A WEB PLATFORM FOR ANALYZING AND SOLVING THE PROBLEMS IN THE SOCIETY

## A PROJECT REPORT

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# BONAFIDE CERTIFICATE

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# ABSTRACT

This project involves the development of a web application that enables users in a nation to provide feedback and solutions to societal problems. The web application allows administrators to post new schemes and problems, which users can then provide feedback on and offer their own solutions. The feedback data is then analyzed using data analysis techniques, and machine learning algorithms are used to generate solutions that are in line with the expectations of the users.

The project focuses on improving the user experience by creating an easy-to-use web application that includes features such as login and registration, problem and solution posting, and viewing existing problems and solutions. Additionally, features such as notifications and a rating system are included to keep users informed about the progress of problems and solutions.

The project also addresses ethical concerns regarding the use of machine learning algorithms to generate solutions by ensuring transparency in the process. Overall, the project aims to facilitate communication between users and the government, and provide a platform for generating solutions to societal problems.

**TABLE OF CONTENTS**

**CHAPTER NO TITLE PAGE. NO**

|  |  |
| --- | --- |
| **ABSTRACT** | **iv** |
| **TABLE OF CONTENT** | **v** |
| **LIST OF FIGURES** | **vii** |
| **LIST OF ABBREVIATIONS** | **viii** |
| **1. INTRODUCTION** | **1** |
| 1.1 Overview | 1 |
| 1.2 Aim And Objectives | 1 |
| 1.3 Problem Definition | 2 |
| 1.4 Project Report Layout | 2 |
| **2. LITERATURE SURVEY** | **3** |
| **3. SYSTEM ANALYSIS** | **6** |
| 3.1 Existing System | 6 |
| 3.2 Proposed System | 6 |
| **4. REQUIREMENT ANALYSIS** | **7** |
| 4.1 System Requirements | 7 |
| 4.2 Feasibility Study | 9 |
| 4.3 Technical feasibility | 10 |
| 4.4 Non Functional Requirement | 11 |
| 4.5 Summary | 12 |
| **5. SOFTWARE DESIGN** | **14** |
| 5.1 Physical Design | 14 |
| **6. SYSTEM IMPLEMENTATION** | **18** |
| 6.1 System Implementation Maintenance and Review | 18 |
| 6.2Hardware Evaluation Factors | 18 |
| 6.3Software Evaluation Factors | 19 |

1. TEST PROCEDURE AND TEST CASES 20
   1. [Test Procedure 20](#_TOC_250001)
   2. [Test Cases 21](#_TOC_250000)
2. CONCLUSION AND FUTURE SCOPE 22
3. SCREENSHOTS 24
4. REFERENCES 31

# LIST OF FIGURES

## FIGURE NO FIGURE NAME PAGE NO

* 1. User Case Diagram 15
  2. Activity Diagram 16
  3. Communication Diagram 17

9 Screenshots 24

# LIST OF ABBREVIATIONS

|  |  |
| --- | --- |
| HTML | Hypertext Markup Language |
| CSS | Cascading Style Sheets |
| PYC | Python Compiled File |
| API | Application Programming Interfaces |
| UML | Unified Modelling Language |
| UI | User Interface |
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**Chapter – 1**

**Introduction**

**1.1 OVERVIEW**

The purpose of this project is to develop a web application that allows administrators to post various schemes and problems, and citizens to provide feedback and solutions to these problems. The application is designed to facilitate communication between citizens and administrators, and enable the generation of solutions based on user feedback.

The web application has been developed using various technologies, including HTML, CSS, Bootstrap 5, Django, and dbSQLite3. These technologies have been used to create a user-friendly interface and ensure seamless functionality across different devices and platforms.

The application features a home page that provides users with access to different pages, including a problem statement page that lists various problems and allows users to post their own problems and solutions. The application also allows users to view other people's problems and solutions, and administrators can easily access and analyze user feedback using the data analysis and machine learning techniques implemented in the application.

The project report describes the design and implementation of the web application, including the various features and functionality of the application. The report also discusses the various techniques used for data analysis and machine learning, and how they have been implemented in the application.

Overall, this web application has the potential to facilitate communication between citizens and administrators, and help to solve real-world problems in society. The application's user-friendly interface, coupled with its data analysis and machine learning capabilities, makes it an effective tool for generating solutions based on user feedback. The report provides an in-depth analysis of the web application's design and functionality, and its potential impact on society.