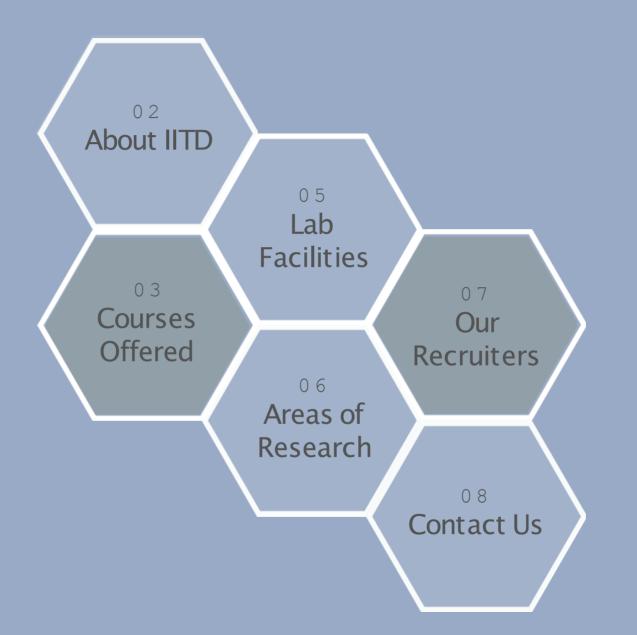# INDIAN INSTITUTE OF TECHNOLOGY DELHI

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

PLACEMENT BROCHURE 2022-23

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About IITD

NIRF Ranking No. 2 in Engineering Institutes in India and No. 4 in Overall Category

The Computer Science programme achieved 1st rank nationwide under QS World University Rankings by Subject, 2022

The Computer Science programme achieved 65th rank worldwide under QS World University Rankings by Subject, 2022

The department, established in 1982, has been ranked at the top in India (QS World University Rankings). It contains students from B.Tech, M.Tech, Dual Degree (B.Tech & M.Tech), MS and PhD with the commitment to pursue research and career in the application of computer science. The Department of Computer Science and Engineering at IIT Delhi is renowned for cutting edge research and for imparting state of the art education. The students are groomed under apt academic rigor which enables them to acquire skills to form efficient solutions for problems of industry and academics.

Courses Offered

- Introduction to Computer Science
- Data Structures and Algorithms
- Digital Logic and System Design
- Artificial Intelligence
- Computer Networks
- Machine Learning
- Advanced Data Structures
- Analysis and Design of Algorithms
- Architecture of High Performance Computing
- Parallel Programming
- Cloud Computing Technologies
- Data Mining
- Introduction to Logic and Functional Programming
- Computer Vision
- Discrete Mathematical Structures

- Software Systems Laboratory
- Digital Systems Design Laboratory
- Processor Design Laboratory
- Computer Architecture
- Compiler Design
- Operating Systems
- Introduction to Automata and Theory of Computation
- Introduction to Database Management
- Introduction to Parallel and Distributed Programming
- Numerical Algorithms
- Software Engineering
- Cryptography And Computer Security
- Advanced Algorithms
- Computer Graphics
- Advanced Functional Brain Imaging
- Advanced Distributed Systems
- System Level Design And Modelling
- Special Topics in Operating System

Courses Offered

- Special Topics in Artificial Intelligence
- Special Topics in Concurrency
- Embedded System Design Project
- Design Practices
- Deep Learning
- Reinforcement Learning
- Wireless Networks
- Natural Language Processing
- Compiler Optimizations
- Logic For Computer Science
- Algorithmic Graph Theory
- Information Retrieval And Web Search
- Advanced Topics In Embedded Computing
- Special Topics In Hardware Systems
- Special Topics In Software Systems
- Special Topics In Theoretical Computer Science

- Special Topics In Computer Applications
- Special Topics In High Speed Networks
- Special Topics In Database Systems
- Programming Languages
- Advanced Computer Networks
- Digital Image Analysis
- Proofs And Types
- Special Topics In Algorithms
- Special Topics In Cryptography
- Special Topics In NLP

Lab Facilities

- Architecture Lab
- Assistive Technology Lab
- Centre for Excellence in Tactical Graphics Lab
- Cloud and High-Performance Computing Lab
- Cyber Security Lab
- Data Analytics and Intelligence Research Lab
- Database Lab
- Digital Hardware Design(DHD) Lab
- Networks Lab
- Graphics and Vision Lab
- Indo German Max-Planck Centre for CSE Lab
- Information and Communication Technology for Development (ICTD) Lab
- Medical Application of IT Lab

- Kriplani Mobile and M to M Advanced Technologies Lab
- Verification Lab
- Virtual Reality Lab
- VLSI and Tools Lab

Areas of Research

- Algorithms and Complexity Theory
- Artificial Intelligence and Machine Learning
- Natural Language Processing
- Databases and Data Analytics
- Architecture and Embedded Systems
- Graphics and Vision
- Computer Networks and Distributed Systems
- Programming Languages, Semantics and Verification
- Operating Systems, High Performance Computing and Software Systems
- Compilers
- Information and Communication Technologies for Development
- Neuroinformatics and Medical Informatics
- Cyber Security and Secure Information Systems

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[Website Link](#)

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