Number of the Project	BV01
Name of the Project	Python Program for Ladder Iterative Load Flow
Date and Time	2021-11-19
Attendance	1. Abrar Ahsan 2. Muhammad Shirazi 3. Rehnuba Fairoj
Agenda for the Meeting	1. Python code for rearranging the branch data array 2. Implementing 10 bus system calculation engine
Milestone to be completed this week	1. Tested linear system calculation engine from GUI to calculation engine output upto 10 buses. 2. Set up python code to rearrange the branch data for branched networks.

Description of Work Completed last Week

Member 1	Member 2	Member 3	Member 4
1. Update flowchart with branched network changes. 2. Wrote python code to sort through the branch data to find existence of branched network. 3. Wrote python code to rearrange the data for branched network	1. Researched on 33 bus branched network power and load-flow 2. Wrote a python program and design a calculation engine for 10 bus system	1. Update flowchart with branched network changes. 2. Wrote python code to sort through the branch data to find existence of branched network. 3. Wrote python code to rearrange the data for branched network	1. Studying Pandas and NumPy to better understand implementations.

Description of Work to be Completed next Week

Member 1	Member 2	Member 3	Member 4
1. Implement code for branched network. 2. Continue working on code to sort the input CDF file's array to work with branched network 3. Transfer working code to NumPy and Pandas commands instead of for loops	1. Continue working on the 10 bus system	1. Implement code for branched network. 2. Continue working on code to sort the input CDF file's array to work with branched network 3. Transfer working code to NumPy and Pandas commands instead of for loops	1. Implement code for branched network. 2. Continue working on code to sort the input CDF file's array to work with branched network 3. Continue studying NumPy and Pandas

Difficulties encountered	N/A
Mitigation Plan if any	N/A