CONTENTS

1. INTRODUCTION 1
2. SYSTEM ANALYSIS 3
   - 2.1 Existing System 4
   - 2.2 Proposed System 4
   - 2.3 Module Description 5
   - 2.4 Sprint 7
   - 2.5 User Stories 11
3. FEASIBILITY STUDY 13
   - 3.1 Economical Feasibility 14
   - 3.2 Technical Feasibility 14
   - 3.3 Operational Feasibility 14
   - 3.4 Software Feasibility 14
4. SOFTWARE ENGINEERING PARADIGM 15
   - 4.1 Agile Model 16
   - 4.2 Scrum 17
5. SYSTEM REQUIREMENT SPECIFICATIONS 18
   - 5.1 Software Requirements 19
   - 5.2 Hardware Requirements 19
6. SYSTEM DESIGN 20
   - 6.1 MongoDB 21
   - 6.2 Collections 21
   - 6.3 UML Design 23
   - 6.4 Use Case Diagram 24
   - 6.5 Scenario 27

6.6 Sequential Diagram 29
7. SYSTEM DEVELOPMENT 35
7.1 Coding 36
8. SYSTEM TESTING AND IMPLEMENTATION 40
8.1 Types of Testing 41
8.2 Implementation 43
9. SYSTEM MAINTENANCE 44
10. FUTURE ENHANCEMENT 46
11. CONCLUSION 48
12. APPENDIX 50
13. BIBLIOGRAPHY 77