iJRASET
International Journal For Research in Applied Science and Engineering Technology



INTERNATIONAL JOURNAL FOR RESEARCH

IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY

Volume: 14 **Issue:** III **Month of publication:** March 2026

DOI: https://doi.org/10.22214/ijraset.2026.78537

www.ijraset.com

Call: 08813907089 | E-mail ID: ijraset@gmail.com

International Journal for Research in Applied Science & Engineering Technology (IJRASET)
ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538
Volume 14 Issue III Mar 2026- Available at www.ijraset.com

College Event Planning Web Application

Sahil Gaikwad[1], Santosh Deshmukh[2], Sumit Mule[3], Sunny Bhagwat[4], Prof. Lamkhade J.G.[5]
Computer Engineering Department, Samarth Polytechnic Belhe

Abstract: ***College events such as seminars, cultural programs, workshops, and technical competitions require proper planning and management. Traditional methods of managing college events through manual registration, paper notices, and spreadsheets often lead to inefficiencies, miscommunication, and data management issues. To overcome these problems, a web-based College Event Planning Web Application is proposed. The system allows administrators to create and manage events while students can view upcoming events and register online. The application simplifies event scheduling, participant registration, and information dissemination. The system is developed using web technologies including HTML, CSS, JavaScript, and Bootstrap for the frontend and server-side technologies for the backend. The proposed system improves communication between event organizers and participants, reduces manual work, and enhances the efficiency of event management in educational institutions. It also helps in maintaining a centralized database of events and participants. The system ensures transparency, accessibility, and ease of use for both administrators and students.***

Keywords: Event Management System, Web Application, College Events, Online Registration, Event Planning System

I. INTRODUCTION

In educational institutions, various academic and non-academic events such as seminars, workshops, cultural programs, and technical competitions are conducted regularly. Managing these events efficiently is essential for smooth coordination and successful execution. Traditionally, colleges use manual methods such as notice boards, printed forms, and manual registration to manage event activities. These methods often lead to issues such as data redundancy, communication gaps, and difficulty in tracking participant information. With the advancement of web technologies, many organizations have started using web-based applications for managing activities and information. A web-based event planning system can help colleges streamline the process of event creation, participant registration, and information sharing. The College Event Planning Web Application aims to provide a centralized platform where administrators can create and manage events while students can easily access event details and register online. The system eliminates the need for manual paperwork and provides an efficient and user-friendly interface for managing college events. The proposed system also improves transparency and accessibility by allowing students to check event schedules and updates from anywhere. The system is designed to simplify event planning and ensure efficient communication between organizers and participants.

II. LITERATURE SURVEY

Several researchers have proposed different web-based event management systems to simplify event planning and improve coordination between organizers and participants.

1) May Paing Paing Zaw (2019) proposed a web-based event management system designed to manage seminars and university events efficiently. The system allows users to view upcoming events and register online. The study demonstrates that a centralized web platform can significantly reduce manual work and improve communication among participants.

2) Ogbiti and Jumai (2024) developed an event management system using modern web technologies such as HTML, CSS, JavaScript, and Python (Django). The system focuses on event scheduling, participant registration, and real-time updates. Their results show that the system improves user experience and reduces the complexity of managing events.

3) Abdul Raheem et al. (2025) proposed a centralized event management system designed for educational institutions. The system integrates features such as event hosting, registration, attendance tracking, and certificate generation. Their research highlights that centralized digital platforms significantly enhance collaboration among students and administrators.

4) Aditya Parab et al. (2024) developed an application called EventPro that helps organizers manage the entire event lifecycle including planning, registration, and participant communication. The research emphasizes that event applications can enhance user engagement and simplify event coordination.

5) Snehalatha and Chitra Nayagam (2025) proposed an online event management system that provides a centralized portal where students and faculty can access event information. Their system eliminates dependency on traditional notice boards and improves communication through instant event updates.

©IJRASET: All Rights are Reserved

6) Aditi Chaturvedi et al. (2024) developed CU-Events, a university event management platform that integrates event organization, participant tracking, and administrative monitoring. The system uses a layered architecture to improve system scalability and performance.

7) Dr. M.V. Bramhe et al. (2025) conducted a comprehensive review of online event management systems. Their study examines various technologies used in event planning platforms and discusses their advantages such as automation, improved accessibility, and efficient participant management.

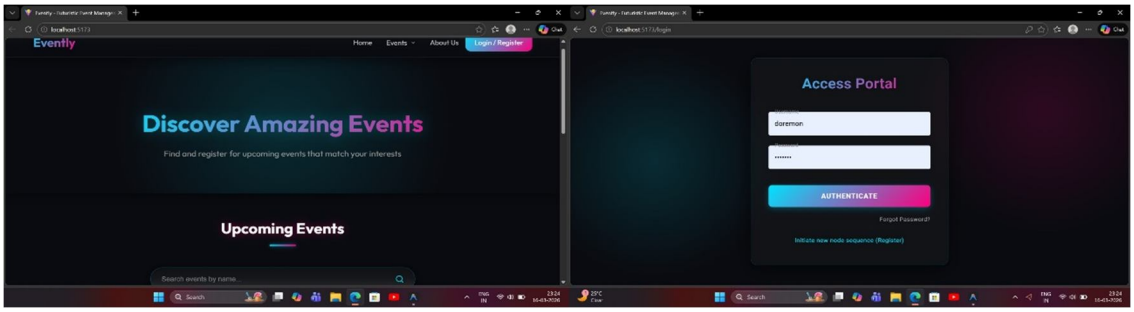
8) Prof. Diksha Bansod et al. (2025) proposed an automated event management system using PHP and MySQL. Their system focuses on simplifying event scheduling, registration management, and database storage while improving overall efficiency through automation.

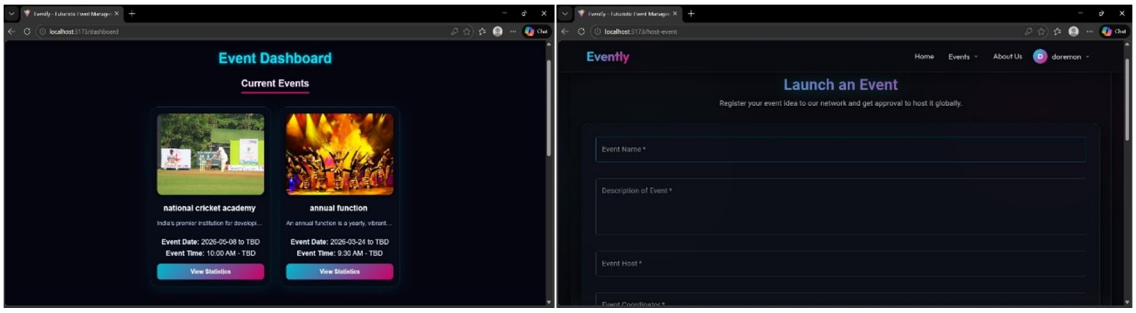
III. PROPOSED SYSTEM DESIGN

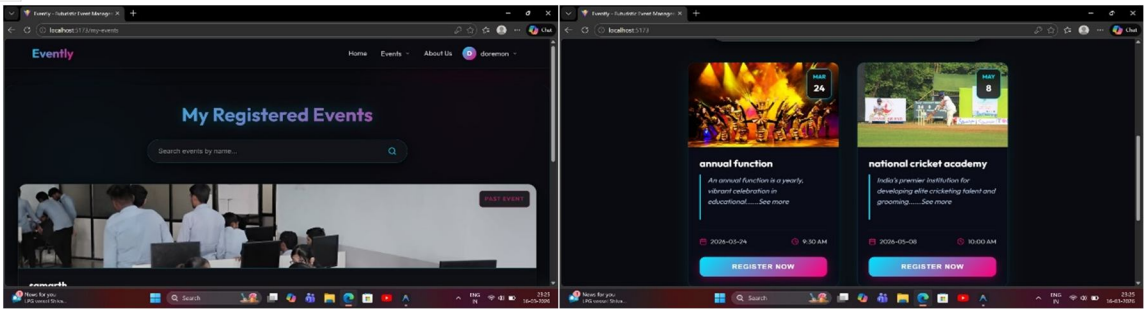
The proposed system is a web-based application designed to manage and organize college events efficiently. The system consists of two main modules: the Admin Module and the Student/User Module. The Admin Module allows administrators to create, update, and delete events. The admin can also view participant registrations and manage event information. This module helps in maintaining a centralized system for event management. The Student Module allows students to view upcoming events and register for events online. Students can access detailed information about each event, including date, time, location, and event description. The system is developed using modern web technologies. HTML and CSS are used to design the user interface, while JavaScript is used to implement interactive features. Bootstrap framework is used to make the interface responsive and visually appealing. The system architecture includes a web server, database, and client interface. The database stores event details and participant information. The web server processes user requests and communicates with the database. The proposed system ensures efficient event planning by automating the process of event management and reducing manual efforts.

IV. RESULT AND ANALYSIS

The College Event Planning Web Application was developed and tested to evaluate its performance and usability. The system successfully allows administrators to create and manage events while enabling students to register online. The application provides a user-friendly interface that allows users to easily navigate through event details. Students can quickly register for events without the need for manual forms. Testing results indicate that the system reduces the time required for event registration and improves communication between organizers and participants. The centralized database allows administrators to track participant information efficiently. The system also improves transparency by providing accurate and updated event information to students. The responsive design ensures that the application can be accessed from different devices such as laptops and smartphones. Overall, the results demonstrate that the proposed system improves the efficiency of event management in colleges and reduces administrative workload.







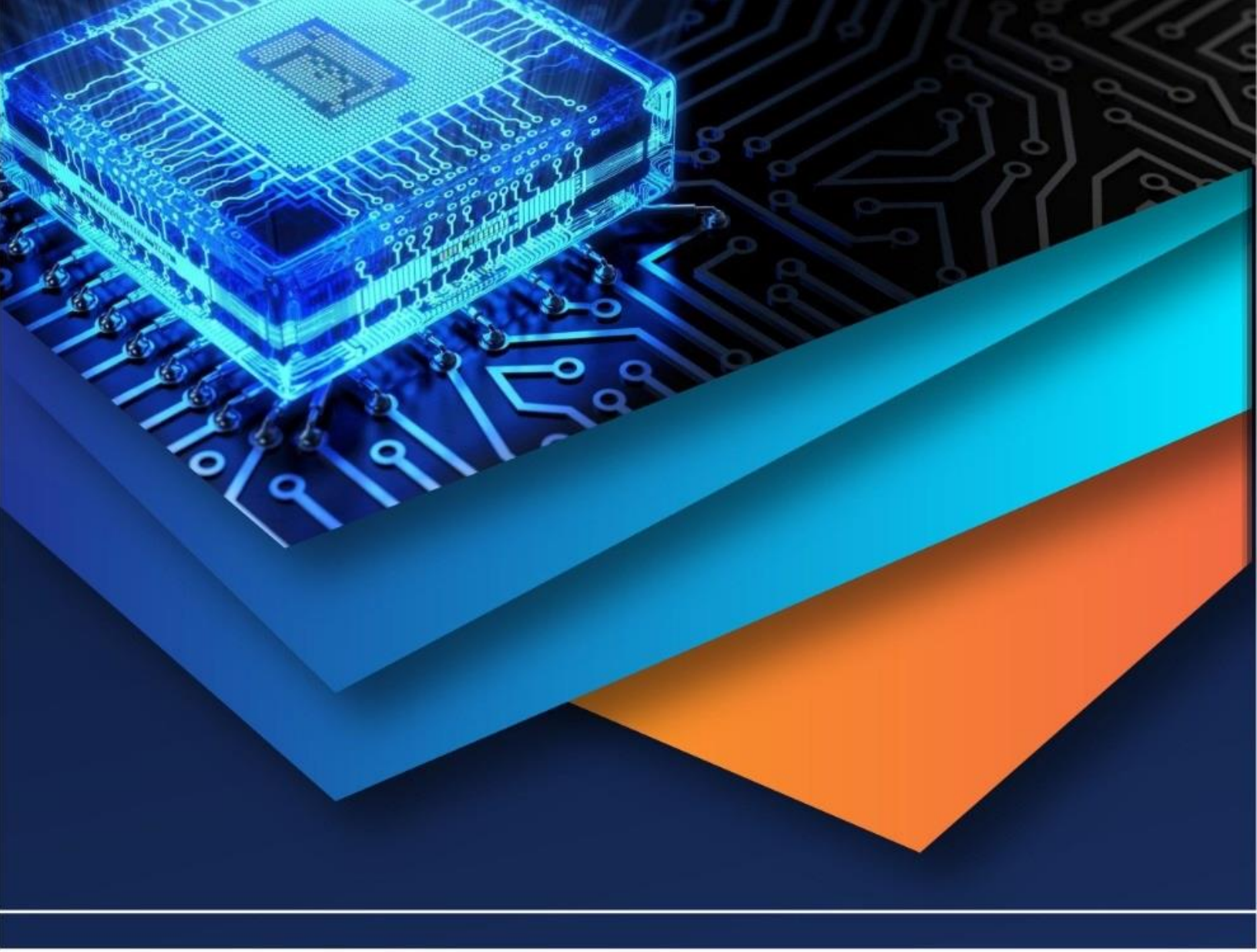
V. CONCLUSION

The College Event Planning Web Application provides an efficient solution for managing college events. The system replaces traditional manual methods with an automated web-based platform that simplifies event planning and participant registration. The application enables administrators to easily manage event information while allowing students to view and register for events online. The use of modern web technologies ensures a user-friendly interface and improved accessibility. The system improves communication, reduces paperwork, and enhances the overall efficiency of event management in educational institutions. In the future, the system can be enhanced by adding features such as automated email notifications, mobile application support, and integration with social media platforms for event promotion.

REFERENCES

[1] M. P. P. Zaw, "Web-Based Event Management System (EMS)," *International Journal of Trend in Scientific Research and Development*, vol. 3, no. 4, pp. 1640–1643, 2019.
[2] J. Ogbiti and A. Jumai, "Design and Implementation of an Event Management System," Kasu Journal of Computer Science, vol. 1, no. 4, pp. 796–813, 2024.
[3] A. Raheem et al., "A Survey on Centralized Event Management System," Journal of Network Security and Data Mining, vol. 8, no. 3, 2025.
[4] A. Parab, M. Bhayade, and A. Vaity, "EventPro – Application for Events," International Journal for Research in Applied Science and Engineering Technology, 2024.
[5] C. Snehalatha and S. Chitra Nayagam, "Event Management System," International Journal of Engineering Research and Science & Technology, vol. 21, no. 2, 2025.
[6] A. Chaturvedi, K. Sharma, A. Dua, and A. Gupta, "CU-Events: A Comprehensive Event Management System for University," International Journal for Research in Applied Science and Engineering Technology, 2024.
[7] M. V. Bramhe et al., "Online Event Management System: A Critical Review of Research Findings and Methodologies," International Journal of Innovations in Engineering and Science, 2025.
[8] D. Bansod et al., "An Analysis of Automation in Event Management: A PHP and MySQL-Based Solution," International Journal of Advanced Research in Computer and Communication Engineering, 2025.
[9] M. J. Q. Mayan-Ao et al., "Development of Events Management System," International Journal of Engineering Research & Technology, vol. 14, no. 12, 2025.
[10] D. M. Deepa et al., "College Event Management System," International Journal of Scientific Innovation and Engineering, 2025.

©IJRASET: All Rights are Reserved | SJ Impact Factor 7.538 | ISRA Journal Impact Factor 7.894 |



10.22214/IJRASET

45.98

IMPACT FACTOR: 7.129

IMPACT FACTOR: 7.429

INTERNATIONAL JOURNAL FOR RESEARCH

IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY

Call : 08813907089 (24*7 Support on Whatsapp)