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Festagram : College Event Management System

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Abstract:- Festagram, an innovative application revolutionizing event management within educational institutions. Designed to empower teachers, Festagram streamlines the event organization process by enabling seamless event creation, comprehensive posting of event details, and effortless guest invitations. With a user-friendly interface, teachers can swiftly invite guests, receive feedback, and announce event winners. Emphasizing convenience for students, Festagram eliminates manual registration, allowing participation with a simple click on event posts. Furthermore, students can effortlessly submit feedback forms and stay updated on event outcomes, including winner announcements. Festagram emerges as a dynamic platform fostering seamless collaboration and engagement, enriching the collegiate event experience for all stakeholders.

Keywords:- *Registration, Event Post, Payment, Thank You Letter, Invitation Letter Through Mail, Feedback, Announce Winner.*

I. INTRODUCTION

In the dynamic and vibrant environment of higher education, organizing and managing events is a crucial aspect that contributes to the overall development and enrichment of students' experiences. Recognizing the significance of seamless event planning and execution, our college is proud to introduce the College Event Management System. It is a comprehensive and innovative platform designed to streamline the entire process of event management within the college community. Our College event management system is a web application using which the teachers can easily organize events, by creating events, updating the event schedules, and managing the participation of students. Students registered in the system will get information about all the current, upcoming and past events. Also Students will get personalized results for the events in which they enrolled. This system also helps teachers to add guests and invite them through email and take their feedback and evaluation reports on event completion. Student's feedbacks, their participation and attendance counts will eventually help to analyze the effective event organization of events in the college.

II. LITERATURE SURVEY

Many different researches have focused on the subject of Festagram – College Event Management System these works can be represented as following:

J. M. Raja Shanmugam et al., [1] Event Management System (EMS) on a web platform, aims to automate event-related tasks, minimize manual effort, and enhance security. The system's key components, including authentication, organizing, social media integration, and ticketing, are briefly summarized. By comparing the proposed method with existing research, the review highlights potential benefits and contributions to event management practices, while also identifying areas for further exploration. Overall, this condensed overview provides a comprehensive understanding of the EMS and its implications for event organization and execution.

Rishikesh Shekhar Arote et al., [2] College Event Management Android App, focusing on its significance in addressing the complexities of organizing college events. The methodology involves systematic steps such as requirements gathering, design, development, testing, deployment, and maintenance, with emphasis on agile methodologies to facilitate collaboration and flexibility. Analysis and modeling phases are highlighted as crucial for ensuring the app meets user needs and expectations, with visual representations aiding in design feedback and comprehensive documentation. Overall, the literature survey underscores the importance of the app in improving efficiency, promoting student engagement, and strengthening the sense of community on campus.

Asraf Ansari et al., [3] The College Event Web Application, serves as an online event management platform tailored for college events and conferences. This web-based system allows registered users to log in and new users to register, facilitating event management and related functionalities. The system's objectives include enhancing event organization efficiency, minimizing time spent on venue selection, ensuring user-friendliness, and managing multiple events seamlessly. The application's versatility extends to organizing school and community events, planning major events like festivals and conferences, and facilitating event budgeting, venue selection, and logistics. Developed using the waterfall model, the project prioritizes

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proper planning, design, and testing to achieve its goal of simplifying event management processes comprehensively.

Harika T et al., [4] College Event Management System, is a web-based application designed to streamline the management of college activities such as social and technical fests, sports events, workshops, and courses. The system aims to provide comprehensive event information, maintain student participation records, manage branch and sports details, and showcase college achievements. Key features include registration, login, event details management, department management, event timetable generation, and event performance graph generation. The system consists of two modules: student and administrator, each with specific functionalities. Overall, the system provides a user-friendly interface for students to access event information and for administrators to manage and update event data efficiently, potentially improving overall event management processes within the college.

III. PROPOSED METHODOLOGY

A. System Design

In the designed college event management system several components are implemented like user authentication for secure login of teachers, students, etc, registration for events of interest, user friendly graphic user interface(GUI), event creation for teachers, feedback and evaluation reports, participants list foreach event, etc.

➢ *Login System:-*

Login system includes the users who can log into the system with the registered credentials and perform further activity in the system.

- *Login as Admin:-*

Admin can log into the system using already saved credentials and perform the desired admin activities.

- *Login as Teacher:-*

Teachers first have to register themselves on the system to become part of the college event management system.This whole process will be done through this single system and all the data of the event, its participant's and their attendance, guest and students feedback will be stored in the database.

- *Login as Student:-*

Student's of all the departments of college have to register themselves in the college event management system using an ERP number which is specific to each student. This Information Will Be saved for next time login in the database. Students will receive the login credentials through SMS on the registered mobile number.

➢ *Admin Activities:-*

- User Management: Admins can manage user accounts, including creating, updating and deleting accounts.
- Event Management: Admin has the ability to create, edit, or delete events. They can also view event details, such as attendance numbers and feedback
- System Configuration:-Admin can configure system settings.

➢ *Teacher Activities*

Upon successfully logging in with teacher credentials, access is granted to various features including viewing all events, adding new events, adding guests, sending invitations via email, marking events as completed, downloading participant lists, viewing all students, and logging out. Additional functionalities involve announcing conferences, adding winners, and drafting thank-you letters to guests. All these features streamline event management and communication, offering a comprehensive platform for organizing and coordinating various educational activities seamlessly.

➢ *Student Activities:-*

The student through registration facilitates viewing their profile, monitoring their module, exploring all events, enrolling in the event, processing payments, and managing enrollments. They can also view winners, guests, provide event feedback, and track upcoming events. This streamlined interface enables students to seamlessly engage with events, payments, and feedback processes, enhancing their overall experience and participation.

B. Database Design

In our system we have used MySQL and XAMPP server technology, to make sure that our database is fully well designed. All the file names labeled to the tables within the database attempt to reflect the table's purpose in the system and therefore, contribute to a well- designed system. The minimal step in the design was to decide according to the requirements and specifications of the project, which tables should be created, and what kind of information each one should hold.

IV. SOFTWARE REQUIREMENT

Web Browser	: IE8.0/Chrome or Above.
OS	: Windows 07 and above
Software	: Eclipse, Xampp, Apache Tomcat.
Frontend	: CSS, HTML, JAVASCRIPT.
BackEnd	: MySQL

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V. PROPOSED SYSTEM DESIGN

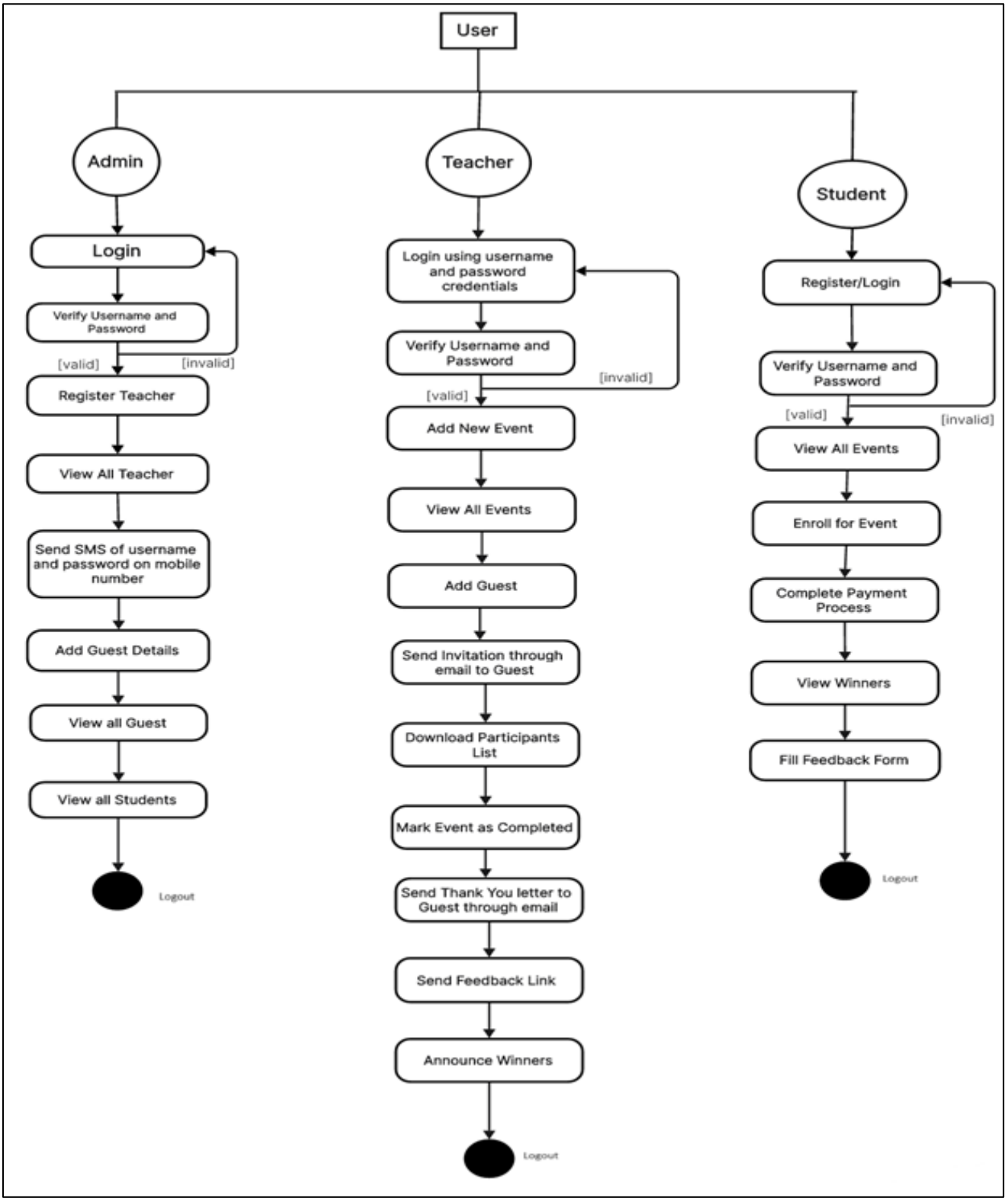

Fig. 1.System Design

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VI. IMPLEMENTATION AND RESULT

The implementation of a college event management system entails a systematic process encompassing requirement analysis, system design, development, testing, deployment, training, and ongoing maintenance. Through this endeavor, the college aims to streamline event organization, enhance participation, improve communication, and facilitate data-driven decision-making. Upon successful implementation, the system is anticipated to offer a more efficient platform for organizing events, leading to increased engagement and a vibrant campus atmosphere. By leveraging technology to centralize event management processes, the college endeavors to enrich the campus experience for students, faculty, and staff alike, fostering a stronger sense of community and facilitating seamless event coordination and participation.

➢ *Outputs*

Fig 2: Home Page

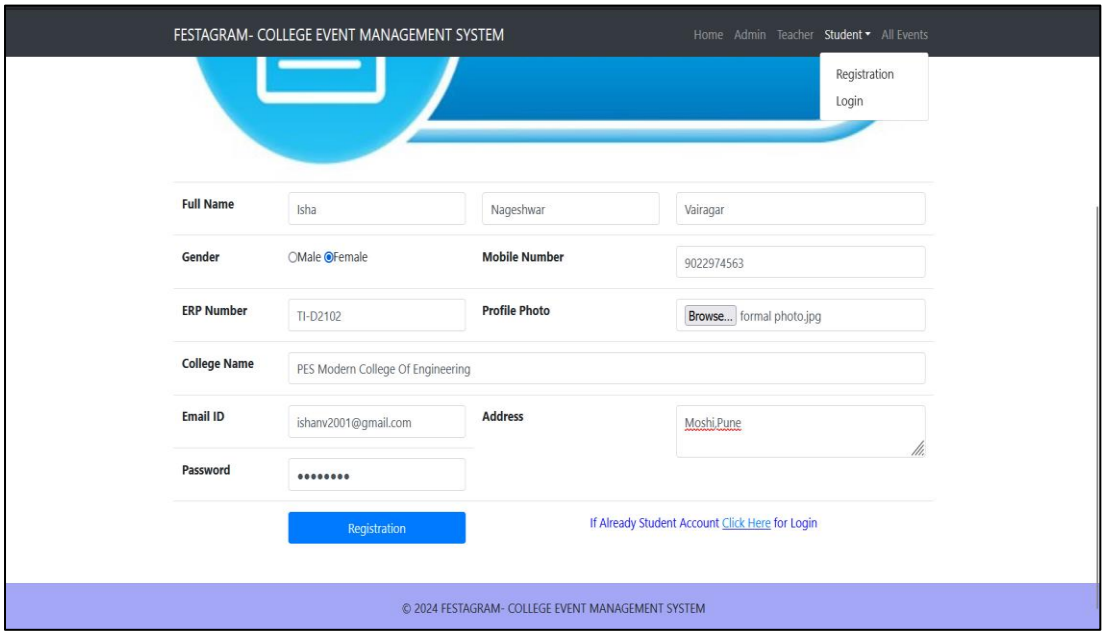

Fig. 3: Student Registration

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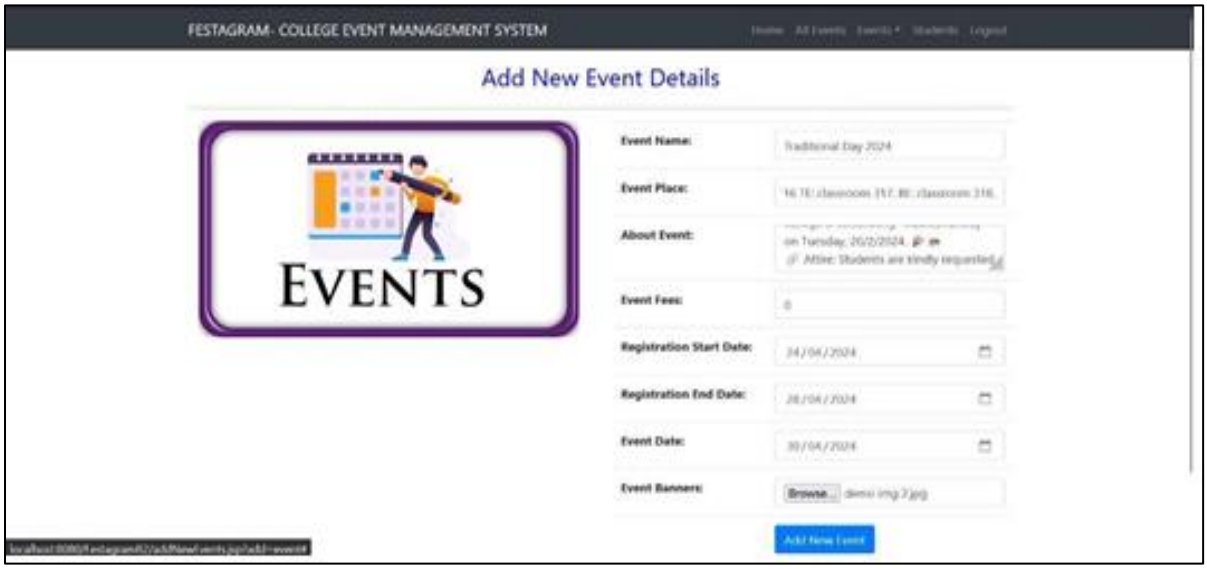

Fig 4: Add New Event Details

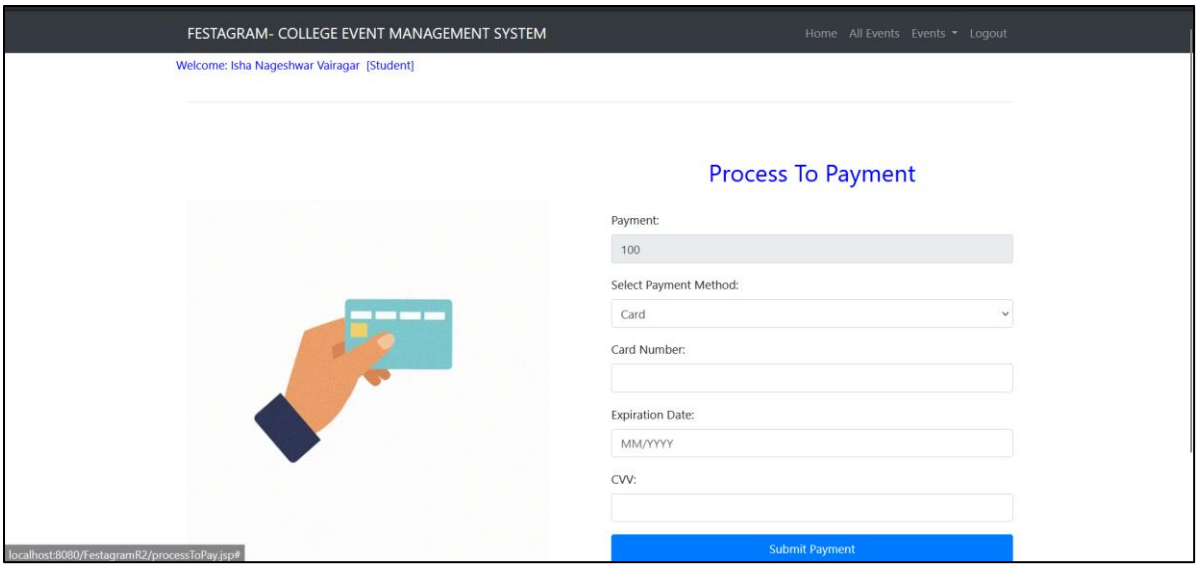

Fig 5: Payment Gateway

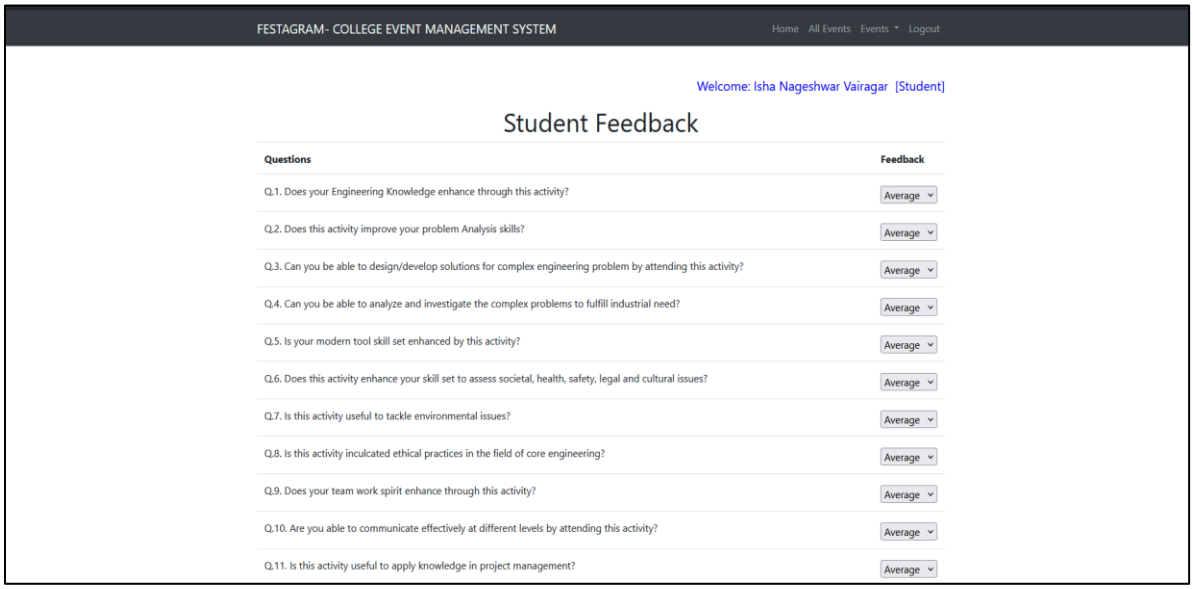

Fig. 6: Feedback Form

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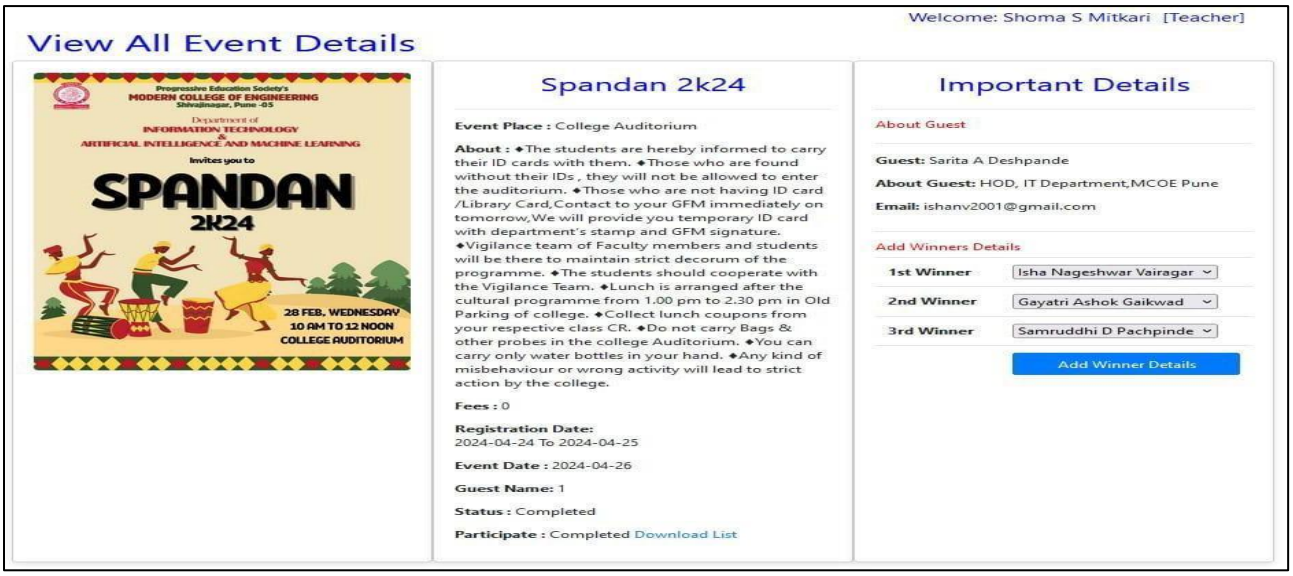

Fig. 7: View All Event Details

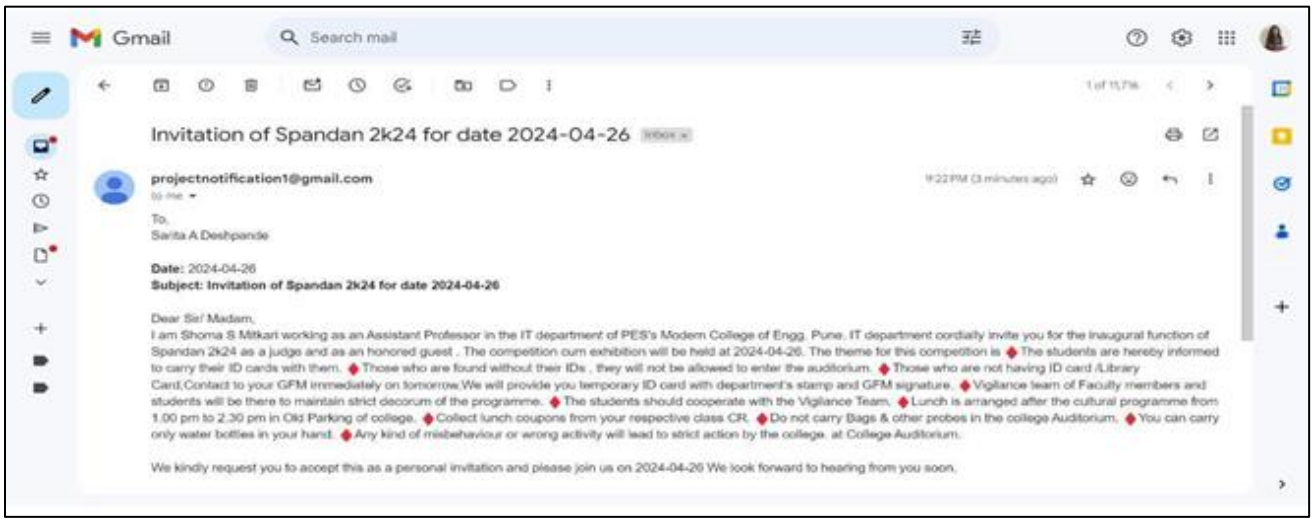

Fig.8: Invitation Letter Through Mail

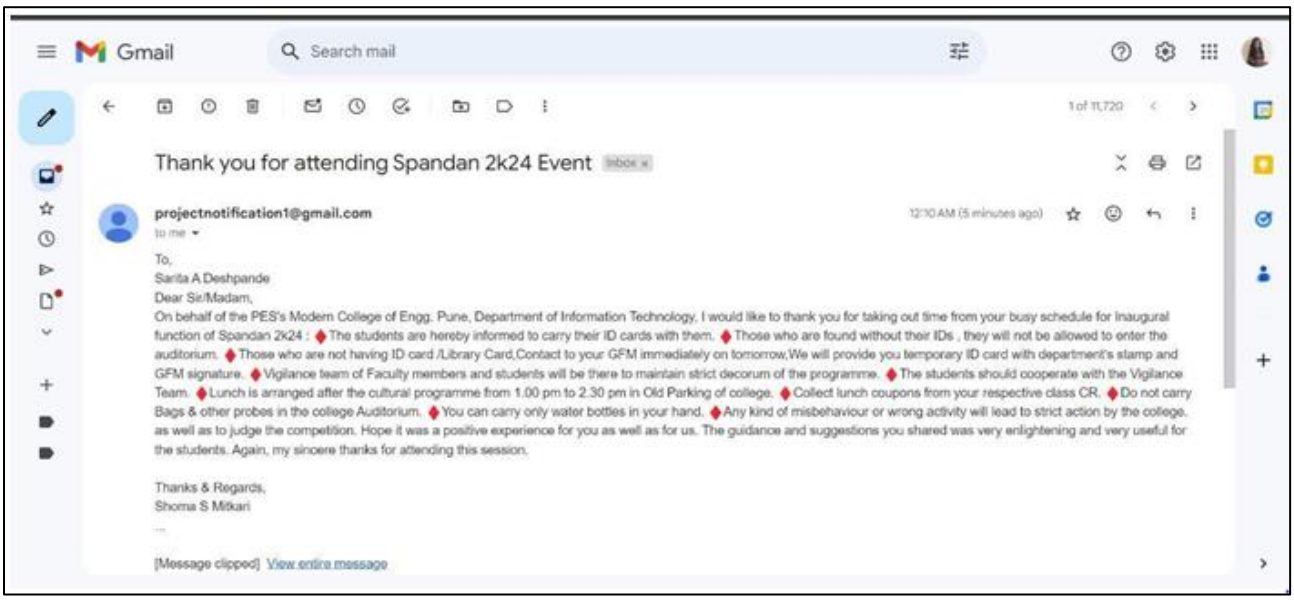

Fig. 9: Thank You Letter Through Mail

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VII. CONCLUSION AND FUTURE WORK

➢ *Conclusion*

The College Event Management System has been a great success in streamlining the process of organizing events within our college. The system has provided a user-friendly platform for students and faculty members to create, manage and track events. This has led to an increase in the number of successful events being organized on campus. Through the use of this system, we have been able to save time and resources that were previously wasted on manual planning and coordination. Overall, the College Event Management System has proved to be a valuable addition to our college and we look forward to its continued use in the future.

➢ *Future Scope*

The future scope for the college event management system is vast and exciting. With the advancement of technology, there are numerous prospects for enhancing the current system and making it more efficient and effective.

➢ *Some of the Potential Areas for Future Development are:*

- Use of Big Data Analytic for event trend analysis and prediction
- Integration with social media platforms to increase event visibility and participation. Enhanced security features to ensure safety of participants and attendee.

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