राष्ट्रीय प्रौद्योगिकी संस्थान सिलचर
National Institute of Technology Silchar
(राष्ट्रीय महत्व का संस्थान)
(An Institute of National Importance)

Ministry of Electronics & Information Technology
Government of India

Jet Aerospace Aviation Research Center

SwaYaan

19th Bootcamp on
Drone Technology and Related Applications
1st September to 5th September 2025
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)

About the Institute

National Institute of Technology, Silchar is one of the 31 National Institutes of Technology of India and was established in1967 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 is a fully residential cam- pus situated on the banks of river Barak and on a sprawling campus spread over 625 acres of land surrounded by scenic tea gardens on the outskirts of Silchar.

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 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 & con- trol, etc.

-Any B.Tech/M.Tech Students
- Registration Fee: Rs. 200/-
- Amount has to be paid on registration.
- Event will be held Offline

Venue: NIT Silchar

Program Schedule		
Date	Time	Topic
01-09-2025	09.00AM - 10.30AM	Programme Inauguration
	10.30AM - 01.00PM	UAV/Drone Basics & Applications
	02.00PM - 06.00PM	Glider Fabrication, Balancing and Testing
02-09-2025	09.00AM - 01.00PM	Drone simulator, Drone Configurations
	02.00PM - 06.00PM	FPV Systems, Drone Application sensors
03-09-2025	09.00AM - 01.00PM	Drone Avionics Components Introduction
	02.00PM - 06.00PM	Components Assembling (Quadcopter)
04-09-2025	09.00AM - 01.00PM	Programming, Calibration, Gaining of Flight Controller
	02.00PM - 06.00PM	Drone Testing & Flying, Drone Simulator Training
05-09-2025	09.00AM - 01.00PM	Drone Intelligent Mode, Career Opportunities in Drone Field
	02.00PM - 04.00PM	Drone Regulations in India
	04.00PM - 06.00PM	Valedictory & Certificate Distribution

Registration Form: https://forms.gle/ZKBqsVbmTjV9MW5a8

Last date to apply 30.08.2025, 5PM

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