

LAFAYETTE

COLLEGE

Electric Formula SAE 2020-21

Easton, Pennsylvania 18042-1775

FSAE Electric Formula Car Meeting Notes – 3:10, Zoom, November 9th, 2020

Monday Check-Ins

Zach

- Battery-Packs
 - Mechanical Test Assembly
 - Isolation changing decided after meeting with Nadovich
 - Electrical Test Demonstration
 - Testing multiple cellman, making test bench while working with one cellman
 - PacMan working on figuring out what is needed for firmware
 - Test Plan should be written and BOM soon
- CarMan
 - Design Review Held
 - Working on design changes from this
 - Design Review this week with new changes
 - After design review, good to go to order parts
- EPAL
 - 6.1 Side Panels done
 - Waiting on interconnect & chassis
 - Design Review 1PM
 - BOM updated 6.13
 - Inventor models updated 6.1
 - PCB Front Dash complete
 - Software maintainability plan being worked on
- Drivetrain & Cooling
 - Second Design Review
 - Made changes and approving reservoir design
 - Design update tomorrow
 - Drawings planned to be submitted before finals week

- Drivetrain finalizing drawings for manufacturing
- Working on tracking down order
- Frame/Chassis
 - VR3 Purchase Request sent, rear chassis finalized
 - New full car model
 - Body panels being created
 - Non Seniors helping with body panels
- Interconnect
 - Working on System Level Diagram, finding what parts needed
 - Held up by CarMan final
- SCADA
 - 7.11 Maintainability Files being worked on
 - 7.6 draft of watcher class, still working on testing and finalizing
 - Demo Success
- Steering, Suspension, Braking
 - 13.8 Test Plan optimum kinematics
 - Implementing models into full car model tonight
 - Steering - finalize control arm locations 11.3
 - Part drawings for control arms
- Management
 - Purchasing Requests
 - Upcoming Deadlines
 - Website Rework Continuous
 - Status letter to be put out

Upcoming Deliverables

Andrew

- November 16th
 - Five Minute Status Presentation (WBS 22.5)
 - Overview of what has been accomplished this semester and how it plays into next semester
- November 30th
 - Project Management Plan (WBS 21.2)
 - Poster Session Update (WBS 22.13)
 - Video Session about your portion of project, separate pieces but should be coherent
 - Due 29th
- December 3rd
 - TD003 Safety Plan (WBS 22.3)
 - First Draft Later this month

- Have 1-2 page document detailing anything needed for operation of subsystem -
Nov 16th
 - Include Lockout Tagout Methodology
 - TD007 Mid-Year Progress Report (WBS 22.7)
- December 7th
 - Program Information Sheet (WBS 21.4)
 - Team Photo (WBS 21.5) **Done**