FLY@MACH INNOVATIONS

AERONAUTICAL WORKSHOPS

UAV (UNMANNED AERIAL VEHICLE)

Introduction to UAV - History and classification

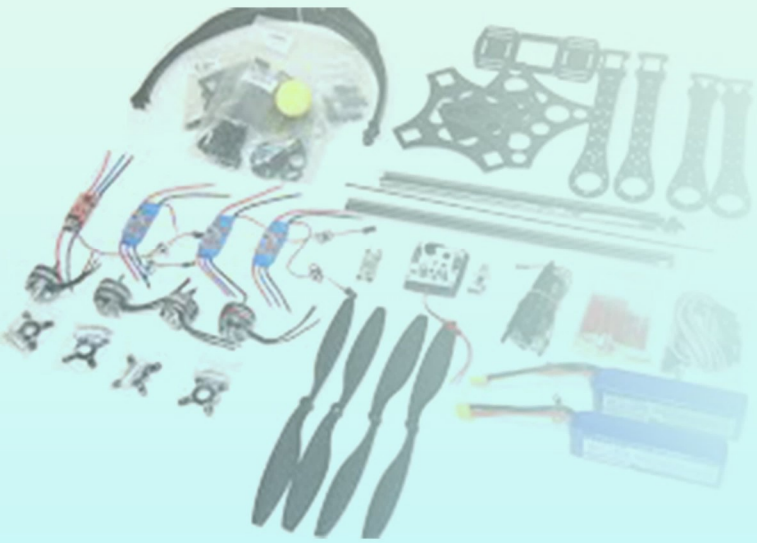
UAV operating principle

Selection criteria for UAV based on application

Design methodology and Parameter selection

Propulsion system selection

Avionics and Navigation system



Understanding of forces of flight

Equilibrium - Understanding stable and unstable systems

Aerodynamics - Explanation of forces and axes involved in flying

Uses of Actuators and motors

Electro optical payloads and other sensors

Synchronizing of Transmitter and Receiver

Live flying with expert guidance

Assembling of various components

Use of software firmware update

FCB interfacing with sensors

Flight trains and error rectification