**Dronesters**

Date: 07/23/18

Attendance: Sari Yono, Ogein Moshi, Tony Kestoo, Martino Kinaya, Ramiz Yono, Stevan Nissan, Rouddi Hanna, Evan Jajo, Mark Daiowd

Drone Objectives

**Must be able to lift the following**

* Camera
* Boards
* Motors
* Frame
* Props
* Motor Speed Control
* Components for video transmission
* Batteries

**Capabilities**

* Flight duration
  + 20 mins drone mode
  + 1 hour plane mode
* Altitude? plane and drone mode
* How far can it fly away from the controller
* Emergency mode to return to start point of the drone is about to die, loses controller signal
* Display screen for camera
* Human detecting mechanism
  + No thermal imaging for demo
* Obstacle avoidance features
* Camera tracking, lock on an object white the drone is turning a different to a different direction

**To do for next meeting:**

* Research parts
  + Figure out which components to use (get the parts specs)
* Get familiar with wireless video and wireless controls
* Research software features
* Research wing deploying methods
* Research designs to use (think of new designs)