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|  | **DAYANANDA SAGAR UNIVERSITY**  **KUDLU GATE, BANGALORE – 560068** |



**Bachelor of Technology**

**in**

**CSE(Artificial Intelligence and Machine Learning)**

**Machine Learning for Pattern Recognition**

**(TITLE OF THE PROJECT)**

By

**Name of the student- Roll No.**

**Under the supervision of**

**Dr. Jayavrinda Vrindavanam**

**Professor and Chairperson CSE(AI&ML) Department**

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING,**

**SCHOOL OF ENGINEERING**

**DAYANANDA SAGAR UNIVERSITY,   
Bangalore**

**(2021-2022****)**

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LIST OF ABBREVIATIONS

|  |  |
| --- | --- |
| AI | Artificial Intelligence |
| DL | Deep Learning |
| GUI | Graphical User Interface |
| PHP | Pre-Processor Hyper text |
| MySQL | My Structured Query Language |

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Abstract

This page will contain a concise and summary of the project work. The entire abstract should not be more than 200 words. Start by clearly defining the purpose of your project. It can include some brief context on the social or academic relevance of your topic, but don’t go into detailed background information. After identifying the problem, state in 1-2 sentences what’s already known about the problem, what previous research has been done or shown state the objective of your research. Use verbs like investigate, test, analyze or evaluate to describe exactly what you set out to do. Next, indicate the research methods that would be used in the project.

CHAPTER 1

INTRODUCTION

CHAPTER 1 INTRODUCTION

This is a sample chapter showing you the formatting styles. The aim of this document is to present the basic guidelines on how a report should be constructed for B. Tech project. All students must confer to the rules and guidelines that have been laid out in the following sections while writing their final report. The content should have line space 1.5, justify both sides and do not hyphenate.

1. **FIRST LEVEL OF HEADING:**

This project report shall be presented in several chapters, starting with Introduction and ending with Summary and Conclusions. Each of the other chapters will have a precise title reflecting the contents of the chapter. A chapter can be subdivided into sections, subsections, and sub subsection so as to present the content discretely and with due emphasis.

* 1. **Second Level of Heading:**

The title of Chapter 1 shall be Introduction. It shall justify and highlight the problem posed, define the topic, and explain the aim and scope of the work presented in the project report. It may also highlight the significant contributions from the investigation.

* + 1. *Third Level of Heading*

This shall normally form Chapter 2 and shall present a critical appraisal of the previous work published in the literature pertaining to the topic of the investigation. The extent and emphasis of the chapter shall depend on the nature of the investigation

1. **figures and Tables**

Center Align all the figures. Caption should appear at the bottom of the Fig. To give the caption, right click the figure and choose figure caption with numbering as <chap No.>.<fig number>

Chart, histogram

Description automatically generated

Figure 1.1 A sample Figure

Table 1.1: A sample table

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl.No.** | **This is a** | **Sample** | **Table** |
| 1 | ITEM 1 | SAMPLE1 | SOMETHING |
| 2 | ITEM2 | ANOTHER SAMPLE LINE SPREADING OVER | SOMETHING |

Center Align all the Tables. Caption should appear at the top of the table. To give the caption, right click the table and choose caption with numbering as <chap No.>.<fig number>

1. **Scope**

The scope of the project needs to be explained. Also, students must state if the project has some **social or environmental impact**.

**CHAPTER 2**

**PROBLEM DEFINITION**

**CHAPTER 2 PROBLEM DEFINITION**

**CHAPTER 3**

**LITERATURE REVIEW**

**CHAPTER 3 LITERATURE REVIEW**

This Chapter details about the state of the art of the work in which students are creating the project. Students must provide the write up regarding the literature review in their own words. They should not copy and paste the contents from the paper. All the work mentioned in this section must provide the citation to the work. The same must be included in the Reference section with the square bracket followed by the reference number.[1]

**CHAPTER 4**

**PROJECT DESCRIPTION**

**CHAPTER 4 PROJECT DESCRIPTION**

**CHAPTER 5**

**METHODOLOGY**

**CHAPTER5 METHODOLOGY**

**Methodology**refers to the overarching strategy and rationale of your project. It involves studying the methods used in your field and the theories or principles behind them, in order to develop an approach that matches your objectives.

**Methods** are the specific tools and procedures you use to collect and analyze data (for example, experiments, surveys, and statistical tests).

Here you clearly outline what methodology you used in your work i.e. what work you did and how you carried out the work.

It must be clearly written so that it would be easy for the reader to know how the work is done.

It is usually written in a 'passive' voice

**Describe your methods of data collection**

*Existing data*  
Explain how you selected case study materials (such as texts or images) for the focus of your analysis.

What type of materials did you analyze?

How did you collect and select them?

How you prepared the data before analyzing it (e.g. checking for missing data, removing outliers, transforming variables)

**CHAPTER 6**

**EXPERIMENTATION**

**CHAPTER 6 EXPERIMENTATION**

It can also describe any problems that may have arisen during implementation and how you dealt with them.

Do not attempt to describe all the code in the system, and do not include large pieces of code in this section.

Complete source code should be provided separately (see Appendix B and submission guidelines).

Instead pick out and describe just the pieces of code which, for example:

 are especially critical to the operation of the system;

Can include the algorithm

**CHAPTER 7**

**RESULTS AND ANALYSIS**

**CHAPTER 7 RESULTS AND ANALYSIS**

Include Test Cases

Result of test case

Screen shot of the outputs

Evaluation of results in form of tables and Graphs

**CONCLUSION AND FUTURE WORK**

**REFERENCES**

1. Author1, Author2, .. AuthorN (year). "Paper/ Publication or Book Title," in *Journal or conference name;* <Journal issue details – volume no, page no., or Place of conference if applicable>, Year of publication.

<Please see examples below>

1. G. Eason, B. Noble, and I.N. Sneddon, “On certain integrals of Lipschitz-Hankel type involving products of Bessel functions,” Phil. Trans. Roy. Soc. London, vol. A247, pp. 529-551, April 1955.
2. A. Lieto, M. Bhatt, A. Oltramari, D. Vernon (2018). The role of cognitive architectures in general artificial intelligence, Cognitive Systems Research, 2018; 48:1-3. doi: https://doi.org/10.1016/j.cogsys.2017.08.003.
3. J. Jin, C. Song, H. Li, K. Gai, J. Wang and W. Zhang (2018). Real-Time Bidding with Multi-Agent Reinforcement Learningin Display Advertising. CIKM '18: Proceedings of the 27th ACM International Conference

**APPENDIX A**

**APPENDIX A**

**CODE/PROGRAM**