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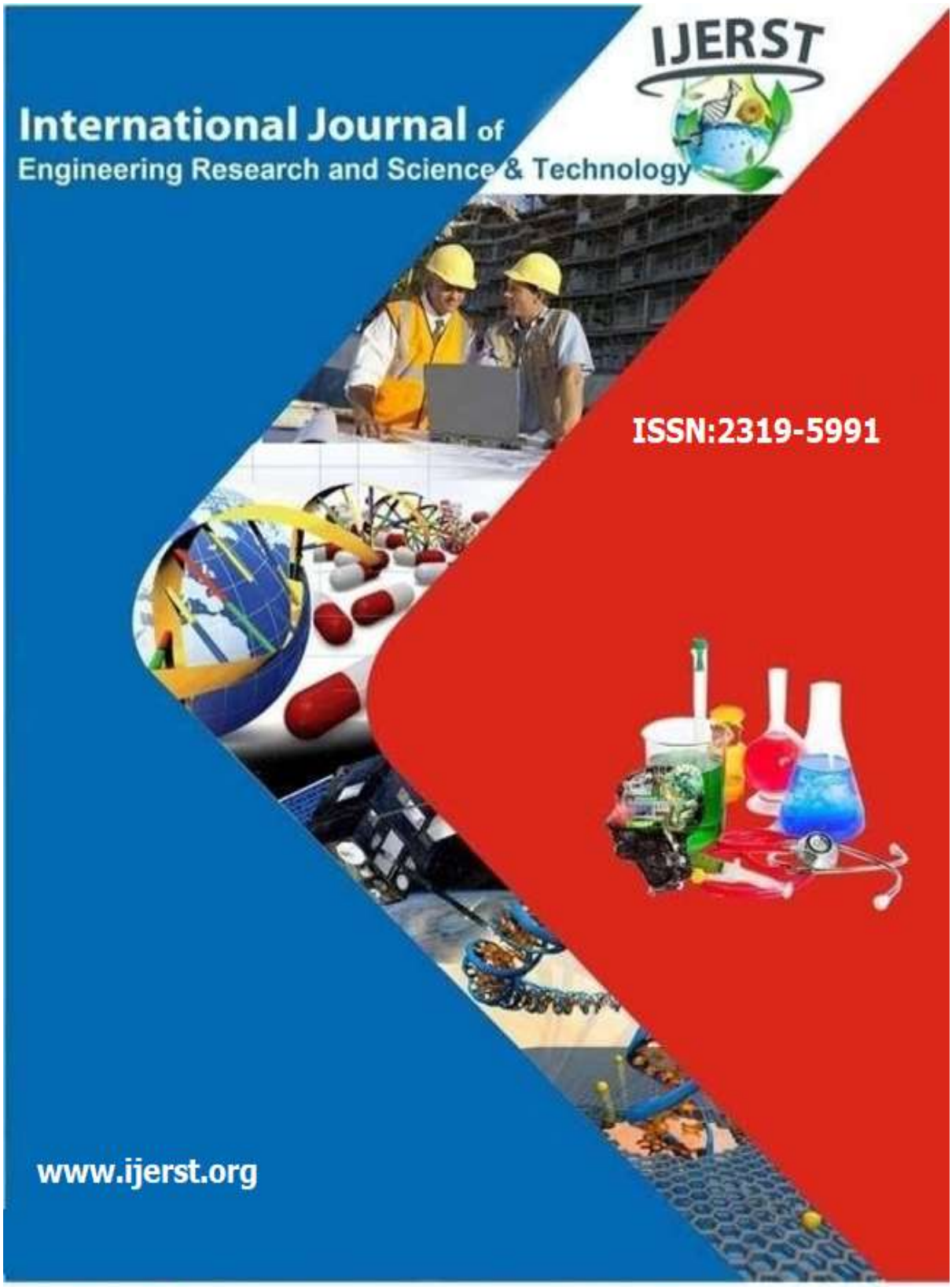

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EVENT MANAGEMENT SYSTEM

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ABSTRACT

Online Event Management is a web-based system designed to streamline the process of managing and accessing information related to events, faculty, and students within a college environment. In traditional settings, event information is often scattered across notice boards, emails, or word of mouth, leading to communication gaps and inefficient management. This application eliminates such issues by offering a centralized platform where all event-related information is stored and can be easily accessed. The admin holds the responsibility to update the portal with details about events, faculty members, and students. Faculty members can then log in to view student lists, event details, and other important announcements. Students, on the other hand, can check HOD messages, event schedules, and participation details in real-time. This system saves significant time for both students and faculty by removing the dependency on physical notices and personal communication. Notifications regarding events are updated instantly, ensuring everyone remains informed. The platform is user-friendly, intuitive, and requires minimal training to operate. Key features include event announcements, student information management, faculty information management, and Management tracking for events. By moving operations online, the system promotes digital literacy, enhances the efficiency of college operations, and provides an organized repository of past event records. It also supports better decision-making for faculty by offering accessible data insights. Security measures are incorporated to ensure data privacy. Overall, this system bridges the communication gap and introduces a faster, transparent, and effective event management system within the college environment, making event participation and management a seamless experience.

I. INTRODUCTION

Event management is a crucial part of a college's extracurricular ecosystem. In conventional methods, event information is disseminated through physical notices, classroom announcements, or informal communication, making the process inefficient and prone to errors. Miscommunication often leads to a lack of participation, missed deadlines, and logistical challenges. The need for a centralized online platform became evident with the growing number of events and students in colleges.

The **Online Event Management** system aims to bridge this gap by providing a digital

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medium to manage event-related activities efficiently. This application allows administrators to add, update, and manage information regarding faculty, students, and all events organized in the college. Faculty members can log in and view event schedules, student participation, and even communicate with the students regarding event guidelines. Students benefit by accessing detailed information about events, messages from the HOD, and updates about their registrations.

A key feature is event Management tracking, which helps in maintaining a record of students' participation in various activities. This system supports the growing need for digitization in educational institutions and significantly reduces manual work.

In the system, the admin plays a vital role in inserting and managing data. Proper authentication mechanisms ensure that only authorized personnel can access sensitive sections of the application. Faculty members, after authentication, can view student data and event records, making it easier to prepare reports or verify participation.

The interface is designed to be simple yet effective, catering to users with minimal technical knowledge. Students can simply log in and immediately view relevant announcements and events. Important features like event filters, search functionality, notifications, and student-specific event tracking are integrated.

In addition to basic features, the system is scalable to accommodate future enhancements like sending SMS alerts, generating automatic participation certificates, or integrating payment gateways for paid events.

Furthermore, by offering a digital alternative, the system saves resources like paper and ink, making it an environmentally friendly solution. It aligns with modern educational initiatives focusing on the integration of technology in daily operations.

The **Online Event Management** system offers real-time updates, thus eliminating any lag in communication and making information dissemination faster and more reliable. Data security practices ensure that student and faculty information is protected against unauthorized access.

In a world increasingly moving towards automation, systems like these provide a necessary digital transformation, encouraging both students and faculty to adapt to and embrace technology. By implementing such a system, colleges can foster better engagement, improved organization, and a higher participation rate in extracurricular activities.

1.1 OBJECTIVE

The primary objective is to design a centralized web application for managing college event data. It aims to automate event Management tracking and student participation management. The system seeks to improve communication between students, faculty, and administration. It will ensure real-time updates and secure data storage. Ultimately, it will make college event management efficient and transparent.

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1.2 PROJECT PURPOSE

The traditional methods of disseminating event information are inefficient and error-prone. There is no centralized system for managing event Management and communication. Students often miss important event updates. Faculty members face difficulty maintaining accurate Management records. A digital solution is necessary to improve efficiency, accuracy, and communication.

II. LITERATURE SURVEY

Smart Management System Using QR Code (2021):

This paper proposed a QR code-based Management system where students scan a QR code generated during events to mark their Management. The methodology used involves web integration with mobile scanning technologies, reducing manual errors and speeding up Management-taking processes.

Event Management System Using Web Technologies (2020):

The study focused on developing a web portal using PHP and MySQL that allows administrators to manage college events, student registrations, and Management tracking. It simplified the process of organizing events and provided an easy interface for students to stay informed.

Online Student Management System (2019):

This research introduced an RFID-based solution for Management where students tap their RFID cards at event locations. The system automatically records Management into a centralized database, minimizing the need for manual recording and errors.

Smart Event Management Portal for Educational Institutions (2022):

A mobile app was developed in this paper to allow students to view upcoming events, register themselves, and receive real-time notifications. The methodology focused on Android app development with a backend server to store event and registration data.

Web-Based Notification System for Universities (2018):

This paper discussed building a web-based notification system where university staff could push event-related notifications to students' dashboards and emails. PHP and MySQL were used for development, improving communication between the institution and students.

Facial Recognition Management System for Events (2021):

This paper explored the use of Convolutional Neural Networks (CNN) for facial recognition during college events. Students' faces were detected and recognized automatically, ensuring a contactless and efficient Management process using deep learning techniques.

College Event Management with Real-Time Analytics (2019):

The researchers introduced a system that not only managed events but also provided real-time analytics on student participation, event popularity, and feedback collection. Data analytics techniques were employed to improve future event planning and student engagement strategies.

Web Portal for Institutional Event Coordination (2020):

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In this research, a centralized web portal was created using the Django MVC framework. It allowed institutional event planning, Management tracking, notification sending, and report generation through a unified platform, helping streamline event-related tasks efficiently.

III. SYSTEM ANALYSIS & DESIGN

In the existing system, event announcements and student participation are primarily managed through offline methods such as notice boards, classroom announcements, and word-of-mouth communication. Management is manually recorded during events. Information about faculty or upcoming activities is often decentralized and inconsistent. Students may miss important updates due to the non-digital approach. Faculty members face difficulties managing student data for events. Tracking past events and Management records is tedious. Record maintenance requires physical storage and paperwork. Miscommunication and lack of real-time updates are common. Overall, the system lacks efficiency, transparency, and digital accessibility.

Disadvantages

1. Inefficient Communication: Important event details may not reach all students in time.
2. Manual Errors: Manual Management and record-keeping are prone to mistakes.
3. Data Loss: Physical records can be misplaced, lost, or damaged.
4. Time-Consuming: Updating students and faculty manually consumes considerable time.
5. Lack of Accessibility: Students and faculty cannot access information anytime, anywhere.

PROPOSED SYSTEM

The proposed system offers a centralized online platform to manage event, faculty, and student data. Admins can easily update events and information. Faculty can view student and event details instantly. Students can access HOD messages and event notifications at any time. Management tracking and record-keeping are automated and error-free.

Advantages

1. Centralized Information: All data is stored and accessible from a single portal.
2. Real-Time Updates: Students and faculty receive instant notifications about events.
3. Automated Management: Reduces errors and saves time during event management.
4. Improved Accessibility: Information can be accessed anytime using the internet.
5. Efficient Administration: Simplifies the workload of college management and faculty.

SYSTEM ARCHITECTURE

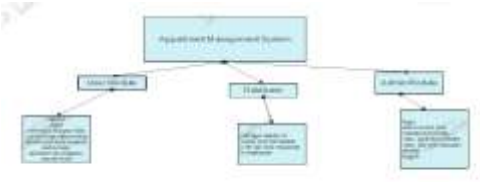

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Fig .1 System Architecture

IV. IMPLEMENTATION

MODULE DESCRIPTION:

Admin:

Admin need to get login with a valid username and password. Admin can view details of students and can activate students. Admin can add HOD details. Admin can add Admin can add details of event and view all the details of the event.

HOD:

HOD can get login with a valid username and password allocated by admin. HOD can view student's details and view event Management information.

Student:

Students need to get registered with the application by entering all the details in registration form. Student can get login with a valid username and password. Student can view his profile. Student can view event Management details.

V. SCREENSHOTS

Home:

Admin login:

Admin home:

View student:

Add hod:

Add event:

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View event:

View student:

Hod login:

Student registration:

Hod home:

Student login:

View event:

Student home:

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View event:

VI. CONCLUSION AND FUTURE ENHANCEMENT

CONCLUSION

The Online Event Management system transforms the traditional event management process into a streamlined, efficient, and digital platform. It improves communication between the administration, faculty, and students. With its user-friendly interface, even users with minimal technical knowledge can operate it effectively. The system significantly reduces administrative burden and manual errors. It promotes better engagement and higher participation rates among students. Data is centralized, secured, and easily accessible. By digitizing event management, the college moves towards a smarter, technology-driven environment. The application enhances transparency, reliability, and operational efficiency. Thus, it plays a crucial role in modernizing educational administration and communication.

FUTURE ENHANCEMENT

Future upgrades can include SMS and email notifications for event updates. Integration of an automatic certificate generation system can be added. Payment gateways for paid events can be implemented. AI-based event recommendations can be introduced. Mobile application development for Android and iOS can further improve accessibility.

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