



Workshop Document: AI Drones Workshop – Day 3

Event Context – AI Drones Workshop

- **Date:** 29th March 2026
- **Venue:** IIT Hyderabad
- **Related Theme:** AI Drones

Event Detail:

Time Slot	Session Title	Topics to Cover
2:00 PM – 2:20 PM	Introduction to AI Drones	<ul style="list-style-type: none">• Overview of drone technology, applications of drones in agriculture, surveillance, delivery and disaster management, introduction to AI-powered drones, basic components such as motors, propellers, flight controller, battery and sensors
2:20 PM – 2:50 PM	Working Principle of Drones	<ul style="list-style-type: none">• How drones maintain flight stability, explanation of motor control, flight controllers and sensors, communication between controller and drone, safety guidelines before operating drones
2:50 PM – 4:00 PM	Drone Building / Setup	<ul style="list-style-type: none">• Basic assembly or configuration of drone components, connecting parts and preparing the drone for operation
4:00 PM – 4:30 PM	Drone Testing	<ul style="list-style-type: none">• Initial testing of drone components, calibration of motors and controllers, safety checks and preparation for flight
4:30 PM – 5:00 PM	Drone Competition	<ul style="list-style-type: none">• Participants demonstrate drone flying skills, simple tasks such as takeoff, navigation and landing, performance evaluation and feedback