

LAFAYETTE COLLEGE

Electric Formula SAE 2020-21

Easton, Pennsylvania 18042-1775

FSAE Electric Formula Car Notes – 3:10, Zoom, September 21, 2020

Midweek Check-Ins (Devin)

- Meet with Devin sometime this week
- If no meeting, then Devin will share that with professors (not good)
- Devin will send out Google meet invites

Monday Check-Ins (Zach)

- Battery-Packs
 - Budget, TD001
 - Want to produce overall wiring diagram for battery packs, plan to finish this week
 - Take a look at firmware afterwards
 - Jack - compile errata, implementing changes into inventor models
- CarMan
 - Ben in charge of CarMan
 - TSI
 - FSM testing completed
 - Put out document describing tests that have been completed
 - **Decide if need new TSI board**
 - GLV
 - Coming up with design for AMD and IMD fault logic, had meeting with Nadovich
 - **Decide if need new GLV board**
- Dashboard

- Polished material for design review
- Tested connections between RPi & phone over the weekend
- Drivetrain & Cooling
 - Met with frame team for mounting solutions
 - Decide where radiator needs to go
 - Complete model of drivetrain in inventor done
- Frame/Chassis
 - Frame design review tomorrow
 - Need to deliver minutes and pps to management
- Interconnect
 - Updating CarMan, review by end of the week
 - Next lab, preliminary design for cable test bench
- SCADA
 - Design review last week, high level software diagram
 - Demoed UI with sensor data on terminal
 - User can add or remove sensors with GUI
 - Obtained I²C protocol RPi
 - Nadovich: Wants to see running two displays
- Steering, Suspension, Braking
 - Optimum Kinematics access gained, imported
 - Got access to all acopian documents and models
- Management
 - Continue updating WBS and creating a Gantt chart

Submitted Deliverables (Andrew)

- TD001 completed with one revision, asking for people to review document

Upcoming Deliverables (Andrew)

- 4 weeks from now, individual goals, design proposal, 5 min status report

Extra notes

DO NOT FAIL SAFETY QUIZ

Structural Equivalency spreadsheet 10/14

Electrical System Form 10/21