



## PROJECT AUTOMATION SYSTEM

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### Abstract

Project automation is a web-based application to cater the project requirements of various users (students, faculties and hod's) of college. The major users of it are Students and faculties by this we can track the student project status. Using Project automation system student can view the projects done by all the year students of the department, It solves the problem of searching for project details in the form of hard copies. Every authorized authority can view the details of student(s) projects. The purpose of Project automation System is to reduce the time for accessing the information of projects by students. By this students can view their projects and other batch projects and the work progress of each project. That includes various projects assigned to students and the students working o each project. This software system allows for easy project management and tracking activities in those projects. An administrator has the overall control of this system Allocate start and completion dates for those projects, allocate people to work on those projects and that track the project progress.

### I.INTRODUCTION

Colleges, Universities or any Educational Institutes conduct projects for the better understanding of the practical approach towards the subject in the real world. And the project involves a lot of tasks like abstract or synopsis evaluation, thesis correction and updating the proposed module with your guides.

Previously project tasks are done with no synchronization and in the traditional manner which consumes a lot of time and efforts. And also the data related to project has no place to store at one place. Also project tasks consist of Group formation, Project topic allotment, Guide allotment, Marks distribution etc. Moreover, project tasks involve mutual interaction between student and guide. There are a number of problems with traditional approaches to the submission and management of student assessment, especially in a distance education setting. Student Project Analysis and Management automate all of these tasks. Indeed, students are often unaware of previous year project topics and end up choosing the same topics. Hence in this system we can also review the record of previous year project topics. It will help the students as well as their guides to evaluate the report of the projects from anywhere,

anytime. This system will help the students to upload the documentation related to the project task so that one uploads it from anywhere. Also the students as well as guides will be notified about each and every task which is being assigned.

Thus this will help to maintain the completer record of the project documentation in an organized platform. Thus this Student Project Analysis and Management System will be able to cater for a wide range of requirements either for students or for professors at educational institutes.

### II.RELEATED WORK

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.

Up to now there is no extendible software availability for this process. The existing system of the Student Project Management is run manually by entering data in books and keeping track of all the data in the books. Adding, searching is quite difficult if it is in the form of long books. So this software is well required for the Student project management Information System.

### III. PROBLEM STATEMENT

- It maintains the students project details manually.
- The entire database is maintained manually which is rather tedious and error prone.
- Time delay is more because the professor has to go through many records to see his student's performance etc.

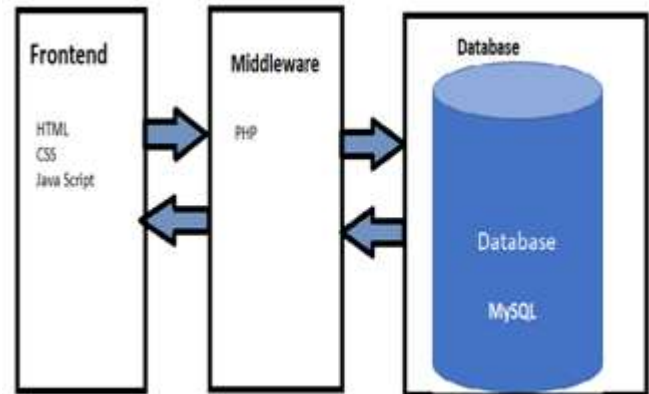
### IV. PROPOSED WORK

In today's era, Project Management is not an easy activity. Collaboration of Project Guide and group members are often a tedious affair. And to effectively manage the history of previous projects a well-designed system is needed. There are many traditional Activities such as group allotment, project allotment, guide allotment, marks distribution etc. All these work consume lots of manual time. There are some issues occur during project management like project ambiguity. Hence to eliminate these issues and to minimize the manual paper work and time.

#### 4.1 Advantages of proposed system

- It excludes the manual work of tracking projects.
- It manages the use of proper resources in time.
- It maintains schedule of the projects that is the start and end date of project accomplishment and reminds prior to the end date.
- The system saves time, efforts and cost of organization.
- It is easy and flexible to use.

### V. ARCHITECTURE



#### Technical Architecture

- The technical architecture defines the technologies that are used to implement and support a Business Intelligence solution that fulfills the information and data architecture requirements. These technologies cover the entire BI life cycle of design, development, testing, deployment, maintenance, performance tuning, and user support.

### VI. IMPLEMENTATION

#### A. Student Module:

- Performs login action
- Can view project
- Can post message
- Can view message
- Can view results
- Performs logout action

#### B. Faculty Module:

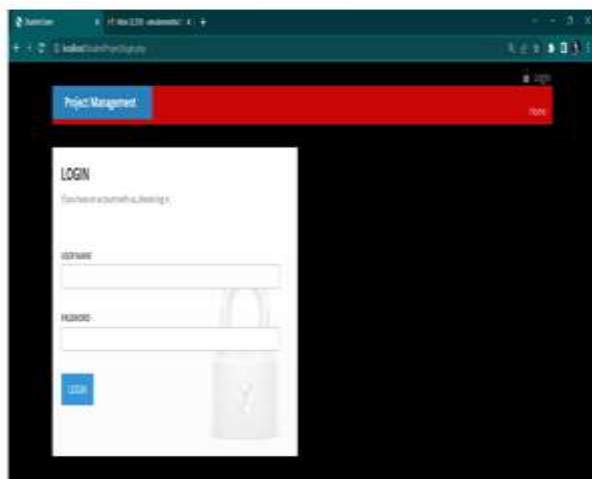
- Performs login action
- Can add student
- Can create project
- Can view project
- Can post messages
- Can view messages

- Performs logout action

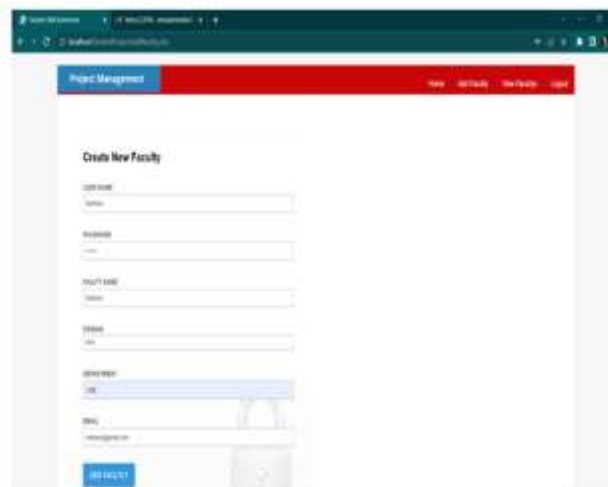
### C. Admin Module:

- Performs login action
- Can add faculty
- Can view faculty
- Can view student scores
- Performs logout action

## VIII .RESULTS



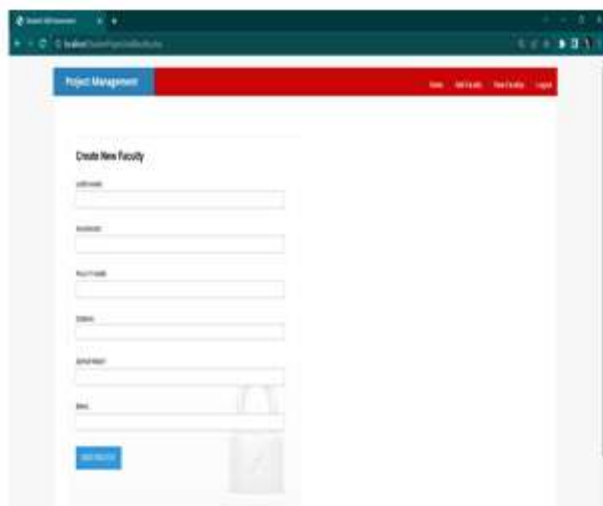
Home page



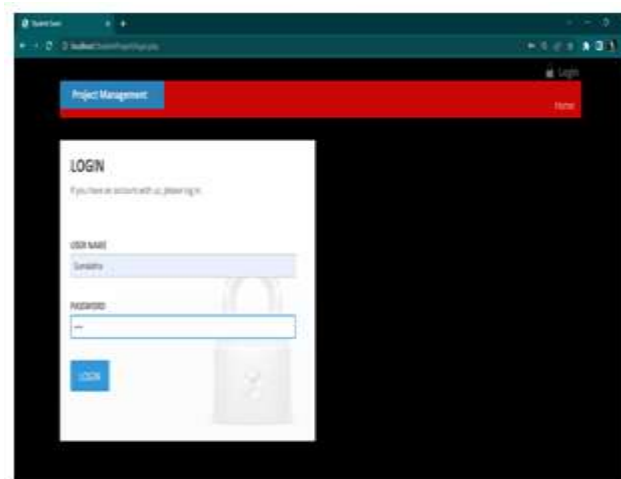
Admin(HOD) page to create new faculty  
(with details filled )



Faculty added successfully

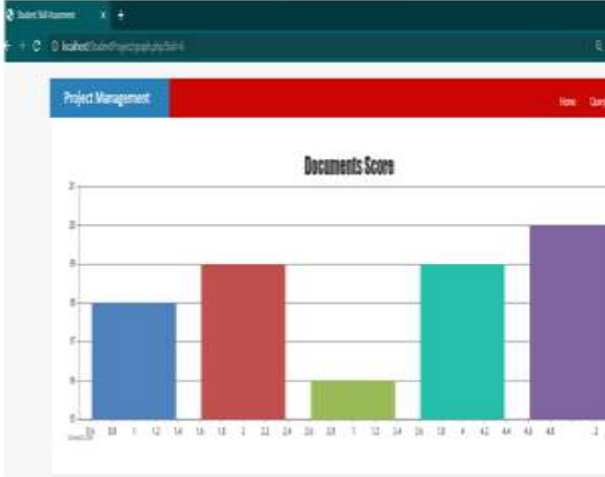


Admin(HOD) page to create new faculty



Posting query

understand and helps them adapt with the use of this web service.



## Project score progress in the form of graph VIII CONCLUSION

The survey helped in building a collaborative system for students as well as professor for performing project related tasks. This system has overcome all the traditional process of manually submitting the project abstracts, synopsis or any other documents. Also it provides a platform where guide can allot tasks to their respective group and student can choose his group as well as can choice his project guide. Project related tasks can be allotted by the project guide and other faculties can only give reviews over it if they wish to. Students can directly upload their proposed work and the documentation on this system for evaluation of the work. At the end of the project completion, based on the performance of the students, a report will be generated for the academics and grading of the student.

## IX FUTURE SCOPE

Student project automation system is used for making the process of managing project information easier and to also make it accessible for everyone. This application eliminates the additional time and resources needed to plan and track the projects. It also offers a nice interface that is easy for users to

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