



## Faculty Development Program



**VIT**<sup>®</sup>  
Vellore Institute of Technology  
(Deemed to be University under section 3 of UGC Act, 1956)

**Title :** Two Day FDP on Drone Technologies and Applications

**Date :** 2025-11-25 - 2025-11-26

**Time :** 10:00 - 17:30

**Venue :** TT311

### Event Outcome

- By the end of the FDP



#### **Resource Person 1 - Details**

**Name :** Mr P Surendar

**Designation :** Manager, Aero Knotz Drones India Pvt Ltd

**University/ Company :** Aero Knotz Drones India Pvt Ltd, Chennai

**Address :** India, 603103.



#### **Resource Person 2 - Details**

**Name :** Mr S Kiruthikraj

**Designation :** Project Facilitator, Drones and Robotics

**University/ Company :** Aero Knotz Drones India Pvt Ltd, Chennai

**Address :** India, 603103.



#### **Resource Person 3 - Details**

**Name :** Mr V Mari Selvam

**Designation :** Project Facilitator, Research and Development and Training Division

**University/ Company :** AeroKnotz Drones India Pvt Ltd, Chennai

**Address :** India, 630103.



#### **Resource Person 4 - Details**

**Name :** T Vignesh

**Designation :** Senior Drone Pilot , Flight Training

**University/ Company :** Aero Knotz Drones India Pvt Ltd, Chennai

**Address :** India, 630103.

## **Resource Person's Profile :**

### **1. Profile of Mr P Surendar**

Experienced Manager with over 14 years in academia, drone technology, and business development. Skilled in institutional collaborations, strategic planning, and commercial drone operations. Strong expertise in training program development, project execution, and industry partnerships. Proven ability to lead cross-functional teams and drive business growth through innovative solutions. Passionate about technology-driven education, industrial applications of drones, and operational excellence.

### **2. Profile of Mr S Kiruthikraj**

Kiruthikraj S is a highly skilled Project Facilitator in the Research Development Division at AeroKnotz Drones India Pvt. Ltd., where he plays a crucial role in the development of innovative drone and robotics systems. With a strong foundation in programming and automation, he works across multiple domains designing, integrating, and optimizing smart technologies for AeroKnotz core projects.

### **3. Profile of Mr V Mari Selvam**

Mariselvam is a dynamic and skilled Project Facilitator at AeroKnotz Drones India Pvt Ltd one of Indias emerging leaders in drone technology robotics innovation and unmanned aerial systems. He plays an integral role in Research Development drone prototyping and technical education under the company vision of building next generation drone solutions.

### **4. Profile of T Vignesh**

Mr. T. Vignesh is a highly skilled DGCA licensed drone pilot with a Bachelors degree in Aeronautical Engineering and over three years of professional experience in drone operations, training, and aerial applications. He serves as a Senior Pilot, leading aerial demonstrations, flight training programs, and drone service projects across various industrial and educational sectors. His expertise spans agricultural spraying operations, aerial surveying, mapping, inspection, and training.

This Faculty Development Programme on Drones and Robotics is designed to equip educators with foundational and advanced knowledge in emerging technologies. The programme provides a comprehensive overview of drone systems, their classifications, and wide-ranging applications in agriculture, industrial inspection, defense operations, logistics, and cinematography. Participants will gain insights into various types of drones including fixed-wing, rotary-wing, hybrid, nano, and micro UAVs along with an understanding of the DGCA regulations, safety protocols, and operational guidelines essential for compliant and responsible drone usage in India. The robotics module introduces the basics of robotics, covering key components such as sensors, actuators, controllers, and embedded systems. Emphasis will be placed on automation and AI integration, enabling faculty to explore intelligent systems and their real-world applications. Hands-on sessions will include drone component identification and assembly, robotic demonstrations, and simulation-based flight training, fostering experiential learning and technical proficiency. Live demonstrations of robot movement and drone flying will further enhance understanding of control systems and autonomous operations.

Drone Hardware and Simulator

**Coordinator's: Prof. BAGYAVEERESWARAN V 11176 - Associate Professor Sr. - SELECT**  
**Prof. MANIMOZHI M 10668 - Professor Grade 2 - SELECT**