



DRONE TECHNOLOGY

A 3 Months Certificate Programme
On

Drone Technology



Organized by

Centre for Educational Technology

in collaboration with

Center for Intelligent Cyber Physical Systems (CICPS)

Indian Institute of Technology Guwahati

&

IIT Guwahati Technology Innovation and Development Foundation (IITG TIDF)

Programme Description:

The Indian Armed Forces personnel and officers who are looking for post-retirement relocation are the target audience for this initiative. The program aims to provide the officers with the knowledge, perception, and vision necessary for them to succeed professionally in the drone industry or as entrepreneurs in order to support the officers' smooth transfer from the armed services to the Unmanned Aerial Vehicle (UAV, Drone) systems. To this end, the program's curriculum has been designed to introduce participants to the fundamental ideas behind drone technology so they can develop the fundamental knowledge and skills needed to research the drone industry in their country and contribute to the advancement of new technologies. The curriculum will make use of the case-method and other renowned pedagogies at IIT Guwahati. Armed services members already possess an exceptional level of discipline, leadership, and professionalism, all of which are essential components for honing new abilities. By putting them through rigorous management education training, this program will give them the necessary re-orientation, re-tooling, and upskilling to succeed in the sector.

Key Components of the Programme:

- ❖ Computer Programming Foundation
- ❖ Drone Technology
- ❖ Basic Mathematics
- ❖ Communication / Technical Writing
- ❖ Basic Electrical and Electronics
- ❖ Basic in Mechanical Engineering
- ❖ Basic Manufacturing
- ❖ Entrepreneur and Business ecosystem
- ❖ Programming Lab
- ❖ Applied Mechanics Lab
- ❖ Basic Electrical and Electronics Lab
- ❖ Drone Lab
- ❖ Manufacturing Lab – I



Tentative Course Start Date:

9ST September, 2024 to 13th December, 2024

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