Wireless Automobile Detection, License Plate Processing, and Data Availability Network Proposal

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Abstract

300 words or less. Also, we need to put the EECS department in the title area as our professional affiliation.

1 Project Description

A description

1.1 Introduction

Introduction

1.2 Related Work

[1] describes an implementation of a system to detect automobiles entering and exiting a parking lot using a magnetometer and wireless nodes based on the commercially available Arduino Fio microcontroller platform. This system uses the ubiquitous IEEE 802.15.4 communications standard to communicate automobile detection data to a central base-station based on the small, commercially available Raspberry Pi Linux computer. The

project described in this proposal will augment and extend this project while collaborating closely with Stillwell, to the point of a real world deployment at the Colorado School of Mines.

2 Proposed Work

2.1 Automobile Detection

Santiago

2.2 Raspberry Pi Image Collection

Kevin

2.3 Central Basestation

Everyone

2.4 Server Processing

Brandon

2.5 Web Application

Taylor

3 Summary

A summary [2]

References

[1] R. Stillwell, A. Wilson "Magnetometer Parking Sensor" *EGGN 383 Final Project, Colorado School of Mines*. December 12, 2013

[2] X. Johnson