

MSC ELECTRONIC INFORMATION ENGINEERING 2023-24

DISSERTATION GUIDELINES

The final deliverable for your MSc Project module is the Dissertation which is due on the 14th of July 2024. The report is worth 75% of the overall module mark. Read and follow the below guidelines thoroughly. Specific contents of the report can be refined based on discussions with your project supervisor. You should also use the materials from the Research Methods module to support this submission.

Specific format:

The report should:

- Be no longer than 60 pages long. This limit does not include front matter, references or an appendix. Do not exceed this page limit [excluding any special agreement with your supervisor].
- Include the standard TCD plagiarism declaration, see (<https://libguides.tcd.ie/friendly.php?s=plagiarism/declaration>).
- Use the LaTeX template for the final report template provided to create the report. Do not alter stylistic aspects [i.e., font size, line spacing, page margins, page numbers etc].
- Use scientific language and terminologies in the milestone report with appropriate use of figures and tables. The report should be formatted as a technical report with grammar, spelling and general presentation corresponding to a professional report to a line manager.
- Include a properly formatted bibliography at the end of the report.
- Clearly have your name, student ID, project title and supervisor name clearly mentioned [should be generated if the LaTeX template is used correctly]

Content:

The report should cover the following aspects. Use the page counts as a guide for each section.

- **Introduction and Aim of the project:** Recap the project goals and briefly explain the importance of this work. Refer back to your milestone report and highlight any deviations from this.
- **Literature Review:** Identify and review the key details from relevant work in this domain, how it links to your work and provide the motivation for your project. Make it clear how your proposed project sits in the space you have described, or how you are addressing shortcomings in other approaches etc. Reference all papers appropriately. This section would typically be more in-depth and focussed than the interim/milestone reports. You should also cover any specific methodology or data that your project builds on.
- **Technical work (or another suitable name):** Description of the work you carried out in the project. You may use detailed figures and/or tables to specify any architectural aspects, high-level overview, block-diagrams, or other appropriate observations from experiments / design space exploration etc.
- **Results:** Detailed description of experimental setup, results (in tabular / charts or other appropriate means), and a detailed analysis of your results. Any specific insights you can gain from your results should also be described, rather than simply stating them.

- **Conclusion:** Bring together the project, from aim to the outcome and how you achieved them. Include any implications of your outcomes in real-world scenarios.
- **Bibliography:** All references with proper cross-referencing.
- **Appendix (if any):** any additional detail which is too specific or too generic to be included in the body of the report, but is considered relevant in the context of the work (e.g., extra graphs, designs, lines of code, specific details of algorithms etc).
- **Note:** Technical work and results section could be split into multiple chapters that describe different parts of your contribution.

You should also include

- An **Abstract** – a scientific summary of maximum 1 page

Submission:

Submit your report electronically as a pdf document via Blackboard (no other format acceptable) via Submission Link [Turnitin] by 14/07/2024 23:00 GMT.

Marking: This report is worth 75% of your MSc project mark.