

SYLLABUS

KEY-LEARNINGS FROM THE COURSE

INTRODUCTION TO UAVS

Basic drone terminologies, types of drones, applications of drones, categories of drones

RULES AND REGULATIONS

Drone flying zones, latest rules and regulations, altitude restrictions, UIN, digital sky platform, do's and don'ts

FUNDAMENTALS OF MULTIROTOR UAV

Drone maneuvering and control terminologies, motor configuration, sensors, general block diagram

ASSEMBLING AND DISASSEMBLING

Unpacking and packing drone kit, mounting, battery, CW-CCW propellers on respective motors, camera

REMOTE CONTROLLER AND GCS

Brief introduction to drone RC, joysticks, various ports, antenna, mobile application and its features

IMPORTANT DRONE CHECKLIST

Pre-flight, in-flight and post-flight checklist

EMERGENCY MANAGEMENT

Emergency identification and handling, probable causes of failure, failsafe methods, post emergency flight checks

INTRODUCTION TO CAMERA

Drone camera specifications, features, ISO, shutter speed, aperture, format, auto settings, etc.

INTRODUCTION TO AERIAL FILMING

Case studies, significance and techniques of filming aerial shots. Subject/location based planning of aerial shots

AERIAL FILMING WITH INSTRUCTOR

Practical hands-on aerial filming of shots studied in previous module. Practice single and dual control shots



TIMETABLE

DAY	TIMINGS	ACTIVITY
DAY 1	11AM TO 5PM	THEORY SESSION
DAY 2	11AM TO 5PM	THEORY SESSION
DAY 3	8AM TO 3PM	ON-FIELD FLYING
DAY 4	8AM TO 3PM	ON-FIELD FLYING
DAY 5	8AM TO 3PM	ON-FIELD FLYING

ELIGIBILITY CRITERIA:

Min. 10th Pass from Recognized Board
Age Group: 18 to 65 Years

FEES: Rs. 30,000 + 18% GST

