

Building Intellectual Capital



Brochure 2017





Founder Chairman's Message

Long before our first dam and 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 to become a benchmark 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), a not-for-profit trust, was established in 1993 to bring many 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 that 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. Therefore, the Jaypee Group, through its trust, opened large number of schools, polytechnic colleges and institutes of higher learning, teaching over 35,000 students 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.

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

(Approved by UGC as Deemed-to-be-University under section 3 of UGC Act 1956)



PROGRAMS OF STUDY

Undergraduate (4 Years)

B.Tech.

- Biotechnology
- Computer Science and Engineering (CSE)
- Electronics and Communication Engineering (ECE)
- Information Technology

Integrated M.Tech. (5 Years)

- Biotechnology
- Computer Science and Engineering (CSE)
- Electronics and Communication Engineering (ECE)

Post Graduate (2 Years)

M.Tech.

- Applied & Computational Mathematics
- Biotechnology
- Computer Science & Engineering (CSE)
- CSE with specialization in
 - Information Security
 - Mobile Technology
- Inter-disciplinary programmes in CSE with specialization in
 - Information Technology & Entrepreneurship
 - Data Analytics
- ECE with specialization in
 - Communication Systems
 - Micro Electronic Systems & Embedded Technology
- Materials Science & Engineering

MBA (2 Years) at Jaypee Business School

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

Ph.D

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

Student/Faculty Profile

YEAR	STUDENTS	FACULTY
July 2001	250	15
Dec 2016	5212*	248**

* Of above students, 179 are Ph.D scholars; 171 are M.Tech students; and 156 are MBA students;

** 150 faculty members have Ph.D degree.

Infrastructural Details

Item(s)	2004	2016
Covered Area (sq.m.)	46,000	158,097
Hostel Seats	872	2647
Computers (PCs)	270	1897
Laboratories (No's)	6	82

Significant Achievements

- NIRF (MHRD) Rankings 2016 : Best in NCR and 3rd best in North India among private Institutions; 60th best in the country among all Govt./Pvt. Institutions.
- Accredited by NAAC in November 2015 for 5 years
- Highly experienced faculty with an average of 12 years of academic experience. Majority of faculty from IIT's and other Institutes/Universities of repute
- MoUs with 8 Foreign Universities for student/faculty exchange, and collaborative research
- 9555 alumni including 118 Doctoral, 1196 M.Tech (including Dual-degree), and 1349 MBAs
- 16 International Conferences, about 200 invited talks, and 79 workshops and seminars organized with around 3800 delegates from around the world in last 5 years
- 2986 Research Publications in Journals/Conference, 24 Books and 90 Book Chapters/case studies
- 23 research grants worth Rs. 484.48 Lacs from various government agencies
- Biotechnology Program consistently ranked in top 10 by "Biospectrum"
- VIII Semester Studies at University of Florida for selected students.
- Excellent placement at JIIT - In 2016 students got multiple offers with 132% offers for CSE/IT and 127% for ECE. In Biotech and MBA streams 75% got placed. Students have been placed in companies like Amazon, Browser Stack, SAP Labs, Belzabar Software, Kuliza, Barclays, Deloitte, Kronos, Hashedin, Innovaccer, Grofers, Grail Research, Paytm Cognizant, E&Y, Quess Corporation, Ericsson, Infosys, Wipro etc.
- Completely networked academic campus

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

(Approved by UGC under Section 2(f) of UGC Act 1956)



PROGRAMS OF STUDY

Undergraduate (4 Years)

B.Tech.

- Biotechnology
- Bioinformatics
- Civil Engineering
- Computer Science and Engineering (CSE)
- Electronics and Communication Engineering (ECE)
- Information Technology

Post Graduate (2 Years)

M.Tech.

- Applied & Computational Mathematics
- Biotechnology
- Computer Science and Engineering (CSE)
- Civil Engg with specialization in
 - Structural Engineering
 - Construction Management
 - Environmental Engineering
- Electronics and Communication Engineering (ECE)

Ph.D

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

Student/Faculty Profile

YEAR	STUDENTS	FACULTY
July 2002	172	12
July 2016	2106*	97**

* Of above, 102 are Ph.D scholars; 126 are M.Tech. Students;

** 66 faculty have Ph.D degrees

Infrastructural Details

Item(s)	2004	2016
Covered Area (sq.m.)	31,420	102948.56
Hostel Seats	500	1800
Computers (PCs)	300	912
Laboratories (No's)	12	56

Significant Achievements

- JUIT ranked 37th among Indian Universities under National Institutional Ranking Framework (NIRF) by MHRD in 2016
- Accredited by NAAC (2011), and UG programs of study accredited by NBA (AICTE) twice - 2009 and 2014
- Experienced faculty with more than 10 years academic experience
- Ranked 30th 'Best Engineering College in India by EDU RAND 2015 ranking
- Member of IUCEE with International Collaborations with Top ranking US and European Universities
- 4486 Alumni including 102 Doctoral, and 404 M.Tech.
- 14 International Conferences, 175 invited talks, 48 national workshops organized with around 3800 delegates from around the world participating
- More than 2100 Research Publications, 27 Books, and 45 Book Chapters
- 50 research grants from various government agencies
- Biotechnology Program consistently ranked '1' by "Biospectrum" for number of years
- VIII Semester Studies at University of Florida for selected students
- 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 and Technology (JUET), Guna, M.P.

Approved by UGC under Section 2 (f) of UGC Act 1956



PROGRAMS OF STUDY

Undergraduate (4 Years)

B.Tech.

- Chemical Engineering
- Civil Engineering
- Computer Science & Engineering
- Electrical Engineering
- Electronics & Communication Engineering
- Information Technology
- Mechanical Engineering

Post Graduate (2 Years)

M.Tech.

- Chemical Engineering
- Computer Science & Engineering
- Electronics & Communication Engineering
- Civil Engineering with specialization in
 - Environmental Engineering
 - Structural Engineering
- Mechanical Engineering with specialization in Manufacturing Technology

M.Sc./M. Tech. (2/3 Years)

- Mathematics/Computational Mathematics
- Physics/Solid State Technology
- Chemistry/Industrial Chemistry

Ph.D

Chemical Engineering, Civil Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Mechanical Engineering, Mathematics, Physics, Chemistry and Humanities & Social Sciences.

Student/Faculty Profile

YEAR	STUDENTS	FACULTY
Jul-2003	102	10
Jan-2017	1921*	95**

* Of the above, 71 are Ph. D scholars; 20 are M. Tech students.

** 60 faculty members have Ph. D degrees; 35 are from IITs/IIITs & NITs.

Infrastructural Details

Item(s)	2004	2016
Covered Area (sq.m.)	15000	143823
Hostel Seats	300	2255
Computers (PCs)	30	842
Laboratories (Nos)	6	53

Significant Achievements

- Accredited by NAAC with GRADE- "A" for 5 years from 5.11.2016 and received their special appreciation for carbon positive campus.
- Ranked 86th in 2016 in Top 100 Universities in India by National Institutional Ranking Framework (NIRF) of Ministry of HRD, Govt. of India.
- Ranked 1st in Private Universities and 2nd in all universities in Madhya Pradesh in 2016.
- Ranked 61st University in India by EDU RAND 2016 Ranking.
- Best Private Engineering University in Madhya Pradesh by EDU RAND ranking 2016.
- Experienced faculty with more than 12 years academic experience.
- Adjunct faculty of foreign Universities, Gainesville.
- VIII Semester Studies at University of Florida for selected students.
- 3408 Alumni including 47 Doctoral, 187 M. Tech., 5 B. Sc. and 429 Diplomas
- 11 National/International Conferences, 21 National/International workshops, around 1700 delegates, 130 invited talks delivered by experts from around the world
- More than 1000 Research Publications, 24 Books and Book Chapters
- 13 research grants from various government agencies
- Completely networked academic campus.
- Successful placement of graduating students (Offer wise more than 100 %) every year in reputed organizations such as Amazon, Infosys, Cognizant, Wipro, SAP Labs, Oracle, IBM, Dell, NEC, Ericsson, Ernst & Young, S&P Capital IQ, Aricent, Johnson Controls (India) Pvt. Ltd., Kuliza Technologies, Naukri.com, Syntel, CSC India Pvt. Ltd., HCL Technologies, Tech Mahindra, Shree Cement, UltraTech, Continental Automotives, Browser Stack, Minzar, NIRMA Group, JK Cement, Ambuja Cement, Wonder Cement, Mangalam Cement Ltd, Shri Digvijay Cement Ltd, Orissa Cement Ltd, JMC, Bosch, L&T, Bridgecon Infra, Supertech, Shobha Developers, Era Construction, APAC Sourcing Solutions Ltd., Kalpataru, Jaiprakash Associates Ltd., Jaypee Powergrid Ltd., Jaypee Infratech Ltd., Jaypee Power Ventures Ltd., Jaypee Cement Corporation Ltd., Jaypee Fertilizers & Industries Ltd. and others. Highest Package Offered: - Rs. 27 Lac per annum in 2016.

B. Tech Lateral Entry Admission

Lateral entry admissions are offered to students having passed B. Tech/ BE 1st year or B.Sc. with Computer Science or Electronics or Diploma in relevant branches with 60% marks.

Jaypee University Anoopshahr, Bulandshahr, U.P.

(Inspected by UGC and AICTE, New Delhi)
(Established by Government of Uttar Pradesh
under Private Universities Act No. 8 of 2014)



PROGRAMS OF STUDY

(A) Undergraduate Programs

Faculty of Engineering

B. Tech. [4 Years – 8 Semesters]

- Civil Engineering (CE)
- Computer Science & Engineering (CSE)
- Electronics & Communication Engineering (ECE)
- Information Technology (IT)
- Mechanical Engineering (ME)

Faculty of Science

B. Sc. (Honours) [3 Years – 6 Semesters]

- Mathematics (MA)
- Physics (PH)
- Electronics (EX)
- Computer Science (CS)
- Information Technology (IT)

Faculty of Arts

B. A. (Honours) [3 Years – 6 Semesters]

- Economics

Faculty of Commerce

B. Com. (Honours)[3 Years – 6 Semesters]

Faculty of Management

B. B. A.[3 Years – 6 Semesters]

[Agricultural Business, Digital Marketing,
Healthcare Management, Hospitality Management]

(B) Ph.D.

- Civil Engineering,
- Computer Science & Engineering,
- Electronics & Communication Engineering
- Mechanical Engineering.

About Jaypee University, Anoopshahr

Jaypee University at Anoopshahr is an Interdisciplinary University established by the act No. 8 of 2014 of Govt. of U.P. 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.
- 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.

Salient features

- A new generation Interdisciplinary University aiming to produce quality professionals capable of meeting global challenges.
- Set-up in about 100 acres of lush green environment on the banks of Holy River Ganges providing serenity and intellectually stimulating environment.
- Carry academic synergy, experience, cooperation and support of the 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 experienced 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 from Aligarh, Moradabad, Sambhal, Badaun, Meerut, Ghaziabad, Noida/Delhi.
- Limited Transportation Facility.
- **3 Batches** in Faculty of Engineering and **1 Batch** in Honours Programs are already studying.
- Enrolled students are from TEN states across the Country.
- The University commenced its operation in 2014 and more than 500 students are currently studying in various programs. It has more than **26 Regular, 4 Visiting, 6 Adjunct and 6 Contractual faculty** members on its rolls, besides a fully developed infrastructure with modern facilities including hostels for all students.

Centres for Learning Excellence

Entrepreneurship Development Centre

The centre has been 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.

Micro Electro Mechanical Systems (MEMS) Centre (JIIT)

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, Physics and Material Science Engineering. Research areas targeted are RF Spiral Inductor development, SAW based Sensor Design and Advanced Smart Materials.

Center for Emerging Diseases (JIIT)

Newly emerged, re-emerged infectious and life style diseases constitute a global threat that puts every nation and every person at risk. 'Centre for Emerging Diseases' at JIIT addresses questions of molecular pathogenesis of emerging viral and bacterial pathogens, structural biology, life style diseases such as cancer, cardiovascular diseases, diabetes, obesity and the design of novel diagnostics and therapeutics. The research activities at the 'Centre for Emerging Diseases' are supported by extramural research funding from various agencies of Govt. of India including DBT, DST, ICMR and AICTE.



Cement Research and Development Centre (CRDC at JUET)

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

Jaypee Wind Engineering Application Centre (JP-WINCENTRE at JUET)

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.

Operator Trainee Simulator at JUET

660 MW Super Critical Power Plant Simulator facility to train students and also to extend short term training to power sector industry personnel. It is a generic simulator and a trainee gains in-depth knowledge of different components of super critical power plant operations.

Research and Development Activities

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

University	Number of Projects	Funding (in ` Lacs)
JIIT	23	484.48
JUIT	24	1035.04
JUET	13	84.99

Other Details (for all 4 Universities)

- More than 55% faculty with Ph.D degrees
- Nearly 200 Ph.Ds awarded
- Around 390 Ph.D scholars and 300+ M.Tech. students currently 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. In 2016, 25 students of JIIT, JUIT and JUET have availed this option of doing their 8th semester studies at University of Florida, USA.
4. College of Information Science & Technology,
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 Programs 2017-18



	JIIT – Noida (Sec. 62 & 128)	JUIT – Waknaghat, H.P.	JUET – Guna, M.P.	JU – Anoopshahr U.P.
Total No. of Seats	1230	510	600	330
B. Tech. Disciplines offered (seats)	<ul style="list-style-type: none"> • CSE (540) • ECE (480) • IT (60) • BT (60) • Integrated M.Tech <ul style="list-style-type: none"> – CSE (30) – ECE (30) – BT (30) 	<ul style="list-style-type: none"> • CSE (180) • ECE (120) • IT (30) • BT (60) • BI (30) • CE (90) 	<ul style="list-style-type: none"> • CSE (300) • ECE (60) • IT (30) • EE (30) • CE (60) • CHE (30) • ME (90) 	<ul style="list-style-type: none"> • CSE (60) • ECE (60) • IT (60) • CE (90) • ME (60)
Admission Basis	<ul style="list-style-type: none"> • All India Rank at JEE – 2017 • In addition, 10+2 marks basis (for BT only) 	<ul style="list-style-type: none"> • All India Rank at JEE – 2017 • In addition, 10+2 marks basis (for BT and BI only) 	<ul style="list-style-type: none"> • All India Rank at JEE-2017 • In addition, 10+2 marks-based merit 	<ul style="list-style-type: none"> • All India Rank at JEE – 2017 • In addition, 10+2 marks based merit

New Programmes 3 year UG Programs (seats) at JU Anoopshahr only	B.Sc (Hons) <ul style="list-style-type: none"> • Mathematics (45) • Physics (30) • Electronics (30) • Computer Science (30) • Information Technology (30) 	B.A. (Hons) <ul style="list-style-type: none"> – Economics (30) B. Com (Hons) (30) B.B.A. (30) <ul style="list-style-type: none"> – Agricultural Business – Digital Marketing – Healthcare Management – Hospitality Management
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BT – Biotechnology
 BI – Bioinformatics
 CSE – Computer Science & Technology
 IT – Information Technology
 CHE – Chemical Engineering

EE – Electrical Engineering
 CE – Civil Engineering
 ECE – Electronics & Communication Engineering
 ME – Mechanical Engineering

* For 3-year UG Honours programmes, admission is based on 10+2 Marks basis

Note: Number of seats indicated above are inclusive of seats reserved for SC/ST as per Government of India rules.

UG PROGRAMS

Computer Science and Engineering & Information Technology

The Jaypee institutions with the passage of their evolution and growth have succeeded in creating their place of excellence in India and abroad. The Universities has been attracting bright students from all parts of the country for quality education in Computer Science & Engineering (CSE) and Information Technology (IT) at undergraduate, postgraduate and doctoral levels. During the course of time, the Universities have offered opportunities to scholars and students towards 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 hardware and software. The UG curriculum of CSE offers lot of flexibility to a student to choose subjects according to his/her interests and future plans. A large number of elective subjects are available in line with the current market trends in emerging areas, and to cover various specializations. 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, Computer Organization and Architecture, Mobile and Ubiquitous Computing, Smart Systems, Micro processors & Controllers, Algorithms, Operating Systems, Software Engineering, Computation Theory, Computer Networks, and Compiler Design. 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.



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 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 core 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 specialization in ECE and 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 and development. Students get a flavour of working in industry and the work culture there through the mandatory six-weeks industrial training.