



# Eventify: College Event Organizer App

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**Abstract:** Eventify: College Event Organizer App is a comprehensive software platform designed to facilitate the organization, coordination, and execution of events within a college. It is an android application that allows you to remotely create, cancel, edit and manage college events. It mainly allows event organizers to add, remove or edit events and allows students to view all events that are organizing in college campus. The app allows registered users to see events that are recommend to them based on their interests. This app provides notification facility for keeping students informed about upcoming events, updates and reminders of events. To build this mobile application using Flutter is a great idea for proving efficient and user-friendly platform for managing events in a college.

**Keyword:** - *Coordination, notification, upcoming events, reminders, user-friendly platform*

## I. INTRODUCTION

Introducing Eventify, the ultimate app designed to simplify and streamline the process of organizing college events. Whether you're planning a small gathering or a large-scale celebration, Eventify offers a comprehensive suite of tools to help you create unforgettable experiences. This innovative tool is purpose-built to simplify and enhance event planning and management within academic institutions. It provides an intuitive interface for event organizers, students, and faculty to manage various aspects of events, including planning, registration, scheduling, and notifications. This application serves as a centralized platform for informing about college events and applying for them After registration, students may login to view event data such as name, contact information, address, event venue, date, event time, and so on in the application.

An event management software for college should have capabilities like event scheduling and calendar management, registration, advertising, and communication and engagement. Organizers may schedule events, create and share events, and set reminders for upcoming events. By providing a centralized platform for managing event dates, times, and locations, these features help organizers stay organized and avoid scheduling conflicts. Furthermore, calendar functions can be integrated with other features, such as guest lists and reminders, to ensure that all stakeholders are kept informed and up-to-date on event details. Additionally, a well-designed calendar can help organizers visualize the overall timeline of an event

Currently, Android is the highest used platform for applications in the world. By leveraging the power of mobile technology, event organizers can simplify various tasks, such as creating and managing participant lists, sending out notifications and reminders, collecting RSVPs, and tracking attendance. For a college, an android application would serve majority of the students. Additionally, Android apps can facilitate communication between event organizers and attendees, allowing for easy updates, announcements, and question-and-answer sessions.

## II. OBJECTIVE

The primary objective of college organizer app is to assist students to register quickly for all events remotely. This application performs much better than existing Android or web-based applications in terms of features, requirements of the students, technology, and interface element-placements used in the design, development, and usability of an application. The key benefits of this application are friendly interface to users, practicality, and ease of use.

The College Event Organization android application is an online event management web application that allows students to search for and register for a variety of events in college campus. The app allows registered students to see the events that are recommended to them based on their interests. All students have access to a list of their most recently viewed events. This android application allows new users to register. This online application will assist students in locating events based on interest and registering in the event of a connected issue. This mobile application provides the most basic tasks required for an event, such as a Techfest, a cooperative event, a webinar, a workshop, a conference, a seminar, & college festival, and so on.

## III. LITERATURE SURVEY

[1] Geerja Lavania, Neeraj Kumar, Vivek Arya, Meet Kumari, Neha Sharma, Pardeep Singh (2023) in their paper titled “A Novel Mobile App based College Event Management System” stated that online Event organization is an Android application that allows you to remotely create, cancel, edit and manage college events. It allows college administrators to add, remove or edit events and allows students to view all events available in college campus. It allows students to record and view all activities in this app through the app.

[2] Dr.J.R.V.Jeny, P.Sadhana, B.Jeevan Kumar, Leela Abhishekh, T.Sai Chander (2022) in their paper entitled “A Web based-College Event Management System and Notification Sender ” described that organizers will be alerted when student views or registers for the college event. The proposed system also allows students to select the date, time, and location. The Event Management System (EMS) is used to manage all facets of an event. The proposed research work has developed a web application to make it easier to attend and run college events.

[3] Praddumn Singh Hada, Yogesh Humar, Bhupen Singh, Prince Sarohal (2022) in their paper titled “AI based Event Management Web Application” states that the AI-Based Event Management web application is an online event management web application that allows users to search for and register for a variety of events in one place. The app allows registered users to see the events that are recommended to them based on their interests. All users have access to a list of their most recently viewed events.

[4] Lalitha V, Magesh K, Selvanarayann A, Keetheshwaran G (2022) in their titled “Online College Event-Hall Booking Reservation System” states this system has all the tools and capabilities required to effectively administer a venue. It has an administrator account that is used to manage and oversee all system operations.

[5] K.Sai Lakshmi, Ch.L.PSai Sudha , M.Divyanjali, Dr.M.Suneetha (2021) in their paper titled “Android Application on e-notifier for College Events Management using Firebase” describes that mobile application will act as a centralized platform for sending notifications for all events in a college. The existing framework utilizes website for posting notices, or through message platforms. This is exceptionally tedious interaction in tech era. The android application improves on this cycle by giving notifications to the students or concerned staff in college. This mobile application is simpler, quicker, secure and user friendly.

[6] Mansi Maurya, Saket Lokhande, Vinod Patil, Sanket Kedar, Prof.Mrs.Manisha Patil(2023) in their paper titled “Review on Event Management App for college” states that main aim is to develop an Android application that centralizes all event-related information or updates on a single platform. The app will facilitate event management by providing features such as event history, photo galleries, ongoing event notifications, attendance tracking, and feedback.

[7] Akansha Pansare, Athang Patil, Nikita Patil, Yatin Patil, Mrs.Aparna Bhonde(2023) in their paper titled “Smart College Event Management System using the MERN Stack” describes that it designed a new system after discovering shortcomings in the prior manual system that facilitate simple way to manage the college's Event functionalities. It is a centralized platform that links several departments of an institution, such as administration, staff, and students. This project will lead the proper events in managing and automating the platform's whole database in a college.

[8] Gaurav Thombare, Pavan Jadhav, Sachin Dhere, Prasad Jadhav, Dr.K.N.Honwadkar (2023) in their paper titled “College Event Management: A Survey of Analytics And Personalization” stated that purpose of application is to provide a user-friendly interface and efficient back-end functionality to streamline event planning and management within educational institutions. The system's front-end focuses on to simplify event registration process, information display, and enhancing student-admin engagement during an event.

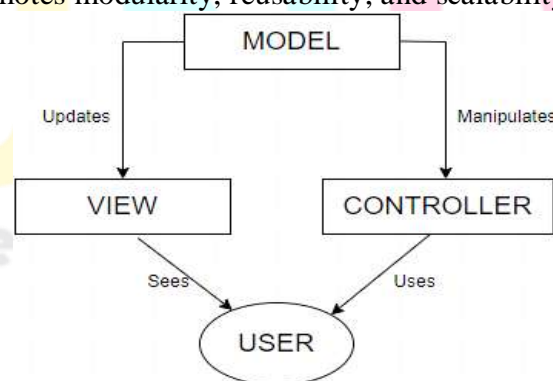
[9] Nitesh Shivnath Ray, Yash Sunil Jejurkar, Ravi Ramesh Pandey, Yogesh Liladhar Baviskar, Prof.V.B. Ohol in their paper titled “EManager College Event Management Android App” stated that the application will allow the event management team to upload detailed event information, including dates, times, locations, and descriptions, and make them visible to students through a dashboard. Additionally, the organization team can upload certificates and photos of events, which can be viewed by the students.

[10] Mrs.Prasanna Pabba, B.Viswadha, P.Srivani, P.Rajashree, S.Vinay Kumar in their paper titled “Mobile Application for College Event Management” describes that "VNR CONNECT" will help to override the problems prevailing in practicing the manual system of the application. This app helps the event organizers to organize the events in a much easier way. The organizers can add all the details of the events and open it for registrations in this app.

#### IV. Proposed Work

##### Model View Controller

MVC (Model-View-Controller) is a powerful architectural pattern that can significantly enhance the development and maintenance of college event management systems. By separating the application into three distinct components, MVC promotes modularity, reusability, and scalability



- Model: Manages data and business logic
- View: Handles layout and display
- Controller: Routes commands to the model and view parts

## Functional Requirements

**Functional requirements** in software development specify the system's intended behavior and the tasks it must perform to satisfy user needs. They outline the specific functions and capabilities the system should provide, such as input, processing, and output operations.

### **Admin**

- Login
- Create event
- View event
- Delete event
- Approve or reject event requests
- Send event notifications and updates
- Manage venue availability

### **User**

- Registration
- Update profile
- Browse events
- View registered events
- Receive Notifications
- Provide feedback
- Share event detail

## System Architecture

System architecture in a college event management system refers to the underlying structure and design that defines how the system components interact and function together. It encompasses the hardware, software, and data elements that work in harmony to support the system's objectives.

### **Key Components and Interactions:**

- 1. User Interface:**
  - Presents forms for user registration and login.
  - Handles user input and sends it to the backend.
- 2. Registration Service:**
  - Validates user input (e.g., email, password, name).
  - Creates a new user record in the Firebase database.
  - Sends a confirmation email or SMS.
- 3. Authentication Service:**
  - Verifies user credentials against the Firebase database.
  - Generates an authentication token if successful.
- 4. Firebase Database:**
  - Stores user data (e.g., email, password, name, preferences).



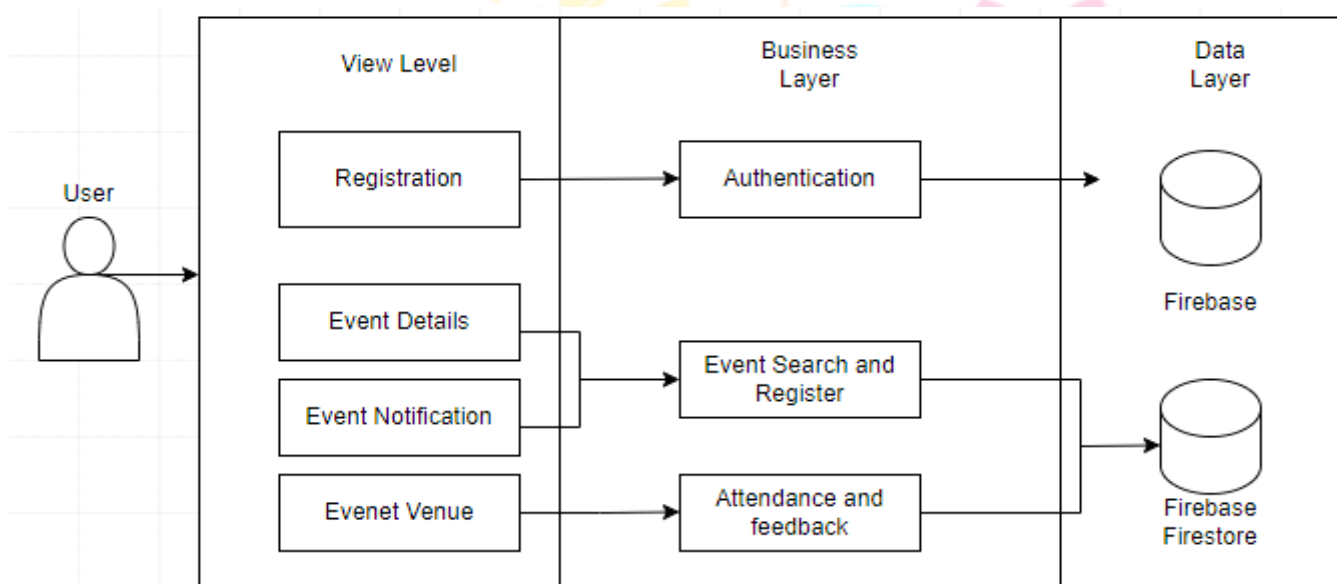
- Provides real-time updates to connected clients.

## V. METHODOLOGY

Eventify leverages the power of Flutter, a cross-platform UI framework, to create a visually appealing and intuitive mobile application college event organization. Flutter's ability to build native-like experiences for both iOS and Android platforms ensures a seamless user interface across devices which simplifies student interaction between organizers to the staff members.

To manage event data proficiently and securely, Eventify utilizes Firebase as its backend database. Firebase provides real-time database capabilities, allowing for instant updates and synchronization of event information across multiple participants as well as audiences about college events. This ensures that all stakeholders, from organizers to attendees, have access to the most current event details. Additionally, Firebase's authentication features help maintain data security and privacy.

The core components include:



- **Students:** The primary users of the application, interacting with the system to access various features.
- **Mobile App:** The user interface that provides a platform for students to engage with the system.
- **App Servers:** Backend components responsible for handling requests from the mobile app, processing data, and interacting with the database.
- **APIs:** Interfaces that define the communication protocols between the mobile app and the app servers, enabling data exchange and functionality.
- **Database:** A centralized repository for storing and managing student data, application settings, and other relevant information.

## VI. CONCLUSION

Eventify, the college event management system, has emerged as a powerful tool for rationalizing and enhancing college event organization. Its comprehensive features, from event creation and registration to resource allocation and post-event analysis, have made it an invaluable asset for students and staff alike. There is no paperwork in this proposed system. This project minimizes human effort by simplifying the interaction between admin and organizers. As it sends the notification every time when a new event is organized by admin/staff. So, that no students will miss the chance to participating in the events. As This application will be handled by the college organizers so there is no information leak and data will be secured.

The application system's ability to handle a wide range of tasks, from event creation and registration to resource allocation and post-event analysis, has made it a vital and invaluable tool for both students and staff involved in event organization. As the application continues to evolve and adapt to emerging technologies, it is expected to play an even more fundamental role in shaping the future of college events organization app.

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