

**The title of the experiment**



**Fall - 2021/2022**

**EEE 201 – Circuit Theory 1**

**Lab 1 Report**

**Submitted By:**      **Name Surname**

**Student ID:**

**Date:**

## **Sections of the Report**

There are three main sections of the laboratory report.

- Objective
- Results
- Conclusion

### **Objective:**

In this section objectives of the report should be summarized. Laboratory manual also contains a section which explains the objectives of the experiment. The objective section in the report should not be copied directly from this section. It should represent your understanding of the experiment with your own words.

### **Results:**

This section contains the results obtained in the experiment. The results consist of data tables and graphs plotted on separate graphical papers. You should compare your results against expectations from theory, and quantify the differences. If the errors are significant, then you should state the possible reasons. It is strongly recommended that you enrich your results with your comments.

### **Conclusion:**

The conclusion section is a verbal summary of the experiment. It is important that you do not repeat the results section here; this should be a simple summary of what was done, observed and learned in the experiment.

### **Data Tables**

Tables are effective and concise tools to summarize results and point to differences across parameters. It is a good habit to think of plan out the data you would like to get from an experiment by preparing tables before starting any measurement. The units should always be included along with the data.

## Plotting the Graphs

Some of the results are presented by graphs more efficiently. Therefore, graphs are frequently used in reports. A proper plot should obey the following rules:

- All of the graphs should be plotted on a graphical paper.
  - Title of the plot should be written.
  - The vertical and horizontal axes should be drawn and clearly named.
  - The units of the axis should be written.
  - Origin of the plot should be clearly indicated.
  - The indicators corresponding to each unit on the axes should be depicted clearly.
  - Units of the values should always be mentioned.
  - Critical or important values should always be mentioned.
-