



# JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY NOIDA

**DEPARTMENT OF COMPUTER SCIENCE &  
ENGINEERING AND INFORMATION TECHNOLOGY**

**A-10, Sector-62, Noida-201309, Uttar Pradesh, India**



**WWW.JIIT.AC.IN**

## Programmes Offered

### UG Level Programmes

#### Major Degree (160 Credits)

1. B.Tech- Computer Science & Engineering
2. B.Tech- Information Technology
3. B.Tech- Artificial Intelligence & Machine Learning
4. B.Tech- Computer Science & Engineering (Cyber Security)

#### Minor Specialization (18 Credits)

1. Artificial Intelligence & Machine Learning
2. Cyber Security

### PG and Doctorate Level Programmes

1. M.Tech- Computer Science & Engineering
2. M.Tech- Artificial Intelligence & Data Science
3. Integrated M.Tech- Computer Science & Engineering
4. Ph. D- Computer Science & Engineering

### Diploma Level Programmes

1. Diploma- Computer Science & Information Technology
2. Diploma- Computer Hardware & Networking



## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING AND INFORMATION TECHNOLOGY

### VISION

To be a centre of excellence for providing quality education and carrying out cutting edge research to develop future leaders in all aspects of computing, IT and entrepreneurship.

### MISSION

**MISSION 1:** To offer academic programme with state of art curriculum having flexibility for accommodating the latest developments in the areas of computer science and IT

**MISSION 2:** To conduct research and development activities in contemporary and emerging areas of computer science & engineering and IT.

**MISSION 3:** To inculcate IT & entrepreneurial skills to produce professionals capable of providing socially relevant and sustainable solutions.

### CORE STRENGTH OF THE DEPARTMENT

1. Exposure to recent technologies.
2. High Computing Lab (GPUs).
3. Students are trained according to industry standards.
4. Innovative startup support to faculty and students.
5. Student Exchange program University of Florida

### HUMAN RESOURCES:

Total Number of Students enrolled in UG and PG =3238(UG)+192(PG)

Faculty members: 129

Lab staff: 23

### CENTRE OF EXCELLENCE:

Edge Computing Lab using Nivida Jetson Nano

Apple Research Lab

Ramanujan Universe (A high-performance supercomputing facility)

AI Skills lab (Set up under AI for Youth program of Dell and Intel)



## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING AND INFORMATION TECHNOLOGY

### Research Facilities:

- Edge Computing Lab using Nivida Jetson Nano
- Apple Research Lab
- Pryag Lab
- BCI Lab
- Ramanujan Universe (A high-performance supercomputing facility)
- AI Skills lab (Set up under AI for Youth program of Dell and Intel)
- NetSim Standard Version (v13.1) Software
- IOT devices(FPV,Camera for Quadcopters, TS5828L 5.8G 600MW 40CH Transmitter with Antenna, OTG Android AV Phone Receiver, NEO-M8N GPS with Compass for Pixhawk with extra connector for APM)
- Radio Telemetry Transmitter and Receiver
- LiPo Battery 3S, 30C, 2200 mAh
- Quadcopter DroneCombwithPixhawk Kit forbeginner (Motor +ESC + Propeller +Flight Controller +Frame + TX-RXFlysky FSi6+ Powermodule + Belt, FlyRobo
- DGX High-Performance Computing Facility

### Thrust Area:

- Artificial Intelligence and Machine Learning
- Data Science and Analytics
- Internet of Things, Distributed and Smart Systems
- Security, Privacy & Blockchain Technologies
- Software Engineering and Systems

### Lab Facilities:

- Advance Machine Learning lab
- Advance Programming Lab
- Artificial Intelligence Lab
- Cloud Computing Lab
- Computer Network Lab
- Compiler Design Lab
- Computer Organization and Architecture Lab
- Computer Center
- Computer Programming Lab
- CPMCS Lab
- CSE Research Lab
- Data analytics Lab
- Data Base System Lab
- Data Mining Lab
- Data Science and Engineering Lab
- Data Science Lab
- Data Structures & Algorithms Lab
- Database and Web lab
- Embedded System Lab
- High performance programming Lab
- Information Security Lab
- IOT Lab
- JEDC
- Machine Learning Lab
- Multimedia lab
- Mobile Application Development Lab
- Mobile Computing and IOT lab
- Mobile Technology
- Networks Programming Lab
- Open Source Software lab
- Operating System Lab
- Operating System Lab
- Prayag Lab
- Programming Lab
- Project Lab
- Research Lab
- Social Media Lab
- Software Engineering Lab
- Software Engineering lab
- Software Systems Lab



## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING AND INFORMATION TECHNOLOGY

### Research Achievements:

- International Journals (2014-25): 806
- International Conferences (2014-25): 687
- Books (2014-25): 23
- Book Chapters (2014-25): 192
- Patents (Filed/Published) (2014-25): 29
- Ongoing Funded Projects: 6

### Institute - Industry Collaboration:

- IBM
- Infosys
- Intel
- Dell
- Wipro



# B.TECH



## COMPUTER SCIENCE AND ENGINEERING

### SALIENT FEATURES:

- Industry ready curriculum updated with latest technologies.
- Hands-on Experience on Cutting Edge Technology.
- Faculties with rich doctoral, post doctoral and industry experience.
- High performance computing resources are available for students to solve complex task that need much computing power.
- B.Tech in CSE opens doors to roles such as Software Developer, Data Scientist AI/ML Engineer, Cyber security Analyst, Cloud Engineer, System Architect.



# B.TECH



## INFORMATION TECHNOLOGY

### SALIENT FEATURES:

- Curriculum aligned with industry standards and regularly updated with the latest technologies.
- Practical exposure to cutting-edge technologies through hands-on learning.
- Access to high-performance computing infrastructure for tackling computationally intensive tasks.
- Experienced faculty with strong academic backgrounds, including doctoral and post-doctoral qualifications, and substantial industry experience.
- Potential roles include Software Developer / Engineer, Web Developer, Mobile App Developer, Database Administrator, System Analyst, IT Support Specialist, Network Administrator.



# B.TECH

## COMPUTER SCIENCE & ENGINEERING (CYBER SECURITY)



### SALIENT FEATURES:

- Cutting-Edge Curriculum: Covers Blockchain, IoT, and AI in Cybersecurity, with research on cyber threats and defences.
- Expert Faculty: Doctoral and industry-experienced professors, plus insights from industry leaders.
- High Performance Computing Lab: Equipped with GPU servers, workstations, and tools for simulations and hands-on training.
- Practical Training: Hands-on experience with in-demand tools and real-world projects.
- Diverse Careers & Placements: Roles like Security Analyst, Ethical Hacker, and CISO with excellent placement support.



# B.TECH

## B.TECH IN ARTIFICIAL INTELLIGENCE & MACHINE LEARNING (AI & ML)



### SALIENT FEATURES:

- Industry ready curriculum, updated with latest technologies.
- Faculty with Rich Doctoral, Post Doctoral, and Industry Experience.
- High performance computing resources(RU) are available for the students to solve complicated tasks that require a lot of computing power.
- More than 300 papers published and 40 PhD completion in this field.
- Intel-Dell AI specialized Labs. The Department has 50 labs and 130 expertise faculty.
- Potential roles include AI Developer, Machine Learning Engineer, Data Analyst, and AI Product Manager.
- Ongoing funded project (AI In Education),



# M.Tech

## COMPUTER SCIENCE AND ENGINEERING



### SALIENT FEATURES:

- Design your own degree by selecting second-semester electives.
- Industry exposure in 3rd and 4th semesters.
- Cutting-edge, industry-focused curriculum.
- High-performance computing experience at the Ramanujan Universe.
- Opportunity to get Intel/Dell lab certificate in AI/DA.
- ₹15k/month TA for candidates with GATE score/CGPA  $\geq$  7.5/75% marks.
- Option to exit after 1 year with PG Diploma and then rejoin within 5 years for a degree.
- Top placements: STMicroelectronics, SAP Labs, Intel to name a few. Specialization in: AI&ML, Data Analytics, Cyber Security, IoT, ITE.



# M.Tech

## ARTIFICIAL INTELLIGENCE AND DATA SCIENCE



### SALIENT FEATURES:

- Industry-Aligned Curriculum with Hands-on Experience in Cutting-edge Technologies
- Monthly Teaching Assistantship of 15,000 for Students with GATE score or CGPA > 7.5\*
- Certification Opportunities from Intel-Dell Labs in AI/DS
- Option to Exit after First Year and Resume the Degree within Five Years
- Startup Support with Seed Funding, Facilitated by the RIDE Cell
- Access to the Ramanujan Universe, a High-performance Computing Facility
- Excellent Career Opportunities in Industry



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING AND  
INFORMATION TECHNOLOGY

# M.Tech



INTEGRATED M.TECH- COMPUTER  
SCIENCE & ENGINEERING

## SALIENT FEATURES:

- Industry-Aligned Curriculum with Hands-on Experience in Cutting-edge Technologies
- Cybersecurity, with research on cyber threats and defences.
- Expert Faculty: Doctoral and industry-experienced professors, plus insights from industry leaders.
- Practical Training: Hands-on experience with in-demand
- Tools and real-world projects.
- Diverse Careers & Placements: Roles like Security Analyst
- Ethical Hacker, and CISO with excellent placement support.
- Ethical Hacker, and CISO with excellent placement support.
- Excellent Career Opportunities in Industry

\*For More Details Visit :  
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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING AND  
INFORMATION TECHNOLOGY



# DIPLOMA AFTER 10th



COMPUTER SCIENCE AND INFORMATION  
TECHNOLOGY

## SALIENT FEATURES:

- Industry-relevant curriculum designed to meet current and future technological needs.
- Well-equipped laboratories offering hands-on training across all specialization areas.
- Experienced faculty providing strong academic and practical foundations.
- High employment potential in rapidly growing sectors like IT, electronics, and networking.
- Pathway to higher education through direct lateral entry into B.Tech (2nd year).
- Specialized skill development to prepare students for real-world technical roles.

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## DIPLOMA AFTER 10th



### COMPUTER HARDWARE AND NETWORKING

#### SALIENT FEATURES:

- Industry-relevant curriculum designed to meet current and future technological needs.
- Well-equipped laboratories offering hands-on training across all specialization areas.
- Experienced faculty providing strong academic and practical foundations.
- High employment potential in rapidly growing sectors like IT, electronics, and networking.
- Pathway to higher education through direct lateral entry into B.Tech (2nd year).
- Specialized skill development to prepare students for real-world technical roles.



## Research Projects: Externally Funded:

S. No.	Title of Research Project/ Consultancy Work	Details of Sponsoring Agency	Amount Sanctioned
1	Enabling Geriatric Exercising for Senior Population in Remote Areas	TIH-IoT CHANAKYA Graduate Internship Program 2021-2022; IIT Bombay (Doc No: TIH-IoT/12/2022/CHANAKY)	1.7 Lakhs
2	Development of a remotely accessible application for Virtual Reality-based Gamification of Senior Fitness Routine for Enabling Physical and Mental well-being of Geriatric population and Studying its Impact on Cognitive Functions and Behavioural Changes.	Council of Science & Technology, U.P. (CSTUP), (Letter File Name: CST/D-1204, PID: 5173)	7.72 Lakhs
3	Computational Diagnosis of Endometriosis Causing Infertility in Indian Women	Council of Science and Technology, Uttar Pradesh (CSTUP)	13.8 Lakhs
4	Detection and Exclusion of Obscene Images in Image Capturing Devices	SERB	19.89 Lakhs



## Research Projects: Internally Funded:

S. No.	Title of Research Project/ Consultancy Work	Details of Sponsoring Agency	Amount Sanctioned
1	Context-Aware Image Enhancement of Digitized X-Ray Film for Better Radiography Imaging	Directorate of Innovation, Research & Development – DIRD, JIIT, Noida (Letter No: DRID/Projects/2022, Date: 05/April/2022)	3 Lakh
2	CoE: AI for Education (Automated Question Generation for Learning Python Language basics)	Directorate of Innovation, Research & Development – DIRD, JIIT, Noida (Letter No: DRID/Projects/2022, Date: 05/April/2022)	14 Lakh
3	E-sports and stress Management for differently abled people: (i) Development of Puzzle-based games; (ii) Development of E-Sports games; (iii) Audio/sign-language/ Gesture based game control; (iv) BCI & Assistive devices for game control; (v) On-cloud game server	Directorate of Innovation, Research & Development – DIRD, JIIT, Noida (Letter No: DRID/GAINT Projects/02/2023, Date: 13/Dec/2023)	10 Lakhs



## CENTRE OF EXCELLENCE: PLACEMENT: CSE

Graduated Batch (B.Tech- CSE)	Total Offers	% of Total Offers	Highest (in Lacs)	Average (in Lacs)	Median (in Lacs)
2025	452	98%	62 L,	11.97 L	8 L
2024	437	97%	60.71 L,	9.04 L	7 L
2023	456	100%	82.89 L,	12.67 L	9 L
2022	451	100%	115 L,	13.54 L	8.23 L

## CENTRE OF EXCELLENCE: PLACEMENT: IT

Graduated Batch (B.Tech- IT)	Total Offers	% of Total Offers	Highest (in Lacs)	Average (in Lacs)	Median (in Lacs)
2025	49	98%	52.75 L,	14.65 L	8.26 L
2024	50	96%	29.48 L,	9.99 L	8 L
2023	48	98%	32 L,	10.36 L	8.5 L
2022	45	96%	44.14 L,	14.25 L	10 L





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**Hon'ble Shri Jaiprakash Gaur Ji**  
Founder Chairman, Jaypee Group



**Hon'ble Shri Manoj Gaur Ji**  
Group Chancellor, Jaypee Group



**Shri. Prof. S.C.Saxena**  
Pro Chancellor, JIIT

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