CySat Senior Design Team

sdmay21-25

Report Period: August 31 - September 13

Team Members:

Alexis Aurandt - OBC Lead
Alex Constant - Ground Station Front-End Lead
Chandler Jurenic - Payload Lead
Jeffrey Richardson - ADCS Lead/Team Lead
John Lenz - Radio Lead
Scott Dressler - EPS Lead

Summary of Progress in this Period:

- Completed Lightning Talk
- Introduced to M2I CySat team
- Gained access to CySat CubeSat CyBox
- Met with CySat TA Christopher Dardano in Weekly Meeting

Pending Issues:

- OBC: Project from last semester cannot build; it contains 346 errors. Sent Bryan(prior OBC lead) an email about it.
- Radio: Communicated with Matthew Nelson during M2I meeting asking about the urgency of completing the radio. Mr. Nelson said he would like to communicate and get on the same page with Dr. Jones on the timeline of tasks.

Individual Contributions:

Team Member	Contributions	Hours Worked	Total Hours
Alexis Aurandt	Lightning talk, started setting up the development environment	3	3
Alex Constant	Lightning Talk, started to set up dev environment and looked into Python virtual env setups.	4	4
Chandler Jurenic	Lightning Talk	1	1
Jeffrey Richardson			
John Lenz	Lightning Talk	3	3

| Scott Dressler | Lightning Talk | 3 | 3 |

Plans for Upcoming Reporting Period:

OBC:
- Complete setting up development environment for the OBC
- Start getting familiar with the code and datasheet

Ground Station Front-End:
- Complete setting up development environment for GSFE and research tkinter Python GUI design and practices

EPS:
- Familiarization with the EPS device and the I^2C communication protocols

Payload:
- Contact previous lead and start to get familiar with the SDR

Radio:
- Organize a meeting with the previous lead and continue to familiarization of documentation.