



# HINDUSTAN

INSTITUTE OF TECHNOLOGY & SCIENCE  
(DEEMED TO BE UNIVERSITY)  
CHENNAI



DEPARTMENT OF  
**ELECTRONICS & COMMUNICATION  
ENGINEERING**

# M.Tech DEFENCE TECHNOLOGY



## Communication Systems & Sensors

AICTE and DRDO  
Approved Program

## Objective

To develop a new breed of communication systems engineers required for the design & development in the defence communication systems industry.

## Course Details

### Core Subjects

- Systems and warfare Platforms
- Warfare Simulations & Strategies
- Advanced Engineering Mathematics
- Radar Technologies
- Digital & Satellite Communication and Navigation from Space
- Tactical Battlefield Communication & Electronic Warfare

### Elective Subjects

- Communication Technology
- Rockets & Missiles Fundamentals
- Military Electronics Systems
- Autonomy and Navigation Technology
- EMI/EMC in Military Systems
- Fundamental of Telemetry, Telecomm and Transponder
- Jamming and ECM/ECCM Technologies
- Data Acquisition, Tracking & Post Flight Analysis
- Advanced Digital Modulation Technologies & Standards

## Eligibility Criteria

B.E / B.Tech in ECE / EEE / E&I and Allied Engineering Degree

Preference will be given to GATE qualified and Industry sponsored candidates



**Duration : 2 Years**

## Infrastructure

Hindustan Institute of Technology and Science (HITS) is one of the most sought after engineering Institutions in Tamil Nadu, reputed for its highly qualified and experienced faculty and excellent infrastructural facilities for curricular and extracurricular activities, the University has maintained an enviable academic excellence right from its inception.

Defence Research and Development Organisation (DRDO) is the R&D wing of Ministry of Defence, Govt. of India, with a vision to empower India with cutting-edge defence technologies and a mission to achieve self-reliance in critical defence technologies and systems, while equipping our armed forces with state-of-the-art weapon systems and equipment in accordance with requirements laid down by the three Services.

Students has the opportunities to do their projects in DRDO labs and allied industries

## GET IN TOUCH

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