Project Title

Names

Abstract—**This document has some guidelines to help you write the project report for ECE 1513. The abstract should describe the problem at hand, why is it significant, why do you want to use machine learning to solve it, what are the machine learning methods you are exploring and using, how will it solve the problem then highlight the results and main conclusion from the results. Recommended length is 200-250 words.**

Index Terms—**ECE 1513, Introduction to Machine Learning**

I. INTRODUCTION

1) Recommended length: 0.5 page
2) General overview to warm-up the reader (the opening paragraph)(2-3 sentences)
3) State the problem (challenge) and existing solutions (1-2 paragraphs)
4) Proposed solution: main idea (1-2 paragraphs)

II. SYSTEM DESIGN

1) Discuss a primary solution and compare it to 2 other alternatives
2) Justify why you decided on the solution you picked
3) Justify the usage of some hyperparameters
4) Recommended length: 1-2 pages

III. RESULTS

1) Discuss the metrics you will use to evaluate your work
2) Include figures with your results (training and/or validation and/or testing)
3) Recommended length: 1 page

IV. CONCLUDING REMARKS

1) Recommended length: 1 - 2 paragraphs

REFERENCES

Please number citations consecutively within brackets [**?**]. The sentence punctuation follows the bracket [**?**]. Refer simply to the reference number, as in [**?**]—do not use "Ref. [**?**]" or "reference [**?**]" except at the beginning of a sentence: "Reference [**?**] was the first ...." The recommended length is 0.5 page.