

INSTRUCTIONS FOR PROJECT REPORT WRITING CITS 5506: INTERNET OF THINGS

Write a final project report that provides information about your semester project, as well as document the results of your work. Include tables and figures as appropriate to illustrate your work. Your final report should synthesize all the work done on the project and should allow readers to understand and (to the extent possible) reproduce the methods developed and used. Well documented code is to be attached as appendix, along with a small **How To** guide related to hardware setup and software installation and running. A link to Github repository should be included, if applicable.

Your final project report should be formatted to conform to the Project report template given below. It should include a cover page with Project Title, Group members' names and their student number, Unit Detail and Semester, Year. You should submit a PDF of your formatted report to LMS, one per group.

The word count of project report is **4500 to 5000** (excluding appendices).

Report should have logical sequencing of ideas, aided with sections and well-developed paragraphs. Subsequent paragraphs should provide supporting details with meaningful transitions.

Also go through the uploaded rubric to know the marking scheme.

Project Report Title: 18 pt Arial Bold, Upper and Lower Case

Abstract: The abstract of project should be self-contained and explicit, setting out the ground covered and the principal conclusions reached and should be **one paragraph**. The suggested length is 200 to 250 words. The format is 10 pt Arial, fully justified. It should state problem, approach and conclusion.

BODY

Main headings are Caps, Bold. Text must flow in one column spreading over the full width of the page. All text is 10 pt Arial, fully justified. Leave 1 space above and one space below headings and sub-headings.

Introduction

The main purpose of an introduction is to enable the reader to understand without undue reference to other sources. It should therefore have sufficient background material for this purpose. A **separate** strong, clearly written **problem statement** that describes problem and importance of its solution (one paragraph) should be included in the Introduction. The introduction should state the main topic, identifies the problem the report will address, compares other approaches and previews the report's structure. Your approach will come in the main body. Secondary headings (sub-headings) are Upper and Lower Case, Bold. Second level sub-headings are Upper and Lower Case, Italics.

Main Body

You should present logical sequencing of ideas; uses sections and well developed paragraphs. Approach should be explained clearly (with a block diagram, flowchart etc) and should draws on and references prior related work.

- **Equations**

If you refer any equation in report, equations should be numbered consecutively as they appear in the text with Arabic numerals and should be explained and referred by their numbers, e.g., Equation 3 in the text.

- **Figures and Photographs**

Figures must be of high quality (clear and readable) and should be preferably in colour. Figure number and caption should appear at the foot of the figure. Figures should be numbered consecutively with Arabic numerals, in the order in which reference is made to them in the text, e.g., Figure 1, Figure 2, etc. If a figure is made, it must be referred and explained in the text. Figure Captions is 10 pt Arial, centered.

- **Tables**

Table numbers and captions appear at the top of the tables. Tables should be numbered consecutively with Arabic numerals, in the order in which reference is made to them in the text, e.g., Table 1, Table 2, etc. Table Captions should be 10 pt Arial, centered. If a table in made, it must be discussed in the text.

- **Results**

Testing details (testing conditions, use cases, testing duration, amount of data etc), its analysis, limitations, optimization and results (accuracy etc.) should be discussed in detail.

Conclusion

The real value of a project is reflected in the nature, soundness and clarity of the conclusion, so particular care should be taken with this section. Make sure your Conclusion section is an effective summary of the work you did. It should not present any new information but should describe the main outcomes of your project. Your conclusion should focus on what you accomplished and why it is important, you also point at potential limitations of the work. The conclusion should be different than the abstract.

A conclusion must always start by addressing the main topic of the thesis, in order to remind the reader “where it all began.” The next step is to briefly bring forward results previously discussed at some point in the report, however not too extensively. The aim is to put everything on the table in order to finish the line of thought presented throughout the report. Furthermore, in a conclusion section, it is not only important to bring forward results and findings but, above all, stress their significance. Add impactful language and construct clear, but solid statements.

Recommendations and Future Work

A **short text** on how the work may be improved in future.

Appendices

If more than one, appendices should be lettered A, B, etc., e.g. Appendix A. Each Appendix should also have a title. Your code with comments must be given in appendix. Different functions must be written separately with comments about their functionality.

ACKNOWLEDGMENTS

Any particular assistance out of the ordinary or outside of your project group may be acknowledged. Any code taken from internet or any other source must be acknowledged. Do not use the numeral for the acknowledgements section.

REFERENCES

Do not use the numeral for the references section.

Style

References should be as per IEEE reference style.

Order

The references must be listed in the order referred in the report.