

WEB BASED PROJECT MANAGEMENT SYSTEM

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Abstract: The use of the web has many positive effects on education. It overcame time and space limitations in traditional colleges teachers and students are now using the web to access vast amounts of information and resources in the cyber space. In our proposed work we aimed to ease the manual project work by developing web-based project management system. This system is an environment where all the process of the student in the institution is managed. It is done through the automated computerized method. This system saves the time of the student and of the faculty/students. As the system is online the information is globally present to everyone. As the system used in the institute is outdated as it requires paper, files and binders, which will require the human workforce to maintain them. To submit the project related material in the institute, a student in this system should come to the university. while standing in the queue which consumes a lot of the student's time as well as of the management team. As the number of the student increases in the institute manually managing the strength becomes a hectic job for the faculty. This computerized system stores all the data in the database which makes it easy to fetch and update whenever needed.

• INTRODUCTION

Academic Project management is a major issue which is faced by many educational institutes in India, the main reason for this is there is no automated system followed in any institute. College management/staff gathers all the project reports and project sources from students and store them physically in some locations probably libraries. To overcome this practical problem and also to make the process easy we developed a secured internet application which is useful for each and every institute.

• LITERATURE REVIEW

Academic project management is one of the major concerns for education institutes. As there were no automated systems earlier to overcome this, some internet web-based applications have been built. These applications are capable of managing project details in one software built in programming language. These applications have different modules for storing every project details separately. Modules like Admin, Student, Project In charge, etc. Every module has their special features that provides different access options to its users. As this application are built for institutes they are made protected from unauthorized access. They are accessible only through login passwords. Authorized people of institutes who have id/passwords only they are capable of using the software application. Still there are some features, modules and different options that can be added in future applications.

• PROPOSED WORK

The application should allow the student to login and upload/enter all his details regarding project such as project abstract, White papers, SRS, PPTs, Sources etc. All these details must be maintained in database. Head of Department or the head of the projects can directly search of any project. It must provide role-based authentication in this project for high level security. User can view all the documents online. Modules / functionalities:

In this project we have 6 major roles:

- Project co-ordinator (Admin)
- Approving authority
- Project Guide
- Projectees
- Upload Project content
- Project Dairy



- Project co-ordinator (Admin):**
 In this project Admin should have the all authority, i.e., he can add the student details such as name, stream, Academic year and Department. Admin can also upload the project schedule which helps the students to work accordingly.
- Approving authority:**
 Head of the Department plays vital roles in our application projects posted by students are viewed by hod if hod approves then only next level people can view the project details:
 View Project details.
 Approve project details
 Auto project update
 Project Feedback: HOD can give his feedback on projects which can be views by that project related student.
- Project Guide:**
 They can have the command on the projects which are allocated to them.
- Student:**
 Student can login and post all his project details and he can view his project details online such as.

 - ✓ Upload project Details.
 - ✓ View all his project details.
 - ✓ Modify details.
 - ✓ View his project status.
 - ✓ Check Feed back
- Upload Project content:**
 In this section students can upload the contents of their projects. This will help everyone (i. e. HOD, Project in charge, Internal guide and other students) to understand the concept and working of the project in more detail.
- Project Dairy:**
 In this module we can manage all the student details and slot details such student attendance or whatever discussion did in particular slot.

FLOWCHART

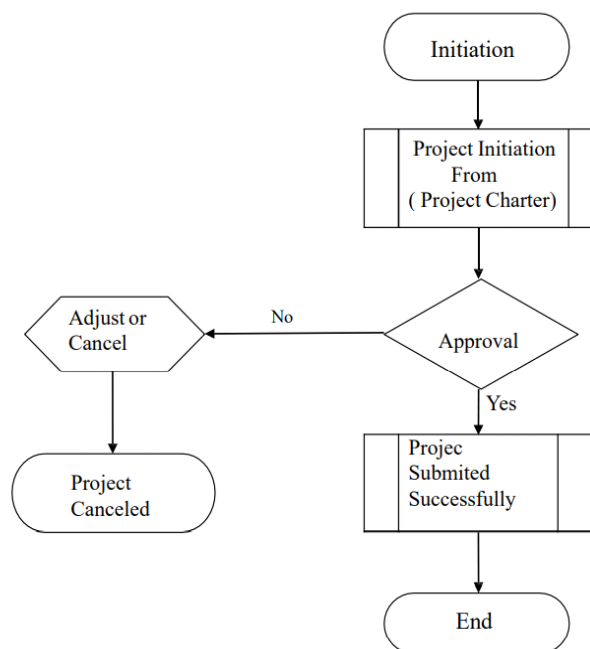


fig. 1: Flowchart of Web-based project management system.

**• CONCLUSION**

The use of this application is to reduce extra time and efforts to manage and monitor the project in universities. The current system is developed for single department of college/universities and can be expanded in a way that it can be used at various institute or organization levels.

• REFERENCES

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