



INDIAN INSTITUTE OF TECHNOLOGY, PATNA

Placement Brochure 2023-24

M.Sc Mathematics





ABOUT US:

- ❓ Department of Mathematics at IIT Patna is one of the well established and leading departments contributing towards research as well as industries.
- ❓ The course is designed in such a way that helps students to excel in their academic as well as technical skills.
- ❓ Being a Basic Science course, students are more interested to get into depth of the matter and provide appropriate solutions.
- ❓ Students are well aware of statistical and mathematical approaches which helps in solving many industrial as well as day-to-day life problems.

OBJECTIVE

The Department of Mathematics, Indian Institute of Technology Patna, has always strived to be amongst the best mathematics departments in the country and has worked towards becoming a centre of excellence for advanced research in various areas of Mathematics. The department functions to create individuals with a strong foundation of the subjects and their practical attributes, which paves the way for their expertise in research in various disciplines of mathematics and a competent and motivated mind to excel in the industrial sector.

MISSION

- **Learning and Innovation:** To adopt diversified teaching techniques which have not only ignited the quest for in-depth knowledge but have also fuelled the creative part of the mind leading to innovative thinking and ideas in various facets.
- **Building a strong personality:** To inculcate within students the ability to handle stress and pressure and tackle all emotional ambiguities which prepare them to face the real world.
- **Extra-curriculars:** To provide a platform to the students to nurture their talents in different aspects along with academics.

COURSE STRUCTURE

The course structure for M.A./M.Sc. Mathematics is divided into four semesters where Semester 1 and Semester 2 comprise the study of Core Courses and Semester 3 and Semester 4 comprise the study of Elective Courses. It includes the following subjects:-

<u>SEMESTER 1</u>	<u>SEMESTER 2</u>	<u>SEMESTER 3</u>	<u>SEMESTER 4</u>	<u>ELECTIVE 3RD</u> <u>SEMESTER</u>	<u>ELECTIVE 4TH</u> <u>SEMESTER</u>
<ul style="list-style-type: none"> Linear Algebra Real Analysis Data Structure and Programming Language Algebra Ordinary Differential Equations Technical communication 	<ul style="list-style-type: none"> Topology Complex Analysis Measure and Integration Probability and statistics Numerical Analysis 	<ul style="list-style-type: none"> Functional Analysis Partial Differential Equation Operations Research Elective Elective Project 	<ul style="list-style-type: none"> Combinatorics Differential Geometry Elective Elective Elective Project 	<ul style="list-style-type: none"> Algebraic Topology Basic Number Theory Control Theory Graph Theory Introduction to coding theory Mathematical method Mathematical modelling Statistical Inference 	<ul style="list-style-type: none"> Algebraic Topology Basic Number Theory Control Theory Graph Theory Introduction to coding theory Mathematical method Mathematical modelling Statistical Inference



Prof. T.N. Singh,
Director, Indian
Institute of
Technology
Patna

The Indian Institute of Technology Patna is one of the new IITs established by an Act of the Indian Parliament on August 6, 2008 and is recognized as an Institute of National Importance by the Government of India. Currently, IIT Patna has ten departments which offer B.Tech., M.Tech., M.Sc., and Ph.D. programs. Since its inception, IIT Patna has pursued excellence with steadfast determination. The Institute has developed modern facilities that are fully equipped with state-of-the-art facilities that are routinely used to train and educate students. Also, we keep our curriculum updated and provide ample extra-curricular opportunities for the students. As a result, our students excel both in knowledge and leadership skills.

Patna has been a center of knowledge and a land of visionaries since long and has been attracting visitors and scholars from many parts of the world. Some of the legends from this region include Lord Gautam Buddha, Lord Mahavir, Guru Gobind Singh, the famous astronomer Aryabhata, and the first President of India, Dr. Rajendra Prasad. IIT Patna strives to carry the baton passed through these visionaries to become a beacon of knowledge and wisdom.

IIT Patna invites the recruiters to the Campus Recruitment Program for 2022-23 Batch, to give this batch of graduating students an opportunity to prove themselves and to add value to the organizations they join. We assure you that this will be a positive experience for the recruiters and a step forward in improving upon past relations and building new ones.

I welcome you to become a part of our story and to form a long-lasting association with the institute.

Prof. T.N. Singh,

Director, Indian Institute of Technology Patna

Faculty

DR. Prashant
kumar srivsdtsva
Associate Professor



DR. NUTAN KUMAR
TOMAR
Associate Professor



PROF. OM PRAKASH



DR. YOGESH MANI
TRIPATHI
Associate Professor

Dr. Amit Kumar Verma
Associate Professor



Dr. Pratibhamoy Das
Asst. Professor

Dr. Subhabrata Paul
Asst. Professor



Dr. Balendu Bhooshan
Upadhyay
Asst. Professor

Dr. Shailesh Kumar
Tiwari
Asst. Professor



Dr. Rahul Kumar Singh
Asst. Professor

Dr. K. Saloni
Asst. Professor



Dr. Kuldip Singh Patel
Asst. Professor





DEPARTMENTAL ACHIEVEMENTS

- ❓ Sekh Kiran Ajj (Batch-2022) secured **AIR-04** in **GATE Mathematics 2022**.
- ❓ Sayan Acharya (Batch-2023) secured **AIR-016** in **GATE Mathematics 2023**.
- ❓ Prof. Dr. Pratibhamoy Das was listed in **TOP 2% Scientists** of the world. Also, member of **American Mathematical Society (AMS)**.
- ❓ Prof. Dr. N.K. Tomar (HOD, Department of Mathematics) is member of **Indian Mathematical Institute (IMS)** and **Indian Society Of Industrial and Applied Mathematicians (ISIAM)**.
- ❓ Prof. Dr. Yogesh Tripathi received project sponsorship from **DST, Govt. of India** for **“Estimation with Censored Data”**.
- ❓ Prof. Dr. B.B. Upadhyay won **IMS Prize** for presenting Best Research Paper and **78th Annual Conference** of **Indian Mathematical Society (IMS)**.

WHY HIRE US ?



US



COMPANIES

Benefits

Smart Thinkers

Great Problem Solving
Approach

Fast to adapt

Experience

College Projects,
Workshops

Been involved in
leading various posts
for the institute

Good Connection and
Communicational Skills

Features

Great coordination as a
group.

Mathematical Approach
with soft skills.

Great explorer.

Wants

Fast To Adopt Things

Understand and
coordinate well with
People

Smart approaches

Fears

Losing Positions

Locked Into A Fixed
Environment

Needs

Problem Solver

Healthy Environment

Save Money and
Information.

SENIOR DATA OF PLACEMENT

Salary data

■ lakh

minimum

7.25

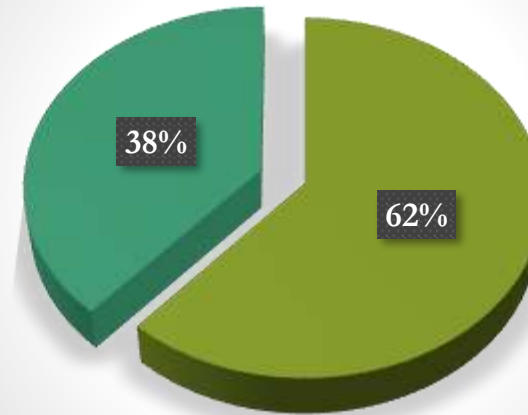
Average

9.275

maximum

32

Placement data



PAST RECRUITERS



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