



HINDUSTAN

INSTITUTE OF TECHNOLOGY & SCIENCE
(DEEMED TO BE UNIVERSITY)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering was established in the year 1985, with a vision to develop the Department as a Center of Excellence in Research and Development. Our mission is to develop innovative teaching and learning pedagogies among students and infuse scientific temperament.

The Department of Electronics and Communication Engineering at Hindustan Institute of Technology and Science has a long-standing tradition of excellence. The programme provides a sound foundation for students wishing to pursue a career in Electrical Engineering, Communication, Control Systems, Robotics, Sensor Systems, Internet of Things, Artificial Intelligence, VLSI systems through a diverse range of theoretical skills and practical experience, which are presented in the context of real time applications.



PG Program M.Tech Digital Image Processing primarily deals with the processing and transformations to be made on the image. Tagging of images in the videos, image search, etc. along with the applications in Medical Imaging, Search Engines, Home Security, Satellite Image Processing and Robotics has boosted up the importance of the course.

PG Program in Embedded and Real - Time Systems focuses on design and implementation of Embedded and Real Time Systems which controls industrial processes, automotive and consumer electronic appliances. This programme motivates and prepares students to pursue a detailed study of specific problems in real time computing and system development.

The DRDO collaborated AICTE approved M.Tech. in Defence Technology (Communication Systems & Sensors) infuse interest in students to pursue their career in research and development and an opportunity to join defence, PSUs and private defence industries. This Programme has been designed to produce postgraduates who will have the necessary theoretical & experimental knowledge, skill and aptitude in various defence technologies areas and pursue them to carry out R&D in defence. Students pursue internships at DRDO Labs and defence assisted industries during the course of study.

SALIENT FEATURES OF B. TECH – ECE

- Collaborative and integrative Teaching Learning Pedagogy
- Centre for Sensors and Process Control (CENSE) and Underwater Robotics and Communication (URoC) to incubate research attitude by publishing High Quality peer reviewed articles and patents
- Opportunity to be a part of 75 student Satellite Mission Launch by enrolling with KCG Satellite Project
- 95% Consistent performance in Academics and Placement
- Prominent Alumni in Qualcomm, Texas Instruments, American Heart Society, Facebook and as entrepreneurs
- State-of-the-art Laboratories (3 Industry-supported labs)
- 60+ students pursuing Higher Studies in International Institutions
- Value added international certification Program - 5G Technology
- MoUs with various eminent industries and foreign universities
- Industry-oriented programs and internships
- Competent students with participation in Global Level Competition
- Work with Texas Instruments innovation centre and DIY Electronics Club Initiatives to build your capacity with System design
- Experienced faculty with Interdisciplinary expertise

SALIENT FEATURES OF B. TECH – ECE SPECIALIZATION IN ELECTRONICS MANUFACTURING TECHNOLOGY

- Industry Collaborative and integrative Teaching Learning Pedagogy and Curriculum
- Project-based learning and industry supported projects
- Experienced faculty with Interdisciplinary expertise
- State-of-the-art industry assisted Laboratories, Centre of Excellence in Sensors and Process Control (CENSE), Underwater Robotics and Communication (URoC) for interdisciplinary research and product development
- Specialization supported by
 - Centre of Excellence – Tamil Nadu Smart Advanced Manufacturing (TANSAM) for Electronics Manufacturing
 - QMAX Test Equipment Pvt Ltd. for Electronics Testing
 - IITM for Electronics circuit and Prototyping
 - SANMINA CORPORATION – Intern with Placement
- Corporate mentorship for internships and placements in core sectors
- International Semester exchange program and value-added certification.
- Credit Transfer certification courses from SWAYAM / NPTEL

- 360° support ecosystem in the form of Infrastructure (Hardware & Software labs), Knowledge & hand-holding by industry experts, Mentoring & Networking to nurture innovative start-ups in emerging Electronics Manufacturing Technologies
- Research incubation at UG Level by publishing high quality peer reviewed articles and patents
- Merit, Sports and corporate Scholarship for admission



NOTABLE ALUMNI



Ms. Pramila Josephine
Manager, Advanced Micro Devices,
Singapore.
B.E – 1989



Mr. Frijo Franco
Sys. Engineer Leader
Thales Avionics, USA.
B.E – 1990



Ms. Papitha Nagarajan
Sr. Engineer Leader, Meta Labs,
San Francisco.
B.E – 2005



Mr. Salim Ali Siddiq
(BE-2015)
Cyber Security Engineer, Adobe
San Francisco B.E – 2015



Mr. Lino James
GNSS Systems Test Engineer,
Qualcomm
B. Tech – 2018

UNIVERSITY RANKINGS



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