



राष्ट्रीय प्रौद्योगिकी संस्थान सिलचर

National Institute of Technology Silchar



(राष्ट्रीय महत्व का संस्थान)
(An Institute of National Importance)

26th Bootcamp on Drone Technology and Related Applications 19th August to 23rd August 2026



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 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 an 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- 1500 in QS Asia Ranking.

About UAV

Unmanned Aircraft System (UAS) encompasses Unmanned Aerial Vehicles (UAV), also known as drones, and includes related technologies such as ground control stations, data links and other support equipment. 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/7D8TyKzee8TVSpgq6>

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

Venue: NIT Silchar

Convener

Dr. Ranjay Hazra, ranjay@ei.nits.ac.in

Dr. Badal Soni, badal@cse.nits.ac.in

Program Schedule

Date	Time	Topic
19.08.2026	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
20.08.2026	10.00 AM – 01.00 PM	Drone Simulator, Drone Configuration
	02.00 PM – 05.00 PM	FPV Systems, Drone Application Sensor
21.08.2026	10.00 AM – 01.00 PM	Drone Avionics Components Introduction
	02.00 PM – 05.00 PM	Components Assembling (Quadcopter)
22.08.2026	10.00 AM – 01.00 PM	Programming, Calibration, Gaining of Flight Controller
	02.00 PM – 05.00 PM	Drone Testing & Flying, Drone Simulator Training
23.08.2026	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

Co-ordinators

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