# EEE109 Lab 2 – Transistors

# (Lab Report Template)

**Group names:** *Student Name 1\*, Student Name 2*

**Student ID numbers:** *ID 1\*, ID 2*

**Group ID:**  *Lab Table ID*

**Submission date:** *dd/mm/yyyy*

*Student marked by \* submits the report on ICE on behalf of the team.*

### *Abstract (Italic, font: Times New Roman, font size: 14, line spacing: 1.5)*

*(Italic, font: Times New Roman, font size: 11, line spacing: 1.5)*

*Summarise highlights of the project (half page), including aims/objectives, overall approach, findings, achievements, and conclusions. The full report may include technical terms, but try to keep the executive summary in plain and simple English.*

### Background (font: Arial, font size: 14, line spacing: 1.5)

(Font: Arial, font size: 11, line spacing: 1.5)

Summarise the background to the project (and how it builds on previous work) and the need it for it (and why it’s important).

* 1. Subtitle (font: Arial, font size: 12, line spacing: 1.5)

(Font: Arial, font size: 11, line spacing: 1.5)

Add contents of the subsection 1.1.

* 1. Subtitle

Add contents of the subsection 1.2.

### Aims and Objectives

List the aim and objectives agreed at the start of the project, and note if they changed during the project i.e. the project objectives are:

1.

2.

3.

### Experiment/Methodology

Summarise the overall approach taken and why this approach was chosen over other options considered. Then describe the methodology in more detail. Depending on the project, this might include the methodology for research you carried out, technical design or development, evaluation, etc. Finally, note any specific issues that had to be addressed by the methodology, e.g. standards, interoperability, scalability, etc.

Describe how you planned and implemented the project work and the activities it involved. Depending on the project, this might cover technical development, processes, how you conducted user studies, etc. Include any problems or issues that arose and how you handled them, where readers can learn from your experience. Tell the story of what you did rather than listing workpackages.

### Results

Explain the end result of the project work in an objective way. Depending on the project, it might include research results, findings, evaluation results, data, etc. If the project created something tangible like content, a portal, or software, describe it. Engage the reader, and avoid a long list of deliverables.

### Result Discussion

In this section, assess the value of the project work. List project achievements against the aims and objectives set. Summarise project outcomes and their impact on the teaching, learning, or research communities. Indicate who will benefit from the work, how, and why. Also comment on what you learned that may be applicable to other projects, e.g. whether the methodology worked.

### Conclusions

Briefly summarise any conclusions that can be drawn from the project work.

### References

List any references to the work of others you have cited (e.g. articles, reports, studies, standards), and any explanatory notes. Provide URLs for any materials available on the web.

### Appendix A: Graphics: Graphics provide illustrated information to readers. In general, graphics are designed to make it easier for readers to understand your report. Deciding when to insert a graphic depends on the information you need to convey. You should not have “orphan” figures; you need to refer to these figure/graphs in the text. You should plot all your data and tabulate them, and label them properly. You should labels all the axis with the proper units; each figure should have a title.

### Appendix B: ****Marking Scheme****

|  |  |
| --- | --- |
| **Section Title** | **Marks** |
| Abstract | **5%** |
| Introduction | **5%** |
| Aims and Objectives | **5%** |
| Experiment/Methodology | **20%** |
| Results | **30%** |
| Discussion | **20%** |
| Conclusion | **10%** |
| Reference | **5%** |

**NOTE: Please follow this template when editing your Lab #2 Report. The font, font sizes and line spacing are defined explicitly in the template. Please do not alter them freely. The report STRUCTURE should be followed STRICTLY. Please DO NOT modify the MAIN section titles. You may add subsections/subtitles as necessary. Marks are allocated to the sections explicitly.**