

Returners Meeting

Fast Recap of Competition- Video to be played on Monday with New Individuals

New Advisor: Dr. Jerath- Swarm Technology

THIS YEAR

Same Competition- to 10,000feet

Solid Fuel- Homemade fuel

- Safety/Testing plans

- Need to have a testing facility

Developmental subgroup for Hybrid(R&D)

- Could be implemented as soon as summer of 2017

- Longer term project-Safety/testing is Key

Officer position: Logistics

- Gather all materials needed for outings

- drawing packages, detailing each part manufactured

2015/2016 Subgroups

-Aerodynamics/structures

- reverse mold

- explore fuselage material options

 - design matrix

- 1 to 3 ballast points for easy addition/removal

-Electronics

- telemetry(real time)

- modular system

- easily accessibility

- improved arming system

-Recovery

- guided recovery system (Professor Matt Taylor)

- fireproofing(lines to parachute)

-Launch

- new launching mechanism

-Solid- Homemade

-Hybrid- Homemade

-Payload- K-12

- Involving high school students in the payload- CAPS for high school

- get payload info first (size, dimensions)

-Rocket Cosmetics

- Make it presentable

- Sponsors on Rocket

- Overall
 - Test materials(stress)
 - center rocket CG all around
- Gantt Chart(scheduling)

Improvements for this year- Think feasibility for 1 year

Next Meeting: September 11th, Friday, 5:30pm FIZ Dana 15

Meetings:

8/28-Returners video/ discussion about what we want to do/ideas

8/31-First meeting for New Individuals/aerospace Polos/rocket video/basics of subgroups-
research what I want to do(Aerodynamics, Electronics, Recovery, and Propulsion-)

9/11- Returners give presentations on individual sub-groups, choose groups