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

3rd Bootcamp on
Drone Skill Development & Entrepreneurship Training Program
05th-09th, February 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 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, 83rd 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.

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

Program Schedule		
Date	**Time**	**Topic**
05.02.2024	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
06.02.2024	10.00 AM – 01.00 PM	Drone Simulator, Drone Configurations
	02.00 PM – 05.00 PM	FPV Systems, Drone Application Sensors
07.02.2024	10.00 AM – 01.00 PM	Drone Avionics Components Introduction
	02.00 PM – 05.00 PM	Components Assembling (Quadcopter)
08.02.2024	10.00 AM – 01.00 PM	Programming, Calibration, Gaining of Flight Controller
	02.00 PM – 05.00 PM	Drone Testing & Flying, Drone Simulator Training
09.02.2024	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

Registration Form: https://forms.gle/cVDN1JRQiWnfQep4A

Last date to apply 03.02.2024, 5PM

Conveners
Dr. Ranjay Hazra, ranjay@ei.nits.ac.in
Dr. Murugan R, murugan@ece.nits.ac.in
Dr. Badal Soni, badal@cse.nits.ac.in

For further details contact the co-ordinators
Dr. Malaya Dutta Borah, malayaduttaborah@cse.nits.ac.in
Dr. Suganya Devi K, suganya@cse.nits.ac.in