

LAFAYETTE

COLLEGE

Electric Formula SAE 2020-21

Easton, Pennsylvania 18042-1775

FSAE Electric Formula Car Meeting Minutes– 3:10, Zoom, April 23rd, 2021

Schedule

→ No new updates

Deliverables

- Dyno Test Plan is complete and will be submitted this weekend
 - Read over and reach out to Thomas if there are problems
- Project Video
 - Take videos of important milestones
 - Take pictures
 - Give them to Thomas if you have them
 - Breakdown
 - Subsystem breakdown
 - What you learned
 - Look out for announcement about the video, it will outline what you have to do
- Design Event
 - ECE Final Presentation
 - Tuesday 4/27/21 1:20 - 1:40
 - Presentation top level from managers
 - Team leads can answer questions regarding their subsystems
 - Prompt from formula hybrid → outlined in document & appendix D in rules
 - Design objectives
 - Functions
 - Design Specs

- How well it meets our requirements

Purchasing

- We have surpassed our overall budget
- Added percent to plan for better visual 4% over budget
- 4 POs
 - Drivetrain got in their major order
 - Weekly spend \$792.89

Check - Ins (What is in the way)

Interconnect

- Carman enclosure
- Large TSV cables waiting to be dimensioned till after systems are on the car

Carman

- Carman cabling
- Enclosure
- Software → integration with SCADA
- Firmware

Battery Packs

Electrical

- Safety Loop - Time
- CANBUS - Time to integrate with SCADA

Mechanical

- Fitbit issues
- Lacking on materials
- Need to machine new part drawings so we can get our $\frac{1}{8}$ in clearance
- **Looking to have complete prototype by Tuesday 4/27**

EPAL

- SCADA & EPAL Integration

SCADA

- Physical connections to hardware

Cooling

- Waiting for other systems for testing

Chassis

- Pedals → waiting on seat
- Seat & Harness → Was waiting for purchase order

SSB

Brakes

- 4th hub → need to order brake pad, waiting for quote

Steering

- Waiting for parts to come in
- Assembly afterwards

Drivetrain

- Waiting for tripod housing to come in to finish orders
- Then assembly