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Online Project Tracking System

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Abstract

The proposed system is developed to overcome the disadvantages of manual project handling system. In which, teachers and students may not able to communicate with each other properly because of non-adjustment of time. Sometime the students are not present or the teachers are not present for a meeting because of their busy schedule. So, it's very difficult to organize activities of project manually. That's why we are trying to develop the project named as Automated Project Group System for simplification of project related activities. Automated Project Group System is a system that offers many flexible and convenient features, allowing student, teachers, users to maximize time and efficiency. Online project tracking system gives all detailed information about students, staff and project. It will track on the how to form a project group, it will decide a group leader, it will decide a group guide, it provide chat box for particular group for communication and also provide the feature for uploading new ideas for project and all. It generates reports related to project. And this Online project tracking system is customizable for any online project requirement. Online project tracking system is a system which performs the operation in the form of, inserting the students and teachers data, forming the project group, selecting the group leader and allocating the group guide to respective group.

Index Terms: e-learning system, ICT, digital media, MOOC, adaptive learning.

1. Introduction

Online project tracking system is a system which performs the operation in the form of, inserting the students and teachers data, forming the project group, selecting the group leader and allocating the group guide to respective group.

First thing that user have to do is, go to homepage of APGS. In homepage there is lots of information available, for example about team members who created the project, about recently completed project etc. In homepage there is a navigation bar which include 3 menu, "home", "login", and "contact". In login section user will login his account and there is one option which is "sign-up" in that user will

create new account and in contact section user will ask for help from admin.

After login user will perform operation according to type of user if the user type is Student then he/she will perform student related operation like discuss about project with other members, view project details etc. If the user type is Guide then he/she can perform guide related operation like allotting project to group, updating project progress, notifying group members about important meeting etc. If the user type is admin then he/she will perform admin related operation like maintaining the groups, creating groups, provide support to other user etc. In the login page there is option called as "Reference user" in that option user can take

previous year project soft-copy (thesis) for demo use.

Managing and controlling the final year projects of students using manual or traditional process is a very tedious job. The main aim of this project will be to create an automated system for managing all the activities of projects. Online project tracking system will be a system for managing, controlling, monitoring the final year projects of students. It will be a web based portal or application which is useful for students, project coordinator and project guide. Firstly all the students need to register into the system using registration form. Then registered students can login into the system using their id and password to get authenticated. When the students login to the system, then they will form the groups by their own. Similarly, project guide needs to login into the system using their id and password. It also allows the group of the students to provide at least three project domains and then system will automatically assign the guides to the group of students. Project coordinator is main aspect of the system which will assign different tasks to the students. Project coordinator and project guide is co-ordinate with each other. Depending upon the different parameters, the work will be assigned by the coordinator and the progress chart of the group will be created.

In today's world, nobody takes an initiative to look for notices which are displayed on the notice boards. Many students miss the information about some important notices and updates related to their final year projects. Also, the students are not able to keep track of their project related activities. It becomes very easy if all the details and updates of the project from guides and coordinator are readily available for the students. Managing the final year projects manually is very stressful job. But using simple web portal anyone can carry out their project related work which is the main aim of online project tracking system. It will provide students, Project coordinator and Project guides a simple web portal

to manage and monitor the overall project activities. All the modules of the system have a unique user id and password. Then any module can login into the system using their id and password to get authenticated further. It will allows the group of students to provide at least three project domains and then the system will automatically assign the guides to the groups of students. Project coordinator is the main module of the system which assigns various tasks to the students. Project coordinator and Project guide are interacted with each other. Depending upon the different parameters related to the work assigned by the coordinator, the progress chart of the group is created and grades will get automatically assigned for the particular group of the students. E-mail notifications are send to the groups about the important notices and updates related to their final year project. A project management system is a means of managing a project by planning, organizing, and managing its different required aspects.

A project can be simply defined as a task to be completed within a given time. Projects can be grouped into three major categories; Industrial projects (civil engineering, construction, petrochemical, mining and quarrying), manufacturing projects and management projects.

Project management is the employment of knowledge, expertise, tools and methods to project activities that satisfy project requirements . The term project management is sometimes used to describe an organizational approach to the management of ongoing operations . This approach, more properly called management by projects, treats many aspects of ongoing operations as projects to apply project management techniques to them.

2. Literature Review & Related Work

In [4] the model, which drives the entire system architecture to the brand new software growing ideological system that put forward faces to item control organization. In this paper, the complex

hassle oversimplifies and abstract problem pictorially as base. It takes software venture manages process visualization and controllable as simple intention.

In [3] a method is proposed that extends the goal-question-Metric technique and automates the tracking of satisfactory desires via a multi-agent system with the assist of competitive bidding agent conduct for proactive vs. cooperative vote casting for reactive measures.

In [5], the author has defined mini-music, which makes a specialty of numerous areas of IT Enterprise and assignment control which can be a hobby to diverse lecturers and practitioners.

3 .ANALYSIS OF PROBLEM

As we know currently there is no centralized and organized way where the administrator can see the what is going on as far as the project work of all the students is concerned. He has to arrange the demonstrations of project work at all the point of time which is practically very time consuming and hectic tasks. With manual system, he has to attend the demonstration of every phase on the scheduled date and time and being an overall administrator it is practically infeasible to do so as he is involved in all other aspects. Also the project guide and administrators has to suggest the changes after demonstration by students only. So this problem can be addressed by making project tracking online wherein the students ,guides and administrators can see status of the project of their students online at any time as per their convenience and suggest the necessary changes and the action that needs to be taken.

4. Proposed Work

The proposed system will be having 2 modules

- o Student Module
- o Project Guide Module

4.1. Student Module:

The Student module will be having following capabilities:

The student will be able to register himself on the system.After approval from administrator he will be assigned guide Student can then upload status of each of the phases of project in the form of text , pdf or in the form of screenshots. Student will also be able to see the notifications or important notices on his dashboard.

4.2 Project Guide Module:

The Project Guide module will be having following capabilities: Project guide will see all the status of work done by his projectees. Project guide will provide the remarks after the files uploaded by his projectees. Guide will have to enter the percentage of work done till date by his projectees that will ne helpful for students as well as to the Administrator. Project guide can also post notices or formats that the students will have to follow.

5. Conclusion

In this system, we proposed an efficient way to reduce the manual work. In manual work, there was no balance in the groups, as some groups were of brilliant students and some of weak students. There was no proper way of efficient communication in manual project forming. But in Automated way group members can efficiently chat and communicate with each other by using OPTS. By using this OPTS, time will be saved; interaction with teacher can be done easily. And it will reduce a lot of work.

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