BIRLA INSTITUTE OF TECHNOLOGY

MESRA, RANCHI – 835215 | www.bitmesra.ac.in

Placement Brochure

DEPARTMENT OF MATHEMATICS

Year: 2023–24

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.

Programmes Offered

- Five year Integrated M.Sc. programme in Mathematics and Computing
- Two year M.Sc. in Mathematics
- Ph.D. programme

Courses Offered

A first-class college experience

Compter Science

- Database Management System
- Computer Graphics
- Computer Networks
- Operating Systems
- C Programming
- Data Mining and Warehousing
- Cryptography and Network Security
- Formal Language and Automata Theory

Advance Mathematics

- Advanced Operations Research
- Discrete Mathematics
- Fuzzy Logic
- Optimization Technique
- Mathematical Modelling
- Integral Transformation
- Numerical Methods
- Partial Differential Equations

Pure Mathematics

- Complex Analysis and Measure theory
- Number Theory
- Functional Analysis
- Linear Algebra and Modern Algebra

Statistics

- 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
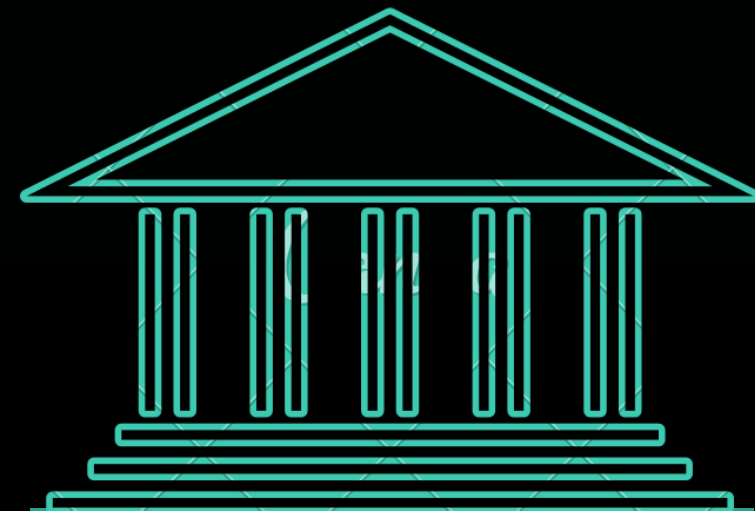- NLP
- Social computing

Achievements

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

Trainings and Internships

Trainings

- Microsoft
- media.net
- Times Internet
- Animall
- CRED
- Foxsense Innovations
- IQVIA
- Pickrr
- Wint Wealth
- KLEAP Technologies pvt. ltd
- Ugam solution
- WhiteHat Jr
- WIPRO
- SimpliLearn
- Clearwater Analytics
- Tata Unistore Limited

- Fastenal
- Ericsson
- ADROSONIC
- Cisco
- Cognizant
- Couture AI
- Deloitte USI
- EXL SERVICE
- Incture
- Infosys
- Nouveau Labs
- PwC
- Rocketium
- Truminds
- Ganit Business Solutions Pvt. Ltd.
- Bosch Global Software Technology

Our Proud Recruiters

Thank You

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