**Abstract**

**Chapter 1**

**Introduction**

***1.1 Background of the Project***

INTELLIGENT TRANSPORTATION SYSTEM

COMPUTER VISION

TRAFFIC FLOW MONITORING

METHODS FOR CLASSIFYING VEHICLES

BLOCK DIAGRAM FOR CLASSIFYING VEHICLES

BLOCK DIAGRAM FOR MACHINE LEARNING

***1.2 Project Overview***

PHILMATIS and OTHER CURRENT IMAGE PROCESSING APPROACH FOR VEHICLE DETECTION

**Chapter 2**

**Related Work**

***1.1 Vehicle Detection***

***1.2 Feature Extraction***

***1.3 Vehicle Classification***

**Chapter 3**

**Problem Statement and Objectives**

**Chapter 4**

**Preliminary Findings**