

Number of the Project		BV01	
Name of the Project		Python Program for Ladder Iterative Load Flow	
Date and Time		2021-10-22	
Attendance		1. Abrar Ahsan 2. Parham Habibi 3. Muhammad Shirazi 4. Rehnuba Fairoj	
Agenda for the Meeting		1. Calculation engine - Flowchart expanded 2. Implemented simple calculation engine 3. Refreshed UI with file selector	
Milestone to be completed this week		1.Calculation engine to perform using multiple busses. 2. Making the software more modular. 3. Update high-level flowchart for the new software additions. 4. Use Github for version control.	
Description of Work Completed last Week			
Member 1	Member 2	Member 3	Member 4
1. Read through papers on load flow. 2. Conversion of Excel data to be parsed through Panda’s script. 3. Started putting together main dev file.	1. Read on implementation methods for more efficient solution 2. Implemented a very simple ladder-iterative calculator for single bus.	1. Implemented a GUI with file selector. 2. Researching different GUI designs as well as implementations.	1. Implementing a GUI with file selector 2. Further progress on Python course
Description of Work to be Completed next Week			
Member 1	Member 2	Member 3	Member 4
1. Module implementation to read from excel and pass info to calculation engine. 2. Convert 33Bus into IEEE CDF.	1. Expand on the calculation engine to work with loads. 2. Work with member 1 to combine data reader with calculation engine.	1. Build a basic GUI to point towards the excel file. 2. Work on calculation engine to work with loads. 3. Make sure input files are being correctly passed to the reading module.	1. Continue Python Course 2. Make sure input files are being correctly passed to the reading module.
Difficulties encountered		N/A	
Mitigation Plan if any		N/A	