SINCE 1998 | SILVER JUBILEE YEAR
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Pioneering Excellence in Education, Research & Innovation

2024 Graduates

ELECTRONICS & COMMUNICATION ENGINEERING (ECE)

Program Details

The ECE curriculum allows specialization in VLSI systems, Networking and Communication and Artificial Intelligence and Machine Learning. The VLSI Systems domain encompasses a broad range of topics covering several aspects such as, digital and analog hardware systems, SoC design, FPGA implementations, custom fabricated VLSI circuits, verification and validation, system prototyping, design methodologies around EDA flows, verification and validation and hardware accelerator design for AI applications. Further, it also includes realization of real time embedded systems where both the hardware and the software components are treated agnostically based on end system requirements; embedded implementation of feedback control using variegated sensors.

Specializations

VLSI Systems

ELECTIVE COURSES
- Digital CMOS VLSI Design
- Analog CMOS VLSI Design
- VLSI Architecture
- System design with FPGA
- Physical Design of ASICs
- Processor Architecture
- High Level Synthesis
- Verification of SoC
- ARM architecture
- Realtime Operating Systems
- Device Driver
- Design for Testability

AI & ML

ELECTIVE COURSES
- Automatic Speech Recognition
- Natural Language Processing
- Visual recognition
- Few Shot Learning
- Reinforcement Learning
- Artificial General Intelligence
- Recommendation Systems

Networking & Communication

ELECTIVE COURSES
- Wireless Access Network
- Network Security
- Advanced Cyber Security
- Internet of Things
- Advanced Computer Networks
- Mathematical Analysis of Networks
- Software Defined Networks (SDN) and Network Function Virtualization (NFV)
- Internet Router Engineering

Placement Statistics*

*Includes Off Campus Offers

Full Time CTC (in Lakhs per annum)

MTech	Highest: 38 Average : 26.16	**iMTech**	Highest: 65 Average : 29.55

Internship Stipend (Thousands/ Month)

MTech	Highest: 113 Average : 45.2	**iMTech**	Highest: 128 Average : 63.6

Placement Timeline

Internship Period

Summer (2 months):
15 May 2024 to 15 July 2024

Winter (min 6 months):
15 Dec 2023 to 15 June 2024

10.5 months:
01 Aug 2023 to 15 July 2024

Number of Students

iMtech (5 years) : 28
Mtech (2 years): 29

Available for FTE From July 2024

Research

Our students have worked on fundamental research problems along with our Faculty in diversified fields and have showcased their work in renowned conferences and published their work in Journals.

The students are exposed to industry standard research with hands on experience on projects in various research labs:

- VLSI Design Lab and Center for Electronics and Embedded Systems (CEEMS) Lab
- High Density Electronics System (HIDES) Lab
- Machine Intelligence and Robotics Center (MINRO)
- Surgical and Assistive Robotics (SARL) Lab
- Multimodal Perception Lab