



FACULTY GROUP



Prof. Pushpak Bhattacharvva



Dr. Asif Ekbal



Dr. Sriparna Saha



Dr. Arijit Mondal



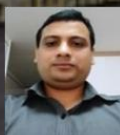
Dr. Ashok Singh Sairam



Dr. Jimson Mathew



Dr. Joydeep Chandra



Dr. Sourav Kumar Dandapat



Dr. Abyayananda Maiti



Dr. Rajib Mishra



Dr. Samrat Mondal



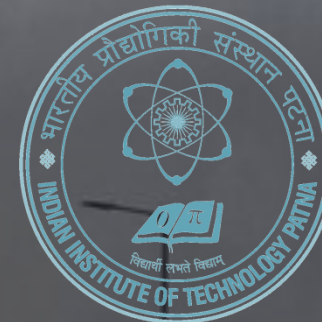
Dr. Somnath Tripathy



Dr. Raju Halder



Dr. Suman Kumar Maji



INDIAN INSTITUTE OF TECHNOLOGY, PATNA

COMPUTER SCIENCE AND ENGINEERING

M.TECH.

BATCH: 2016-2018

PLACEMENT BROCHURE

CONTACTS

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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 COURSES

1. Foundation of Computer Systems.
2. Foundations of Theoretical, Computer Science
3. Data Structures and Algorithm.
4. Probability, statistics and stochastic processes.

ELECTIVE COURSES

1. Artificial Intelligence.
2. Computer and Network Security.
3. Distributed System.
4. Network Science.
5. Database Systems.
6. Pattern Recognition.
7. Wireless Networks.
8. Large Scale Scientific Computation.
9. Software Testing.
10. Formal Methods for Analysis & Verification.
11. CAD for VLSI.

PROJECT LIST

1. Textual Entailment using Deep Learning.
2. Community detection Algorithm.
3. Learning to Track objects with Deep Regression Networks.
4. Solving Computer Vision Problems using Deep Learning.
5. Machine Learning in Distributed System.
6. Mining drug abuse vulnerabilities on Social Networks.
7. Multi-objective Multi-label Classification.
8. Extraction, fusion, consolidation and classification of product reviews from web markup.
9. Tweet data analysis for demographic details.
10. Collaborative intrusion detection system using deep learning.



SPONSORED PROJECTS

1. Vehicular Sensor and Mesh Networks based Future ITS.
2. Information Leakage Analysis of Database Query Languages.
3. Development of an efficient authentication scheme to be used in public domain.
4. Development of authentication and key management for battle field communication network.
5. Development of an efficient authentication scheme to be used in public domain.
6. Optimization Techniques for Human Language Technology.
7. Development of Some Novel Methods for Semi-supervised Machine Learning and its Applications to Language Technology.
8. Development of solution to defend against Collaborative attacks in Peer-to-Peer networks.
9. Tunable Synchronization of Spatially Distributed Cyber-Physical Systems.
10. SmartWeather: Location based Deep weather event prediction using spatial big data computing.
11. A Software Tool for the Planning and Design of Smart Micro Power Grids.
12. An Open Platform for Multilingual Event Monitoring in Indian Languages.
13. Speech based Patient Assisted System.

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.

