sdmay18-16: Implementing OpenPLCs into a Cyber Defense Competition
Week 10 Report
November 25 - December 1

Team Members

Matthew McGill — *Meeting Facilitator, Project Manager*
Brennen Ferguson — *Hardware Engineer*
Joseph Young — *Security Engineer*
Liam Briggs — *Hardware Engineer*
Joshua Przybyszewski — *Software Engineer*
Nicholas Springer — *Secutiry Engineer*
Val Chapman — *Testing Engineer*

Summary of Progress this Report

Most of this week was spent in preparation of the first semester senior design presentation. Making sure all team members are as knowledgeable as necessary in all aspects of the project and knowing the organization of our presentation and who will be fielding certain topics of questions has proved to make the teams presentation significantly more coherent.

Pending Issues

For our final deliverable, much work is still needed on our front end web app and its direct connections to the Factory I/O application. There is always more time that can be put into Factory I/O in a creative way, experimenting with new factory lay outs and tasks. Basing a scenario off of a real factory's situation would be great and that is something we'd like to make more ground on.

Plans for Upcoming Reporting Period

After our presentation, the team will take the criticisms of our project into direct consideration and decide what actions we will take to counter them. This may create an entirely new schedule for the team. If the critics are in general agreement with our process and plan, we plan to put more work into the web app and then distribute our system to testers outside the team

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Matthew McGill	Planned meetings, organized and delegated presentation assignments, and contacted supervisors with details of presentation	3	43
Brennen Ferguson	Maintained modbus/OpenPLC code and collected data for the presentation	4	48
Joseph Young	Researched previously discussed vulnerabilities for clearer interpretation in our vulnerabilites document	2	42

Liam Briggs	Formatted website and added more current information, researched Factory I/O implementations	3	47
Joshua Przybyszewski	Made progress on web app and made changes to overall web app format	3	47
Nicholas Springer	Maintained and updated virtual machines and the teams credentials for testing	3	57
Val Chapman	Did some basic use testing in the virtual machines and updated documentation	2	43