

1. Synopsis

- 1.1.**Project Overview:** A brief introduction to the project, its objectives, and the purpose of the web application.
- 1.2.**Scope:** Define the boundaries of the project—what features or functionalities are included and what is excluded.
- 1.3.**Target Audience:** Who will use this application? (e.g., students, Teachers, etc.)
- 1.4.**Technologies Used:** List the programming languages, frameworks, tools, and libraries used for the project (e.g., HTML, CSS, JavaScript, React, etc.).

2. Requirements

- 2.1.**Functional Requirements:** The features the web application must have, such as login functionality, user registration, dashboard, etc.
- 2.2.**Non-Functional Requirements:** Aspects like performance, security, usability, scalability, and reliability.
- 2.3.**System Requirements:** Hardware and software prerequisites for running the application (e.g., required browser versions, operating systems, etc.).
- 2.4.**Third-Party Tools/Libraries:** Any external libraries or tools integrated into the application, such as APIs or frameworks.

3. System Design

- 3.1.**Database Design:** If applicable, describe the database structure, schema, and relationships between tables.
- 3.2.**User Interface Design:** Description of the layout, design elements, and the overall user experience (UX).

4. Implementation

- 4.1.**Detailed Steps:** Step-by-step explanation of how the application was developed. Include any key challenges faced and how they were overcome.
- 4.2.**Code Snippets:** Highlight important sections of the code, such as key functions, or components, with brief explanations of what they do.
- 4.3.**Testing:** Describe the testing process used to ensure the application works correctly, including unit testing, integration testing, and user acceptance testing (UAT).

5. Results and Discussion

- 5.1.**Functionality**: Discuss how well the application meets the functional requirements.
- 5.2.**Usability**: Describe how easy the application is to use and how it provides a positive user experience.
- 5.3.**Limitations**: Any known issues or limitations in the application that could not be addressed within the scope of the project.
- 5.4.**Future Work**: Suggest possible improvements or future features that could enhance the application.

6. Screenshots

Provide screenshots of the web application showing different sections or features of the application (e.g., login page, dashboard, etc.). Each screenshot should be accompanied by a brief description of what is shown.

7. References

List all references used during the project, including books, articles, websites, and any code or resources used from online repositories (e.g., GitHub).