**Project Title**

**By**

**[Student Name]**

**[ID]**

**Project Type: [Thesis/Research]**

**Course Code: [CISC 499]**

**Supervisor(s):**

**Date:**

**Abstract**

[ Max 700 words. What has been done in this area, what you have done or your contribution and how you evaluated your work if it was an implementation ]

**Table of Content**

**Chapter 1**

**Introduction**

* 1. **Motivation**

[ why is this work important, what has been done and what is lacking with respect to the literature study you have done about the state-of-the-art ]

* 1. **Problem Description**

**[** Describe the problem that you are exploring in the project ]

* 1. **Key contributions**

[ Add after you have done the work. What have you implemented and how does it improve the state-of-the-art ]

* 1. **Organization**

[ Chapter 2 describes…of the rest of the report: What is in chapter 2, 3,…]

**Chapter 2**

**Background**

We describe some background concepts and present a literature study in this chapter.

* 1. **Background**

Concepts relevant to the research

* 1. **Literature Study**
  2. **Comparative Analysis**
     1. **List of Criteria**

Describe a list of criteria based on which you compare the different works that you have studied. Why are these criteria important?

* + 1. **Comparison Tables**

Create one or more tables to compare the different works based on the selected criteria

* + 1. **Discussion**

Discuss the table in detail identifying the good and bad features so that anyone interested in doing research in this area would be able to select a specific approach given a problem.

**Chapter 3**

**Implementation**

General introduction about what is the problem, what did you implement as a solution and why.

* 1. **Overview (of the solution, can be a machine learning model, or a framework)**

**[** What is your approach to solving the problem? The tools and data you will use, the experiments you will do and why these experiments are good to validate your work? ]

* 1. **Data**

What data are you using, from where, how will you collect the data, preprocess the data, workflow, end result. Write this part when you are collecting and processing the data.

* 1. **Implementation Details**

General description of what you implemented and how.

* + 1. **Implementation Environment**

OS, CPU, memory (configuration of the implementation and test environment), software or tools used, why, what is it going to do.

* + 1. **Validation**

How are you going to test if your system works and fulfills your objective? What are the specific experiments you will do with your program? List the results you get from your experiments in detail.

* Experiment 1: [ What experiment, why, what is it going to help validate?]
* Experiment 2: [ Tests that you executed to check your systems functionality ]
  + 1. **Results**

[Present the results you got from your experiments, screen shots, data flow diagram, experimental results, precision/recall, confusion matrix]

* + 1. **Discussions**

[ why do you think you have error, what were the challenges, explain why you got such results, what can be done for improvement ]

**Chapter 4**

**Conclusion and Future Work**

* 1. **Summary**

[ of the previous chapters, one paragraph for each chapter ]

* 1. **Limitations (**for thesis type only)

[of your work, problems that you encountered]

* 1. **Future Work (**for thesis type only)
  2. **Open Problems** (for research report only)

List and discuss one or more key problems that you have identified from this study that one can work on for a Master’s or PhD research**.**