



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



**7<sup>th</sup> Bootcamp on  
Skill Development on Drone Technology & Related Applications  
02<sup>nd</sup>-06<sup>th</sup>, August 2024**

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 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 is a fully residential campus 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 40<sup>th</sup> rank in Engineering, 83<sup>rd</sup> rank under Overall Category in NIRF 2023. NIT Silchar has been ranked in the rank band 601-800 in the prestigious Times Higher Education World University Ranking in 2023 and ranked in the rank band 401-450 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 & control, etc.

Program Schedule		
Date	Time	Topic
02.08.2024	10.00 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
03.08.2024	10.00 AM – 01.00 PM	Drone Simulator, Drone Configuration
	02.00 PM – 05.00 PM	FPV Systems, Drone Application Sensor
04.08.2024	10.00 AM – 01.00 PM	Drone Avionics Components Introduction
	02.00 PM – 05.00 PM	Components Assembling (Quadcopter)
05.08.2024	02.00 PM – 04.30 PM	Programming, Calibration, Gaining of Flight Controller
	05.00 PM – 08.00 PM	Drone Testing & Flying, Drone Simulator Training
06.08.2024	02.00 PM – 04.30 PM	Drone Intelligent Mode, Career Opportunity in Drone Field
	05.00 PM – 07.00 PM	Drone Regulations in India
	07.00 PM – 08.00 PM	Valedictory & Certificate Distribution

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

Registration Form: <https://forms.gle/merKwB8vYjkJkUnQA>

Last date to apply 31.08.2024, 5PM

Co-ordinators

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