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# Project Report - ECE 176

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## Abstract

Describe the overall picture of your project here. Give a short description about the different parts you are going to cover in the proposal, but do not include too many details here.

We do not have requirements for the code. The only requirement is that it should be from you, not copy paste from online repo.

## 1 Introduction

In this section, you need to describe the problem you want to solve. Besides You can include the following things(You do not have to cover all of them):

- the motivation of solving this problem.
- your understanding of the problem.
- some key parts of the approach you propose to solve the problem.
- a few sentences summarizing your results.

## 2 Related Work

You can describe the works related to you method in this section. You should at least mention two to three papers that are related to your project and how they are related.

## 3 Method

In this section, you should describe your method (Do not need to be the exact method you describe in project proposal). Besides, You can include the following things(You do not have to cover all of them):

- the detailed structure of your method, including the formulations, network architecture figure.
- training algorithm, testing algorithm.
- what is the new proposed techniques compared to previous work, and the reason and strength of choosing the method.

## 4 Experiments

In this section, You should include the following things:

- the datasets you use:

- the brief introduction of the dataset
- the data format
- other information related to your experiments
- your results
- ablation study on training your networks, how does the method work with more or less data, with/without some components (optional)

## **5 Supplementary Material**

You should also include a video recording a presentation (with motivation, approach, results) for this project.

## **References**

In this section, you should include reference to the work you mentioned. Any choice of citation style is acceptable as long as you are consistent.