INDIAN INSTITUTE OF SCIENCE
भारतीय विज्ञान संस्थान

EECS Division

MTech Programmes
EECS and allied areas
Indian Institute of Science
Bengaluru

Microelectronics and VLSI
Focus areas: digital and analog VLSI circuits, semiconductor devices and technology, nanoelectronics devices, microelectronics lab, digital systems design with FPGAs, physics and design of transistors, carrier transport in nanoelectronics devices, and compact modelling.
Admission mode: GATE only
https://dese.iisc.ac.in/degree-programs/m-tech-micro/

Electrical Engineering
Focus areas: power electronics, power systems, and high voltage engineering.
Admission mode: GATE only
https://ee.iisc.ac.in/m-tech-programme-electrical-engineering/

Electronics and Communication Engineering
Focus areas: digital communications, networking, information and coding theory, signal processing and machine learning, microelectronics devices and circuits, microwave antennas and RF circuits, optical and quantum communications.
Admission mode: GATE or CFTI with CGPA ≥ 8.0
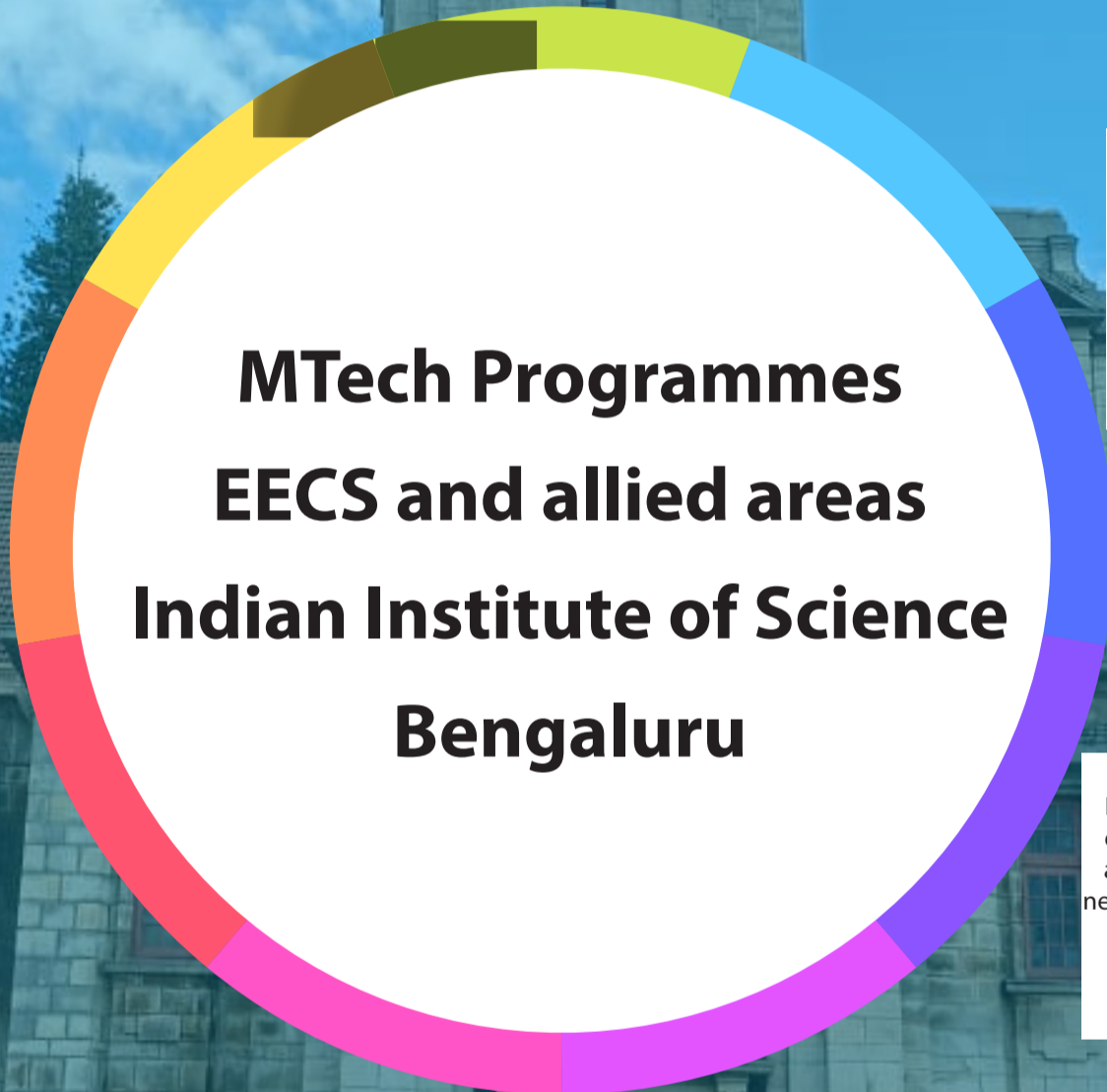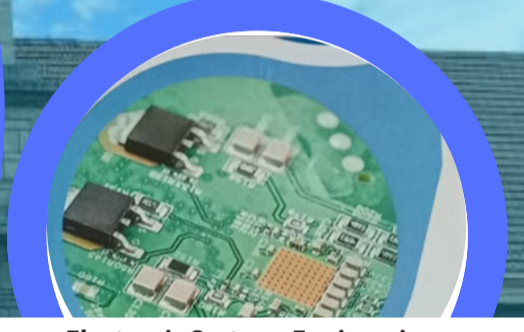https://ece.iisc.ac.in/m-tech-ece/

Artificial Intelligence
Focus areas: natural language processing, vision, speech, robotics, and AI hardware.
Admission mode: GATE or CFTI with CGPA ≥ 8.0
https://ai.iisc.ac.in/mtechai/

Signal Processing
Focus areas: signal processing, machine learning, and various specialisations.
Admission mode: GATE only
https://eecs.iisc.ac.in/m-tech-sp-iisc/

Electronic Systems Engineering
Focus areas: digital and analog VLSI, IoT, FPGA, embedded systems, analog electronics, power aspects, electronic packaging, communication networks, semiconductor devices, micro and nano fabrication technologies, system integration and design.
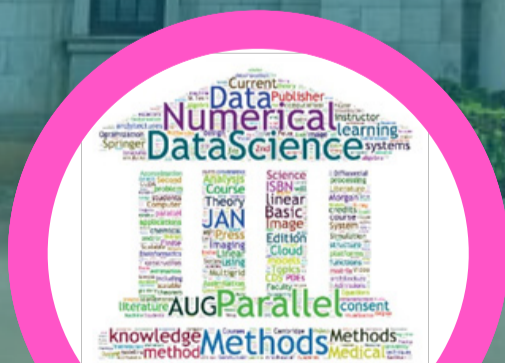*Admission mode: GATE or CFTI with CGPA ≥ 8.0*
https://dese.iisc.ac.in/degree-programs/m-tech-ese/

Robotics and Autonomous Systems
Focus areas: control and optimisation, walking and mobile robots, AI and ML, multi-robot systems, human-robot interaction, and autonomous vehicles.
Admission mode: GATE or CFTI with CGPA ≥ 8.0
https://cps.iisc.ac.in/mtech-admission/

Electronic Product Design
Focus areas: IoT, embedded systems, analog electronics, digital electronics, mechatronics, power aspects, electronic packaging, microfabrication, communication networks, industrial design, thermal design, product design, go-to-market projects, entrepreneurship, and tech startup aspects.
Admission mode: GATE or CFTI with CGPA ≥ 8.0
https://dese.iisc.ac.in/electronic-product-design-epd/

Computational and Data Science
Focus areas: foundations and systems, methods, platforms, and applications.
Admission mode: GATE or CFTI with CGPA ≥ 8.0
https://cds.iisc.ac.in/academics/mtechcds/

Computer Science and Engineering
Focus areas: theoretical computer science, computer systems and software, and intelligent systems.
Admission mode: GATE only
https://www.csa.iisc.ac.in/academics-all/degree-programs/

Admissions through GATE mode

Admissions through CFTI mode