M.Tech. (Online) Electronics & Communication Engineering

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 ECE

Core courses (16 credits):
These are typically taken in the first and second semesters.
- Random Processes (4 credits)
- Digital Communications (4 credits)
- Statistical Inference for Engineers and Data Scientists (4 credits)
- Linear Algebra (4 credits)

Sample Elective courses (at least 20 credits):
- Semiconductor Devices for Nanoelectronics (4 credits)
- Antenna Theory and Practice (4 credits)
- Radio Frequency Integrated Circuits and Systems (4 credits)
- Advanced Deep Representation learning (4 credits)
- Communication Systems Design (4 credits)

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

Project (28 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 in ECE/EE or equivalent discipline
- At least 60% of marks or equivalent CGPA in all degrees
- Two years of industrial experience

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

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