

Contents

Project Synopsis.....	3
Title.....	3
Problem Statement.....	3
Why this Topic?	3
Objective and Scope.....	3
Methodology for developing project.....	3
Proposed Architecture	3
Requirements.....	4
Software Requirements	4
Hardware Requirements.....	4
Platform.....	4
Contribution	4
Conclusion	4
1.1 Background	5
1.2 Objective.....	5
1.3 Purpose.....	5
1.4 Application	5
1.5 Scope.....	5
1.6 Achievements.....	5
3.1 Problem Definition.....	4
3.1.1 Sub Problems	4
3.1.2 Problem Description.	5
3.2 Requirements Specification.....	5
3.2.1 Requirement analysis	5
3.2.2 Functional Requirements	8
3.2.3 Non-Functional Requirements	8
3.2.3 Sub- Systems.....	8
3.3 Planning & Scheduling (update)	10
3.3.1 Activity Table	10
Activities	10
Start-Date	10
End-Date	10
3.3.2 Gantt Chart	12
Activities	13
Start-Date	13
End-Date	13
Re-Engineering	13
.....	14

3.4	Hardware & software requirements	15
3.5.1	Hardware.....	15
3.5.2	Software	15
3.5	Conceptual Model	16
3.5.1	Data Model	16
3.5.2	Data-Flow Diagram	18
3.5.3	Class Diagram	21
3.5.4	Use-Case Diagram	23
3.5.5	Sequence Diagram	27
3.5.5	State Activity Diagram.....	33
3.5.6	Activity Diagram	34
4.	<i>System Design</i>	37
4.1	Interface Design	38
4.2	Test Cases.....	45
5.1	Implementation Approaches.....	51
5.2	Coding Details and Coding Efficiency	51
5.2.1	Efficency:	51
5.3	Testing Approach	55
5.3.1	Unit Testing.....	55
5.3.2	Integration Testing	64
5.3.3	Beta Testing	66
5.4	Modifications and Improvements	68
	68
	70
6.1	Test Reports	71
6.2	User Documentation	71
7.1	Conclusion.....	82
7.2	Limitations	83
7.3	Future Scope:	83
7.4	References.....	83
	Websites.....	83
	Reference books	84