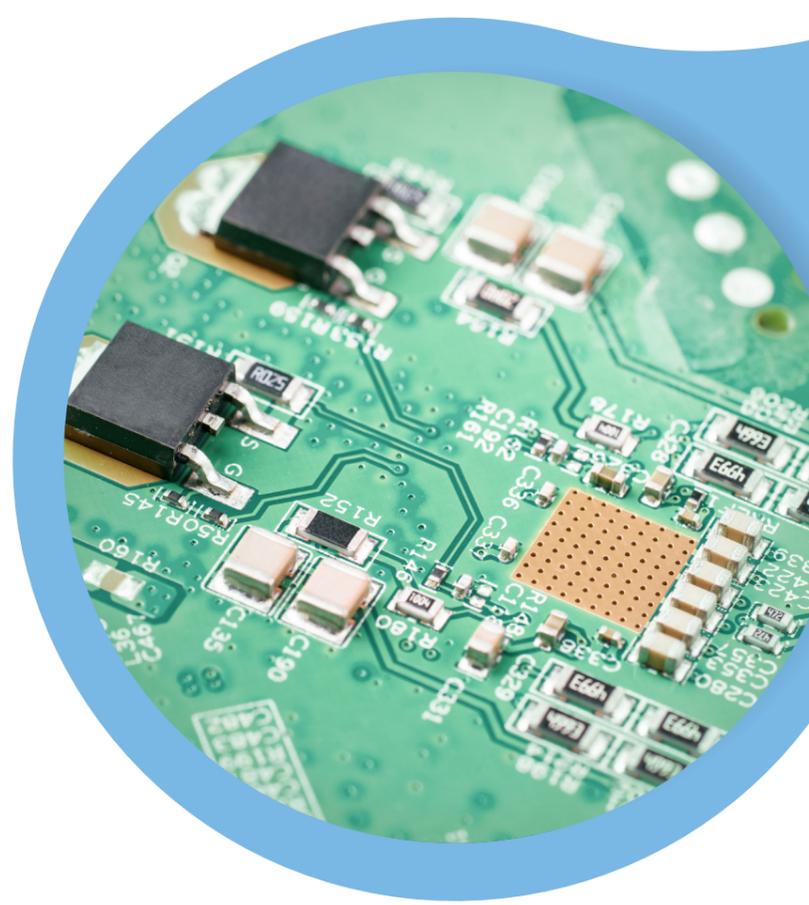# MTech in
Electronic Systems
Engineering (ESE)

WHY

- Breadth and depth of skill and expertise in on-chip and off-chip electronic systems is the need of the hour.

- These are interdisciplinary topics which need to be learnt in an integrated manner.

- Semiconductor technologies and systems, quantum communication and computing, IoT and cybersecurity are getting a massive push for indigenisation.

WHAT

- Students learn about digital and analog VLSI, IoT, FPGA, embedded systems, analog and digital electronics, quantum communication and computing, and communication networks.

- One-and-a-half year projects on fundamental and applied problems in the domain of electronic systems.

HOW

- By training students in all the domains of contemporary and futuristic electronic systems, covering microelectronics, VLSI, neuromorphic computing, quantum communication, healthcare, cybersecurity, and IoT.

- By research and innovation oriented, high-impact projects grounded in the constraints of realistic systems.

WHO

- BE/BTech or equivalent degree with a GATE paper in EC, EE, IN.

- Admission mode: GATE or CFTI with CGPA ≥ 8.0

- Selection will be based on interview.

- Those who have an aptitude and passion to explore, innovate, and create.

भारतीय विज्ञान संस्थान
INDIAN INSTITUTE OF SCIENCE

DESE

www.iisc.ac.in

MORE INFO

ADMISSIONS THROUGH CFTI MODE

ADMISSIONS THROUGH GATE MODE