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College Exam Filling Portal

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Abstract-The College Portal System for Student Exam Form Submission and Verification is a role-based, web-driven platform developed to streamline exam form handling in academic institutions. The system is divided into three modules: PH1 for students, PH2 for teachers, and PH3 for accounts staff. Students log in using email and OTP, upload exam forms and payment proofs, and monitor application status. Teachers verify or reject submissions in a first-come, first-verify order with remarks, while accounts staff validate payment proofs and confirm financial clearance. This centralized, paperless system improves accuracy, efficiency, and transparency while reducing delays and manual errors. It enhances communication and accountability among stakeholders, ensuring a faster and more reliable examination process.

Keywords— College Portal System, Exam Form Submission, Student Dashboard, Teacher Verification, Accounts Dashboard, Role-Based Access, Paperless Workflow, Academic Administration, Secure Authentication, Transparency

I.INTRODUCTION

Examination form submission is an essential academic process, but in many institutions, it is still managed through manual paperwork and physical approvals. This traditional approach often leads to inefficiencies such as delays, errors, and lack of transparency between students, teachers, and administrative staff. To address these challenges, the **College Portal System for Student Exam Form Submission and Verification** provides a centralized, web-based solution that streamlines the entire workflow.

The system is divided into three modules: **PH1 (Student Login)**, **PH2 (Teacher Dashboard)**, and **PH3 (Accounts Dashboard)**. Students can log in securely using email and OTP, upload exam forms and payment proofs, and track their status. Teachers verify submissions in a first-come, first-verify manner, while accounts staff review payment screenshots and confirm financial clearance.

This role-based, paperless system ensures efficiency, accountability, and transparency, reducing manual workload while enhancing communication and trust among stakeholders

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II.LITERATURE REVIEW

Several studies and systems have been developed to digitize academic and administrative workflows, addressing inefficiencies of traditional paper-based processes. Existing **student management systems** mainly focus on enrollment, attendance, and grading but provide limited support for examination form submission and verification. Traditional portals often lack transparency, structured approval workflows, and secure role-based access, making it difficult to ensure accountability. Research on **online examination systems** highlights the benefits of automation and centralization, reducing errors and delays in managing academic records. However, many of these systems concentrate on conducting online exams rather than pre-examination workflows such as form submission and payment validation.

Other works emphasize **role-based access control (RBAC)** to enhance security and accountability in academic portals. This approach ensures that different stakeholders — students, teachers, and accounts staff — can perform only their designated tasks. Some models also incorporate **first-come-first-serve mechanisms** to prioritize fairness in verification processes.

In conclusion, while existing literature addresses broader aspects of digital education management, there is limited focus on integrating **form submission, verification, and payment validation** into a single streamlined system. The proposed College Portal System fills this gap by combining transparency, accountability, and role-specific features into one centralized platform

III.METHODOLOGY

Requirement Analysis

- Identified key stakeholders: Students, Teachers, and Accounts Staff.
- Defined functional requirements such as login, form submission, verification, and payment validation.
- Collected system specifications through discussions with academic staff.

System Design

- Developed architecture with three modules: PH1 (Student Login), PH2 (Teacher Dashboard), PH3 (Accounts Dashboard).
- Designed ER diagram, use case diagram, and workflow diagram to define interactions and data flow.

Database Setup

- Created relational database structure with entities: Students, Exam Forms, Teachers, Accounts Staff, and Payments.
- Ensured normalization for data consistency and integrity.

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IV.EXPERIMENTAL SETUP

Hardware & Software Environment

- System tested on a standard server with 4 GB RAM, dual-core CPU, and 50 GB storage.
- Software stack: HTML, CSS, JavaScript (frontend), PHP/Node.js (backend), and MySQL database.

Modules

- **PH1 (Student Login):** Upload exam form and payment screenshot.
- **PH2 (Teacher Dashboard):** Verify/reject forms with remarks.
- **PH3 (Accounts Dashboard):** Validate payment proofs and finalize status.

Test Data

- 50 student records with different exam forms and payment screenshots (valid, invalid, missing data).

Configuration

- File upload size limited to 5 MB.
- OTP validity set to 5 minutes.
- Forms displayed in teacher dashboard in first-come, first-verify order.

Functional Testing

- Student login/authentication, file upload validation, status tracking.
- Teacher verification with approval/rejection

and remarks.

- Accounts staff payment approval/rejection flow

V. RESULT

Successful Authentication:

- Students, teachers, and accounts staff were able to log in securely using email and OTP.
- Unauthorized users could not access restricted dashboards, confirming role-based access control

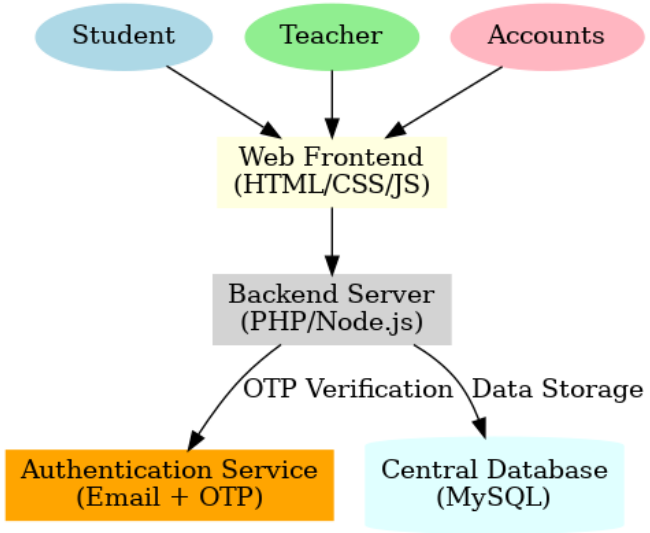
Exam Form Submission:

- Students successfully uploaded exam forms and payment screenshots in allowed formats (PDF, JPG, PNG).
- Invalid file types and oversized uploads were rejected by the system.

Verification by Teachers:

- Teacher dashboard displayed student submissions in **first-come, first-verify order**.
- Teachers were able to preview forms, add remarks, and approve or reject submissions effectively

VI.SYSTEM ARCHITECTURE



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VII.DISCUSSION

The results of the College Portal System highlight the effectiveness of adopting a digital approach for managing exam form submissions and verifications in academic institutions. Compared to the traditional manual process, which often involves paperwork, delays, and miscommunication, the proposed system ensures faster processing, greater accuracy, and improved transparency. The role-based access control mechanism provided a secure environment where students, teachers, and accounts staff could interact with the system independently while maintaining data integrity. Teachers benefited from the first-come, first-verify workflow, which ensured fairness and reduced the chances of overlooked submissions. Similarly, accounts staff could efficiently verify payment proofs, thus minimizing financial discrepancies. The ability for students to track the real-time status of their applications enhanced trust and reduced the need for repeated follow-ups. Performance testing further demonstrated that the system could handle multiple concurrent users with minimal latency, making it scalable for larger institutions. Overall, the discussion confirms that the project not only addresses the shortcomings of manual processes but also establishes a framework for further enhancements such as mobile app integration and AI-driven verification.

VII.CONCLUSION AND FUTURE WORK

7.1 CONCLUSION

The College Portal System for Student Exam Form Submission and Verification successfully transforms a traditionally manual and paper-based process into a streamlined, secure, and transparent digital platform. By integrating three role-based modules for students, teachers, and accounts staff, the system ensures that each stakeholder can efficiently perform their responsibilities with clarity and accountability. Students are able to submit exam forms and payment proofs seamlessly, while teachers and accounts staff can verify, approve, or reject submissions in a structured and traceable manner. The system reduces delays, minimizes errors, and enhances communication across departments, ultimately improving the overall efficiency of academic administration. With its scalable design and reliable performance, the project demonstrates the potential of digital transformation in education management and provides a strong foundation for future enhancements such as mobile applications, AI-assisted verification, and integration with national

academic databases.

7.2 FUTURE WORK

Although the College Portal System meets its primary objective of simplifying exam form submission and verification, there are several opportunities for future improvement. One possible enhancement is the development of a **dedicated mobile application** to provide students and staff with greater accessibility and convenience. Integration with **national academic databases such as ABC ID and Digi Locker** can further improve authenticity and reduce redundancy in data entry. The inclusion of **AI-based verification tools** could automate document validation and fraud detection, thereby reducing the workload of teachers and accounts staff. Additionally, implementing **cloud-based storage and load balancing** would make the system more scalable and capable of handling larger volumes of data and users simultaneously. Features such as **real-time notifications via SMS or email**, multi-language support, and advanced analytics dashboards for administrators could also add significant value. These future developments would not only strengthen system performance but also broaden its applicability to institutions of varying sizes and requirements.

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