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Project Tracker

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Abstract: *A digital application called a project management platform aids teams in planning and monitoring their projects, tasks, and resources. It has features like project planning, task delegation, tracking and reporting, and collaboration tools to make teamwork easier. Large-scale projects need effective management and technical assistance to be successful. Organizing and managing team projects online with a project management software creates a virtual meeting room for team members, project managers, and clients. It provides a selection of strong features and tools that are intended to make project planning, execution, and monitoring easier. Employing such a platform enables businesses to improve productivity, boost project success rates, and ultimately accomplish their objectives more quickly.*

Keywords: Task Assignment, tracking, Status update, Progress Bar, Communication and Collaborations

I. INTRODUCTION

The success of a project depends on competent project management in the fast-paced and dynamic workplace of today. Organizations rely on project management tools to improve collaboration, streamline project procedures, and monitor progress. With the use of these platforms, teams can quickly organize and manage their projects, resulting in effective work allocation, communication, and tracking[1].

Organizing and managing team projects online with a project management software creates a virtual meeting room for team members, project managers, and clients. It provides a selection of strong features and tools that are intended to make project planning, execution, and monitoring easier. Using such a platform, businesses can improve productivity, raise project success rates, and ultimately accomplish their objectives more quickly.

II. METHODOLOGY

Project management system as software that has the ability to help strategies, organize, and manage resourse streams and develop resource approximation. Depending on the complexity of the softThe process of compiling and analysing data, identifying issues, and using the results to suggest system improvements is known as system requirement. System user and system developer must have frequent communication to solve problems related to systems. System analysis involves studying and analysing a system in great detail. The system analyst assumes the role of an interrogator and probes deeply into how the current system functions. In order to meet the needs and expectations of stakeholders, project management is described as the application of knowledge, skills, tools, and strategies to project activities.[4]. ware, resource breakdown structures resource availability, resource rates and various resource calendars can be defined to assist in optimizing resource utilization Project in general refers to a new endeavour with specific objective and varies so widely that it is very difficult to precisely define it. [5] Project management is a distinct area of management that helps in handling projects. It has three key features to distinguish it from other forms of management and they include: a project manager, the project team and the project management system. The project management system comprises organization structure, information processing and decision making and the procedures that facilitate integration of horizontal and vertical elements.

III. EXISTING AND PROPOSED SYSTEMS

A) Existing Systems

The software used to organize and monitor team projects is now functional but has certain limitations. It offers fundamental project management features like task delegation and progress monitoring but is deficient in sophisticated

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team communication and reporting tools. Users experience inefficiency and annoyance due to the antiquated and challenging to use interface. Additionally, it is challenging to manage projects across several platforms because the existing system does not interact with other tools or platforms[2].

B) Limitations of Existing Systems

- It has limited in its capabilities
- It lacks advanced collaboration tools and reporting capabilities
- This interface is outdated and difficulty to navigate
- Leading inefficiency
- Frustration for users
- Does not integrate with other tools and platform

C) Proposed System

The proposed improved version of the platform will be designed with a focus on user experience and functionality. Advanced collaboration tools and reporting capabilities will be implemented to increase the efficiency and effectiveness of project management. The user-friendly interface will be designed to be intuitive and easy to navigate, reducing frustration for users. The improved platform will also include integrations with other tools and platforms, allowing for seamless project management across multiple platforms. These features will help to increase the overall success of team projects and make project management more efficient and effective.

D) Advantages of Proposed System

- It focus on user experience and functionality
- Implementation of advanced collaboration tools reporting capabilities
- The user friendly interface will be designed to be intuitive and easy navigate
- Reducing frustration for users
- Allowing for seamless project management across multiple platform

IV. BACKGROUND

Python

Python is a general-purpose, interpreted programming language. Python was developed by Guido van Rossum and originally made available in 1991. Its design philosophy places a strong emphasis on code readability through the usage of substantial amounts of whitespace. Its language constructs and object-oriented methodology are designed to aid programmers in creating clean, comprehensible code for both little and big projects.Python uses garbage collection and has dynamic typing. Numerous programming paradigms, such as procedural, object-oriented, and functional programming, are supported. Due to its extensive standard library, Python is frequently referred to as a "batteries included" language. Python 2.0, which included a cycle-detecting garbage collector and support for Unicode, was released on October 16th, 2000.

SQLite3

SQLite is a popular lightweight relational database management system that is used to store and manage data in web applications. SQLite is known for its simplicity, reliability, and ease of use, making it an excellent choice for small to medium-sized web applications.

Django

Django is a high-level web framework for Python that is used to build web applications. Django is known for its "batteries included" philosophy, which means that it comes with many built-in features and tools, allowing developers to focus on building the application logic rather than configuring the framework.

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V. RESULTS AND DISCUSSIONS

SCREENSHOTS

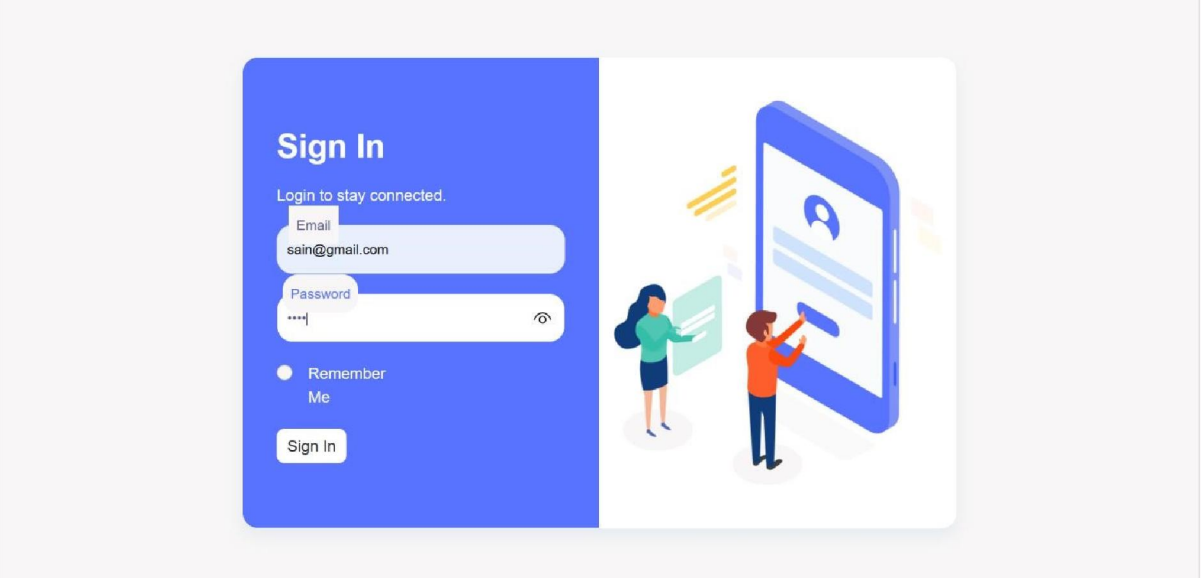

Figure 1: Login page

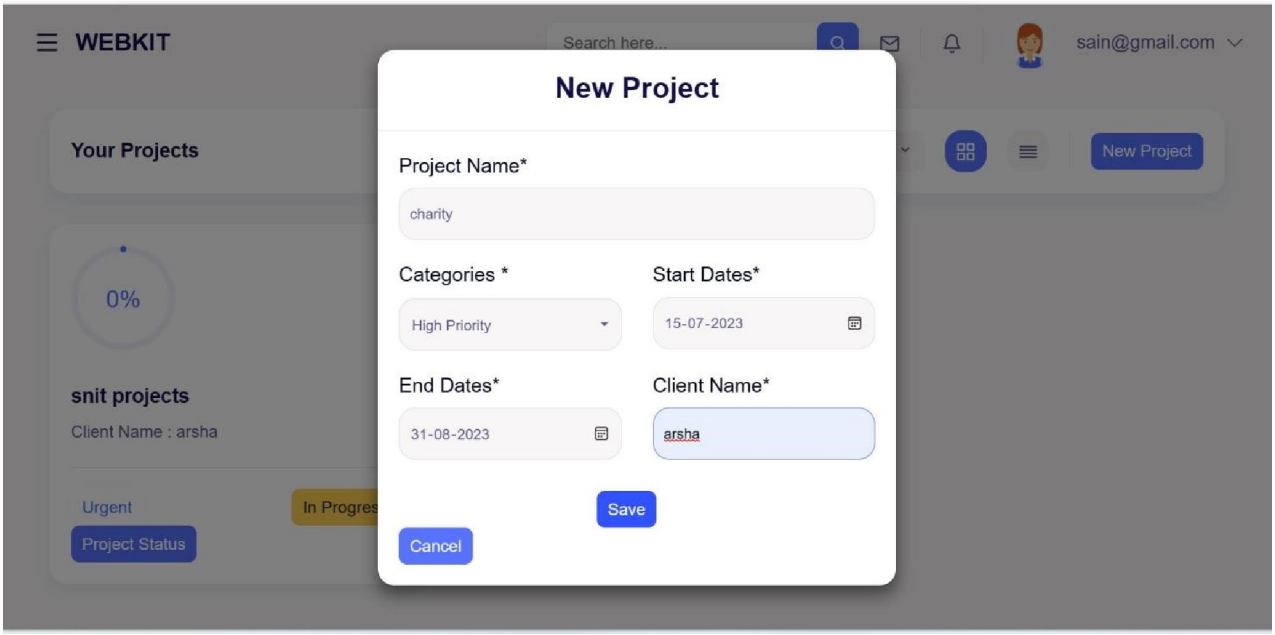

Figure 2: Task assingment

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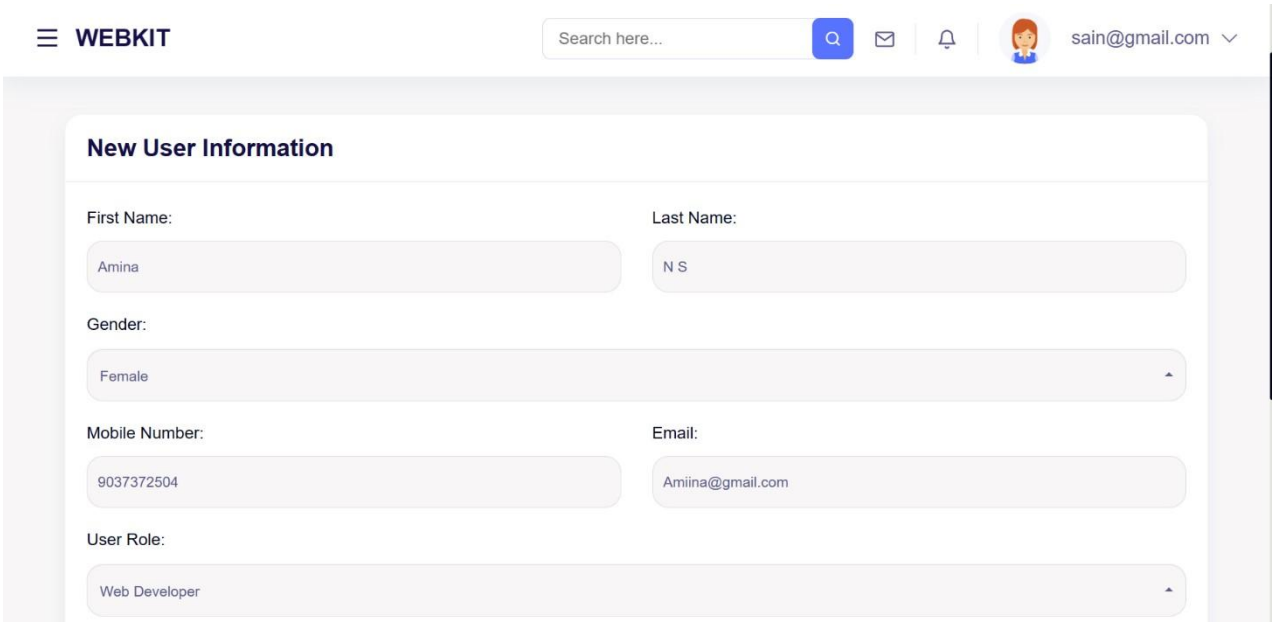

Figure 3:Add User

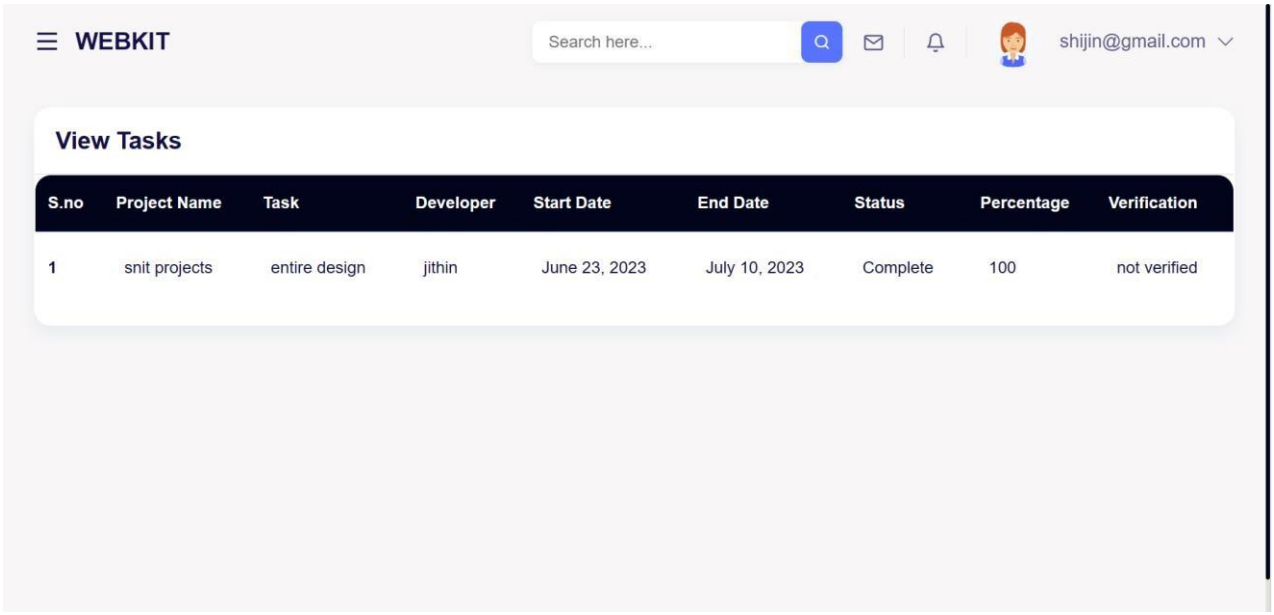

Figure 4: View task

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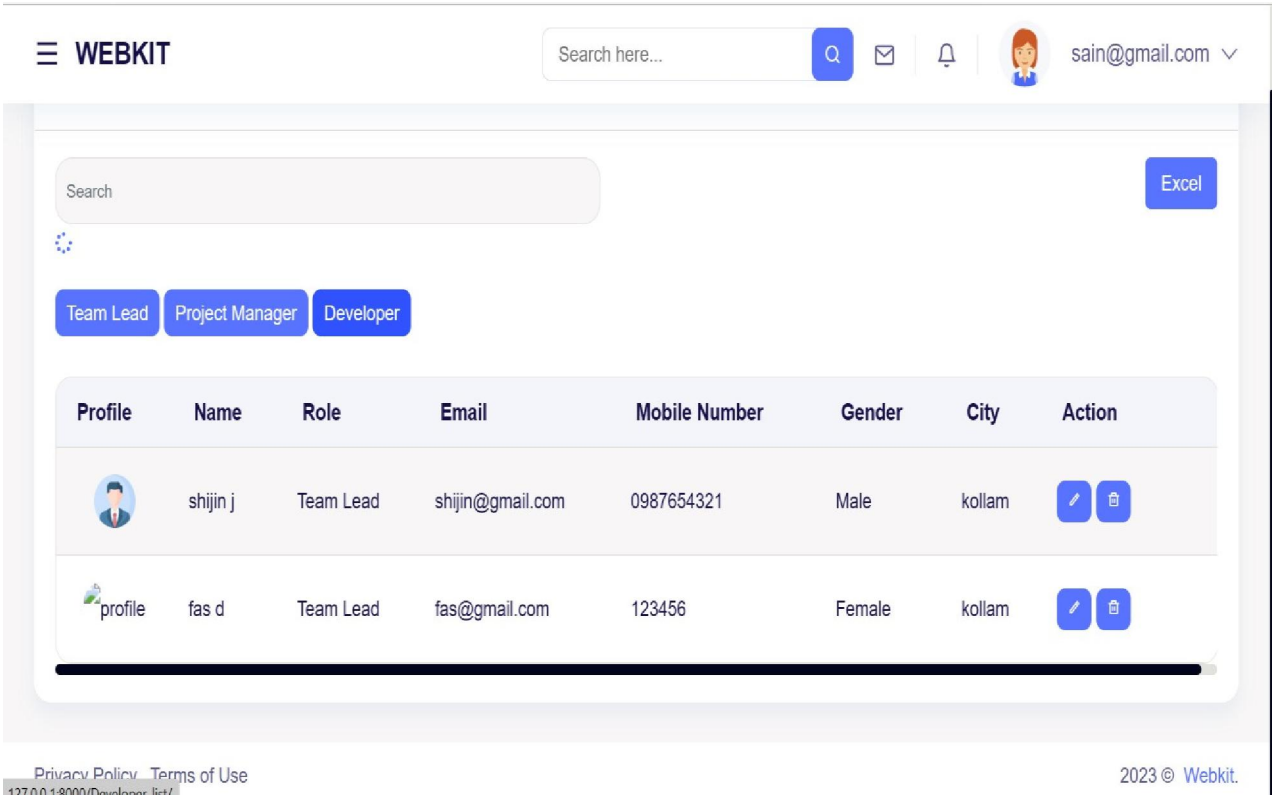

Figure 5: View members

VI. CONCLUSION

By this project we provide various facilities likes efficient communication between the team leaders and members in an organisation this make good interaction and increasing performance the platform will be designed with a focus on user experience and functionality. Advanced collaboration tools and reporting capabilities will be implemented to increase the efficiency and effectiveness of project management. The user-friendly interface will be designed to be intuitive and easy to navigate, reducing frustration for users. The improved platform will also include integrations with other tools and platforms, allowing for seamless project management across multiple platforms. These features will help to increase the overall success of team projects and make project management more efficient and effective.

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