

Team Name: sdmay24-39

Team Members: Cole Burkle, Tiffanie Fix, Trace Haage, Alec Cose

Report Period: Sept 11-Sept 24

Summary of Progress in this Period

- Finalized our project/problem statement. Focusing specifically on designing and implementing an Intrusion Detection System on a control system using the CAN bus protocol.
- Collaborated to figure out functional requirements of the IDS system, as well as performance, usability, and security requirements associated with building a CAN bus testbed and an IDS
- Created a list of possible constraints we will run into and associated IEEE engineering standards with these requirements and constraints to be followed throughout the project planning and implementation.
- Began finalizing the project plan, creating tasks/goals and various milestones to reach.
- Researched the technical aspects of each task to create subtasks detailing certain software/hardware will be associated with each task, and the further skills needed for each.
- Worked on the management side of this project, adopting an agile-scrum style of management with more lenient sprints. Decided upon using Git and Discord for sharing files and handling version control.
- Discussed possible risks and developed mitigations for said risks. Again, more focusing on the project management side.
- Created a rough draft of a Gantt chart to carry out our work on the project in these next two semesters.
- In the end process of finalizing an equipment list to get ordered from ETG to create CAN bus testbed. Still in discussion with our graduate assistant to figure out the best possible option.

Pending Issues

- Lack of equipment list
- Gantt chart needs to be more detailed/specific
- Risks and risk management needs to be more technically specific
- Subtasks have not been assigned

Plans for Upcoming Reporting Period

- Need to finalize an equipment list to get ordered from ETG.
- Update Gantt chart to include sub tasks as well, this schedule will be easier to make once we have the equipment and have no restrictions as well.
- Update possible risks once we know more technical aspects of the project, researching risks associated with certain software/hardware.
- Assign subtasks and create teams based on the skills needed for the task and our team members background