PROJECT MANAGEMENT SYSTEM LIKE BITBUCKET (App)

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Abstract - *Managing and tracking various projects using traditional process is a difficult job. The main motive of this project is to design a simple automatic system for managing and tracking all the activities of the user/users.*

Project management system is helpful for users to manage their projects. This system is the collaborative system wherein various users can handle their projects together. It is a product which is helpful for different types of users like students, professors, programming experts etc. the users have to register themselves by filling the registration forms and mention in their group members.

For maintaining privacy and authentication the users have to create a login ID and password. When a single user logs in to the system, all the projects he is working on are mentioned. The tasks of all his projects are managed and tracked. Similarly, experts can login and check various source codes of users and guide them.

In this project there would be a number of tasks assigned to user, and its progress will be recorded. PMS is a simple system which helps users to keep track of their work. It is the product which is helpful for project monitoring.

*Key Words***:** Project management application (Android App.), Project management System, Project monitoring System

1. INTRODUCTION

1.1 Aim and Objectives of Project

The main aim of this project is successful implementation of a project as user's task completion, planning and execution will be regularly monitored. Using this system, the process of Project Management system gets automated.

Many project management systems are difficult to use and tedious to understand, but this system is user friendly and easy to understand. As all the projects are being tracked, implementation of each project is successfully completed within the stipulated time.

Also, by using this system for project management people from various parts of the world can work collectively as a team on a specific project they are interested in.

1.2 What is a Project Management System?
A system software used for planning of the project, and scheduling and managing different tasks while trying to avoid any kind of risks is a Project Management System. To complete various kinds of project especially a large one, project management system is a must.

1.3 Benefits of using a Project Management System
A project management system tracks the tasks of user and the user can easily plan their projects according to the time required for them to complete it. It also informs the user about the forthcoming risks like delay in the completion or running out of budget etc., and thus helps in scheduling and time management. This is because it keeps a record of all the actions performed and the tasks completed and the ongoing tasks. It also keeps a real time track of time and budget. Communication between teams and experts is easy as doubts and concerns can easily be posted on comments. This system is very easy to understand and thus can be used by any kind of a user.

LITERATURE SURVEY

EXISTING SYSTEM

The project management systems available are usually manual. Project organizer or guide provides task for student manually. Student complete the work that is given by organizer or guide and submits manually, during this system all work is

completed by manually therefore it will take longer to complete project connected work. Project organizer or guide needs basic cognitive process in mind once student completed the work therefore it's troublesome for Project organizer or guide that student completed the task and once. Within the existing system doesn't facilitate users to induce right data at right time and user cannot manage project development simply to realize the most goal.

Limitation of existing system

- It takes a long time.
- At the time of necessity correct information is not retrieved.
- The team can't see the changes or updation done by the guides in the projects immediately.
- The work done is manually.

2. PROPOSED SYSTEM

2.1 PROJECT MANAGEMENT SYSTEM

This paper was published in the year 2017 and it proposed a project management system using hash map. This project management system is developed for educational organization and tracks project status of various teams and keeps its records.
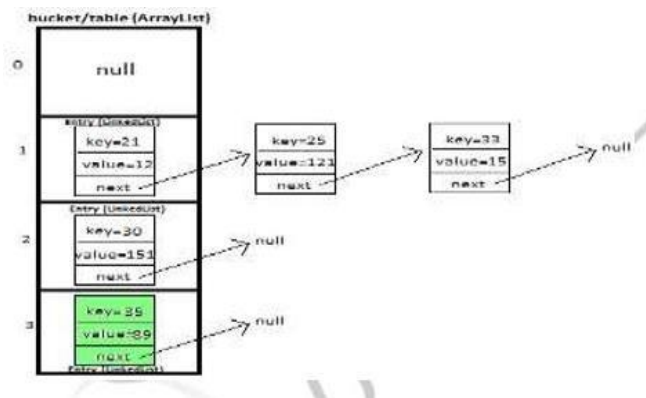

Fig-1: Hasp Map Diagram

They are using a Hashmap feature of java that automatically assign the guides to the groups of students and different phases of WBS (work breakdown structure) for grading of the particular group. It also provides a good interface which is easy to understand by the users and helps in adapting to the use of this web application.

2.2 A WEB BASED PROJECT MANAGEMENT SYSTEM

It is a project management system which helps to maintain progress of allocated tasks and create various projects and handle them efficiently.

WAMP was used for the development of the web-based project management system. HTML, CSS, PHP and JavaScript was used to design the web pages.

2.3 WEB BASED PROJECT MANAGEMENT SYSTEM

This system manages the project efficiently by making proper and creative teams. This system basically focusses on team work that helps in making the project more efficient and error free. They use Groupware to manage the teams. This system creates a groupware system available entirely through web browser as a set of dynamic web pages.

Developing this application allowed them to inspect the way such systems work, experience problems that developers of groupware systems encounter on a daily basis and test few of our concepts for solving common problems.

2.4 STUDENT PROJECT MANAGEMENT SYSTEM

This system is designed for students where the tasks can be completed by students and the mentors can supervise it online. Students have to complete and submit the project before the due date. Also, projects can be done in teams or individually.

The mentor module allows the mentor to examine the project created by the students. The mentor can access only the project to which they have been allocated as the group guide.

METHODOLOGY

PROBLEM STATEMENT

In the current scenario, many users have to keep a track of their project is manually. Students may have to prepare a list of the group members and decide which tasks each of them should complete. They have to trace their performance and complete the tasks before the deadline.

Similarly, the reviewers and professors are allotted a Number of groups, whose productivity progress of the project has to be managed. The professors make a list of various ongoing projects, and also have a track them. More over the deadlines are to be remembered as there is no automated system which would set reminders for deadlines. Thus, Managing and tracking project is a tedious task.

We are developing this product in order to help various students and professors to track the project and manage them efficiently for reducing their memory load and stress.

SCOPE OF THE PROJECT

The project being designed is simple, collaborative, reliable and easy to understand. Individual milestone analysis is provided at every stage of the project. This application helps to develop a project faster and cheaper as working in teams would help in completing tasks easily and more efficiently.
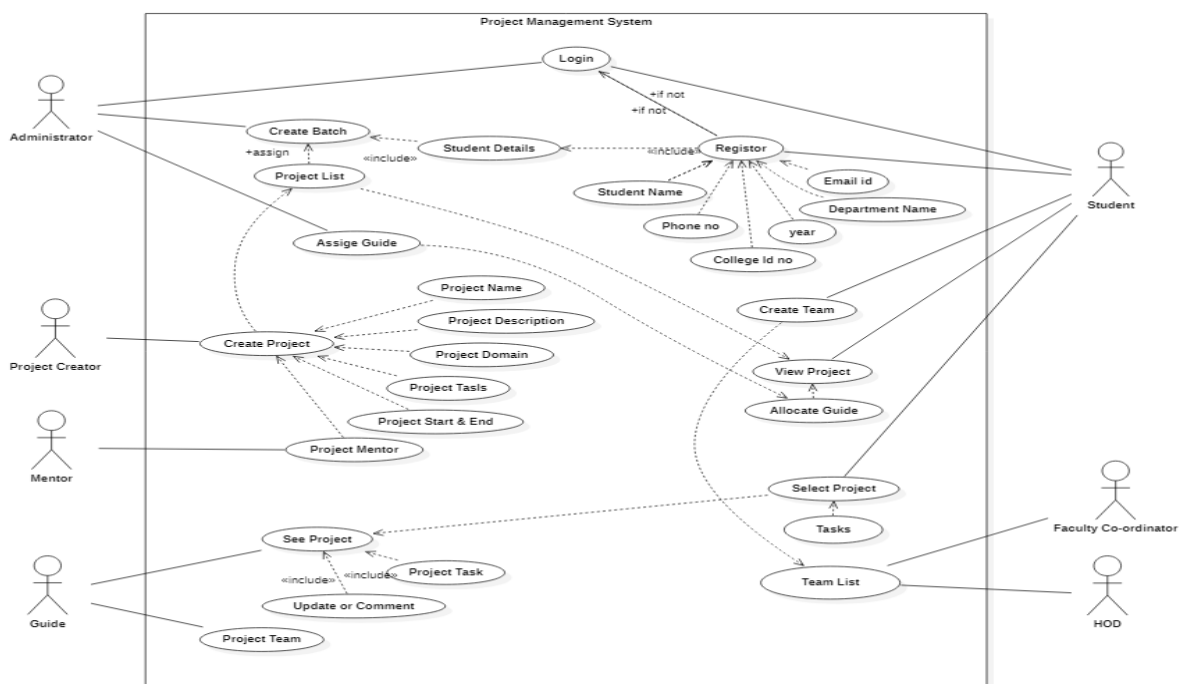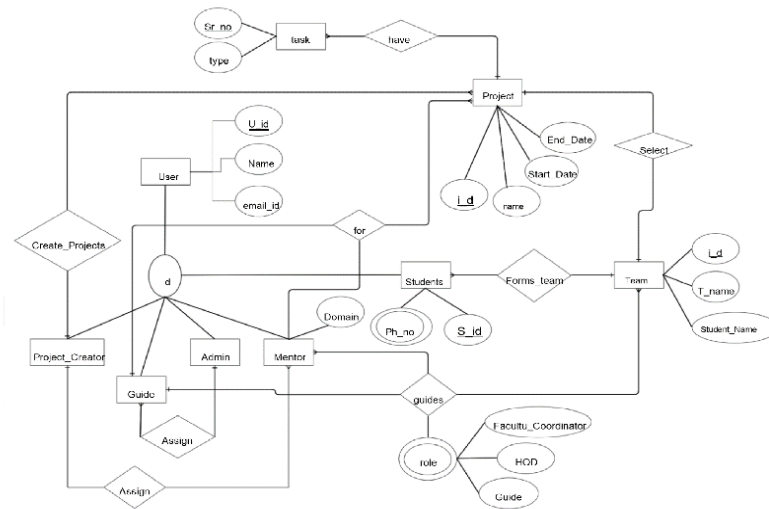
DESIGN
UML DIAGRAM

Fig-2: UML Diagram

DMD DIAGRAM

Fig -3: DMD Diagram

3. CONCLUSIONS

Project Management System would help users to manage their projects easily and efficiently. This system would help users to record their progress and various activities. Also, it records the details of the teams and its team members.

The app being developed will help the users to access their projects and tasks on their android mobile phones which will help them to access their projects anytime, anywhere.

Thus, there can be various users as this system is easy to use and very efficient.

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