Table of Contents

**1. Introduction1**

1.1. Purpose of Study1

1.2. Problem Statement2

**2. Hardware and Software Requirements3**

**3. Project Design4**

3.1 Architecture4

3.2 Algorithm6

3.3 Data Model7

3.4 UI model8

**4. Programming Concept10**

4.1 API used in this project10

4.2 Important code snippets11

**5. Screen Shot of Outputs16**

**6. Conclusion18**

**References19**

**LIST OF FIGURES**

**Figure no** **Title** **Page no**

Fig 1 Architecture Diagram of this project 4

Fig 2 Firebase as a data warehouse and data process tool 8

Fig 3 The editor shows view C below A, but it has no vertical constraint 9

Fig 4 Welcome Activity 16

Fig 5 Start Up activity 16

Fig 6 Login Activity 16

Fig 7 Register Activity 16

Fig 8 Chats Fragment 16

Fig 9 Inflator menu 16

Fig 10 profile 17

Fig 11 Request fragment 17

Fig 12 Options for Request 17