

APPLIED MACHINE LEARNING INTENSIVE (AMLI), SUMMER 2021
CAPSTONE REPORT

PROJECT TITLE

June 30, 2021

Student 1, Department, email
Student 2, Department, email
Student 3, Department, email

1 Abstract

This section provides an overview about the project. It should be completed at the very last stage of writing, i.e., after you have completed all the other sections.

2 Introduction

Phase 1: Introduce the project and estimate the plan

In this first Phase report, you need to address all the following items:

- Introduce the problem that you are going to address
- The goal of this project
- Define all the milestones for coming Phases:
- The contributions and role of each member: Program manager, Note taker, etc

- **Phase 1:**

Timeline: From June 25 to July 02

Goals: (i) Form the team; (ii) Define the capstone topic; (iii) Make a plan on who does what for the coming phases; (iv) Estimate the task and goal for the next Phases: fill out the content for Phase 2, Phase 3, Phase 4.

- **Phase 2:**

Timeline: From June 02 to July 09

Goals: Please include your plan on the following tasks. Remember to add who will do what? For each task, please specify time and plan to do + Collect the data and annotate + Reproduce the code + Understand the input data so that you can run the code on your custom data.

- **Phase 3:**

Timeline: From July 09 to July 19

Goals: Please fill with your plan including timeline and who will take care the task

- **Phase 4:**

Timeline: From June 19 to July 28

Goals: Please fill with your plan including timeline and who will take care the task

3 Literature Review

Optional but Encouraged

- How, when the problem was raised by whom, what event, etc.
- Any attempts have been proposed to address the problems
- Pros and Cons of each existing solution
- How does your proposed solution fit within here, i.e., is your solution improving an existing solution, just another solution, or revolutionizing the way of thinking?

Make sure to cite references.

4 Data Analysis

Phase 1: describe the data (input, output), details the data acquisition (how you plan to collect the data), data preparation (how to prepare the data both both training and testing)

5 Project Implementation

In this section, please detail your idea and describe details of your project design and implementation, document challenges and obstacles and how you overcome them in design and implementation.

You are encourage to use figure to visualize the proposed method.

6 Experimental Results

In this section, introduce the dataset information, evaluation metrics, describe your testing and experiment design and setup, and conduct the testing and experiments. The results should be shown under qualitative analysis and quantitative analysis.

7 Conclusion

In this section, you should provide a concise summary of your work, state the importance of your idea and your contribution towards solving the problem. Point out any improvement could be done if you had more time. List some ideas as future work.

8 Acknowledgment

I thank my advisor for the guidance and I appreciate the financial support from my family and sponsors,

References