

INDIAN INSTITUTE OF TECHNOLOGY PATNA

MASTER OF SCIENCE

DEPARTMENT
OF MATHEMATICS

PLACEMENT BROCHURE
2020 - 2021



About the department

The department of mathematics at IITP established in August, 2008 has emerged as a centre for excellence in mathematics and allied areas in terms of research, teaching and mentoring of undergraduate and post graduate students.

Currently faculty members of the department are engaged in research areas such as Bayesian statistics, Data Mining, Fuzzy Optimization, Geometric Topology and Topological Graph Theory, Mathematical Control Theory, Multi-objective Programming, Mathematical Modelling of HIV dynamics, etc.

The four-semester program makes the student industry and research oriented. The academic curriculum includes core courses and electives to develop a strong theoretical base along with a final year project and Thesis.

Strength of 2019-2021 batch -18



COURSE STRUCTURE :

CORE SUBJECTS :

- Probability and Statistics
- Data Structure and Programming
- Numerical Analysis
- Ordinary and Partial Differential Equations
- Operations Research
- Linear Algebra
- Real and Complex Analysis
- Combinatorics

Electives :

- Statistical Inference
- Mathematical Modeling
- Graph Theory
- Convex Optimization
- Statistical Decision Theory
- Control Theory
- Biomathematics
- Rings and Modules
- Algebraic Topology



LAB FACILITIES :

- Computational Research Laboratory
- Signal Processing For Wireless Communication Laboratory

R&D and CONSULTANCIES :

- Estimation with censored data
- Underwater target motion analysis with passive sensors
- Nonlinear Singular Differential equations arising in real life
- A classification of d-covered triangulations and semi-equivelar maps on surfaces

RESEARCH AREAS :

Algebraic Coding Theory ,Statistical Decision Theory ,Combinatorial Topology , Mathematical Control Theory ,Multi-Objective Programming , Non-linear Optimization ,Stochastic Differential Equations ,Mathematical Modeling in Ecology and Epidemiology ,Mathematical Modeling of HIV Dynamics :vivo ,Wireless Communications and Signal Processing , Algorithmic Graph Theory ,Wavelet Transforms ,Numerical Analysis

Faculty :

Dr. Om Prakash (Ph.D, Banasthali University ,Rajasthan)

HEAD, Department of Mathematics.

Dr. Pratibhamoy Das (Ph.D , IIT Guwahati , M.Sc. IIT Bombay)

Dr. Ashish Kumar Upadhyay(Ph .D, IISc Bangalore)

Dr. Prashant Kumar Srivastava(Ph.D, IIT Kanpur)

Dr.Subhabrata Paul(Ph.D , IIT Delhi)

Dr . Nutan Kumar Tomar(Ph.D, IIT Roorkee)

Dr. Yogesh Mani Tripathi(Ph.D ,IITKharagpur)

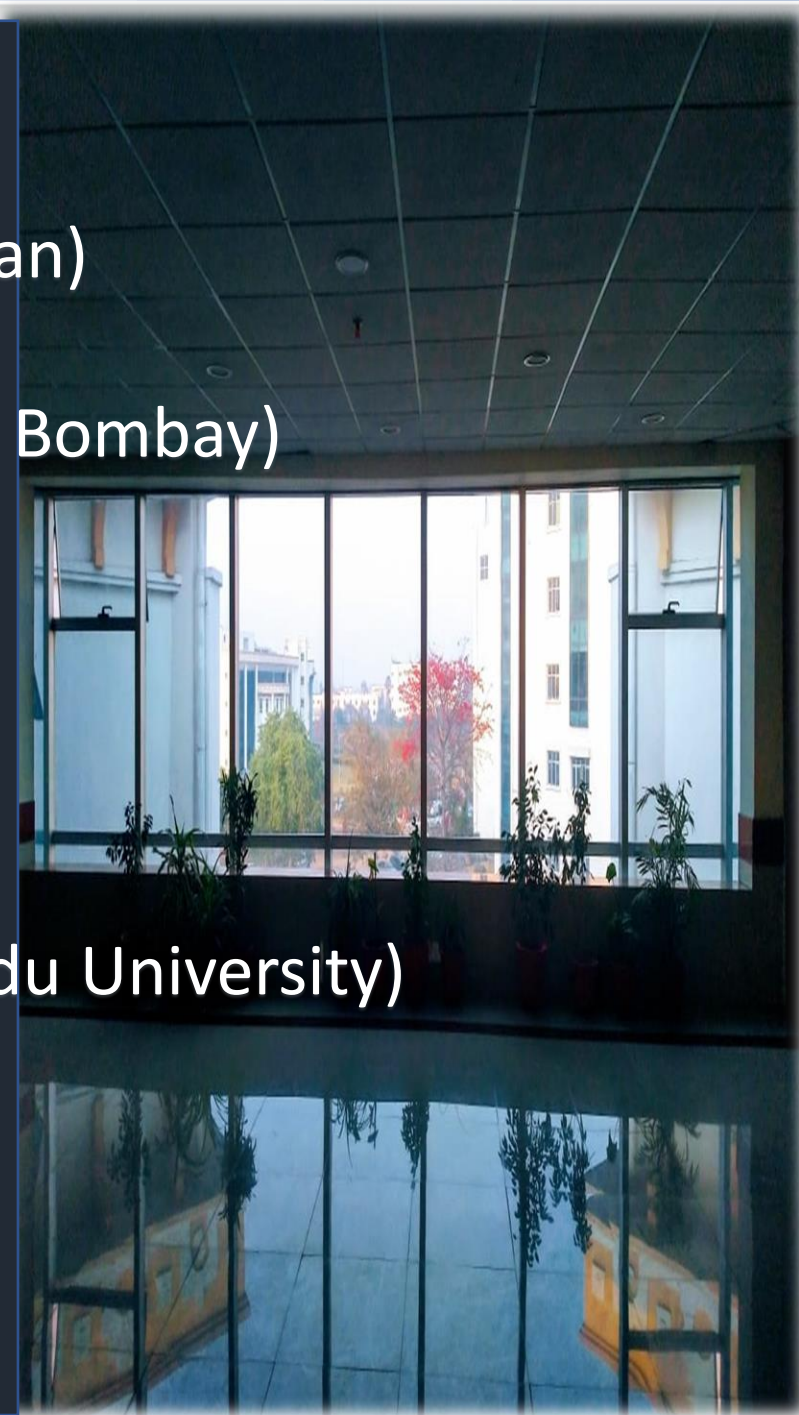
Dr. Balendu Bhooshan Upadhyay(Ph.D ,Banaras Hindu University)

Dr. K.Saloni(Ph.D ,IIT Guwahati)

Dr.Amit Kumar Verma(Ph.D, IITKharagpur)

Dr.Shailesh Kumar Tiwari(Ph.D, IITDelhi)

Dr. Rahul Kumar Singh(Ph.D ,HRI Prayagraj)



Why Hire Us

Master of Science is a unique program which aims to train smart students who can forge themselves as per the Need and work smartly in the age of smart materials and Technologies. Students are adabtable to the working environment and capable of learning new skills with strong conceptual understanding and excellent hands on experience .

Our students are competent in a wide variety of programming languages and software tools directly relevant to industry . Our industrial programme is a way to exchange new ideas combined with fresh enthusiasm and knowledge of the latest technology ,the opportunity to encourage and invest in future leaders .



Contact us :

Mr. Kripa Shankar Singh

Training and Placement Officer

Email : tpc@iitp.ac.in

Phone No : +91-8102917501

Training and Placement Cell:

Email: tpc@iitp.ac.in

Phone No : +91-612-3028083

www.iitp.ac.in

Priya Siddharth

Assistant Head Co-Ordinator

Email : 1912ma13@iitp.ac.in

Phone : +91-9005306834

Bishal Biswas

Assistant Head Co-Ordinator

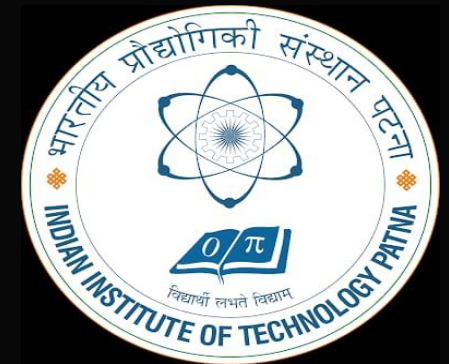
Email : 1912ma03@iitp.ac.in

Phone : +91-9706702655

IIT PATNA

M.Sc. Mathematics

Batch :2020-2021



Dr. Om Prakash

Head ,Department of
Mathematics

Phone :06123028347

Email :om@iitp.ac.in