



American International University- Bangladesh (AIUB) Faculty of Engineering (EEE)

Course Name:	Introduction to Electrical Circuits Lab	Course Code:	COE 2102
Semester:	Fall 2022-23	Sec:	T
Faculty:	Mr. Bishwajit Banik Pathik		

Task:	Perform Open End Lab following given instructions.
Experiment title:	Construct an R-L-C circuit with a series parallel combination and apply KCL and KVL in AC and analyze the behavior of the circuit through data obtained during Laboratory work.

Student Name:	MD. SHOHANUR RAHMAN SHOHAN	Student ID:	22-46013-1
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Group Members	ID	Name
Group Name	1. MD: 22-46013-1	MD. SHOHANUR RAHMAN SHOHAN
	2. 22-46024-1	Mahnaz Tabassum Orpita
	3. 22-47000-1	Lida Khan Mukti
	4. 22-47045-1	Tarin Sultana
	5. 22-47048-1	A.F.M. Rafiul Hassan

CO4: Implement electrical circuit (including DC, AC source, load and measuring equipment) in a group from the given schematics circuits and adapt with electrical measuring devices considering standards for professional engineering. (P.e.2.P4), K6-P1,P4,P5

Marking Rubrics (to be filled by Faculty)

	Objectives	Unsatisfactory (0-1)	Good (2-3)	Excellent (4-5)	Marks
Performance (20)	Identify experiment goals	Cannot identify goals	Can identify some goals but unable to draw adequate hypothesis	Can identify necessary and sufficient goals	
	Setup of experiment	Cannot setup experiment without support	Can setup some of the portions of experiment without support	Can setup the whole experiment without support	
	Take organized and accurate measurement	Cannot take measurements	Can take measurements but inaccurately	Can take organized and accurate measurements	
	Summarize findings and compare actual to expected results	Cannot summarize or compare findings to expected results	Summarize finding in an incomplete way	Summarize finding in a complete way	
Report (10)	Observation 1	Cannot answer any question related to the experimental setup	Can answer some of the questions	Can answer most or all the questions	4
	Observation 2	Unexpected experimental outcome between calculated data and experimented data	Somewhat unexpected experiment outcome	Accurate data collected from the hardware	3
	Comments	Assessed by (Name, Sign, and Date)	Total (out of 30):		

SL	Name & ID	Q ₁	Q ₂	Q ₃	Q ₄	Q ₅	Q ₆
1	MD. SHOHANUR RAHMAN SHOHAN 22-46013-1	4	3	0	3	4	
2	Mahnaz Tabassum Orpita 22-46024-1	2	2	0	3	2	
3	Lida Khan Mukti 22-47000-1	3	0	0	3	2	
4	Tarin Sultana 22-47045-1	4	2	0	3	1	
5	A.F.M. Rafiul Hassan 22-47048-1	4	4	0	3	3	

5/12/22