



# DEPARTMENT OF STATISTICS

## Yenepoya (Deemed to be University)



# ADMISSION OPEN

for the year

## 2025-26



## M.Sc. Data Science

## OBJECTIVE OF THE PROGRAMME

The Department offers a Master's Programme in Data Science, designed to equip students with the expertise needed to excel in diverse fields such as artificial intelligence, machine learning, big data analytics, business intelligence, healthcare analytics, and research-based industries.

## THE PROGRAM IS STRUCTURED TO PROVIDE:

- Strong Theoretical Foundation – In-depth training in data science concepts, statistical modelling, and computational techniques.
- Software Proficiency – Hands-on experience with R, Python, SQL, Hadoop, Spark, Tableau, and cloud computing platforms for real-world data analysis.
- Soft Skills Development – Training in data visualization, scientific communication, and visualization through workshops, seminars, and industry interactions.
- Industry Exposure – Interactions with tech companies, financial institutions, healthcare analytics, and research organizations to enhance practical skills and employability.
- Real-World Project – Capstone project based on real-life datasets, providing hands-on experience in solving industry-relevant problems.

## TEACHING METHODOLOGY

- A blend of classroom instruction, case studies, seminars, and hands-on project-based learning.
- Practical training with real-world datasets, software applications, and problem-solving exercises.
- Expert guest lectures and workshops by professionals from academia, tech industries, and research institutions.

## COURSE STRUCTURE

The programme includes regular coursework for the first three semesters, while the final semester focuses on a Master's Thesis Project, along with additional academic requirements as per the curriculum.

Duration: Two-year regular programme (four semesters)

Course Pattern: Choice-Based Credit System (CBCS)

## ELIGIBILITY CRITERIA

Candidates must have an undergraduate degree with a minimum of 50% aggregate marks from a UGC/AIU-recognized university in India or abroad. Eligibility requires fulfilling any one of the following criteria:

- BE/B.Tech/B.Sc. degree with Computer Science, Mathematics, or Statistics as a major or minor (minimum of two years of study)
- Bachelor of Computer Applications (BCA) or a Bachelor's degree in Data Science.

## SELECTION

Selection of candidates shall be on merit basis (Overall percentage of marks in the qualifying examination excluding languages)

## ABOUT YENEPOYA (DEEMED TO BE UNIVERSITY)

- Founded in 2008, Yenepoya University is the first private Deemed to be University in the district of Dakshina Kannada, Karnataka.
- Recognized under Sec 3(A) of the UGC Act 1956 Accredited by NAAC with 'A+' Grade.
- The institute is known for its social commitment through conducting free medical, eye & dental camps, in the community. The institute offers different discipline programs in the field of medicine.
- Ranked 95<sup>th</sup> in NIRF Ranking 2023 under University Category by MHRD, Govt. of India.
- Ranked "Band Excellent" in Atal Ranking of Institutions Innovation Achievements 2021 (ARIIA 2021)
- Yenepoya (Deemed to be University) is among India's top 50 universities featured in the global SCIMAGO Institutions Ranking for the year 2021
- Offers UGC Approved Professional and Conventional Courses.
- The campus is well secured with all required facilities.

## AREAS OF PLACEMENT OPPORTUNITIES

- Data Scientist in industries, research institutions, and tech companies
- Machine Learning Engineer in AI-driven organizations and startups
- Data Analyst in business, finance, healthcare, and government sectors
- Big Data Engineer specializing in large-scale data processing and cloud computing
- Academic Researcher in universities and research organizations
- Business Intelligence Analyst in corporate and consulting firms

## DEPARTMENT HIGHLIGHTS

- Qualified –Experienced faculties
- Air-conditioned classrooms
- Smart boards for lecturers
- Research oriented curriculum
- Industry oriented programs
- Well-furnished computer lab
- Statistical consultancies
- Transport and Hostel facilities

## FACULTIES

### Dr. Ismail B

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## HOW TO APPLY

**Email us: [statistics@yenepoya.edu.in](mailto:statistics@yenepoya.edu.in)**

For more information regarding the  
MSc. Data Science program kindly visit our University website.  
**Website: [www.yenepoya.edu.in](http://www.yenepoya.edu.in)**

