Team 09

Project Title: Automatic Design of Distance Protection

Date: 10/10/21

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 - Further researching into deep learning development and connecting to the PLECS model using python.

-Individual 2 - Read through our advisor's recommended article about a specific solar energy fault example. Was able to go over several different articles about the topic, and attempted comparing graphs with our PLECS runs.

-Individual 3 - Read over some new documents that our client had sent us and messed around with the PLECS model some more.

-Individual 4 - Reviewed Fault in a transmission system which may show something similar in our PLECS model, continued to play around with PLECS and understand the software.

-Individual 5 - Reviewed findings from previous week in PLECS and continued to find things.

-Individual 6 - Read the new document our client sent to us, along with reviewing last week's PLECS findings.

What we're planning to do in the coming week

-Individual 1 – Finish python scripts that can run the PLECS simulations to start data collection.

-Individual 2 - Continue observing our PLECS models with any differences and advancements. Also getting our excel results into python.

-Individual 3 - I plan on reading over the RT box datasheet and do some research on how to use it while also working on the PLECS model more.

-Individual 4 - Continue to work with and understand PLECS and how our fault detection system should work from a transmission system standpoint.

-Individual 5 - Continue working with PLECS to get a load of data ready for the Python involvement.

-Individual 6 - Continue to work with PLECS to get more and more data for our Python people

Issues we had in the previous week

-Individual 1 – No complications

-Individual 2 - No issues thus far with the understanding.

-Individual 3 - Our client missed our bi-weekly meeting, but besides that I had no major issues.

-Individual 4 - No major issues within the previous week.

-Individual 5 - No real issues from the past few weeks.

-Individual 6 - Our professor forgot about our weekly meeting