5-DAYS DRONE WORKSHOP

DAY 1

TOPICS	DURATION
• Introduction and Applications • Various Types	1 HR
• Aerodynamics: Explanation of forces and axes involved in flying	1 HR
• Understanding of forces of flight • Fun learning Activity	1 HR

DAY 2

TOPICS	DURATION
• Equilibrium: Understanding stable and unstable systems	1 HR
• Sensors: Accelerometer, Gyro Sensor, Barometer and Magnetometer (MEMS)	1 HR
• Sensors: Accelerometer, Gyro Sensor, Barometer and Magnetometer (Continued) • Activity: Sensors	1 HR

DAY 3

TOPICS	DURATION
• Propulsion and Vertical Motion	1 HR
• Motors: How motors work	1 HR
• Propellers: What type of propeller we are using and it affects flying • Activity: Components	1 HR

DAY 4

TOPICS	DURATION
• Drone Building • Battery • Instructions for assembly	3 HR
• Building Pluto Drone on your own	1 HR
• Pluto Controller App and Flight Instructions • Flight Training(Flying Session)	2 HR

DAY 5

TOPICS	DURATION
• Problems in Flight • Problem solving by Programming	2 HR
• Introduction to Programming • Diving into Pluto Programming • Flying Session	2 HR
• Fun Flying Event(Competition) • Conclusion with QnA session	2 HR