

LAFAYETTE

COLLEGE

Electric Formula SAE 2020-21

Easton, Pennsylvania 18042-1775

FSAE Electric Formula Car Agenda – 3:10, Zoom, February 26th, 2020

Deliverables

Andrew

- 2/22/21 (Missed)
 - ESF - 2
- 2/26/21 (Today)
 - Safety Plan
 - Dyno & On-Road Test Plans
- 3/22/21 (Sooner than you think)
 - Design Report
 - Sustainability Report
 - Design Specifications Sheet

Schedule Update

Thomas

- 3/5/21 Subsystem Completion (Next Friday)
 - Subsystem Test Plans

Weekly Check-Ins

Interconnect - waiting on 2 more shipments, cable assembly has begun

Carman - 4.5 manufacturing by end of next week, boards built by GLV -today, others by end of the week, need to fabricate another round of boards once these work.

Batterypack - Cellman should be tested in 1 to 2 weeks. We are assuming it's not enough to run the car and so we will use the mechanical model to run the car and have Nadovich manually charge the packs. Mechanical packs will be complete, whole thing monday without panels

WHAT NEEDS TO HAPPEN BEFORE CELLS

- Safety loop with AIRS

- Internal busses
- Bring up the pack
- Can you put two cells or four cells in it to test? (4 is min) Run it up to 200A and at 12V so we can see if its operational. Slowly put more cells in

Chassis - chassis is fully prepared for welding, seat and harness drawings have been approved. Pedals → we are looking good, just need to do brake over travel switch

EPAL - parts have been received, assembly has begun with the disassembly of the previous side panels, cutting and assembly will happen next week. We are on track. We only have the smaller of the two printers, see if it is something that can be broken up or if the printer is the right size

SCADA - 7.6.2 watcher implementation has begun, placed an order to have a backup screen, successfully generated data that can be used for testing. We need a solid SCADA system display by the March 5th deadline. "When you turn it on it works"

Cooling - Will hit the March 5th deadline

SSB - PO for shock rebuild kit we have most of the tools for it. Suspension is ready to be put on when the subframe is attached. Steering tabs are being manufactured beginning next week. All parts will be on the table and ready for mount by 5th.

Drivetrain - will hit the rolling chassis deadline. Will be done by the March 12th deadline because of machining time.

Deliverables -

ESF - 2 missed its deadline

Safety Plan - Not yet finished look at the document that Andrew will release to see what you have to do

Top level Test Plan - Is already late

Budget Update

Deliverables