

# Computer Science Engineering (CSE)

2027 & 2028 Graduates

## Program Details (MTech/iMTech/BTech)

IIIT-Bangalore, established in 1999, offers a range of programs including BTech, Integrated MTech, MTech, and PhD in Computer Science, Electronics and Artificial Intelligence and Data Science. The CSE programs at IIIT-B aim to produce highly skilled professionals equipped to meet the demands of both industry and academia. The curriculum emphasizes a strong foundation in the principles of science and scientific methodologies and includes coursework, seminars, project work, internships, and research culminating in a thesis.

The institute boasts state-of-the-art infrastructure with modern classrooms, laboratories, and research facilities. IIIT-B actively collaborates with industries and research organizations to drive technological innovation. These partnerships provide students with valuable real-world exposure through internships and collaborative opportunities.

IIIT-B is dedicated to advancing research and education across diverse areas, such as Artificial Intelligence, Machine Learning, Software Engineering, Networking and Communication, Cybersecurity, Robotics, and Systems for Computing and Data.

[Learn more about IIIT-BANGALORE](#) ↗

## Specialization & Courses

### AI and ML

- Natural Language Processing
- Visual Recognition
- Reinforcement Learning
- Recommendation Systems
- Generative AI for Vision
- 3D Computer Vision
- Multi-agent Systems
- Theory of LLMs
- Topics in Quantum Computing
- Spatial Computing

- Geographic Information Systems
- Artificial General Intelligence
- Self Supervised Learning
- Spatio-Temporal Data Analysis

### Theory and Systems for Computing and Data

#### Theory

- A Computational Introduction to Number Theory
- Topics in Computability and Learning
- Concrete Mathematics
- Programming Languages
- Graph Theory
- Computational Topology
- Secure Computation
- Advanced and Approximate Algorithms
- Formal Verification
- Graph Neural Networks
- Compilers
- Exact and Parametrized Algorithms
- Computational Geometry

#### Systems

- Computer Graphics
- Software Testing
- Cryptographic Engineering
- Data Modelling
- Data Visualisation
- Software Production Engineering
- Software Architecture and Design Practices
- Software and Systems Performance
- Distributed Computing
- Cloud Computing
- High performance Computing

### Networking and Communication

- Wireless Access Networks
- Network Security
- Computer Networks (Basic and Advanced)
- Mathematical Analysis of Networks

## Cyber Security

- Foundations of Cryptography
- Foundations of Distributed Consensus and Blockchain
- Cyber Security (Basic and Advanced)
- Cryptographic Engineering
- Computing on Private Data
- Hardware Security

### Research & Labs

## E-Healthcare Research Center (EHRC)

- Brain Health Initiative (BHI)
- Mental Health Assistance Tele Mental Health Assistance and Networking Across States (Tele-MANAS)
- Karnataka Mental Health Management System (E-MANAS)
- Clinical Decision Support Solution (CDSS)
- Practice of Use Self Help for Depression (PUSH-D)
- Cranial Neuro-Navigation for Robotic Surgery

## Graphic Visualization Computing Lab

- LIDAR point cloud analytics and visualization
- Human brain functional connectivity community detection
- Population survey data visual and statistical analytics
- Chart data extraction and visual analytics
- Automated data extraction and text summarization of charts from images
- Natural hazard risk assessment and data analysis

## Machine Intelligence and Robotics Center

- Perception-driven robotics and automation
- Intelligent sensing and decision-making
- Humanizing Automation : AI Based Governance
- Multimodal Language Translation and Speech Technology
- Autism Detection with Visual Analytics
- Real time traffic analysis for efficient traffic management

## Web Science Lab

- Big Data Analytics for Policy Support
- Large scale retrieval models for multi-sensor data search
- Characterizes the problem of consent management in data trusts and proposes
- Creating a mechanism to locate a learner in the learning space

## Multimodal Perception Lab

- Real-time multimodal sensing and perception systems
- Human behaviour analysis using vision and interaction systems
- Distributed multimodal data processing frameworks
- Embodied conversational and human-computer interaction systems
- Edge-enabled multimodal perception systems
- Vision and speech integrated intelligent interface systems

## Scalable Data Science (ScaDS) Lab

- Streaming data Processing
- Data Anonymisation
- Explainable AI Systems using KG embeddings
- Neuro-Symbolic Representation and Structured Reasoning

## Modular Open Source Identity Platform

- Migration of Open Source Microservices
- Open-source single sign-on and authentication systems (eSignet)
- Secure identity and access management (IAM)
- Selective disclosure of JSON Web Token (JWT)

## Software Engineering and Analysis Lab

- Testing and verification of neural networks
- Model-driven software engineering
- Verification and validation of architectures for embedded software
- Automated Application Processing

### Publications

- ICONIP: International Conference on Neural Information Processing
- SIGIR: International ACM SIGIR Conference on Research and Development in Information Retrieval
- EMNLP: Conference on Empirical Methods in Natural Language Processing
- AAMAS: International Joint Conference on Autonomous Agents and Multiagents Systems
- IJCAI: International Joint Conference on Artificial Intelligence
- ICRA: International Conference on Robotics and Automation
- ICASSP: International Conference on Acoustics Speech and Signal Processing
- ICPR: International Conference on Pattern Recognition
- ICTAI: IEEE International Conference on Tools with Artificial Intelligence
- WACV: IEEE Workshop on Applications of Computer Vision
- ICDAR: International Conference on Document Analysis and Recognition
- PLOS ONE 18
- Journal of Simulation
- Physica A: Statistical Mechanics and its Applications
- International Journal of Human-Computer Studies

## Compensation Details (as of May 2026)

	Full-Time (CTC) (in Lakhs per annum)		Internship Stipend (Thousands/month)	
	MTech	iMTech	MTech	iMTech
Highest	62	153	140	250
Average	23.45	47.33	57.54	96.85
Median	20	41	50	100

\*Includes Off-Campus Offers

Internship Period for Graduating Batches		
2027 Graduates	2028 Graduates	
6 months*	Summer (2 months)	11 months#
15 Dec 2026 to 15 June 2027	15 May 2027 to 15 July 2027	1st August 2027 to 15 June 2028

Note: \*Available for FTE from July 2027 #Only iMTech and MTech

The Classes of 2027 and 2028 have demonstrated excellence in **competitive programming, research, and innovation**, strengthening IIIT-B's reputation for industry-ready talent. Students qualified for premier competitions including the **ICPC World Finals, World Quant Championship (IQC) finals**, and achieved top positions in hackathons such as **Smart India Hackathon, Flipkart GRiD, Amazon Smbhav, AWS Impact X Challenge, Google Gen AI Exchange, and Morgan Stanley Code to Give**. They have earned prestigious recognition through programs like, **DeShaw Desis Ascend, AnitaB Scholarships, and Women in AI/ML initiatives**. Students have also published research at leading conferences including **NeurIPS, RecSys, IEEE EMBC, DAC, and VLSID** reflecting a strong culture of innovation and real-world impact.

## Top Recruiters



## Higher Education and Research Universities



Write to IIIT-B Placement Office: [iiitb\\_placement@iiitb.ac.in](mailto:iiitb_placement@iiitb.ac.in) | [placement.committee@iiitb.org](mailto:placement.committee@iiitb.org)