering***

The interdisciplinary program is aimed at imparting advanced level education in Environmental Science and Engineering for analyzing and controlling environmental pollution, control technologies, management practices and sustainable development. The course offers a wide variety of electives in areas like clean technologies, membrane separation processes, resource conservation, water quality management and solid waste management.

## ***Materials Science & Engineering***

The interdisciplinary program is aimed at imparting advanced level education in areas of Nano-Materials & Technology, Semiconductor & Optoelectronics Materials & Technology, Polymers, Ceramics & Composites, Materials for Storage Devices with a strong foundation in fundamentals of structures, properties and processing of materials and computer aided modeling and simulation techniques.

## ***Mechanical Engineering (Manufacturing Technology)***

M.Tech in Mechanical Engineering (with specialization in Manufacturing Technology) has been developed keeping the industrial requirement in view. Applications of Manufacturing Technology are to manage manufacturing resources efficiently and effectively and thus improve the productivity of an industrial organization. The curricula of this program is open to Mechanical and Production Engineering graduates only.

## ***Information Technology & Entrepreneurship***

This is a joint program by department of CSE&IT and Jaypee Business School. It is designed for graduates with 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 includes courses on information technology and entrepreneurship management. Second year of the program is devoted to industrial internship and IT entrepreneurship project to develop an investor-ready business plan. Through this program, the student will also network with successful 'role model' innovators, entrepreneurs, and enterprise development experts.





## Post Graduate Programs

PROGRAM	JIIT-NOIDA	JUIT-WAKNAGHAT	JUET-GUNA
<b>2 Year M. Tech</b>			
M. Tech - Applied & Computational Maths	✓	✓	✗
M. Tech - Biotechnology	✓	✓	✗
M. Tech - Computer Science & Engineering	✓	✓	✓
M. Tech - CSE with Specialization in Information Security	✓	✗	✗
M. Tech - CSE with specialization in Mobile Technology	✓	✗	✗
M. Tech - Chemical Engineering	✗	✗	✓
M. Tech - Civil Engg. (Geotechnical Engineering)	✗	✗	✓
M. Tech - Civil Engg. (Structural Engineering)	✗	✓	✓
M. Tech - Construction Management	✗	✓	✗
M. Tech - Data Analytics	✓	✗	✗
M. Tech - Electronics & Communication Engineering	✗	✓	✓
M. Tech - ECE with specialization in Communication Systems	✓	✗	✗

✓ Offered ✗ Not Offered

PROGRAM	JIIT-NOIDA	JUIT-WAKNAGHAT	JUET-GUNA
M. Tech - ECE with Micro Electronic Systems & Embedded Technology	✓	✗	✗
M. Tech - Environmental Engineering	✗	✓	✗
M. Tech - Information Technology and Entrepreneurship	✓	✗	✗
M. Tech - Materials Science & Engineering	✓	✗	✗
M. Tech - Mechanical Engineering (Manufacturing Technology)	✗	✗	✓
<b>5 Years Integrated B.Tech - M.Tech Programs</b>			
B. Tech - M. Tech (Biotechnology)	✓	✗	✗
B. Tech - M. Tech (Computer Science Engineering)	✓	✗	✗
B. Tech - M. Tech (Electronics & Communication Engineering)	✓	✗	✗
<b>MBA</b>	✓	✗	✗

✓ Offered ✗ Not Offered

## Doctoral Programs (Ph.D)

The Ph.D programs are available in various specializations such as Bioinformatics, Biotechnology, Civil Engineering, Computer Science and Engineering, Information Technology, Electronics and Communication Engineering, Management, Humanities, Social Sciences, Mathematics, Physics, Materials Science and Engineering at various campuses. 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 in the chosen field. The doctoral research program 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 awarding of the Ph.D. degree. They may also be required to take part in some advanced level course work.



## Financial Assistance during Ph.D Program

Financial Support will be provided to all full time Ph.D students in the form of Research Fellowship/ Teaching Assistantship



# Ph.D Programs

Program	JIIT-Noida	JUIT-Waknaghat	JUET-Guna
<b>Electronics &amp; Communication Engineering</b>	Low Power VLSI Design, FPGA based System Design, FinFET based SRAM design, MIMO-OFDM System, WCDMA Networks, Optical Wireless Communication, Underwater Wireless Communication, MEMS based Design, MOS Compact Modeling, Design for Testability, Joint Source Channel Coding in Multimedia Applications, Conformal Microstrip Antennas, Broad banding Techniques in Microstrip Antennas, Active Antennas, Antenna Arrays, Microwave Engineering: Fast Wave Devices, Substrate Integrated Waveguides and Folded Substrate Integrated Waveguides, Meta-materials, Qualitative & Quantitative Analysis of Speech, Device Modeling & Simulation, Telemedicine, Forensic Imaging, Cognitive Radio, Content Based Image Retrieval, Image Compression, Object Tracking and Face Recognition, Node Localization in Wireless Sensor Networks, Biquad Filters, Multilayer Thin film based Devices, Bio-sensors, Processing of Biomedical Signals.	Signal Processing, Speech coding, Processing and Recognition, Image Processing and Designing image processing filters, Embedded System Design Mobile & Wireless Communication, Error Control Coding, Biomedical Engineering & Control Systems	Digital Signal Processing, Multi-dimensional and Multi-rate Signal Processing, Image Processing, Wavelet Analysis and Pattern Recognition, Integral Transforms, Wireless Communication, Digital Commutation, Multicarrier Communication Systems, Soft computing, Neural Networks, Renewable Energy, RF and Microwave Tubes, micro-strip Antenna, Compressive Sensing, Adaptive Filtering, MINO Antenna and Bio-metrics.
<b>Computer Science &amp; Engineering</b>	Multimedia Technology and Applications, Knowledge Based Systems, Artificial Intelligence, Information Retrieval, and Machine Learning, Distributed Systems, Computer Networks, and Wireless Networks, Web & Mobile Technologies and Information Systems, Cyber Security, Computing Education and Learning Technologies, Computer Architecture & Embedded Systems, Software Engineering.	Parallel, Distributed and Grid Computing, Mobile Computing, Cloud Computing, Computer Data Networks, Wireless Sensor Networks, Cyber Security, Digital Forensics, Network Security, Information Security, Software Requirement Engineering, Software Development Models, Software Matrix, Software Testing, Image Information Processing, Computer Graphics, Computer Vision, Database systems, Data Mining & Warehousing Algorithms, Information Retrieval, Analysis and performance of Algorithms, Artificial Intelligence, Expert Systems, Knowledge Management, Natural Language Processing.	Distributed Processing, Grid Computing, Image Processing, Pattern Recognition, Image Security, Network Communication, Information System Security, Software Engineering, Data Mining & Warehousing.
<b>Biotechnology &amp; Bioinformatics</b>	Medical Biotechnology, Bioinformatics, Genomics & Proteomics, Plant & Microbial Biotechnology, Environmental Biotechnology, Novel Drug Delivery System & Nano-biotechnology	Genetic Engineering, Genomics, Microbial Biotechnology, Medical biotechnology, Plant biotechnology, Industrial biotechnology, Environmental Biotechnology, Food Technology, Computational Biology, Natural Products as Drugs and Nutraceuticals, Computational Drug, Discovery, Medicinal Chemistry, Neuro Pharmacology, Stem Cells, Medical Genomics, Infectious Diseases, Cancer Biomarkers	
<b>Physics &amp; Materials Science and Engineering</b>	MEMS and Smart Systems, Advanced Materials, Nanoscience and Nanomaterials, Quantum Optics & Quantum Computing, Atomic & Molecular Physics, Energy Materials and Devices, Photonics and Plasma Physics	Semi Conducting Chalcogenides, Nano-ferrites, Microstrip Antennas, Nanoscience and Nanotechnology, Polymers, Nano-sensors	Spectroscopic Studies of Polymers and Finite Crystals, Nanomaterials, Energy Storage Devices, Nonlinear Dynamics and Quantum Optics.

Program	JIIT-Noida	JUIT-Waknaghat	JUET-Guna
<b>Mathematics</b>	Wavelets, Fractals and Chaos, Analysis, Numerical Analysis and Computational Fluid Dynamics, Statistics, Queuing Systems and Fuzzy Set Theory, Continuum Mechanics Information and Coding Theory	Differential Equations, Mathematical Modeling and Simulation, Elasticity, Wave Propagation, Fuzzy Information Theory and Decision Making, Differential Geometry, Algebraic Coding Theory Statistics-Multiple Comparisons Inference Procedures.	Numerical Analysis, Reliability Theory, Operations Research, Fluid Mechanics, Information Theory, Fuzzy sets and Logic, Fuzzy Information Measures and Complex Analysis.
<b>Humanities and Social Science</b>	Sociology-Women Studies, Cultural Studies, Political Sociology, Gerontology; Psychology-Positive Psychology, Industrial Psychology, Mental Health, Applied Psychology; Economics-Micro & Macro Economics, Public Finance, Development Economics, Health Economics; Finance- Financial Accounting, Financial Evaluation, Corporate Finance, Personal Tax Planning, Behavioral Finance, Financial Markets, Banking, Insurance, Mutual Funds, Income tax; English- Socio-Linguistic, Communication Skills and Translation; Marketing- Branding, Customer Relationship Management, Digital Marketing, Consumer Behavior, Social Media Marketing; Human Resource Management-Organizational Behavior, Strategic Management, Emotional & Social Intelligence, Leadership, Executive Coaching, Knowledge Management	Finance, Economics, Management, English	Industrial Economics, Micro & Small Business, Financial Management, Marketing Management, Innovative Management, New Product Development, Consumer Behavior, Business Economics, Corporate Governance, Business & Government.
<b>Civil Engineering</b>		Materials, Structures, Soils, Environment, Fluid mechanics, Rock Mechanics	Concrete Technology, Environmental Engineering, Geotechnical Engineering, Hydraulics & Water Resources Engineering.
<b>Chemical Engineering</b>			Transport Phenomena, Process Modeling & Simulation, Energy Environmental issues in Chemical Processes, Fluid Practical System, Heat Transfer, Mass Transfer Operations, Cement Technology.
<b>Mechanical Engineering</b>			Laser Beam Machining, Additive Manufacturing, Dynamics of Machine Tools, CAD/CAM, Thermal Sciences.
<b>Chemistry</b>			Novel Surfactants, Polymer Chemistry, Oleo chemicals, Environmental Sciences, Natural Products.
<b>Management</b>	Consumer Behaviour & Segmentation, Customer Satisfaction and Marketing Strategy, E-Marketing, Brand Management, Marketing Flexibility, Waste Management, Financial Economics, Mutual Funds, Mergers and Acquisition, Behavioural Finance, Corporate Finance, Training & Development, Workplace Passion, Leadership Competencies, Management Effectiveness, Communication & Negotiation, Employee Behaviour, Employee Engagement, Employee Wellbeing, Sustainable Supply Chain Management, Service Operations Management, Process Management, Firm Efficiency & Labour Productivity, E-Procurement Sustainability Index.		

# Training and Placement

Over the years Jaypee Institutions have built a strong network with leading companies for recruiting their engineering students. As on 30<sup>th</sup> December 2014 almost 2100 offers have already been made to 1400 participating students graduating in 2015 from JIIT, JUIT and JUET Campuses reflecting the strength of the Universities in grooming Engineers in sync with Industry requirement. Dream companies such as Amazon, SAP, Deloitte & many startups also recruit the students at salaries varying from Rs 5 lac to Rs 18 lac per annum.

A dedicated T&P Cell facilitates students by inviting companies to Campus and also helps students in preparing for selection. The cell also helps in promoting Industry academia partnership and organizes workshops to remain updated in emerging technologies. Representative list of some Companies visiting the campuses for placement are as shown aside:

Detailed list and placement data is available on the website.





# Jaiprakash Sewa Sansthan

*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.



# Jaypee Group at a Glance

*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).*



## **Engineering & Construction**

The Engineering and Construction wing of the Group is an acknowledged leader in the construction of multi-purpose River Valley and Hydropower projects. The Group is the only integrated solution provider for Hydropower projects in the country with a track record of strong project implementation in different capacities and has participated in projects that have added over 8840 MW of Hydroelectricity to the national grid between 2002 to 2009.



## **Power**

The Group is India's largest private sector Hydropower producer and is on its way to be an integrated power producer with expansion in Thermal, Wind and Power Transmission. Jaypee Group's operational power plants are 300 MW Baspa-II (Himachal Pradesh), 400 MW Vishnuprayag (Uttarakhand) and 1000 MW Karcham Wangtoo (Himachal Pradesh) with operational hydropower capacity being 1700 MW. 500 MW Bina (Phase1) Thermal Power Project and 660 MW Nigrie (Unit1) Thermal Power Project are operational. 660 MW Nigrie (Unit II) and 1980 MW Bara Thermal Power Projects are under advanced stages of Implementation.

## **Cement**

Jaypee Group is the 3rd largest cement producer in the country. The Group produces special blend of Portland Pozzolana Cement under the brand name 'Jaypee Cement'. Its Cement Division currently operates modern, computerized process control cement plants with an aggregate capacity of over 29 MnTPA.





## ***Real Estate***

Jaypee Group is a pioneer in the development of India's first golf centric Real Estate. Jaypee Greens - a world class fully integrated complex at Greater Noida consists of an 18 hole Greg Norman Golf Course, stretching over 452 acres. It also includes residences, commercial spaces, corporate park, entertainment and nature in abundance. Jaypee Greens also launched its second project in Noida in November 2007. India's First Wish Town at Noida is an integrated township spread over 1162 acres of land comprising one 18 hole and two 9 hole golf facility and world class residences.



## ***Expressways***

The Group has entered into construction of expressways with the Yamuna Expressway project - a 165 km access controlled 6 lane super expressway along the Yamuna river connecting Noida and Agra on Build Own-Transfer basis.

The Group has commissioned the first RFID Technology based Electronic Toll Collection Plaza and four laned Zirakpur-Parwanoo Section of NH-5, the Himalayan Expressway from km 39.96 to km 67.55 in the states of Punjab, Haryana & Himachal Pradesh.



## ***Fertilizers***

The fertilizer plant situated in Panki , Kanpur is one of the oldest Urea manufacturing plant in the country with an installed capacity of 7.22 lac MT per anum. Urea production has started from June 2013 and the product is sold in the brand name of "Jaypee Chand Chaap Urea" which enjoys a very high degree of acceptance amongst the farming community. The plant was successfully converted to gas based, from Naptha and currently prills urea by using the latest in technology.

The company has also entered into the value added agri inputs space by marketing speciality inputs like Micro nutrients, Zinc sulphate Mono hydrate and organic manure under the flagship brand of Jaypee Chand Chaap.



## ***Healthcare***

With the vision of promoting world-class health care amongst the masses by providing quality and affordable medical care with commitment, the Jaypee Hospital has been set up and the first phase with 525 beds is fully operational. The hospital has been planned as a 1200 bedded tertiary care multi-speciality facility.

## ***Hospitality***

The Group owns and operates 4 Five Star Hotels, two in New Delhi and one each in Agra and Mussoorie with a total capacity of 644 rooms. Another 5 Star Luxury with 170 rooms state-of-the-art resort and SPA is now operational in collaboration with SIX SENSES at Greater Noida.



## ***Education***

In addition, JSS offers education through 4 Universities, 1 Post Graduate College, 1 B.Ed College, 2 Polytechnic, 7 ITI's, 34 Schools catering to learning of over 35,000 students across the complete spectrum of the learning curve.



## ***Sports***

The Group has hosted India's first ever Formula One™ Grand Prix on 30th October, 2011. In addition to F1, the track is expected to host other top-level international motor sports events.



## ***Information Technology***

JIL Information Technology Limited (JILIT), the IT arm of the Jaypee Group offerings encompass a diverse range of areas such as IT Infrastructure Management, Networking & Communication, Multimedia & Content Development Services, E-learning and Software Solutions. JILIT is today partnering with leading IT companies such as IBM and CISCO.

JILIT's quality management system is ISO 9001:2008 certified and the information security management system & data centre operations is attested by ISO 27001:2005





**Admission Shall be based on:**

- (a) JEE-2015 All India Ranking (JIIT, JUIT & JU-A)
- (b) JEE-2015 scores (JUET)
- (c) 10+2 marks based merit (JUET & JU-A)



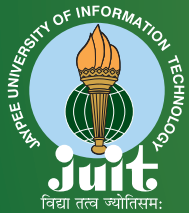
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