**INDEX**

1. INTRODUCTION
   1. Description

The main functionality of the project should be explained in brief

* 1. Problem Formulation

***(Explain the problem)***

* 1. Motivation

(***(need of the project)***: List the various approaches along with its drawbacks for solving the problem and briefly explain the approach used for your project.)

* 1. Proposed Solution

(Explain the method/technique used for solving the problem and how it overcomes the drawbacks mentioned under heading 1.3. Also explain how the project is going to help end users.)

* 1. Scope of the project

(***(scale/range of your project)*:** Extent of how far your project can be completed. This can be in terms of domain or application related constraints/limitations.)

1. REVIEW OF LITERATURE

***(include at least 3IEEE or similar reputed technical papers as reference*)** Should be atleast 2 pages which gives the ideas referenced by the reference papers. Mark the references wherever appropriate. (Note: - Please don’t write the paper titles and the abstract of papers.)

1. SYSTEM ANALYSIS
   1. Functional Requirements

***( write requirements of the project)*** Should follow the IEEE SRS format

* 1. Non-Functional Requirements

Should follow the IEEE SRS format

* 1. Specific Requirements

***(Hardware and software requirements)***

* 1. Use-Case Diagrams and description

***(Application development projects use-case is mandatory)***

1. ANALYSIS MODELING
   1. Data Modeling

***(E-R Model if any with its associated Data dictionary****)* Applicable for those applications which are dependent on data storage and retrieval. ER Diagram normalized till the third normal form accompanied by the respective data dictionary table should be included

* 1. Activity Diagrams / Class Diagrams

Depending on the type of your project you may include any of the diagrams**.**

* 1. Functional Modeling (DFDs *with specifications)* *mandatory for all projects*
  2. TimeLine Chart *(For the entire year)*

1. DESIGN
   1. Architectural Design (*Project Flow /architecture* *with description)*
   2. User Interface Design
2. IMPLEMENTATION
   1. Algorithms / Methods Used

Mention your algorithms if any or any methodology used.

* 1. Working of the project *(code for mentioned algorithms)*

1. TESTING

***(white box /black-box / any testing algorithm used)***

* 1. Test cases *(conditions on which testing is done)*
  2. Type of Testing used *(explanation and reason of testing method used)*

1. RESULTS AND DISCUSSIONS (***(final results or outputs)***)
2. CONCLUSIONS & FUTURE SCOPE
3. REFERENCES / BIBLIOGRAPHY