



M.Tech. (Online)

Data Science and Business Analytics

Admissions 2024



About IISc

Best University in India since the inception of rankings by the National Institutional Ranking Framework (NIRF) in 2016.

One of the 12 institutions in India to be granted the **Institute of Eminence (IoE)** status.

Highest-ranked Indian University in the Times Higher Education (THE) World University Rankings, 2024.

Ranked among the **top 200 Global Universities** and **#1 in the world on Citation per Faculty** as per the Quacquarelli Symonds (QS) World University Rankings, 2023.

About M.Tech. (Online)

Master of Technology (Online) degree programme, a fully online programme, for practising engineers and scientists.

Designed for professionals who are sponsored by organisations, who already have a BE/BTech/Equivalent degree and wish to upskill or re-skill themselves.

Typical time for completion is between 2 and 3 years.

Equivalent to the regular full-time Master of Technology degree.

Offered in three stream: Artificial Intelligence (AI), Data Science and Business Analytics (DSBA) and Electronics and Communication Engineering (ECE).

350
of students
Enrollments
over 3 years

70%
Students
graduating
within 2.5yrs

90%
Retention of
Students in the
programme

Program Structure of DSBA

Core courses (12 credits): These are typically taken in the first and second semesters.

- Data Science in Practice (4 credits)
- Applied AI: Building Practical and Scalable ML Systems (4 credits)
- Data Engineering at Scale (4 credits)

Sample Elective courses (at least 20 credits):

- Financial Analytics (4 credits)
- Probabilistic Machine Learning: Theory and Applications (4 credits)
- Data Mining (4 credits)
- Artificial Intelligence for Medical Image Analysis (4 credits)
- Tensor Computations for Data Science (4 credits)
- Applied Artificial Intelligence in Healthcare (4 credits)
- Linear Optimization and Network Science (4 credits)

Students may also take courses from any of the three streams as an elective.

Project (32 credits)

- Projects are done in-house with a company guide and an IISc mentor.

Eligibility

- Candidates must be nominated by a company having an MOU with IISc for this programme.

BE/BTech/BS(4yrs)/Equivalent (4-year degree/diploma after 12th standard) or Master's degree in any discipline

- At least 60% of marks or equivalent CGPA in all degrees
- Two years of industrial experience.
- Strong mathematical and programming background

https://iken.iisc.ac.in/mtech-online/admission_2024/



IISc's Knowledge and E-Learning Network
Centre for Continuing Education
Indian Institute of Science Bangalore
Phone: 080 - 2293 2508
E-mail: office.iken@iisc.ac.in