Ryerson University
Department of Electrical, Computer, & Biomedical Engineering
Faculty of Engineering & Architectural Science

COE/ELE 70AB Milestones Compliance Report (MCR)

Project Title	Python Program for Ladder Iterative Load Flow
MCR Number	IV (weeks 10 & 11)
Project Manager for the MCR period	Student A: Abrar Ahsan
Team Players for the MCR period	Student B: Parham Habibi Student C: Muhammad Shirazi Student D: Rehnuba Fairoj
Faculty Supervisor	Dr. Balasubramanian Venkatesh

1. **Tasks Outlined for the Reporting Period (e.g. MCR I – Weeks 4 & 5)** (Provide detailed information on the tasks to be completed for the reporting period as per the milestone submitted to your FLC in Week3)

Group: Milestone compliance report 4

Student A: Student A will combine with Student B and run tests on the calculation engine from Data Reader to Calculation Engine. Data is to be provided by Student D.

Student B: Student A will combine with Student B and run tests on the calculation engine from Data Reader to Calculation Engine. Data is to be provided by Student D.

Student C: Integrate Student A's implementation with the GUI and run tests to ensure the inputs are moving into the system.

Student D: Run tests along with Student A and B. Run tests on Student C's implementation

2. **Progress Made in Reporting Period (e.g. MCR I – Weeks 4 & 5)** (Provide detailed information on the progress that you (as a group and individual) made during the reporting period. You can include figures, datasheets, flowcharts etc. and additional information as requested by your FLC. You should use your progress to justify compliance to the tasks outlined for the reporting period as per the milestones submitted to your FLC in Week3)

Group: Initial calculation engine has been integrated with data reader and GUI. Tests are successful on a linear network.

Student A: Integrated data reader with the calculation engine and GUI. Set up Panda Power to use for verification. Prepared code for data sorter for branched networks.

Student B: Tested and debugged calculation engine

Student C: Integrated GUI with data reader. Prepared code for data sorter for branched networks.

Student D: Integrated GUI with data reader. Prepared code for data sorter for branched networks. Learning NumPy and Pandas.

3. **Difficulties Encountered in Reporting Period** (Provide detailed information on the difficulties and issues that you encountered during the reporting period and how you plan to address this in the following periods)

Student A: No difficulties encountered.

Student B: No difficulties encountered.

Student C: No difficulties encountered.

Student D: No difficulties encountered.

4. **Tasks to Be Completed in the Next Reporting Period** (Outline the tasks to be completed in the next reporting period. Please note this should match with your milestones submitted to your FLC in Week3, however in consultation with (and approval of) your FLC, you can modify this to accommodate incomplete tasks from previous period. Here you should also identify the Project Manager for the next period)

Group: Oral Exam. Integrating the system according to the planned flowchart.

Student A: Complete the data sorter using NumPy commands instead of for loops.

Student B: Continue working on calculation engine along with integration of full system.

Student C: Complete the data sorter using NumPy commands instead of for loops. Modify calculation engine to work with branched data.

Student D: Complete the data sorter using NumPy commands instead of for loops. Continue learning Python and NumPy.