

Centralized Intelligent Campus Event Engagement System

Akshiya M¹, Nivetha B², Yunitha A³

¹Department of Computer Science and Business Systems, Jeppiaar Institute of Technology

²Department of Computer Science and Business Systems, Jeppiaar Institute of Technology

³Department of Computer Science and Business Systems, Jeppiaar Institute of Technology

Abstract - Campus events such as workshops, seminars, and cultural activities play an important role in student development by enhancing technical and interpersonal skills. However, existing methods of sharing event information—such as WhatsApp, emails, and notice boards—are unorganized and lead to information overload, causing students to miss important opportunities. To address this issue, a Centralized Intelligent Campus Event Engagement System is proposed as a web-based platform that consolidates all event details into a single, structured interface. The system allows organizers to submit events for admin verification and enables students to view, search, and filter events while receiving timely notifications. This approach improves communication efficiency, ensures data authenticity, and significantly enhances student participation and engagement.

Key Words: campus events, centralized system, web application, student engagement, event management

1. INTRODUCTION

1.1 General

In today's digital era, communication plays a vital role in academic environments. Educational institutions frequently organize events such as workshops, seminars, hackathons, cultural programs, and sports activities. These events help students develop skills beyond classroom learning.

However, the current communication system is inefficient and unorganized. Students depend on multiple sources such as messaging applications, emails, and notice boards. Due to the large volume of information, important details are often missed, leading to reduced participation.

The proposed system introduces a centralized platform that collects, verifies, and organizes event information, ensuring students receive accurate and timely updates.

1.2 Scope of the Project

This project focuses on developing a web-based platform to simplify event management within a campus. It provides a unified interface for students, faculty, and organizers.

Event organizers can submit details, which are verified by an administrator before publishing. The system supports features like event viewing, searching, filtering, and notifications.

Future enhancements include mobile app development, ERP integration, and AI-based personalized recommendations.

2. Body of Paper

2.1 Existing System

The current system relies on WhatsApp, emails, notice boards, and posters. While these are accessible, they lack proper organization.

WhatsApp leads to message overload, emails are often ignored, and notice boards have limited reach. Overall, the system is inefficient and unreliable.

2.2 Limitations of Existing System

- Information overload
- Lack of structured organization
- No verification of event details
- Missed deadlines
- No personalization
- No tracking of participation

2.3 Proposed System

The proposed system provides a centralized platform for event management. Organizers submit event details, which are verified by an admin before publishing.

Students can view, search, and filter events easily. The system sends notifications for deadlines and removes expired events automatically.

This improves accessibility, reduces confusion, and increases participation.

Table -1: Sample Table format

Table 1: System Features and Description

| Feature | Description | Purpose |
|-----------------------|---|--------------------------|
| Event Submission | Organizers submit event details for approval. | Ensure authenticity |
| Admin Verification | Administrator reviews and approves events. | Verify information |
| Event Search & Filter | Students can search and filter events by category and date. | Easy event access |
| Notification System | Send reminders for upcoming events. | Timely alerts |
| Responsive Design | Accessible across multiple devices. | Cross-platform usability |
| Automated Expiry | Remove past events automatically. | Maintain relevance |

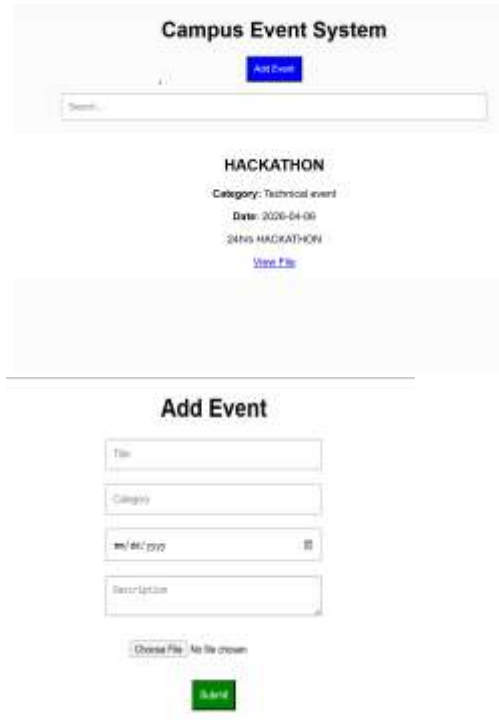


Fig -1,2: Sample output

3. CONCLUSIONS

The Centralized Intelligent Campus Event Engagement System effectively addresses the limitations of existing communication methods. By providing a structured and verified platform, it ensures that students receive accurate and timely information.

The system enhances student engagement, reduces information gaps, and improves participation. It also lays a foundation for future advancements such as AI-based recommendations and mobile integration.

ACKNOWLEDGEMENT

The authors would like to express their sincere gratitude to the faculty and institution for their guidance and support in completing this project.



REFERENCES

1. Laudon, K.C., Laudon, J.P.: Management Information Systems: Managing the Digital Firm. Pearson Education, New York (2016)
2. Turban, E., Pollard, C., Wood, G.: Information Technology for Management. Wiley, Hoboken (2018)
3. Sommerville, I.: Software Engineering. 10th edn. Pearson Education, London (2016)
4. Deitel, P., Deitel, H.: Internet and World Wide Web: How to Program. Pearson, Boston (2012)