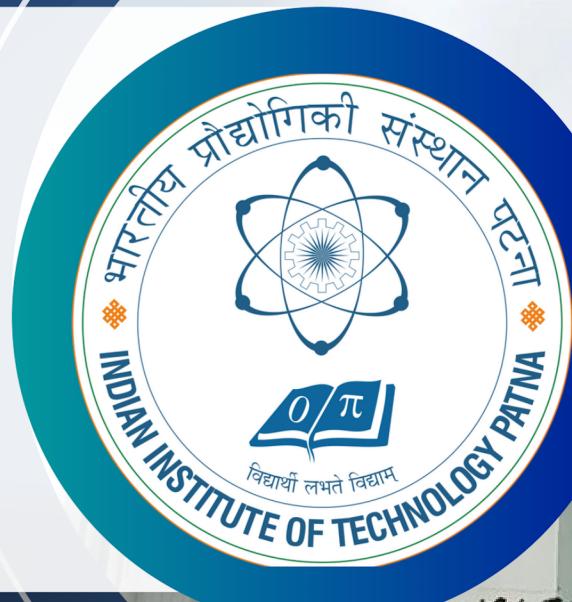




INDIAN INSTITUTE OF TECHNOLOGY PATNA

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

M.TECH PLACEMENT BROCHURE



TPC@IITP.AC.IN

+91-9009967000

WWW.IITP.AC.IN/PLACEMENT



2023-2024

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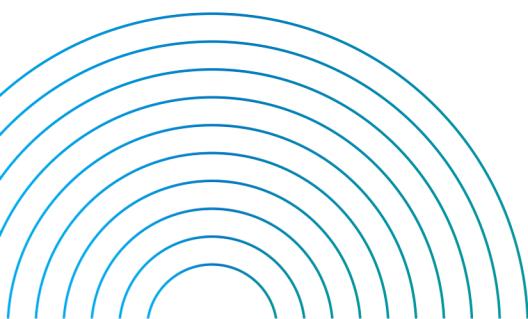




ABOUT DEPARTMENT



The department of Computer Science and Engineering came into existence in 2008 with minuscule faculty strength and a minute undergraduate student body. This inadequacy was no deterrent to its bold decision to start the doctoral program right away. The department offers Bachelor's degrees, Master's degrees, and Ph.D. in various specialized areas of Computer Science. The department stands strong today, boasting a multitude of accomplished faculty members, and a vibrant student body. The department is all set to extend collaborations with more universities across the world, harboring new ideas and providing solutions to industrial and government projects. The department boasts of generously equipped teaching and high- performance industrial-grade research laboratories. Doctoral candidates are liberally supported either by scholarships or by sponsored fellowships. Sponsored research and developmental activities add muscle to buzzing academics.





H-index : 31
i10-index : 134
Citations : 5620

Ranked among the top 2% of scientists in the world by Stanford University

Dr. Sriparna Saha

Research Areas:
Machine Learning, Text Mining, Pattern Recognition, Multiobjective Optimization, Bio-Text Mining, Bioinformatics, Soft Computing



H-index : 41
i10-index : 166
Citations : 6117

Ranked among the top 2% of scientists in the world by Stanford University

Dr. Asif Ekbal

Research Areas:
Natural Language Processing, Machine Learning, Information Extraction, Text Mining, Dialogue Systems, Machine Translation



H-index : 23
i10-index : 70
Citations : 2318

Dr. Jimson Mathew

Research Areas:
Fault Tolerant Computing, VLSI Design and Methodologies, Reliability Aware Designs, Hardware Security etc.



H-index : 13
i10-index : 17
Citations : 596

Dr. Raju Halder

Research Areas:
Blockchain Technology and Smart Contracts, Machine Learning and AI in/for Blockchain Technology, Blockchain for Cybersecurity, Formal Methods for Program Analysis and Verification, Information Systems Security, and Robotics



H-index : 8
i10-index : 6
Citations : 234

Dr. Joydeep Chandra

Research Areas:
Social media mining, Social Networks Modeling, Diffusion of Information and Influentials Identification



H-index : 14
i10-index : 27
Citations : 614

Dr. Samrat Mondal

Research Areas:
Security & Privacy, Database & Data Mining Applications, and Energy management & Intelligent transportation systems

03.

FACULTY PROFILE



H-index : 11
i10-index : 14
Citations : 534

Dr. Somanath Tripathy

Research Areas:
Blockchain, Cloud Security, IoT Security,
Machine Learning Security



H-index : 14
i10-index : 28
Citations : 1034

Dr. Rajiv Misra

Research Areas:
Distributed Systems, Cloud Computing, Big Data
Computing, Consensus in Blockchain, Cloud IoT Edge
Computing, Adhoc Networks and Sensor Networks



H-index : 9
i10-index : 9
Citations : 275

Dr. Mayank Agarwal

Research Areas:
802.11 Wireless Network Wi-Fi Security Discrete
Event Modeling



H-index : 6
i10-index : 5
Citations : 123

Dr. Abyayananda Maity

Research Areas:
Online Algorithms, Complex Networks, Social
Networks, Big Data



H-index : 5
Citations : 63

Dr. Arijit Mondal

Research Areas:
CAD for VLSI, Analog EDA



H-index : 8
i10-index : 7
Citations : 221

Dr. Sourav Kumar Dandapat

Research Areas:
Wireless Networking Mobile Social Computing Human
Computer Interaction



H-index : 7
i10-index : 4
Citations : 158

Dr. Suman Kumar Maji

Research Areas:
Image Processing, Machine Learning & AI,
Computer Vision, Biomedical Imaging,
Bioinformatics



H-index : 9
i10-index : 9
Citations : 278

Dr. Chandranath Adak

Research Areas:
Computer Vision, Document Image Analysis,
Data Science, Deep Learning, Reinforcement
Learning



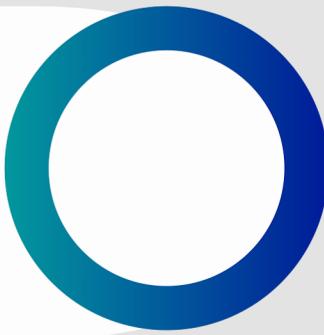
H-index : 3
i10-index : 1
Citations : 63

Dr. Satendra Kumar

Research Areas:
Wireless Networks, Network
Economics, Mechanism Design, Game-Theoretic
Applications, Internet of Things (IoT), Machine
Learning, Vehicular Networks



ALMUNI NETWORK



Nidhi Thakur
Software Engineer
Rakuten , Japan



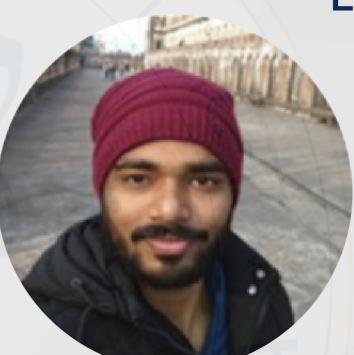
Daipayan Chakder
Software Engineer
Oracle



Chandresh Kanani
Software Engineer
Citadel Securities ,
London



Sayanta Paul
Research Engineer
Ola



Satish Kumar
Software Engineer
Netapp



Vivek Kumar
R&D Engineer
Synopsis



Tanisha Tiwari
Software Engineer
Samsung



Avinash Kumar Singh
Researcher
TCS R&I Labs

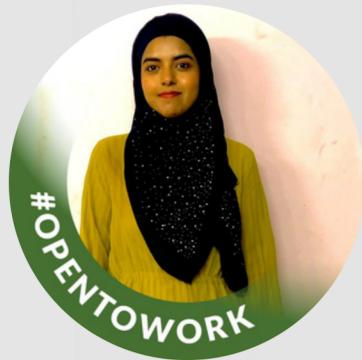
M.TECH CS23 PASSOUTS



Sujay Verma
MTS
Oracle



Pallavi Pal
Software Engineer
BEL ,Raapid.ai



Sofia Jamil
Software Engineer
Mariana



Mayank Singh
MTS
Oracle



Shashdhar
Software Engineer
Cognam



Sharique Hayat
Software Engineer
Rakuten , Japan



Abhishek Jangid
Software Engineer
OYO



Shaubhik Bhattacharya
Software Engineer
Amazon



Samrat Mukherjee
Software Engineer
Innoplexus

07.

COURSE OFFERED

SEMESTER-I

1. Foundation of Computer System
2. Probability and Stochastic Processes
3. Computer Systems Lab I
4. Technical Communication



ELECTIVE-I

1. Introduction to Blockchain and Cryptocurrency
2. Artificial Intelligence
3. Foundation of Machine Learning
4. Network Science
5. Time Series Analysis



SEMESTER-II

1. Foundation of Theoretical Computer Science
2. Design and Analysis of Algorithms
3. Computer Systems Lab II



ELECTIVE-II

1. Introduction to Deep Learning
2. Natural Language Processing
3. Advance Machine Learning
4. Cloud Computing
5. Network Security
6. Blockchain

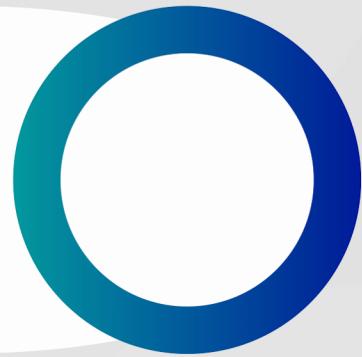




MTP PROJECTS

Faculty Name	Projects
Mayank Agarwal	Wifi Security, ML DL Security Attacks, Application of ML to inter-disciplinary areas
Rajiv Misra	Cloud Edge ML, Deep learning for Self Driving Car, Metaverse AR VR, Microsoft Azure ML
Chandranath Adak	Deep learning/ Advanced machine learning, Computer vision, Medical imaging, Reinforcement learning, Biometrics and computer forensics
Somanath Tripathy	Secure Blockchain application design, Developing Malware detection technique
Sourav Kumar Dandapat	Comprehensive Reading, Summarisation
Sriparna Saha	Multimodal Summarization, Multimodal Recommendation, Multimodal Complaint Mining, Multimodal Hate Speech Detection, Conversational Agents for Designing Some Virtual Doctors
Joydeep Chandra	Graph Neural Networks Pretraining Techniques for multiple downstream tasks, Data-free Knowledge Distillation Techniques, Explainable models for Rumors, Fake Content Detection and Virality Prediction
Jimson Mathew	AI Driven Intelligent Tool for Personalised Risk Stratification and Early detection of Stroke, Developing a Deepfake Detection Tool for Social Media Platforms, DEVELOPMENT OF RADIOMICS AND ARTIFICIAL INTELLIGENCE AUGMENTED IMAGING BIOMARKERS AND COMPUTER AIDED TOOLS FOR PREDICTION OF STROKE EVOLUTION, Artificial Intelligence Powered Remote Sensing based Lightning and Hailstorm Alert System
Raju Halder	Blockchain-based Insurance Administration System for Metaverse with ML-based Predictive Analytics, Blockchain-based Medical History Management with a support of Deep-Learning Based Health Analytics, Deep Learning Approach for Hostage Crime Scene Detection, Integrating Deep Learning and Blockchain
Satendra Kumar	Pricing Policy for Internet of Things, Incentive Design for Next Generation Networks
Samrat Mondal	App Development for various Electric Vehicle Related Services, Data Collection Framework for Smart City, Deepfake video detection, Data recovery using forensic analysis
Asif Ekbal	Empathetic Conversational Artificial Intelligence (Chatbot), Knowledge Grounded Dialogue System, Multimodal Sentiment and Emotion Analysis, Knowledge Graph enabled Question-Answering in Medical Domain, Neural Machine Translation in Low-resource Languages/Explainable NLP
Suman Kumar Maji	Topics related to real time application of computer vision in AI, Topics related to application of deep learning in imaging
Arijit Mondal	Neural network verification and debug, Deep learning for smart manufacturing, Electric / Green vehicle routing problem, Explainable AI
Abyayananda Maiti	Optimisation in Deep Learning, Online Algorithms

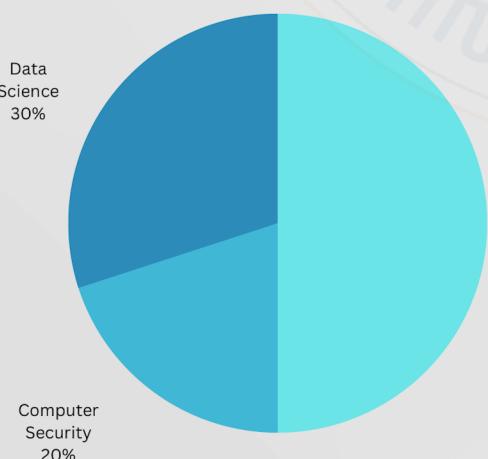
STUDENT DEMOGRAPHICS



AREAS OF INTERESTS

- Software Development 82%
- Research and Development.
- Data Science.
- Wireless Technology.
- Consultancy

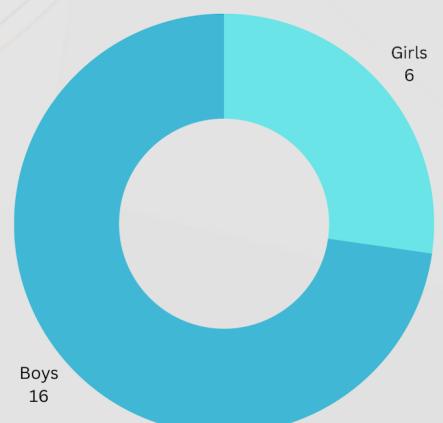
40% have prior work experience in a wide spectrum of domains



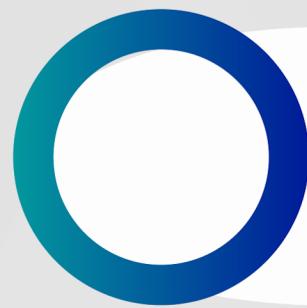
Software
Development
50%

Boys
16

Girls
6



10.



INTERNSHIP

INDUSTRIAL

CRISIL

An S&P Global Company

intel

tcs
Research



BOSCH



芯华章
X-EPIC



RBL BANK

MEDIATEK



National
College of
Ireland



MTU

Ollscoil Teicneolaíochta na Mumhan
Munster Technological University

RESEARCH

PAST RECRUITERS

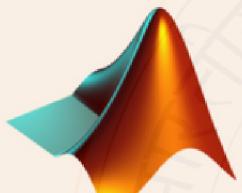


NetApp™

Google



SAMSUNG



cisco

ORACLE

SYNOPSYS®

Microsoft



accenture

amazon Deloitte.

TCS TATA
CONSULTANCY
SERVICES

Flipkart



Capgemini



Adobe

SIEMENS
Ingenuity for life

Infosys

paytm



NVIDIA.

& MANY MORE....

TECHNICAL ACTIVITIES



Google
Summer of Code

Significant rise in the number of students being selected for Google Summer of Code over the years.



Njack is the coding club of IIT Patna with a rich coding culture and comprises members who are technically sound. Students here believe in 'Innovation through collaboration' and various contributions are made to the open-source projects across a broad range of fields

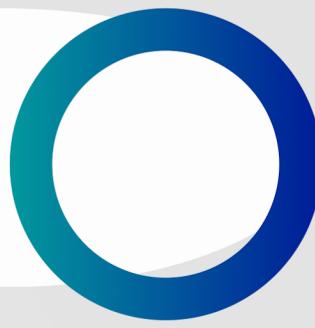


**Students participate actively in coding contests.
Many significant achievements were made at ACM-ICPC, Google CodeJam, Snackdown etc.**

Regular hackathons are organized with both broad and specific agenda.



CONTACTS



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+91 9991574807

THANK YOU

