

Team 09

Project Title: Automatic Design of Distance Protection

Date: 10/31/21

Members:

- Individual 1 – Anthony Ruffalo
- Individual 2 - Chye Stecher
- Individual 3 - Josh Vrenick
- Individual 4 - Matthew Dobrzynski
- Individual 5 - Taylor Semple
- Individual 6 - Keegan Kraft

What we've accomplished in the past week/what we've been researching

- Individual 1 - Set up systems and programs for data collection
- Individual 2 - Worked with PLECS, prepared for data collection
- Individual 3 - I had a meeting with our client and discussed the RT Box and our project as a whole and learned a lot about what we should be doing for our project.
- Individual 4 - Learned how to feature different faults quickly within PLECS and how to get data of different faults.
- Individual 5 - Devised a solution to set switches to help automate the data collection process.
- Individual 6 - Reviewed PLECS model, and creating the various types of faults

What we're planning to do in the coming week

- Individual 1 - Fine tune data collection and begin experimenting with neural networks
- Individual 2 - Get enough data to run in python.
- Individual 3 - I plan on working on making a plan for the C-Script and doing research for what C-Script functions would work for implementing the Python code.
- Individual 4 - Working on drafting up a professionalism presentation.
- Individual 5 - Produce data for the Python and machine learning aspects. Work on presentation for next week.
- Individual 6 - Work on Professionalism presentation for its debut on the 9th.

Issues we had in the previous week

- Individual 1 – No issues.
- Individual 2 - No issues.
- Individual 3 - No major issues.
- Individual 4 - No issues
- Individual 5 - No major issues.
- Individual 6 - Nothing noteworthy