

TABLE OF CONTENTS

	Page
Title Page	i
Approval Sheet	ii
Acknowledgement	iii
Abstract	iv
Table of Contents	v
List of Tables	vii
List of Figures	viii
 CHAPTER 1 – INTRODUCTION	
Background of the Study	1
Statement of the Problem	2
Objectives of the Study	3
Scope and Limitations	3
Significance of the Study	3
Operational Definition of Terms	4
 CHAPTER 2 – REVIEW OF RELATED LITERATURE AND SYSTEMS	
Related Literature	5
Related Systems	10
 CHAPTER 3 – MATERIALS AND METHODOLOGY	
Research Design	11
Project Environment	11
Locale	11
Population of the Study	11
Research Instruments	11
Timetable	12
Data Gathering Procedures	14
Methodology	
Requirements Specification	
Use Case Diagrams	15
Use Case Specification	18
Design	
Project Design	21
Output and User-Interface Design	25
Data Design	28
Development	
Software Specification	29
Hardware Specification	29
Deployment Diagram	30
Test Plan	31
Test Cases	31
Verification, Validation and Testing	

Unit Testing	38
Integration Testing	38
System Testing	38
CHAPTER 4 – RESULTS AND DISCUSSION	
Project Description	39
Project Structure	40
Project Capabilities and Limitations	43
Project Test Results	43
Test Case	44
Project Evaluation	
Implementation Results	51
CHAPTER 5 – CONCLUSIONS AND RECOMMENDATIONS	
Conclusions	53
Recommendations	53
References	
Appendices	
A. Letter of Permission	
B. Grammarian's Certificate	
C. Statistician's Certificate	
D. Expert's/Consultant's Certificate	
E. Survey Questionnaires	
F. Questionnaire Validation Sheet	
G. Research Forum Certificate	
H. Researchers' Profile	

List of Tables

Table No.	Name	Page
1	Gantt chart (September 2017- April 2018)	12
2	Client can create patient profile	16
3	Client can create login page	17
4	Client can generate health status	18
5	Client can create SOS contact details	19
6	Client Patient Table	27
7	Client Login Table	27
8	Health Status Table	27
9	Create SOS Contact Details Table	27
10	View Food Intake Table	27
11	View Medicine Intake Table	28
12	Software Specification	28
13	Hardware specification	28
14	Create Patient Profile	30
15	Login page	31
16	Edit Patient Profile	32
17	View Food Intake	33
18	Home	34
19	View Medicine Intake	35
20	Create Patient Profile	42
21	Login page	43
22	Edit Patient Profile	44
23	View Food Intake	45
24	Home	46
25	View Medicine Intake	47
26	Indicators	48

List of Figures

Figure No.	Name	Page
1	Blood Sugar Tracker Application	9
2	Beat Diabetes Application	10
3	mySugar Diabetes Logbook application	10
4	Use Case Diagram	12
5	Context Diagram	20
6	Data Flow Diagram	21
7	Entity Relationship Diagram	22
8	Login	24
9	Create Profile	24
10	Home Page	25
11	Health status	25
12	Diet Plan	26
13	SOS contact	26
14	Deployment Design	29
15	Register	38
16	Login	38
17	Home	39
18	Health status	39
19	Diet Plan (Food intake)	40
20	Diet Plan (Medicine intake)	40
21	SOS contact	41