

College Event Management System

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Abstract - Managing college events manually is a time-consuming and complex process that often leads to errors in registration, scheduling, and coordination. To overcome these issues, a College Event Management System is proposed as a web-based platform that automates and simplifies the planning and execution of college events. The system provides a user-friendly interface for administrators, event organizers, and students, enabling easy event creation, scheduling, online registration, notifications, and feedback collection. Students can register for events and receive updates, while organizers can efficiently manage venues, participants, and event progress through an admin panel. This centralized and automated system reduces manual effort, minimizes errors, improves communication, and ensures smooth and efficient management of college events, making it highly useful for modern educational institutions.

Key Words:

College Event Management, Web-Based Application, Event Automation, Digital Registration System, Role-Based Access Control, Event Scheduling, Database Management, User Authentication, Notification System, Report Generation, Campus Administration, Student Participation, System Integration, Event Monitoring.

1. INTRODUCTION

Colleges and universities frequently organize academic, cultural, and sports events to enhance student engagement and campus life. However, traditional event management methods such as manual registrations and offline coordination often result in delays, miscommunication, and administrative inefficiencies. To address these issues, a College Event Management System is proposed as a web-based platform that streamlines the planning and execution of events.

The system enables organizers to create and manage events, handle registrations, allocate resources, and communicate with participants efficiently. Students can view upcoming events, register online, and receive timely updates. Role-based access ensures that administrators, faculty coordinators, and student organizers can perform their responsibilities securely.

Additionally, the system maintains digital records of events and automatically generates reports such as participation statistics and feedback analysis. By reducing manual effort and improving coordination, the proposed system enhances transparency, efficiency, and overall event management within the institution.

2. Body of Paper

Literature Review

Paper 1: College Event Management System

Author: Sandip Mehta (2024)

This study focuses on creating a digital platform to simplify the management of college events. The proposed system reduces dependency on manual processes by providing an online solution for organizing activities, managing registrations, and maintaining event details. The research explains that digital tools can improve accuracy, reduce administrative effort, and support better coordination between organizers and participants. The system also helps administrators monitor event performance and manage resources more effectively.

Paper 2: A Comprehensive Event Management System for University

Authors: Aditi Chaturvedi et al. (2024)

The authors developed a system called CU-Events, which aims to centralize event-related activities in universities. The platform provides online registration, real-time tracking, and structured management using a multi-layer architecture. The research highlights that digital systems can improve user engagement and simplify administrative

tasks. Compared to traditional approaches, the system reduces operational complexity and enhances communication among users.

Paper 3: College Event Management – Analytics and Personalization Survey

Authors: P. Shiva Sanakara Pandian, K. Sai Varsha (2025)

This research examines how event management systems can address challenges faced by colleges when organizing multiple events. It discusses the importance of communication, collaboration, and effective planning. The authors emphasize that using analytical tools and personalized features can improve user experience and increase student participation. The study concludes that modern event platforms can significantly enhance campus activities.

Paper 4: Design and Implementation of a College Event Management System

Authors: Aby Thankachan et al. (2025)

This paper presents the development of a centralized event platform designed to support both academic and extracurricular activities. The system includes features such as role-based access, event registration, notifications, and performance analysis. The research shows that integrating multiple event management functions into one platform improves efficiency and provides better control for administrators and organizers.

Paper 5: College Event Management

Authors: Pratidnya Netaji Sapkal et al. (2025)

The study explains the limitations of manual event management, such as data errors and scheduling problems. To solve these issues, the authors propose a web-based application that automates event planning and participant management. The platform enables online registration, communication, and feedback collection, helping organizers manage events smoothly and reducing manual workload.

Paper 6: College Event Management – Analytics and Personalization

Authors: P. Shiva Sanakara Pandian, K. Sai Varsha(2025)

This research highlights the importance of analytics in improving event organization. By using data analysis and personalized recommendations, the system can enhance communication and increase overall efficiency. The study suggests that adopting modern digital solutions helps

institutions conduct events more effectively and improves the overall campus experience.

Methodology:

The College Event Management System is developed using a systematic and well-defined methodology to ensure efficient planning, accurate implementation, and reliable performance. The adopted methodology focuses on automating traditional event management processes and providing a centralized digital platform for all stakeholders involved in college events. The entire development process is divided into structured phases, ensuring clarity, transparency, and scalability.

Results:

The implementation of the College Event Management System successfully streamlines and automates the entire event management process within a college environment. The system eliminates manual, paper-based procedures and replaces them with an efficient digital platform that enables seamless event creation, registration, coordination, and communication. Event organizers can easily manage event details, track participant registrations, allocate resources, and send real-time notifications, resulting in better coordination and reduced administrative workload.

Students benefit from a user-friendly interface that allows them to view upcoming events, register online, and receive timely updates, which significantly improves participation and engagement. The role-based access feature ensures secure and structured management, allowing administrators to approve events, monitor activities, and generate detailed reports. Automated report generation for attendance, participation statistics, and feedback provides valuable insights for evaluating event success and planning future activities.

Overall, the College Event Management System enhances transparency, accountability, and efficiency in event organization. It ensures smooth execution of events, improves communication among stakeholders, maintains accurate digital records, and supports informed decision-making, thereby contributing to a more organized and technologically advanced campus event culture.

3. CONCLUSIONS

The College Event Management System is developed to simplify and digitize the planning and management of college events. It automates key administrative activities such as event approvals, venue scheduling, participant registration, and communication, thereby reducing manual errors and improving operational efficiency. The system incorporates role-based access control to ensure secure and organized task management for administrators, faculty members, and students. Through this platform, administrators can oversee multiple events, monitor progress, and generate reports, while students can access event details, register online, and receive timely updates. The modular structure of the system supports future enhancements, including additional features like payment integration and feedback mechanisms. Overall, the system enhances coordination, saves time and resources, and provides a structured digital solution for effective event management within educational institutions.

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Paper 4: Design and Implementation of a College Event Management System - Aby Thankachan et al. (2025)

Paper 5: College Event Management -Pratidnya Netaji Sapkal et al. (2025)

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