Report Contents for MERN Projects

Table of Contents

Chapter No.		Page No.
1.	**Introduction**	**1**
1.1	Literature review /Survey	.
1.2	Challenges/Motivation	.
1.3	Objectives of the project	
1.4	Problem definition	
2.	**Proposed System**	.
2.1	Description of proposed system with simple block diagram	
2.2	Description of Target Users	
2.3	Advantages/applications of the proposed system	
2.4	Scope (Boundary of proposed system)	
3.	**Software Requirement Specification**	
3.1	Overview of SRS	
3.2	Requirement Specifications	
3.3.1	Functional Requirements	
3.3.2	Use case diagrams	
3.3.3	Use Case descriptions using scenarios, strictly as per Pressman Template	
3.3.3	Nonfunctional Requirements	
3.3.3.1	Performance requirements (if applicable)	
3.3.3.2	Safety requirements (if applicable)	
3.3.3.3	Security Requirements(if applicable)	
3.3.3.4	Usability	
3.3.3.5	Any other	
3.4	Software and Hardware requirement specifications	
3.5	GUI of proposed system (snap shots) navigation from Home screen to end results	
3.6	Acceptance test plan	

4 System Design

4.1 Architecture of the system (explanation)

4.1 Level 0 DFD (with brief explanation)

4.2 Detailed DFD for the proposed system

4.3 Class Diagram (with brief explanation)

4.4 Sequence diagram (with brief explanation)

4.5 ER diagram and schema (if applicable)

4.6 State transition diagram(if applicable)

4.7 Data structure used

5 Implementation

5.1 Proposed Methodology (Explain the methodology with diagram Algorithms explanation)

5.2 Modules
(Briefly describe modules
Modules descriptions
Module name ( )
Input :
Output :
Code or pseudocode)

6 Testing

6.1 Test plan and test cases (tested as per acceptance test plan)

7 Results & Discussions

(Discus the results and its interpretation.
Snap shots with brief explanation about the results

8 Conclusion and future scope

- Conclude the project by mentioning the features or services you have Implemented.
- In Future work explain how the use of your work can be enhanced

9 References/Bibliography

Report Contents for Machine Learning Projects

Chapter No.	Table of Contents	Page No.
1	**Introduction**	1
	1.1 Background and Motivation	.
	1.2 Problem Definition	.
	1.3 Objectives of the Project	.
	1.4 Literature Review / Survey	.
2	**Proposed System**	.
	2.1 Overview of the Proposed System	.
	2.2 System Architecture with Block Diagram	.
	2.3 Description of Target Users	.
	2.4 Advantages and Applications of the System	.
	2.5 Scope and Limitations	.
3	**Software Requirement Specification**	.
	3.1 Overview of SRS	.
	3.2 Requirement Specifications	.
	- 3.2.1 Functional Requirements	.
	- 3.2.2 Use Case Diagrams	.
	- 3.2.3 Use Case Descriptions using Scenarios	.
	- 3.2.4 Nonfunctional Requirements	.
	-- 3.2.4.1 Performance Requirements	.
	-- 3.2.4.2 Safety Requirements	.
	-- 3.2.4.3 Security Requirements	.
	-- 3.2.4.4 Usability	.
	-- 3.2.4.5 Other Constraints	.
	3.3 Software and Hardware Requirements	.
	3.4 GUI Design and Navigation Flow	.
	3.5 Acceptance Test Plan	.
4	**System Design(include only applicable ones)**	.
	4.1 System Architecture (Detailed Explanation)	.
	4.2 Data Flow Diagram (DFD Level 0, 1, and 2)	.
	4.3 Class Diagram with Explanation	.
	4.4 Sequence Diagram with Explanation	.
	4.5 Entity-Relationship (ER) Diagram and Schema	.
	4.6 State Transition Diagram	.
	4.7 Data Structures Used	.
5	**Implementation**	.
	5.1 Machine Learning Methodology	.

Chapter No.	Table of Contents	Page No.
	5.2 Dataset Description and Preprocessing	.
	5.3 Methodology	.
	5.4 Algorithms Used (Detailed Explanation with Diagrams)	.
	5.5 Modules and Their Descriptions	.
	- Module Name: ()	.
	- Input:	.
	- Output:	.
	- Code / Pseudocode	.
6	**Training and Evaluation**	.
	6.1 Model Training Process	.
	6.2 Hyperparameter Tuning	.
	6.3 Performance Metrics (Accuracy, Precision, Recall, F1-score, etc.)	.
	6.4 Model Validation and Testing	.
	6.5 Confusion Matrix and Error Analysis	.
	6.6 Deployment	
7	**Results & Discussions**	.
	Interpretation of Results	.
	Performance Comparisons	.
	Snapshots of Outputs with Explanation	.
8	**Conclusion and Future Scope**	.
	Summary of Findings	.
	Limitations of the Project	.
	Future Enhancements and Applications	.
9	**References / Bibliography**	.

Note :

- Contents are not only limited to these headings, with your Guide permission you can add other relevant contents as per your problem definition
- This is sample template you can add any relevant heading if needed.
- In design section use appropriate design technique.
- Main Headings-16 Times New Roman
- Sub Headings -14 Times New Roman
- Inner Content-12Times New Roman
- Spacing -1.5
- The image should have the image name in Times New Roman of 10 and should have a figure number.
- The table should have a table name in Times New Roman of 10
- Every page should have a Header and Footer. The project name should be at the top right(header), the page number at the bottom right (footer), and the department of BCA at the bottom left (header).