TABLE OF CONTENTS

Title		Page No.
CERTIFICA	ΓΕ	i
DECLARATION		ii
ACKNOWLEDGEMENT		iii
ABSTRACT		iv
TABLE OF CONTENTS		V
LIST OF FIGURES		vii
LIST OF TABLES		viii
Title		Page No.
Chapter 1		
INTRODUC	ΓΙΟΝ	
1.1 Overv	riew	1
1.1.1	Greenhouse Monitoring, Parameters	1
1.1.2	Internet of Things	1
1.1.3	Data Abstraction & Semantic Representation	3
1.1.4	Sensors Considered for the project	4
1.2 Motivation		5
1.3 Objective		6
1.4 Scope		6
1.5 Existing System		7
1.6 Proposed System		7
1.7 POs <i>A</i>	7	
Chapter 2		
LITERATURE SURVEY		9

Chapter 3

REQUIREMENT SPECIFICATION		
3.1 Functional Requirements		
3.2 Non-functional Requirements		
3.3 Hardware Requirements	16	
3.4 Software Requirements		
3.5 Other Requirements	18	
Chapter 4		
SYSTEM DESIGN		
4.1 High Level Design	19	
4.1.1 System Design	19	
4.2 Detailed Design		
4.2.1 Data Flow Diagrams	20	
Chapter 5		
IMPLEMENTATION		
5.1 Overview of Technologies	25	
5.2 Implementation Steps for Data Abstraction and Finding Correlation	27	
5.2.1 Sequence Diagram	27	
5.2.2 Functional Description of Module	29	
5.3 Implementation details of the Modules	30	
Chapter 6		
TESTING, EXPERIMENTAL ANALYSIS AND RESULTS		
6.1 Unit Testing	34	
6.2 Results and Discussion		
Chapter 7		
CONCLUSION		
References		

LIST OF FIGURES

Figure No.	Figure Title	Page No.
4.1	Architecture of the System	19
4.2	Data Flow Diagram level-0	21
4.3	Data Flow Diagram level-1	22
4.4	Data Flow Diagram level-2	23
5.1	Plate model Representation of LDA	25
5.2	Sequence Diagram	28
6.1	LDA results when all the parameters are kept norm	nal 36
6.2	LDA results with variable parameters1	36
6.3	LDA results with variable parameters2	36
6.4	LDA results with variable parameters3	37

LIST OF TABLES

Table No.	Table Title	Page No.
1.1	Sensors used in monitoring parameters of the greenhouse	5
5.1	Conditions Considered for the Parameters	31