TABLE OF CONTENTS

CHAPTER NO.	TITLE	PAGE NO
	ABSTRACT	**iv**
	LIST OF FIGURES	**viii**
	LIST OF ABBREVIATIONS	**ix**
1	**INTRODUCTION**	**1**
2	**LITERATURE SURVEY**	**5**
	2.1 GPS AND GSM BASED ENGINE LOCKING SYSTEM USING SMART PASSWORD	5
	2.2 TRACKING AND RECOVERY OF THE VEHICLE USING GPS & GSM	6
	2.3 IMPLEMENTATION OF A VEHICLE TRACKING SYSTEM USING SMART PHONE AND SMS SERVICE	6
	2.4 GPS BASED VEHICLE TRACKING AND MONITORING SYSTEM- A SOLUTION FOR PUBLIC TRANSPORTATIONS	7
	2.5 INTELLIGENT VEHICLE CONTROL AND MONITORING USING GSM &GPS	7
	2.6 REAL TIME BUS MONITORING SYSTEM	8

	2.7	DESIGN & IMPLEMENTATION OF REAL TIME TRACKING SYSTEM BASED ON ARDUINO INTEL GALILEO	8
	2.8	AN IMAGE PROCESSING ALGORITHM FOR VEHICLE DETECTION AND TRACKING	9
	2.9	CAR ACCIDENT DETECTION SYSTEM USING GPS & GSM	9
	2.10	GPS BASED ADVANCED VEHICLE TRACKING AND VEHICLE CONTROL SYSTEM	10
3	**EXISTING SYSTEM**		**11**
	3.1	INTRODUCTION	11
	3.2	VEHICLE TRACKING	11
	3.3	VEHICLE MONITORING	14
4	**PROPOSED SYSTEM**		**17**
	4.1	MAJOR UNIT	17
	4.2	GSM MODULE INTERFACE WITH MSP430 MICROCONTROLLER	19
		4.2.1 PRECAUTIONS BEFORE INTERFACING GSM MODULE WITH MSP430 MICROCONTROLLER	19
		4.2.2 INTERFACING OF GSM MODULE WITH MSP430	20
		4.2.3 LCD MODULE INTERFACE WITH MSP430 MICROCONTROLLE	21
5	**HARDWARE AND SOFTWARE USED**		**25**
	5.1	ALCOHOL SENSOR	25
	5.2	EYEBLINK SENSOR	27
	5.3	MEMS SENSOR	28

5.4 MSP430 MICROCONTROLLER 29
5.4.1 ANALOG 33
5.4.2 TIMERS 34
5.4.3 SYSTEM 35
5.4.4 COMMUNICATION AND IINTERFACE 38
5.4.5 METERING 40
5.4.6 DISPLAY 40
5.5 GSM MODULE 41
5.6 GPS MODULE 43
5.7 MOTOR DRIVER 45
5.8 LCD DISPLAY 47
5.9 BUZZER 49
5.10 ENERGIA IDE 50
6 RESULT 53
7 CONCLUSION 55
8 FUTURE WORK 56
APPENDIX 57
REFERENCES 71