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COLLEGE EVENT MANAGEMENT WEBSITE: A SMART APPROACH TO EVENT COORDINATION

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ABSTRACT

Effective event management in colleges is crucial for seamless coordination between administration and students. The **College Event Management Website** is a web-based solution designed to streamline event announcements and communication. The system consists of **two types of users: Admin and Students**. Admins can create an account and post event notifications on the website, which are then visible to all registered students. This approach ensures efficient communication and management of college events. The website is developed using **PHP, MySQL, React.js, Node.js, and MongoDB**, providing a robust and scalable architecture. This paper presents the development process, implementation, and impact of the proposed system in enhancing event coordination.

Keywords: Event management, College coordination, Web-based notifications, PHP, React.js, Node.js, MongoDB.

I. INTRODUCTION

The Colleges often struggle with managing event announcements effectively due to unstructured communication channels. Traditional methods, such as printed notices or word-of-mouth, can lead to inefficiencies and missed information. The **College Event Management Website** aims to overcome these challenges by providing a centralized platform for event notifications. The system enables **admins** to publish event-related notices, which are instantly available to **all registered students** on the platform. This eliminates the need for manual announcements, reducing communication gaps and ensuring better participation in events.

II. METHODOLOGY

The website is built using modern web technologies to ensure a responsive and user-friendly experience. The **technology stack** used for the development includes:

Frontend: React.js for dynamic and interactive UI.

Backend: Node.js for server-side logic.

Database: MySQL for structured data storage and MongoDB for scalable document-based storage.

Backend API: PHP for additional backend functionalities and data processing.

III. MODELING AND ANALYSIS

The system architecture follows a **client-server model**, where the **frontend (React.js)** communicates with the **backend (Node.js and PHP APIs)** to fetch and store event data. The use of **MongoDB** allows efficient handling of large event records, while **MySQL** ensures structured data consistency. The website's real-time update mechanism enhances student engagement with minimal delays.

IV. RESULTS AND DISCUSSION

The College Event Management Website was tested with simulated event scenarios. Key findings include:

Efficiency	The system eliminates the need for physical notices, reducing administrative workload.
Accessibility	Students can access event notifications from anywhere, improving participation.
Scalability	The use of React.js and MongoDB ensures the system can handle a growing number of users and events.

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User Satisfaction	Feedback from testers highlighted the ease of use and responsiveness of the platform.

V. CONCLUSION

The **College Event Management Website** enhances the efficiency of event coordination within colleges. By leveraging **modern web technologies**, the system provides a **real-time, scalable, and user-friendly** approach to event notifications. The platform eliminates traditional communication barriers and ensures that students are well-informed about upcoming events. Future enhancements could include **AI-powered event recommendations** and **integration with college management systems** to further improve functionality.

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