

<b>Contents</b>	<b>Page No</b>
<b>Certificate.....</b>	<b>i</b>
<b>Acknowledgement .....</b>	<b>ii</b>
<b>Abstract.....</b>	<b>iii</b>
<b>List of figures.....</b>	<b>iv</b>
<b>List of Tables.....</b>	<b>vi</b>
<b>Abbreviations.....</b>	<b>vii</b>
<b>Chapter1: INTRODUCTION</b>	
1.1 OVERVIEW	1
1.2 INTRODUCTION TO EMBEDDED SYSTEMS	3
1.3 APPLICATIONS OF EMBEDDED SYSTEM	5
1.4 OBJECTIVE	6
<b>Chapter 2: LITERATURE STUDY</b>	8
<b>Chapter 3: METHODOLOGY</b>	14
3.1 BLOCK DIAGRAM	15
3.2 FUNCTIONS OF EACH BLOCK	15
<b>Chapter 4: HARDWARE AND SOFTWARE DESCRIPTION</b>	
4.1 HARDWARE SPECIFICATIONS	
4.1.1 NODEMCU	18
4.1.2 BREAD BOARD	22
4.1.3 DHT-11 SENSOR	24
4.1.4 SDS 011 SENSOR	26
4.1.5 GSM	28
4.1.6 GPS MODULE	31
4.2 SOFTWARE SPECIFICATIONS	
4.2.1 Arduino Software	35
4.2.2 CLOUD SERVER	38
4.2.3 DESIGN & CODE	44
<b>Chapter 5: RESULTS AND DISCUSSIO</b>	59
5.1 ESP8266	59
5.2 SDS011	60
5.3 GPS Sensor	60
5.4 DHT11 Sensor	
<b>Chapter 6: CONCLUSION AND FUTURE SCOPE</b>	
6.1 CONCLUSION	65
6.2 FUTURE SCOPE	66
<b>REFERENCES</b>	67