

PROJECT APPROVAL SYSTEM



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ABSTRACT

- The article describes the preparation of the Project approval system before the start of development, the project architecture, and testing. The work processes are demonstrated, registration and authorization in the system, creation of the project approval process and the approval process itself are considered.

INTRODUCTION

- In the modern world, the topic of electronic approval of documents is very relevant, as it significantly speeds up the decision-making process on projects, especially if the participants in the approval are geographically located in different places. Information about the process status, documents, and comments is promptly delivered to the participants.

- Reduces the time taken to approve projects by automating and standardizing processes.
- Helps ensure that only viable and strategically aligned projects are approved, reducing the risk of project failure
- The proposal goes through a review process, where necessary feedback is provided, and it is either approved or rejected by authorized personnel.

- The Project Approval System is designed to streamline and automate the process of approving and managing projects within an organization.
- This system helps reduce paperwork, enhances transparency, and speeds up the approval process, improving overall efficiency
- The system allows users to submit project proposals, track the approval process, and receive notifications about the status of their submissions.

LITERATURE 1

Academic Project Approval System Through Online

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
- They store them physically in some locations, probably libraries

- Students find it difficult to search for their related projects and technology domains
- To overcome this practical problem and also to make the process easy we developed a secured intranet application which is useful for each and every institute.
- The process begins with students submitting their project proposals online through website and waiting for teachers approval

WORKING

- Students submit project titles and abstracts online. Abstracts are sent to the HOD for approval.
- HOD reviews the abstracts and approves/rejects them. If approved, students proceed with project development.
- Project coordinators allocate guides to student teams. Guides monitor project progress.
- Students upload documents for different phases of the project. Project status is updated based on reviews.

- Guides and coordinators review project submissions. Feedback is given at different stages.
- Students submit the final project report online. HOD reviews and grants final approval.
- Approved projects are stored in an online repository for future reference. Search functionality allows students to find past projects by title or domain.

ADVANTAGES

- Reduces paperwork and manual handling of projects.
- Faster approval process compared to traditional methods.
- Easy access to past projects for students and faculty.

DISADVANTAGES

- Requires stable internet access, in some areas
- Users may face difficulties in using the system.
- Training for faculty and students may be needed.

LITERATURE 2

Project Approval System (2024)

INTRODUCTION

- Academic Project management is a major issue that is faced by many educational institutes, the main reason for this is there is no automated system followed in any institute
- The project plays an important role at the university level.
- By centralizing project approval processes, we aim to enhance transparency, accountability, and decision-making across the organization.

WORKING

- Student Module- Once the student login, they can create and edit their profile. They can handle their profile by putting all the information. They create the profile by entering their personal, academic information, and also can upload his/her resume.
- C. HoD Module- Each department has a HoD. The HoD has access to the students' profiles for each department. He can get a copy of the student's resume. The communication wall allows HoD to communicate with other users. The notification will be forwarded to the HoD by the Admin.

- Admin Module- He is the principal of the university. He is the administrator of this system. he is able to view the student details of all departments. he is able to upload the required material for the student. he can communicate with the Students, HoD and Departmental coordinator through communication wall.

ADVANTAGES

- Streamlined approval system
- Data driven decision making
- Review and Approval Workflow
- Reporting and Analytics:

DISADVANTAGES

- Limitation in Mobile and Remote Access
- Data security challenges
- No real time communication possible

LITERATURE 3

PROJECT APPROVAL SYSTEM (2022)

INTRODUCTION

- In traditional academic settings, project approvals require manual submissions, paperwork, and in-person approvals, leading to delays and inefficiencies.
- To address these issues, the Project Approval System (PAS) was developed as a web-based solution that enables students to submit projects digitally, receive approvals, track progress, and communicate with faculty in real-time.

WORKING

- This study is designed to see how the proposed software might increase accuracy and reliability.
- The proposed software tool is designed and built using ReactJS, Firebase, MongoDB Atlas, Typescript, and ExpressJS as the software interface
- Here one oversees all the roles assigned to HOD, project manager, and student. Here the admin can create roles for system members. If the admin wants to add an employee to assist the admin, then the admin can add an employee and can remove it if it is not needed.

ADVANTAGES

- Automates approvals, reducing delays
Eliminates manual paperwork.
- Students receive instant feedback from faculty.
- Encrypted login system ensures data privacy and security.

DISADVANTAGES

- Requires a stable internet connection for access.
- The chatbot only answers basic queries and lacks understanding.
- Requires strong authentication encryption methods.

LITERATURE 4

Development of a real-time Document Approval System

INTRODUCTION

- In the modern world, the topic of electronic approval of documents is very relevant, as it significantly speeds up the decision-making process on projects
- Information about the process status, documents, and comments is promptly delivered to the participants
- In addition, the introduction of document approval systems into production has a positive impact on both the economic and environmental aspects like Printing and photocopying costs are significantly reduced

WORKING

- To start working in the system, the user must pass authorization or registration, if not authorized . After logging in, the user can interact with the approval processes.
- The document approval scheme starts with the approval stage. If all the clients at the stage have agreed on the document, the stage is assigned the status " Processed successfully", otherwise the status " returned to the author for revision" is assigned.
- The framework chosen for the development of the web is Vue.js. To speed, the Vue-cli library is used.

ADVANTAGES

- Streamlined approval system
- Faster Approvals
- Notifications and Alerts
- Reporting and Analytics:

DISADVANTAGES

- Resist switching from traditional method
- Security Risks
- No real time communication possible

WORKING OF PROPOSED SYSTEM

- Using this web application, the Student can send a request to HOD for Project Title along with Abstract. On acceptance of HOD, he/she can design the Project along with necessary documents and submit to the College over the Internet using the College's website. In the Project Review, the project guide/mentor can download the Project content from the College's website (from the Internet) and can do the evaluation.

- First the user creates an account in the system and if the user already has an account then he simply logs into the system with his credentials.
- Then if the user provides the correct credentials then the user gets redirected to the Home page and in the home page the user can see four dashboards where the user can redirects to any of the dashboards based on the privileges given the admin and the information given during the creation of the account.

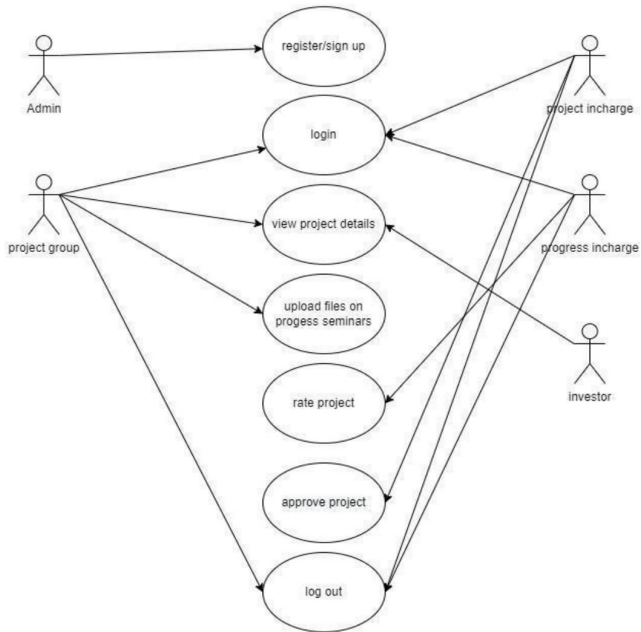


Fig. 2. Use case diagram of the proposed system

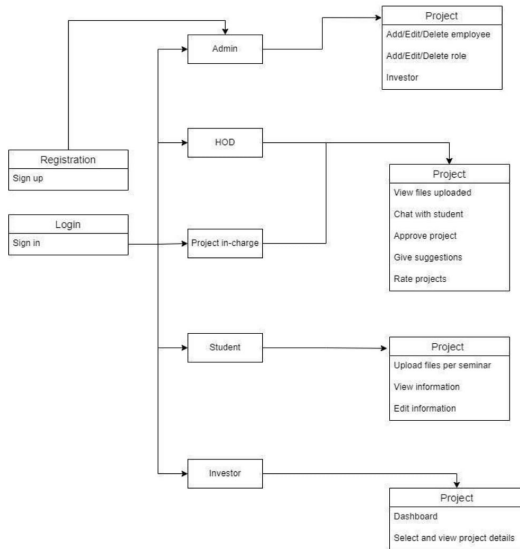


Fig. 1. This is the system architecture of the proposed system

Student Page:

- Login/Logout system with secure authentication
- Overview of submitted projects, statuses (approved/pending), and upcoming deadlines
- Option to submit new projects, including uploading documents and entering project details
- Ability to upload related documents and also download project-related feedback or resources.
- A simple tracker to update project milestones or stages of completion.
- View teacher feedback or comments on submitted projects.
- Option Option To update or edit submitted project details if necessary before the teacher's approval.

Teacher Page:

- Login/Logout system with secure authentication.
- Overview of all assigned student projects and their statuses.
- Access to all students' submitted projects with details, uploaded documents, and statuses.
- Ability to add feedback or comments on the student's project for further improvement.
- Chat feature to communicate with students directly about their project progress or issues.
- Track changes and updates made to student projects.
- Organize projects based on the submission date, status, or department.

Administrator (HOD) Page:

- Secure login/logout to access the admin portal.
- Overview of overall project status across departments.
- Add/edit/remove students, teachers, and other administrators. Assign teachers to student projects.
- Track and monitor all project submissions from students in the system.
- Generate and view reports on project status, submission rates, student performance, and teacher feedback.
- Send system-wide announcements or reminders to students and teachers regarding deadlines, updates, or system maintenance.
- Review all feedback and communication between teachers and students for accountability.

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ADVANTAGES

- The system simplifies the entire project approval process, reducing paperwork and manual interventions
- User-Friendly Interface.
- Automating tasks like submission tracking, document uploading, and approvals saves significant time for both students and teachers.
- Secure user authentication ensures that only authorized individuals (students, teachers, and admins) can access the system.

CONCLUSION

- The Project Approval and Management System successfully addresses the need for an efficient, streamlined process in managing student projects from submission to approval.
- The system allows for separate logins for students, teachers, and admins, ensuring that each user role has access to the relevant features.
- Overall, the implementation of this Project Approval and Management System contributes to a more efficient workflow, providing a reliable solution for both students and educators.

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THANK YOU