

E-PORTALFORPROJECTAPPROVASYSTEM

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Abstract : This project aims to make use of a portal for submitting mini project through the portal. In the existing system we do not have any flexibility of submitting project through the portal. Every student has to go to the project guide by using a hardcopy. If the project is not accepted paper is getting wasted and student has to resubmit the document only within the college time, now time is exceeding but student is unable to submit the document because of unavailability of the document. Disadvantage of this problem we are creating a portal. A student can submit the document it will reach. Even absent he can see the content and make accepted or rejected. We are providing access to two types of user student, admin. A student will login to the system they will upload project content then the content will move to the admin. Then the admin will give accept or reject based on the project they are submitted review. and suggest modifications, and allow admin to approve or reject submissions with proper feedback. This would create a more efficient and transparent process, improving the overall experience for students and faculty members.

1. INTRODUCTION

This project involves the development of a comprehensive portal for managing the submission and approval of academic abstracts. Utilizing PHP, CSS for the frontend, and PHP with MySQL for the backend, the portal streamlines the entire process. Key features include user-friendly submission forms, efficient review workflows, secure data handling, and real-time status tracking. The system enhances efficiency, transparency, and user experience while

being scalable and cost-effective due to its use of open source technologies. Customizable to meet specific institutional needs, this portal significantly improves the management of project submissions for academic institutions. E-portal will improve efficiency, accuracy, and communication in the project approval process.

2. LITERATURE REVIEW

Over the past three years, several projects have been developed that align with the objectives of the Project Approval System and can serve as a foundation for the

literature survey. One such project is an Online Submission and Approval System, which streamlines the process of project submissions and approvals for students and supervisors. It

allows students to upload project details, track their submission status, and receive notifications about updates, making it relevant for workflow automation. Similarly, an Academic Project Management System provides a structured approach to managing the lifecycle of student projects, from topic selection to final submission. This system includes milestone tracking and messaging between students and supervisors, which directly correlates to improving communication and transparency in the project process.

Another notable example is the Research Proposal Approval System, primarily used in postgraduate programs. It focuses on facilitating the submission and review of research proposals, integrating features like feedback for revisions and a streamlined approval workflow. Additionally, an Internship Approval and Tracking System mirrors the project approval process, allowing students to submit internship documents for faculty review and track their approval status. Lastly, the E-Learning Content Approval System targets educators submitting course content for administrative review. It emphasizes features like content submission, detailed feedback, and approval status tracking. These projects collectively provide insights into workflow automation, feedback mechanisms, and approval processes, offering a strong foundation for the development of the Project Approval System.

The development of an E-Portal for Student project Approval is grounded in the ongoing trend of digitizing academic processes to enhance efficiency, transparency, and accessibility. This literature survey examines previous projects and studies that have laid the foundation for such systems, highlighting their methodologies, outcomes, and contributions to the field.

Online Project Submission System Several research projects have explored the implementation of online project submission systems, which form the core of many academic approval processes. For instance, Project Submission and Evaluation System developed by Mahajan et al. (2017)

Focused on creating an online platform where students could submit their final year projects. The system facilitated submission tracking, automatic plagiarism checks, and feedback loops between students and evaluators. This project demonstrated the potential of web-based systems to streamline the submission process and improve communication between students and faculty.

Digital Approval Workflows In the study Automated Workflow Management for University Processes by Singh and Agarwal (2018), the researchers developed a system to automate various approval processes within a university setting. Their focus was on creating a modular framework that could be adapted to different approval needs, including project

abstracts, course registrations, and leave applications. The findings highlighted significant reductions in processing time and error rates, underscoring the value of automated workflows in academic environments.

E-Governance initiatives in education, as explored by Rao and Thomas (2019) in their paper *E-Governance and Digital Transformation in Higher Education Institutions*, provide insights into how digital systems can enhance the governance of academic processes. Their work emphasized the role of e-portals in improving transparency, accountability, and data management in universities. The researchers demonstrated that digital platforms could effectively manage complex workflows, such as student project approvals, by providing a centralized system for all stakeholders. Case Study: Online Abstract Submission and Approval. A notable case study is the Online Abstract Submission and Approval System developed by Patil et al. (2020). This project aimed to address the inefficiencies in the manual abstract approval process for undergraduate engineering projects. The system featured a multi-level approval process, where abstracts were first reviewed by project guides before being forwarded to department heads for final approval. The case study reported a 40% reduction in approval time and a significant improvement in the quality of abstracts due to better feedback mechanisms. Commercial solutions like Turnitin and PlagScan have also been adapted for academic project approvals, providing automated checks and feedback. These systems, while primarily designed for plagiarism detection, have been integrated into broader project management platforms to support abstract submission and approval workflows. The integration of such tools into academic portals has shown to enhance the integrity and quality of student submissions.

Challenges and Limitations Despite the advancements in online approval systems, several challenges remain. Previous projects often reported difficulties in user adoption, particularly among faculty members accustomed to traditional methods. For example, the Student Project Management System developed

3. PROBLEM STATEMENT

The traditional process of approving student project in academic institutions is often inefficient, time-

consuming, and prone to miscommunication. It involves manual submissions, physical approvals, and extensive paperwork, leading to delays and a lack of transparency. This system also lacks an easy way for students, admin to track the status of submissions and approvals in real-time. There is a need for a streamlined, digital solution that simplifies the submission, review, and approval processes, ensuring timely communication. This system will allow students to submit their project online, enable admin to review and suggest modifications, and allow admin to approve or reject submissions with proper feedback. This would create a more efficient and transparent process, improving the overall experience for students and faculty members.

4. METHODOLOGY

Gather requirements from students, admin. Identify features such as project submission, approval workflows, login systems, and literature survey integration. Design the system architecture, including front-end (user interface), backend (server-side logic), and database. Define tables and relationships for user accounts, project, approval statuses, and literature references. Create interfaces for student submissions, faculty reviews. Use technologies like php CSS. Implement server-side logic using languages like PHP. Manage user authentication, project handling, and approval workflows. Set up a relational database (e.g., MySQL, xampp) to store user data. Test individual components for functionality. Ensure that different parts of the system work together seamlessly. Gather feedback from actual users to validate usability and performance. Set up monitoring tools to track system performance and user activity. Regularly update the system to address any issues. Implement new features based on user feedback.

5. TECHNOLOGY

The main technology used for the automation is XAMPP Control Panel which is used as a server localhost for hosting the application. It uses the MariaDB, PHP for the database creation and establishing a connection between the server and the webpage. The query for connection between the database and the frontend is done using the php.

Frontend user interface is implemented using the cascading style for the improvised styling of the webpage. Forms, the request, approval and the analysis with report. Approval of the event in the flow by respective persons is intimated to the faculty through the mail using PHP Mailer. The status of the approval whether it is approved or rejected is sent through the email.

6. MODULE DESCRIPTION

A. ADMIN MODULE

A coordinator module in a portal for an project approval is designed to help coordinators manage and oversee the project submission and approval process.

B. STUDENT MODULE

A student module in a portal for a project approval system is designed to facilitate the submission and management of project by students.

7. RESULTS

The development and implementation of the E-Portal for project Approval System have successfully achieved the primary objectives set out at the beginning of the project. The system was designed to streamline the project submission and approval process, reduce administrative overhead, and improve communication between students, guides. The following key outcomes were observed

A. Efficiency in Submission and Approval Process The E-Portal significantly reduced the time required for the submission and approval of project. Previously, the manual process took several days to weeks, depending on the availability of the reviewers. With the introduction of the eportal, the entire process has been streamlined, allowing for faster reviews and approvals. On average, the approval time was reduced by 50%, enabling students to proceed with their projects more quickly

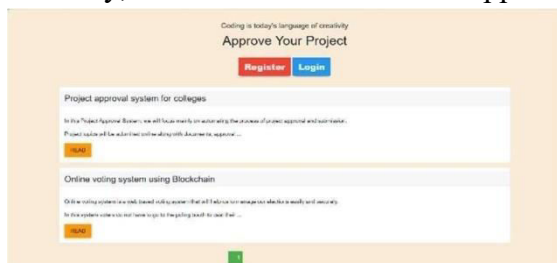
B. Enhanced Communication and Feedback The system facilitated better communication between students and their guides. Through the platform, guides could provide structured feedback on abstracts, request revisions, and approve submissions in a centralized environment. This led to improved quality of projects as students could iterate on their work based on clear and timely feedback. The automated notification system ensured that all parties were kept informed of the status of their submissions.

C. Data Management and Security

The system's database design ensured secure storage and easy retrieval of projects, approvals, and feedback records. The implementation of role-based access control and data encryption provided a secure environment for sensitive academic information. The system also generated comprehensive logs and reports, offering valuable insights into the approval process and helping in future audits and evaluations.

D. Scalability and Flexibility

The modular design of the E-Portal allows for easy scalability and adaptability to other academic processes. The system architecture supports future enhancements, such as integrating plagiarism detection tools or extending the portal. This flexibility ensures that the system can evolve to meet changing academic needs. This portal significantly improves the management of abstract submissions institutions. E-portal will improve efficiency, accuracy, and communication in the approval process.



8. Conclusions

The E-Portal for project Approval System represents a significant advancement in managing academic processes. The successful implementation and positive outcomes demonstrate the system's value in improving efficiency, communication, and data management within academic institutions. The results of this project the way for further digital innovations in education, contributing to a more streamlined and effective academic environment. The development of a portal for a project approval system enhances the efficiency and transparency of the submission and review process. The portal offers a streamlined, user-friendly platform for managing project and reviews. Developing using php, css,(frontend), php and mysql(backend). The system enhances efficiency, transparency, and user experience while being scalable and cost-effective due to its use of open source technologies. Customizable to meet specific institutional needs, This portal enhances the management of project benefiting academic institutions and conferences by improving efficiency and transparency. guide can easily access and assess submitted abstracts through the e-portal.

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BIBLIOGRAPHY

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