

# Project Report

(Due date: 2022-04-14 by 11:59 PM)

You must format your project report similar to a research paper. The report must include the following sections.

## ▼ Abstract:

The report summary, where you can briefly state the problem that you have identified, your proposed solution and the overall results.

## ▼ Introduction

Clearly state the problem you are trying to resolve, the reason for your selection, background information about the issue that includes details about recent related work, your contribution and the remaining structure of the paper.

## ▼ Background and Related work

The background lists information about concepts that you have used in your proposed solution. For example, if you have used Convolution Neural Networks(CNNs), you can provide theoretical aspects of the algorithm. Also, you can list details about the metrics that you have used to evaluate your models.

Provide information about the related work conducted by other researchers to resolve the same or a similar problem that you have identified. Rather than providing information directly from the related papers, you can represent information in a more logical structure by synthesizing the related work. Also, you can highlight how your approach is different from the mentioned work.

## ▼ Proposed solution

If your research involves conducting experiments, you can provide the necessary information about building, training, evaluating and testing the model. In addition, you can provide all the details about the range of hyperparameters you have tuned and their impact.

If your research is about a systematic literature review, you can include all your findings in a logical form by synthesizing the filtered studies.

You can name this section according to your project requirements and create subsections accordingly.

▼ Results

You can list the results obtained from the conducted experiments in a comprehensible format. For example, list the results obtained using different machine learning algorithms and highlight the best results.

▼ Discussion

Discuss your findings so that your work will be highlighted.

▼ Conclusion

Conclude your project by summarizing the research findings and including future research directions.

▼ References

List all the references included as citations within the project report.

All the external resources that you have used must be cited accordingly. When adding citations, you can use the APA(American Psychological Association) formatting style. Not being able to provide the necessary citations will be considered plagiarism.

Your report will be graded based on its content and presentation quality. For example, the assessment of the presentation quality will be based on the overall structure of the document, correct referencing and citation, clarity and comprehension of the text. Concerning the report content, you must structure your report in line with the sections mentioned above. The majority of the marks will be allocated to the proposed solution, results and discussion.

Please note that the section headings provided above can be changed according to your project requirements, and also, you can include additional sections accordingly.

**Report submission:**

Please include all the associated files with the report as a single .zip file when submitting the report. For example, include all the program files if you have created a machine learning model.