



Sprint #1

1. Build detector

* flag potential potholes

- gyroscope
- accelerometer
- ultrasounds

* send potential pothole info via BT

* sampling of sensors with temp data storage

* external power for system

* case to protect + mount system

2. Prototype app to detect potholes

* establish BT connection with ESP-32

* determine whether event is a pothole

• determine pothole severity

* access location data

* send pothole information to Pothole API

* push notifications to alert pothole

1	Pothole detection packet
	ultrasound readings: accelerometer readings gyroscope readings

2	Pothole incident packet
	location: severity: ultrasound readings: accelerometer readings: gyroscope readings: user confirmation: