



BIRLA INSTITUTE OF TECHNOLOGY

MESRA, RANCHI - 835215 | WWW.BITMESRA.AC.IN

DEPARTMENT OF MATHEMATICS

Placement Brouchure
— 2022-2023 —



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

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



Courses Offered

Computer Science

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

Pure Mathematics

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



Advance Mathematics

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

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

- 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.



Internships & Trainings

ADROSONIC

Cisco

Cognizant

Couture AI

Deloitte USI

EXL SERVICE

Fastenal

Ganit Business Solutions

Pvt. Ltd.

Incture

Infosys

Nouveau Labs

PwC

Rocketium

Tata Unistore Limited

Truminds

Ugam solution

WhiteHat Jr

WIPRO

SimpliLearn

Clearwater Analytics

Ericsson

Times Internet

Animall

Foxsense Innovations

IQVIA

Pickrr

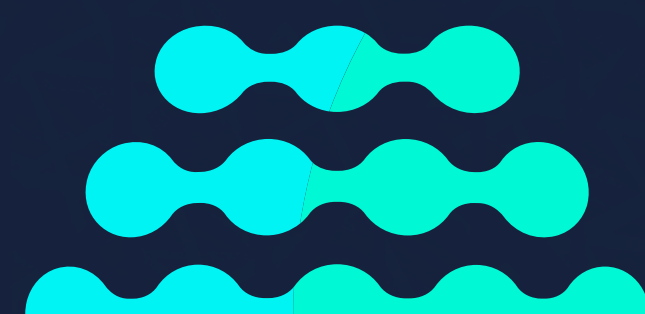
Bosch Global Software

Technology

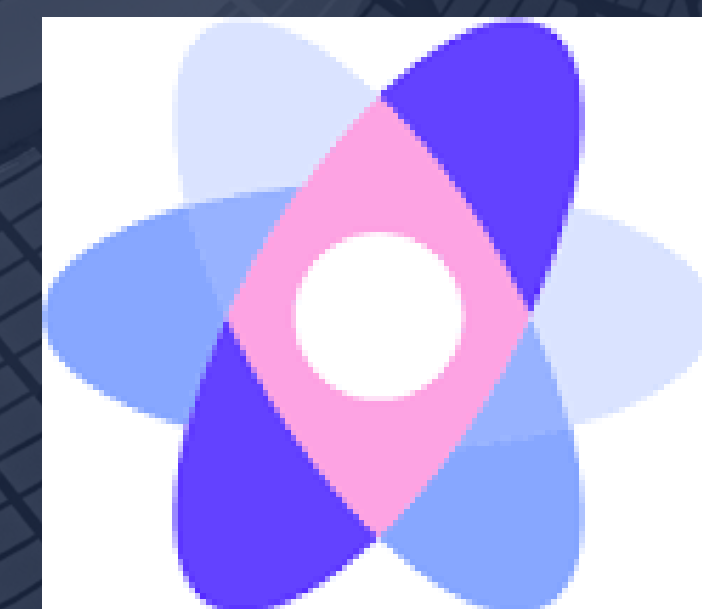
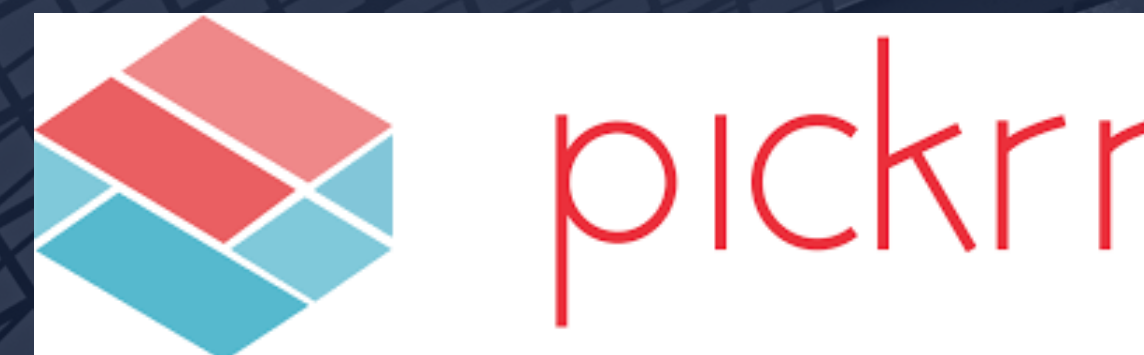
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Our Proud Recruiters



THANK YOU

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