

GLV Work Breakdown

ECE 492 - Spring 2015

Abstract

This document details the schedule and breakdown of work for the GLV team. If this schedule is followed, the project will stay on task and can be successfully completed.

Revision 2.0.0

GLV Team

Week 11

Group Milestone

- **ATP Final**

VCI

- Mechanical layout sketch
- Purchase PCB Parts

TSI

- Purchase PCB Parts

GLV Power

- Soldered circuit board
- Finished mechanical box drawings
- purchase of additional parts

GLV Hub

- (Holding fab)

Cockpit Panel

- Complete Rack Mount drawing
- Safety Circuit parts purchased

Side Panel

- Fix drawings for panel

Week 12

VCI

- Assemble VCI Board
- Mechanical Drawings finalized and sent for fab (mid week)

TSI

- Assemble TSI Board
- Mechanical Drawings finalized and sent for fab (mid week)

GLV Power

- Send drawings to fab (early week)
- Program arduino
- Wire power system together

GLV Hub

- Send out fab (late week)

Cockpit Panel

- Send drawings to fab
- Assemble Safety Circuit PCB

Side Panel

- (Waiting on fab)

Week 13

Group Milestone

- ATR

VCI

- Assemble VCI mechanical board
- Wire VAB Computer, VCI Board, MicroController, Touchscreen display
- QA Test

TSI

- Assemble TSI mechanical board
- QA Test

GLV Power

- QA Test
- Assemble into Mechanical System
- Integrate with side panel

GLV Hub

- (waiting on fab)

Cockpit Panel

- Mechanical and electrical assembly of System
- QA Test

Side Panel

- Mechanical and electrical assembly of System
- QA Test

Wiring

- Cable construction

Week 14

Group Milestone

- Integrate! Integrate! Integrate!
 - Inter-GLV Integration
 - Extra-GLV Integration
- ATP Test
- Document Update

GLV Hub

- Assemble