



# PLACEMENT BROCHURE

DEPARTMENT OF MATHEMATICS

BIRLA INSTITUTE OF TECHNOLOGY

2024-2025





## **ABOUT THE DEPARTMENT**

The prestigious Department of Mathematics, BIT Mesra, started the five-year Integrated M.Sc programme in Mathematics and Computing in 2011, when it noticed the need for a comprehensive amalgamation of the theoretical and practical aspects of mathematics with Computer Science.

## **PROGRAMS OFFERED**

**Five year Integrated M.Sc.  
programme in  
Mathematics and  
Computing**

**Two year M.Sc. in  
Mathematics**

**Ph.D. programme**

# COURSES OFFERED

## Computer Science & Advanced Mathematics

- Human Anatomy and Physiology
- Pathophysiology
- Computer Applications in Pharmacy
- Environmental sciences
- Pharmaceutical Microbiology
- Pharmaceutical Engineering
- Pharmacology
- Pharmacognosy and Phytochemistry I
- Pharmaceutical Jurisprudence
- Industrial Pharmacy

## Pure Mathematics & Statistics

- Complex Analysis and Measure
- theory Number Theory Functional
- Analysis Linear Algebra and
- Modern Algebra
  
- Sampling Theory and Design of Experiments
- Stochastic Process and Simulation
- Probability and Statistics
- Statistical Inference

# RESEARCH AREAS

- Deep learning Bayesian Regression
- Probability of real roots in quadratic equation
- Pythagorean fuzzy approach
- Analysis of TOPSIS & TODIM
- Public policy
- Stakeholders Data statistics
- Machine learning
- State of the art model
- Data science
- Classification algorithm
- NLP
- Social computing



# ACHIVEMENTS

01

- Akanksha Singh, Kanak Raj and Yash Khandelwal reached Smart India Hackathon Finals.
- Ritika Kumari stood 2nd in Accenture 's CTRL+HACK+INSERT Sustainability Hackathon.
- Kanak Raj is a visiting researcher at Saarland University.
- Mansi Kanoi cleared level 1 Chartered Financial Analyst

02

- Akshat Dubey, Rohit Singh Rathaur won the National level competition EXL EQ2022
- Yash Khandelwal secured 2nd rank in the Analytics Olympiad 2021 organized by Shiv Nadar University & Analytics India Magazine (AIM).
- Vivek Nigam selected for Google Summer of Code 2020 Program to work for European Organization for Nuclear Research (CERN) for three months

03

Debarun Sarbabidya is accepted at the University of Nottingham, Queens University of Belfast and Elliott School of International Affairs at the George Washington University for pursuing higher studies in the field of Economics.

# OUR RECRUITERS





Let's Get In Touch

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