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Online Project Progress System

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Abstract: The Online Project Progress System aims to streamline the process of project submission and evaluation, enabling students to submit project proposals, abstracts, and progress updates online. This eliminates the need for physical meetings with the head of the department (HOD), thereby reducing time and effort for both students and faculty. HODs and project supervisors can review, provide feedback, and approve submissions directly through the platform. Weekly project updates can also be tracked, ensuring transparency and better monitoring of student progress. This system caters to students in engineering, MSc, M.Tech, and other disciplines.

Keywords*:* User-Friendly Systems, Educational Institutions

I. INTRODUCTION

The purpose of final year projects is to provide students an opportunity to apply the knowledge they have learnt, their intellectual abilities and practical skills to solving real, or close to real life engineering problems. These problems may take the form of an investigation or the development of engineering hardware, software or both. In this Online Project Progress System project, we will focus mainly on automating the process of project submission. In the sense project topics will be submitted online along with doc and approval will be provided online by the head of the department along with suggestions if any. This will reduce the physical efforts of students meeting the head of the department and also reduce the time frame period of completing this part of project work. Students can also update their project status weekly and provide in for regarding the progress, which will be monitored by all relevant professors and head of departments.

II. RATIONALE

An online project progress system helps track and manage project tasks efficiently by providing real-time updates, making sure everyone is on the same page. It improves communication by allowing team members to share updates and feedback quickly, without the need for constant meetings. The system promotes collaboration by centralizing tasks, files, and feedback in one place. It helps keep the project on schedule by tracking deadlines and milestones, while also identifying issues early so they can be addressed quickly

III. OBJECTIVES

In this Online Project Progress System project, we will focus mainly on automating the process of project submission. In the sense project topics will be submitted online along with doc and approval will be provided online by the head of the department along with suggestions if any. This will reduce the physical efforts of students meeting the head of the department and also reduce the time frame period of completing this part of project work. Students can also update their project status weekly and provide in for regarding the progress, which will be monitored by all relevant professors and head of departments. It will be useful for all students related to Engineering, MSc, M.Tech, final year students of any grad etc.

IV. SCOPE

In today's life, Computer has developed a lot. It has made many things possible which are supposed to be impossible in the past. The reason to develop the software "ONLINE PROJECT PROGRESS SYSTEM" is to adopt the benefits of computer. The computerization of the system wills fastens the working skill of employers. They will able to do much more work than manual working system. The valuable data is easily portable we can easily transfer it from one place to another by e-mails. It takes only a few second instead of two and three days.

V. LITERATURE REVIEV

The Online Project Progress System is developed with the aim to make it as a standard system that can be used in the Final Year Project (FYP) course for all campuses offering Diploma. The main focus of this article is to introduce the system designed, which was developed as a medium of interaction between lecturer, students and course coordinator in managing the FYP process especially in the stage of project's proposal preparation. Two main elements applied are project evaluation and weekly report monitoring. In existing system, all hardcopy of the FYP1 related documents such as project approval form, evaluation form, as well as the project progress validation form should be submitted to the course coordinator. This practice sometimes will cause unexpected problems such as loss of forms, lack of documentation storage space, delay of submission of forms and so on. This makes it difficult for the course coordinators to effectively manage the documentation especially if it involves hundreds of students at one time.

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VI. NEED OF WORK

In general, the Project & Title will be selected from various sources and send it to the HOD like the Project Title along with a birds-eye view of the Project in a document called Project Abstract. The HOD will accept the Project and allows the student to proceed and start working on the Project.

In the middle of the Project designing, the HOD also makes a request to the Student to send the Sample Code of any module as well. And at the final, the Student has to prepare the necessary Documents like Project Final Document (contains Introduction, Modules, User roles, SDLC methodology, etc.), UML Diagrams, Power point Presentation (PPT) of the Project flow for Demo and also takes the Database (as backup file to restore), Source Code and all the content in a Compact Disk (CD) and submits to the HOD along with printed hard copy. The HOD will review all these documents and finishes the Project Review and enters the Marks into the College records.

VII. PROBLEM STATEMENT

The traditional way of allocating project to students in our higher institution need to be reconsidered since project/research writing is sensitive aspect of student education in the higher institution. Before now, lecturers ask students to go out and get project topics for themselves for approval.
This system made project writing look less like a class assignment which does not require an extra effort to complete rather an issue of copying.

VIII. PROPOSED METHODOLOGY

In this Online Project Progress System project, we will focus mainly on automating the process of project submission. In the sense project topics will be submitted online along with doc and approval will be provided online by the head of the department along with suggestions.

Admin panel:
1. Provide user/password to each member
2. Create new user, changing request.
3. Can send notification to all members.
4. Create different types of roles and granting permission.

Head of Department panel:
1. Can see project details
2. Approve project according to requirement
3. Comment and feedback.

Project in-charge:
1. Can see project details
2. Approve project according to requirement
3. Comment and feedback

Internal guide:
1. Can see project details
2. Approve project according to requirement
3. Comment and feedback

Student Panel:
1. Can change own profile details and user/password given by admin
2. Upload any number of project abstract, synopsis, report and software code
3. Can see project approval stage
4. Can see notification on mail after successful approval of project.

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IX. SYSTEM ARCHITECTURE

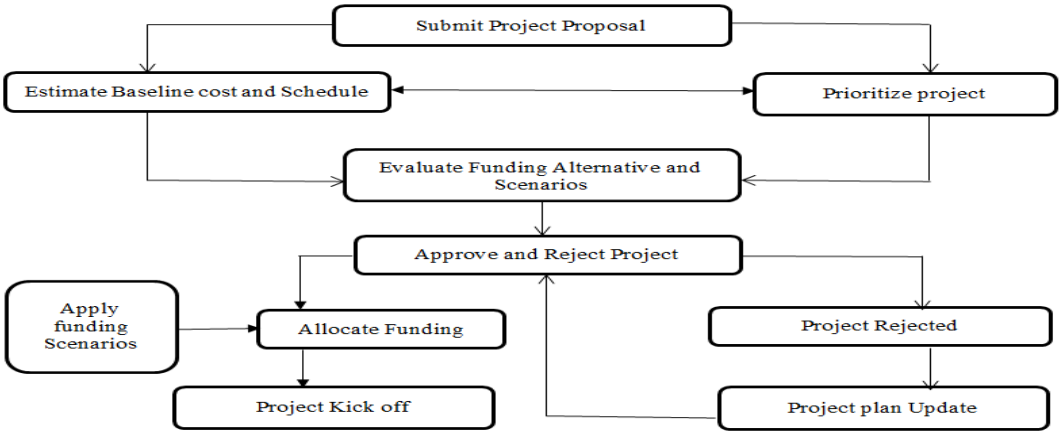

Fig.1- Architecture Design

X. DESIGN METHODOLOGY

E- R Diagram:

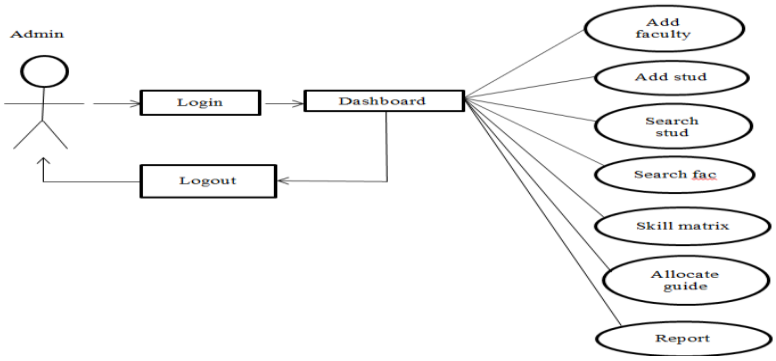

Fig.2- E-R Diagram

XI. MODULE DESDCRIPTION

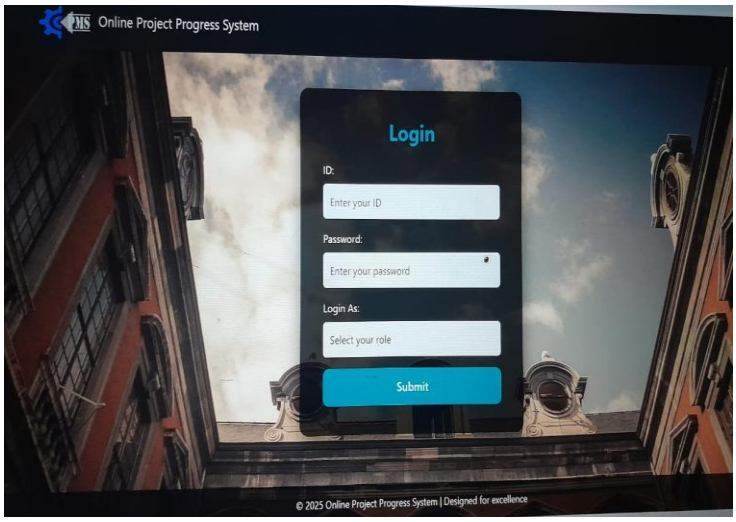

Fig. 3-Main page

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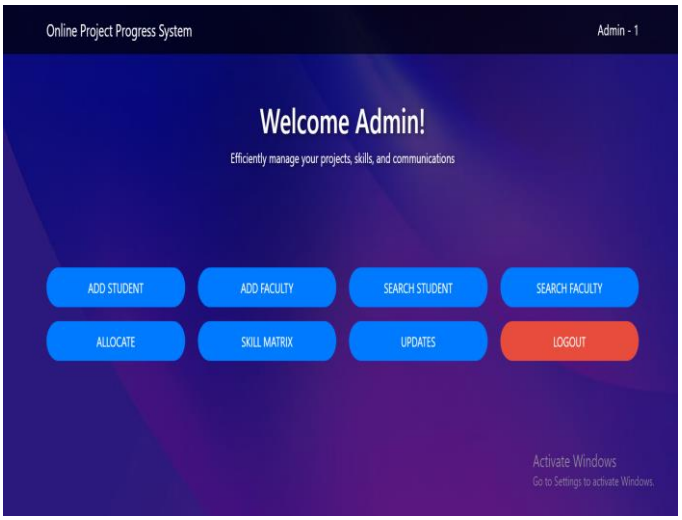

Fig . 4 – Admin Dashboard

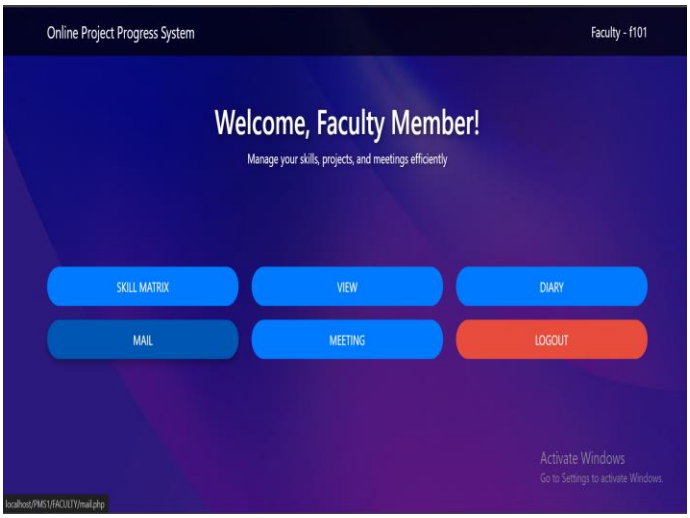

fig. 5-Faculty Dashboard

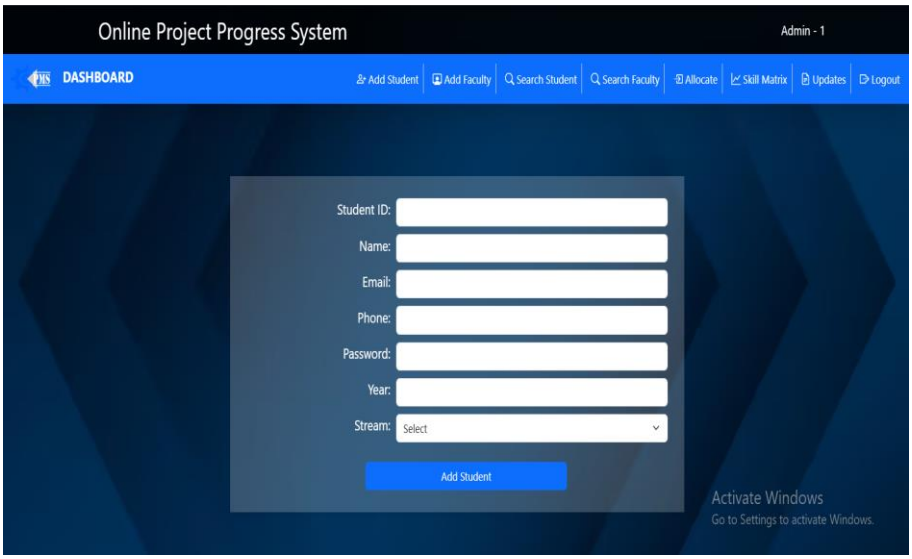

Fig.6- Add Student

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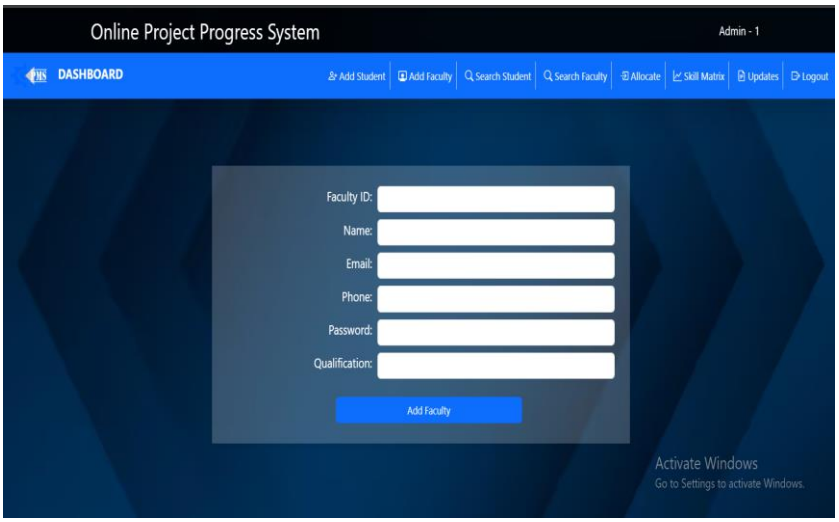

Fig. 7-Add Faculty

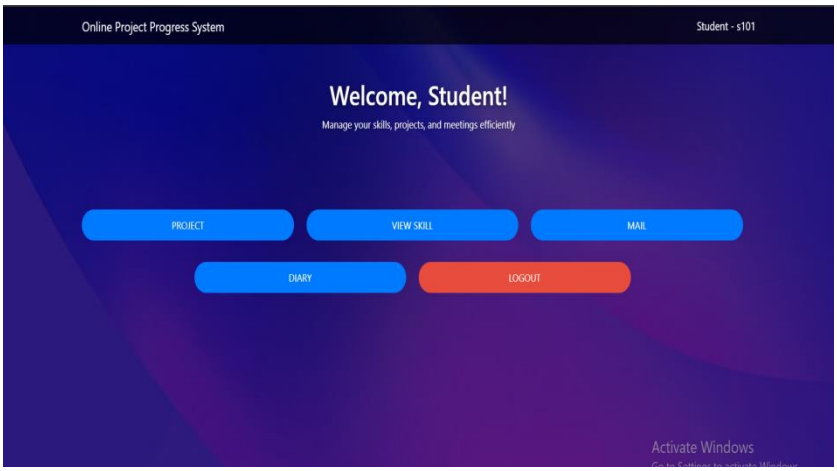

Fig. 8-Student Dashboard

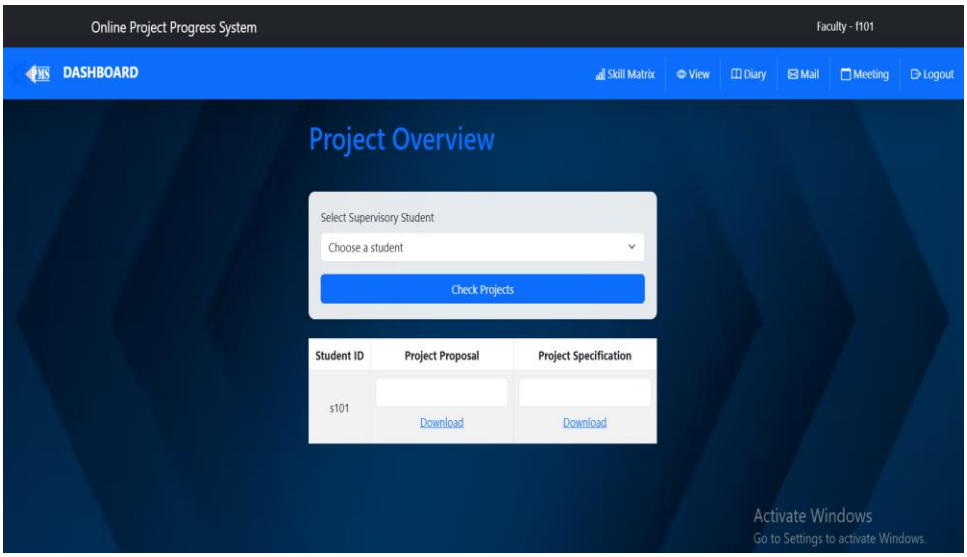

Fig. 9-Project Overview

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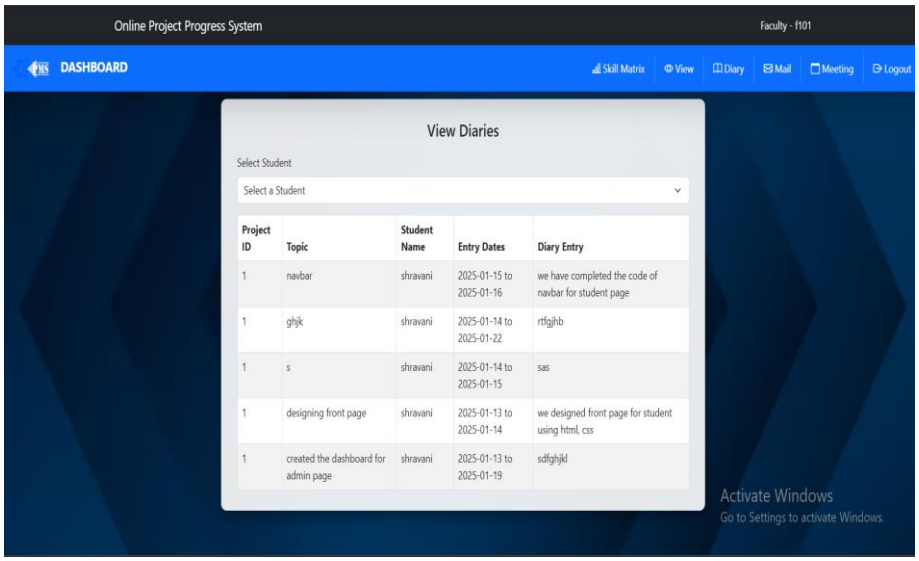

Fig. 10-Project Diary

XII. IMPLEMENTATION DETAILS

11.1 Hardware Requirements

- Processor : Intel(R) Core(TM) i5
- Speed : 2.6 GHz
- RAM : 16 GB
- SSD: 512GB
- Monitor: Dell

11.2 Software Requirements

- Operating System : Windows 10 Enterprise
- Front End : HTML, CSS, javascript.
- Back End : MySQL
- Other: Microsoft Word

XIII. CONCLUSION

Our project is only a humble venture to satisfy the needs in a school to manage their project work. Several user friendly coding have also adopted. This package shall prove to be a powerful package in satisfying all the requirements of the school. The objective of software planning is to provide a frame work that enables the manager to make reasonable estimates made within a limited time frame at the beginning of the software project and should be update.

XIV. FUTURE SCOPE

- We can plan mailing module which will allow the student to send email to HOD with attachment.
- View/ send/reply email options will be provided. It can be done in the form of the message center. Registration process can be refined by adding email alerts whenever HOD approves registration.
- Alerts or notification module can be added separately which will show notification icon and which when clicked will open the related info for which notification was received.

XVII. REFERENCES

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