

IIT Patna

Placement Brochure

Department of
Computer Science
and Engineering

M.Tech .
Batch : 2017-2019



About Us

A journey to the global academic summit that touches every aspect of national life in its wake is the primary goal of the department. The department came into existence in 2008 with miniscule faculty strength and minute undergraduate student body. This inadequacy was no deterrent to its bold decision to start the doctoral program right away.

The department has not looked back since then. It has witnessed a manifold raise in the size of the vibrant student body. Presently, all efforts are geared towards making this the first choice of aspiring undergraduates. This is being groomed to be the favored destination for research scholars brimming with ideas. Faculty strength is all set to multiply many times over with the planned addition of young and dynamic persons flashing enviable academic and research records.

The department boasts of generously equipped teaching and research laboratories. Doctoral candidates are liberally supported either by scholarships or by sponsored fellowships. Sponsored research and developmental activities add muscle to the buzzing academics.

Future beckons this young department.

Courses Offered

Core Subjects

1. Foundations of Computer Systems
2. Probability Statistics and Stochastic Processes
3. Foundations of Theoretical Computer Science
4. Design and Analysis of Algorithms
5. Systems Lab

Electives

1. Advances in Algorithms
2. Advanced Graph Theory
3. Artificial Intelligence
4. Introduction to Network Science
5. Distributed Systems
6. Formal methods for analysis and verification
7. Natural Language Processing
8. Introduction to Deep Learning
9. Cryptography



Project List

1. Multi view based clustering technique for gene clustering
2. Machine learning based Intrusion detection/ prevention Technique
3. Cloud Computing- Energy Efficiency
4. Deep Learning for Emotion Analysis/Hate Speech Detection/Rumour Detection
5. Machine learning approach for Understanding Internet of Things data
6. Application of deep learning in smart grid
7. Data Linking using Multiple Social Networks
8. Twitter User Localization - predicting user's location from user's behavior, language used, persons users follow and other features.
9. Machine Learning Approach in Program Analysis/Verification
10. Attack Analysis using Software Reverse Engineering
11. Medical Image Denoising / Image Restoration
12. Online Algorithms using Primal Dual Approach

Research Labs

1. Elsevier Centre for Excellence of Natural Language Processing.
2. Shusrut: ezDI Research Lab on Health Informatics.
3. Advanced Computing Lab.
4. Embedded Systems Integration Lab
5. Network Security Lab

R&D and Industrial Consultancies

1. On Increasing Concurrency in Transactional Memory Systems
2. Building an Efficient STM System using Conflict - Graphs
3. "Data Science Programs" on NLP and Machine Learning.

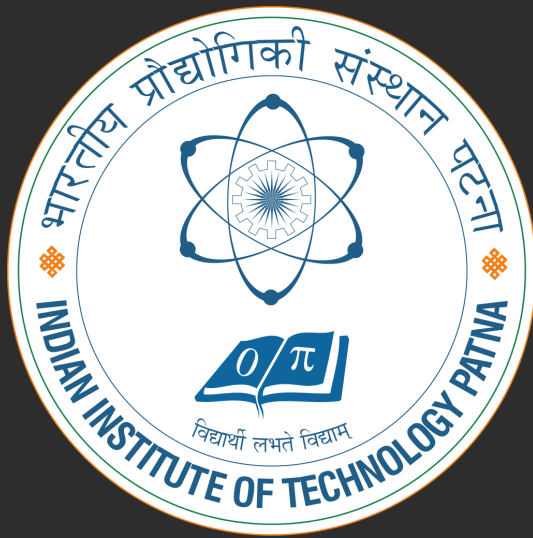
Some Past Recruiters



1. Amazon India
2. Finisa
3. Direct i (Flock and Media.Net)
4. Microsoft
5. Infosys Ltd.
6. TCS CTO
7. Smartprix Pvt. Ltd.
8. ezDi Data Intelligence
9. Samsung R&D
10. Deloitte
11. Siemens
12. Cisco

Internship Providers

1. IIT Madras
2. IIT Bombay
3. IIIT Hyderabad
4. NUS Singapore
5. TU Germany
6. NTU Singapore
7. NetApp
8. TCS Innovation Labs
9. Microsoft (IDC)
10. KPIT
11. Mathworks
12. Wipro Ltd.



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