**CONTENTS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ACKNOWLEDGEMENT ……………………………………………………………..** | | | | **i** |
| **ABSTRACT ……………………………………………………………..……………...** | | | | **ii** |
| **LIST OF FIGURES ……………………………………………………………………** | | | | **iv** |
| **ABBRIVIATIONS ……………………………………………………………………..** | | | | **v** |
| **1** | **INTRODUCTION …………………………………………………………………** | | | **1** |
|  | 1.1 | General Background …………………………………………………………. | | 1 |
|  | 1.2 | Project Objective ……………………………………………………………... | | 2 |
|  | 1.3 | Project Scope ………………………………………………………………… | | 2 |
|  | 1.4 | Organisation of Thesis ……………………………………………………….. | | 3 |
| **2** | **LITERATURE SURVEY …………………………………………………………** | | | **4** |
|  | 2.1 | Novel method for disease recognition  And cure time prediction based on symptoms ……………………………….. | | 4 |
|  | 2.2 | Prediction system for disease using naive Bayes …………………………….. | | 5 |
|  | 2.3 | A semantic feature space for disease prediction ……………………………... | | 6 |
|  | 2.4 | Disease prediction using hybrid K-means & Support Vector Machine ……… | | 6 |
| **3** | **METHODOLOGY ………………………………………………………………..** | | | **7** |
|  | 3.1 | Search doctor ………………………………………………………………… | | 7 |
|  | 3.2 | Online appointment …………………………………………………………... | | 7 |
|  | 3.3 | Collect feedback ……………………………………………………………... | | 7 |
|  | 3.4 | System design ………………………………………………………………... | | 7 |
|  |  | 3.4.1 | System architecture design …………………………………………... | 7 |
|  | 3.5 | Methods ……………………………………………………………………… | | 10 |
|  |  | 3.5.1 | Search hospital ……………………………………………………….. | 10 |
|  |  | 3.5.2 | Improvise application ………………………………………………... | 11 |
|  |  | 3.5.3 | SQLite database …………………………………………………….... | 11 |
|  | 3.6 | Use case diagrams ……………………………………………………………. | | 11 |
|  |  | 3.6.1 | Patient use case diagram ……………………………………………... | 11 |
|  |  | 3.6.2 | Doctor use case diagram ……………………………………………... | 12 |
|  |  | 3.6.3 | Guest use case diagram ………………………………………………. | 12 |
|  | 3.7 | Data flow diagrams …………………………………………………………... | | 13 |
|  |  | 3.7.1 | Patient data flow diagram ……………………………………………. | 13 |
|  |  | 3.7.2 | Doctor data flow diagram ……………………………………………. | 13 |
|  |  | 3.7.3 | Admin data flow diagram ……………………………………………. | 14 |
|  | 3.8 | System requirements …………………………………………………………. | | 14 |
|  |  | 3.8.1 | Hardware requirements ………………………………………………. | 14 |
|  |  | 3.8.2 | Software requirements ……………………………………………….. | 14 |
|  |  | 3.8.3 | Development requirements …………………………………………... | 21 |
| **4** | **RESULTS AND DISCUSSION …………………………………………………..** | | | **25** |
| **5** | **CONCLUSIONAND FUTURE WORK ………………………………………....** | | | **30** |
|  | **REFERENCES …………………………………………………………………….** | | | **31** |