LAFAYETTE COLLEGE

Electric Formula SAE 2020-21

Easton, Pennsylvania 18042-1775

FSAE Electric Formula Car Meeting Minutes– 3:10, Zoom, April 9th, 2021

Schedule Update

- Almost everything is on the DYNO (we are behind)

Deliverables

- Will post ESF-2 to the
- All teams should be ready for meeting on tuesday 4/12 @1:10(Rules meeting) List measurements for sensors
    - Carman
    - Scada
    - Battery packs
- Lots of sensors are looking at top level pieces → car speed. These span multiple subsystems. Difficult to divide it up
- Website deliverable
    - We need to get on it
    - Change in structure
        - Car based for design
        - Year based for deliverables

Purchasing Update

- Being within 10% of final budget at the finish is considered good
- Large purchases not accounted for
    - Drivetrain : $600
    - Steering : Coupling & Shaft
    - Carman new boards

Subsystem Check-Ins

Interconnect - Good to go

Carman - TSI ready for integration, precharge complete

Battery Packs

Mechanical - parts good building may begin

Electrical - bug fixing and new features

EPAL - Cockpit mounted on dyno

- Dashboard needs screen then ready for dyno

SCADA - Working on general integrations with other teams

Cooling - Waiting in DYNO Room for testing

DYNO - (electrical test) → waiting on boards soon

Chassis - Nearly complete for main chassis
Pedals -
Suspension - needs 1 part then complete
Helm - the way the shock is mounted (rear) reservoir for the shock is too close to the tire. You could rotate the axis by 180 degrees to protect the reservoir. OR you could flip the shock around.
Brakes - close to completion but need new disc fasteners & brake line (will be ordered)
Steering - Drawings still being submitted and still ordering parts
Drivetrain - ordering parts that were not ordered by last year's team. Very near completion

Rolling Chassis - 4/23 complete 4/30 revisions complete
Nad → definition of rolling chassis, at what point would work end up stopping on the car if there are no electronics

IF WE GET IT ALL DONE NAD WILL BUY US DINNER