ESE516 Video Draft

1. Introduce two team members. Talk about the project and its intent. Max 60 seconds both of us
2. Talk about OTAFU. Max 30 seconds derek
3. Talk about OLED? (just the picture is fine, we don’t use it much). Max 30 seconds wei
4. Talk about node red code and what is happening. Max 1 min derek
5. Talk about GPS and IMU, using nodered (with the flags travelling). Max 1 min wei
6. Display the final PCB product (cad pictures). Max 30 seconds wei

Let’s record 1) today

We will make a GPS-tracking device that will draw on an OLED of where it has been and display metrics of its experience through the accelerometer. We will interface with WiFi to connect to our phone’s hotspot connection to broadcast these metrics and data into the cloud storage. The cloud network will feed the data into our NodeRed website, where we can visually see and track the device’s locations. The device can show the real-time location with the scatter plot on NodeRed, compare with an initial location, and alert the user on the website if it is outside the expected range.

Derek record otafu and node red this weekend

Weihao record and talk about OLED this weekend

Wei record and talk about final pcb design this weekend

Weihao and derek record the GPS + imu video on Monday, weihao voice over afterwords