

Team Baja

Meeting Minutes

4/8/14

- List of Subsystems
 - Engine & Wheel RPM Sensor - Patrick
 - Needs perf board to continue design
 - Will need to also be able to record rpm data at faster rate when in "test" mode so that Baja team can analyze gear shifts
 - Display Screen – Stephen
 - MechE team says rpm does not need to be displayed
 - Display must include: speed, current lap time, prior lap time, and mode (corresponding to race vs. test mode)
 - GPS/SD Card Storage – Mike
 - Both systems now working on one project
 - SD card functions too long for ISR
 - Must add semaphore to store data for storage
 - ISR must be able to indicate when the gps string is complete
 - Once string is complete, sd card functions will trigger
 - Board Design – Matt
 - Board design of version 2 is complete
 - Will now need to add an extra pin or two for buttons in case we need to add any
 - One toggle switch/button pin will be needed for race vs. test mode
 - Silkscreen will be added for next version
 - Power button must be accessible from an external switch/button