

TABLE OF CONTENTS

CONTENTS	PAGE NO
Title Page	i
Certificate	ii
Acknowledgement	iii
Abstract	iv
List of Figures	viii-ix
CHAPTER 1 INTRODUCTION	1-5
1.1 Overview Of Gender Age And Emotion Recognition	1-2
1.2 Importance of Gender Age And Emotion Recognition	2
1.3 Role Of IT In Gender Age And Emotion Recognition	2
1.4 Problem Specification	3
1.5 Problem Statement	3
1.6 Applications	3-4
1.7 Objectives	4
1.8 Organization Of The Report	4-5
1.9 Summary	5
CHAPTER2 LITERATURE SURVEY	6-11
2.1 Existing System	6-10
2.2 Proposed System	10-11
CHAPTER 3 SYSTEM ANALYSIS & REQUIREMENTS	12-13
3.1 Functional Requirements	12
3.2 Non Functional Requirements	12
3.3 Hardware Requirements	12

3.4 Software Requirements	13
3.5 Challenges	13
3.6 Summary	13
CHAPTER 4 SOFTWARE APPROACH	14-15
4.1 About Spyder	14
4.2 About Python	14-15
4.3 About Tensor Flow	15
4.4 Ngrok	15
CHAPTER 5 SOFTWARE DESIGN	16-21
5.1 High Level Design Architecture	16
5.2 Data Flow Diagram	17
5.2.2 Age And Gender Emotion Model	17
5.3 Use Case Diagram	17-18
5.4 Sequence Diagram	18-19
5.5 Configuration Issues	19
5.6 System Architecture	20-21
5.7 Synopsis	21
CHAPTER 6 SYSTEM IMPLEMENTATION	22-25
6.1 Working Of Age Gender Prediction	22-23
6.2 Working Of Emotion Prediction	23-24
6.3 Working Of JavaScript Component	24

6.4 Implementation Of Flask's Web Application	25
CHAPTER 7 SYSTEM TESTING	26-27
7.1 Unit Testing	26
7.2 Advantages Of Unit Testing	26-27
7.3 Integration Testing	27
CHAPTER 8 RESULTS AND DISCUSSIONS	28-35
8.1 Results	28-35
8.3 Discussions	36
CHAPTER 9 CONCLUSION AND FUTURE WORK	37
REFERENCES	38-39