Progress Report 4

Project Title

Transmission Control System Design using CRIO Real Time Controller: Data Gathering and Actuator Control

Team Members

Group 35

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Group Meetings with Advisor

During this last period, there was one meeting held with our supervisor. This meeting was held to verify our progress, as well as to provide some basic information about the new force sensors we were provided.

Project Readings

The specifications of the force sensors were provided as readings for this period.

Recent Progress

During this period, the data logger module was revised and demonstrated to our supervisor. The force sensor was studied and a framing circuit was designed.
The compactRIO component was unavailable for integration this period. The integration was pushed back until the next period. Work began on new content for the final report instead.

Future Plans

During the next work period, the integration with the compactRIO will be attempted. The work on the GUI component will be continued. The force sensor circuit will be adequately tested and integrated with the Arduino. Work on the feedback loop of the overall system will begin this period.

Group Work Report

So far, the Arduino tasks have been evenly split between two team members, Aditya and Alejandro. The third team member, Shayan, has been working remotely on the GUI components of the project.