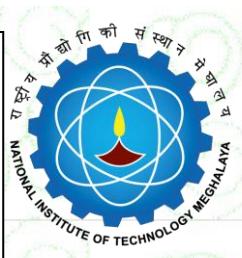**National Institute of Technology Silchar**

(An Institute of National Importance)
Silchar, Assam

National Institute of Technology Meghalaya

(An Institute of National Importance)
Saitsophen, Meghalaya

Jet Aerospace Aviation Research Center

24th Bootcamp on
Drone Technology and Related Applications
23rd February to 27th February 2026

Ministry of Electronics & Information Technology Government of India

In association with Jet Aerospace Aviation Research Center,
Supported by IHFC (Technology Innovation Hub of IIT Delhi, Setup by DST- Department of Science and Technology)

SwaYaan

About the NIT Silchar

National Institute of Technology, Silchar is one of the 31 National Institutes of Technology of India and was established in 1967 as a Regional Engineering College in Assam. In 2002, it was upgraded to the status of National Institute of Technology and was declared as Institute of National Importance under the National Institutes of Technology Act, 2007. NIT Silchar has secured 40th rank in Engineering, 92 rank under Overall Category in NIRF 2024. NIT Silchar has been ranked in the rank band 601-800 in the prestigious Times Higher Education World University Ranking in 2024 and ranked in the rank band 1001-1500th in QS Asia Ranking.

About NIT Meghalaya

The National Institute of Technology (NIT) Meghalaya is one among the thirty-one NITs in India established under the NIT Act 2007 (Amended 2012) of the Parliament of India as Institutes of National Importance with full funding support from the Ministry of Education (Shiksha Mantralaya), Government of India. Nestled in the serene and ecologically rich hills of Sohra, the permanent campus is now fully functional with state-of-the-art academic buildings, student hostels, administrative blocks, faculty residences, and modern infrastructural facilities. The move marks a significant milestone in the growth of the institute, ensuring a conducive environment for quality education and research.

About UAV

Unmanned Aircraft System (UAS) encompasses Unmanned Aerial Vehicles (UAV), also known as Drone, includes related technologies such as ground control stations, data links and other support equipment's. The technology has the potential for a greater reach with better work productivity and relatively lower cost through diverse operational and physical characteristics involving operating range, payload, operational altitude, take-off weight, endurance or flight duration, command & control, etc.

Registration Link:

https://forms.gle/Kh3TMtwueN59G5XZA

- **Any B.Tech/M.Tech Students can attend the workshop**
- **Event will be held Offline**

Venue: **NIT Meghalaya**

Program Schedule		
Date	**Time**	**Topic**
23.02.2026	09.00 AM – 10.30 AM	Programme Inauguration
	10.30 AM – 01.00 PM	UAV/Drone Basics & Applications
	02.00 PM – 05.00 PM	Glider Fabrication, Balancing & Testing
24.02.2026	10.00 AM – 01.00 PM	Drone Simulator, Drone Configuration
	02.00 PM – 05.00 PM	FPV Systems, Drone Application Sensor
25.02.2026	10.00 AM – 01.00 PM	Drone Avionics Components Introduction
	02.00 PM – 05.00 PM	Components Assembling (Quadcopter)
26.02.2026	10.00 AM – 01.00 PM	Programming, Calibration, Gaining of Flight Controller
	02.00 PM – 05.00 PM	Drone Testing & Flying,
		Drone Simulator Training
27.02.2026	10.00 AM – 01.00 PM	Drone Intelligent Mode, Career Opportunity in Drone Field
	02.00 PM – 04.00 PM	Drone Regulations in India
	04.00 PM – 05.00 PM	Valedictory & Certificate Distribution

Conveners
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