

Meeting Minutes

9/23/2016

- **Set up meetings with:**
 - Tellis
 - Harvey
 - Dr. Black (Jason.black@fam.u.edu)
- **Tasks**
 - Collision early warning system into vehicle
 - Vehicle has ability to measure where it is and where it is headed
 - Based on speed determine imminent collision with nearby vehicles
 - Do not worry with non-communicative objects
 - OBD port data – velocity / direction ?
 - Position and time/ cardinal direction
 - Transmission packet to send to and from device in vehicles
 - Collision inference based on vehicle speeds and directions/ positions
 - Brake engaged possibly no warning (to driver) needed .
 - Possible GPS system
 - UDP connection
 - About 59 GHz rates
 - Budget: \$10,000
 - Shared between other team
 - Possibly two devices built to work in parallel
 - Adding ME to have a platform for testing purposes.
 - SBI group – Dr. Black
 - 6 teams of 5 member where each is split into different roles
 - Need Analysis
 - Generate customer use cases
 - How person will interact with device.
- **Objectives**
 - Gather data
 - Form data packet
 - Use data packet to form warning collision system.
 - Dr. Bernadin - OpenXC device
 - Reviewers: Dr. Bernadin, Dr. Kwan. Dr. Tung
- **Additional Features**
 - Hazard warning
 - Traffic modeling
 - Automated parking/ traffic merging