Organized by
Electronics & ICT Academy

MNIT Jaipur & SVNIT Surat
http://www.mnit.ac.in/eict

OnlineProgramme
on
Technologies for Secure Skies and Strategic Space

1st Dec –11th Dec 2026

An Initiative funded by

Ministry of Electronics and Information Technology
Government of India

meity.gov.in/content/schemes-projects

Experts/Speakers-

Dr. Rajesh Joseph Abraham	Associate Professor, IIST Thiruvananthapuram
Prof. Mukesh A. Zaveri	Professor, SVNIT Surat
Dr. S Geetha	Vice President, Skyroot Aerospace Systems Pvt. Ltd.
Dr. Santu Sardar	Director, DYSL-QT, DRDO
Dr. Swarandeep Sahoo	Assistant Professor, IIT (ISM) Dhanbad
Faculty from SVNIT Surat, MNNIT Allahabad, and IIIT Dharwad	
Speakers from IITs/NITs/IIITs, Industries and National Labs	

EICT Academy MNIT Jaipur

Chairman, EICT Academy & Director MNIT Jaipur **Prof. Narayana Prasad Padhy**
Chief Investigator: **Prof. Vineet Sahula**
Coordinator: **Dr. Satyasai Jagannath Nanda**
Co- Chief Investigators: **Prof. Lava Bhargava, Prof. Pilli Emmanuel Shubhakar, Dr. Ravi Kumar Maddila**

Objective (Electronics & ICT Academy-Phase II)

1)To conduct specialized FDPs for faculty/mentor training in line with the vision of MeitY in high-priority areas supporting the "Make in India" and the "Digital India" programs.

2) To promote synergy and collaboration with industry, academia, universities and other institutions of learning

3) To support the National Policy on Electronics 2019 (NPE 2019), which envisions positioning India as a global hub for ESDM sector, including MeitY Schemes/policies such as Programme for Semiconductors and Display Fab Ecosystem; India AI; National Programme on AI, Production Linked Incentive Scheme for IT Hardware & Large-Scale Electronics Manufacturing; EMC; SPECS; Chips to System (C2S); etc.

4) To promote standardization of FDPs through Joint Faculty Development Programmes.

An intensive 40-Hour Training Programme in online mode is being organized for faculty, doctoral students of engineering and technological institutions. Working professionals from industry/organizations are also invited to attend. The main theme of the training program will be oriented around exploring the state-of-the-art methods for Technologies for Secure Skies and Strategic Space. **The programme will be run daily (Mon to Sat) during 10.30 AM-12.30 PM & 3- 5 PM.**

Programme Modules:

Fundamentals of Unmanned Aerial Systems: Design, Opportunities, Challenges, Quadcopters: Introduction and Modelling, Quadcopter Dynamics and Control.
Autonomous UAV Systems and Communication Technologies: Graph Theory Based Multi-Robot Formation in Unmanned Aerial Vehicles, Aerial Multi-Target Tracking and Data Association, 6G Enabled UAV Networks with Integrated Sensing and Communication.
Navigation, Remote Sensing and Geospatial Intelligence: Global Navigation Satellite Systems and Positioning Technologies, Fundamentals of Remote Sensing
Aerospace Mission Design and System Engineering: Challenges in Launch Vehicle Mission Design, Control Systems in Space Applications, Modelling and Simulation for Modern Aerospace Systems, Next Generation Air Superiority – A System Engineering Perspective
Space Technologies and Emerging Applications: Geomagnetic Field Variations and Space Asset Protection, Space Situational Awareness and Space Traffic Management, Quantum Technologies in Space
Aerospace Security and Emerging Defence Technologies: Cybersecurity in Aerospace and Space Infrastructure, AI and Machine Learning for Aerospace Security, Asymmetric Technologies in Aerospace Defence
UAV Regulations and Operational Framework: Drones Rules and Regulations in India.

Programme Coordinator		
Dr. Anirban Bhattacharjee, SVNIT Surat	fdp.academy@mnit.ac.in	9903380626 (M)

Registration: Registration is open to faculty, working professionals, industry persons, doctoral, postgraduate, and graduate students from India and the rest of the world. Participants will be admitted on a first-come, first-served basis.

Registration Fee			
Mode of programme	India/SAARC/Africa(18% GST extra)		Rest of the world
	Academia (faculty/Students)	Others	
Online	Rs. 750/-	Rs. 1500/-	US $ 60/-

- Fee once paid will not be refunded back; however, can be adjusted for a future programme.
- The fee covers online participation in the programme, tutorial, notes and examination, certification charges etc.
- The registration amount may be paid through online mode-NEFT/UPI/Cards/SWIFT, provided at the registration portal.
- A detailed schedule will be shared after receiving the registration form.

Register online at–http://online.mnit.ac.in/eict/

→For queries,**contact us at** fdp.academy@mnit.ac.in

MNIT Jaipurone of the oldest NITs, the institute has a rich heritage of sixty years producing world class engineers, managers, architects and scientists. Ranked 42nd nationally in the NIRF ranking-2025 (Engineering), the institute offers learning opportunities for undergraduate, postgraduate students, and researchers in various domains.Having a lush green campus of over 317 acres within the heart of the pink city, close to Jaipur International Airport, the campus offers a safe and lively environment. A world class teaching infrastructure, state-of-art laboratories welcome you at the campus.The institute has a vision to impart education of international standards and conduct research at the cutting edge of technology.