

COE/ELE 70B : Group and Individual Milestones & Deliverables

Group Members:

- Student A: Abrar Ahsan
- Student B: Parham Habibi
- Student C: Rehnuba Fairaj
- Student D: Muhammad Shirazi

Project Title: BV01: Python Program for Ladder Iterative Load Flow

Note: Please refer to the GANTT chart posted on D2L for all Due Dates.

Phase: I

Project Manager: Abrar Ahsan

* “Initials” under “individual tasks” means you put your initials (first letter of your firstname . first letter of your lastname), the assignment of tasks **should match** your COE/ELE70A.

* Note: The below milestones template is subjected to modifications by your respective FLCs.

Week	Group Tasks	Individual Tasks: Student A: (Initials*)	Individual Tasks: Student B: (Initials*)	Individual Tasks: Student C: (Initials*)	Individual Tasks: Student D: (Initials*)
1	<div>Phase I Milestones and Deliverables Submission by Project Manager Submission Due: Jan 11th, Tuesday by 11:59PM</div>	AA	PH	RF	MS

2	1. Test for error cases for Python GUI 2. Test for error cases in Data Parser 3. Integrate the two functions and run combined tests.	AA	PH	RF	MS
3	1. Create the main.py 2. Combine the Data Parser along with the Python GUI and test for edge cases	AA	PH	RF	MS
Phase I Deliverables	1. Complete the integration of the Data Parser and the Python GUI 2. Demonstrate the functionalities of the GUI 3. Demonstrate the data parser extracting the data using debugger mode. Demonstrate that the data parser is extracting the only information that is required into a separate array.	AA	PH	RF	MS

For FLC (Internal Use ONLY)

Milestones Compliance Report 1 (Project Manager:)

Submission Date (Due: Friday by 11:59pm of week 3):

Minutes of Meetings weeks 1, 2, and 3 (Project Manager:)

Submission Date (Due: Friday by 11:59pm of respective weeks):

Notes:

Phase: II

Project Manager: Rehnuba Fairoj

4	<div>Phase II Milestones Submission & Project Manager</div> <div>Submission Due: Jan 31st , Monday by 11:59pm</div> <div>1. Upgrade GUI and Calculation Engine</div>	AA	PH	RF	MS
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5	Feb 11th, Friday by 11:59pm, Theory and Design Sections Submission 1. Test for error cases for Calculation Engine 2. Test for error cases in Data Parser 3. Integrate the two functions and run combined tests.	AA	PH	RF	MS
6	1. Test for errors in Calculation Engine 2. Generate excel output	AA	PH	RF	MS

Phase II Deliverables	1. Complete the integration of the Data Parser and the Calculation Engine 2. Demonstrate the functionalities of the Calculation Engine 3. Demonstrate the calculation engine output. Demonstrate that the data parser is extracting the only information that is required into a separate array and depositing it into the calculation engine 4. Confirm that an output Excel was produced	AA	PH	RF	MS
For FLC (Internal Use ONLY) Milestones Compliance Report 2 (Project Manager:) Submission Date (Due: Friday by 11:59pm of week 6): Minutes of Meetings weeks 4, 5, and 6 (Project Manager:) Submission Date (Due: Friday by 11:59pm of respective weeks): Notes:					

Phase: III

Project Manager: Parham Habibi

7	<p>Phase III Milestones Submission & Project Manager</p> <p>Submission Due: Feb 28th, Monday by 11:59pm</p> <p>1. Test for error cases for Calculation Engine. 2. Optimize branched 10 bus network calculation engine. 3. Combine GUI and phasor.</p>	AA	PH	RF	MS
8	<p>1. Test for error cases for Calculation Engine. 2. Calculation engine optimization and upgrade. 3. Demonstrate the functionalities of the Calculation Engine. 4. Combine Calculation Engine and Parser.</p>	AA	PH	RF	MS

9	1. Test for error cases for Calculation Engine. 2. Calculation engine optimization and upgrade. 3. Combine Calculation Engine output and Data Parser.	AA	PH	RF	MS
Phase III Deliverables	1. Set up Panda power. 2. Create output XML and Excel. 3. Calculation engine optimization and upgrade.	AA	PH	RF	MS

For FLC (Internal Use ONLY)

Milestones Compliance Report 3 (Project Manager:)

Submission Date (Due: Friday by 11:59pm of week 9):

Minutes of Meetings weeks 7, 8, and 9 (Project Manager:)

Submission Date (Due: Friday by 11:59pm of respective weeks):

Notes:

<div> <div>Phase: IV</div> <div>Project Manager: Muhammad Shirazi</div> </div>					
10	<div>Phase IV Milestones Submission & Project Manager</div> <div>Submission Due: Mar 21st, Monday by 11:59pm</div> <div> 1) Complete all tests regarding gui and data parser individually. 2) Complete all tests and debugging for gui and data parser integrated together. 3) Complete all tests and debugging for gui, data parser, and calculation engine integrated together. </div>	AA	PH	RF	MS
11	<div> 1) Testing overall system with 33 bus data. 2) Validating results using panda power </div>	AA	PH	RF	MS

12	<p>Apr 7th, Thursday by 11:59pm, Submission of Individual Contribution Summary (Your FLC may choose to conduct your project oral exam in week 12 and/or week 13)</p> <ol style="list-style-type: none">1) If correct output is attained from the 33- bus dataset, then testing with larger 69 bus network.2) Final report submission.3) Oral exam preparation.	AA	PH	RF	MS
Phase IV Deliverables & Final Demo		AA	PH	RF	MS

For FLC (Internal Use ONLY)					
Milestones Compliance Report 4 (Project Manager:)			Submission Date (Due: Friday by 11:59pm of week 12):		
Minutes of Meetings weeks 10, 11, and 12 (Project Manager:)			Submission Date (Due: Friday by 11:59pm of respective weeks):		
Notes:					
13	Mandatory Tasks (both as Group and Individual): - Project Oral Exam and - Final Report Submission (Apr 14 th).	AA	PH	RF	MS