**Hoan**

## Drone Version 1:

Research frames and drone schematics

Research components (propeller, ESC, FC, PDB, motor, battery)

Solder drone parts:

* Solder wires to drone controller (FC)
* Solder ESC to FC

Install firmware to drone controller

Install Flight controller software(Beta-flight) to laptop

Connect flight controller to laptop and configure drone settings

Adjust radio control signals

Test motors and RX signals (receiver)

Test indoor flight

## Drone version 2:

Research compatible drone-hardware

Find suitable ground control

Assemble drone parts (Raspberry Pi (Ppi), Navio2, ESC…) to drone frame

Solder ESCs and drone power distribution board to test motor

Install raspbian and ardupilot firmware to Rpi

Configure ardupilot in Rpi

SSH to Rpi via wifi

Install mission planner (ground control station) on laptop and configure/connect to Rpi on drone

Test ground connection with hardware

Calibrate ESC and compass of drone with mission planner

Adjust parameters of ardupilot in Rpi to let the drone arm

**Thịnh**

## Drone Version 1:

Research frames and drone schematics

Research components (propeller, ESC, FC, PDB, motor, battery)

Assemble drone components:

* Attach components to the frame
* Attach propeller with motors

Install firmware to drone controller:

Install Flight controller software(Beta-flight) to laptop

Connect flight controller to laptop and configure drone settings

Calibrate ESCs and propellers

Test motors and RX signals (receiver)

## Drone version 2:

Research compatible drone-hardware

Assemble drone parts (Raspberry Pi (Ppi), Navio2, ESC…) to drone frame

Solder ESCs and drone power distribution board to test motor

Install raspbian and ardupilot firmware to Rpi

Configure ardupilot in Rpi

SSH to Rpi via wifi

Install mission planner (ground control station) on laptop and configure/connect to Rpi on drone

Test ground connection with hardware

Calibrate ESC and compass of drone with mission planner