

Outcome:

The student will understand where drones are used and how important drone technology will be in the future.

The student will understand how a drone is built from scratch

Requirement:

- Components : For Advance Level PlutoX Drone
- Software or App : Drone Simulator & Drone Fundament App
- Required Laptop with internet connection
- No prior knowledge in programming

Drone Fundamentals - Basic

Module 1: Applications of drones and construction

Module 2: Basics of propellers and how does a drone fly?

Module 3: Propeller speed and making

a drone fly?

Module 4: Pitch, Roll and Yaw motion

of a Drone.

Module 5: Yaw motion of a Drone.

Module 6: Drone competition





Drone Designing, Engineering & Flying - Advance

Introduction

The Platform

PrimusX - The hardware

Magis - The software

Ease of tinkering with PlutoX

No programming for normal flights

Tinkering Loop

Header

void plutolnit ()

void onLoopStart()

void plutoLoop()

void onLoopFinish()

Application Programming Interface (API)

Projects

Prerequisites

Cygnus IDE

Installation

Verification



