



# COLLEGE EVENT MANAGEMENT SYSTEM USING WEB TECHNOLOGIES

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**Abstract:** In college multiple events are conducted and there is need to manage and store the information of various events. It is a challenging task to arrange all the teams and events manually. Traditionally all the information about the technical and non-technical events has been circulated among the students through notice board. Some students may not receive information and may miss the events. The coordinators may find difficult to pass the information and to manage registrations. The main aim of the project is to automate the college event management system with the help of full-fledged computer software by creating a website. The website will be reliable, secure and can store large number of records. The stored data will be easily accessible, available and can be manipulated. The technologies used in this project are HTML, CSS, JSP, Java, Servlets, MySQL, Tomcat. If any information was to be found it was required to go through the different registers, documents there would never exist anything like report generation. There would be unnecessary consumption of time while entering records and retrieving records. One more problem was that it was very difficult to find errors while entering the records. Once the records were entered it was very difficult to update these records. The reason behind it is that there is a lot of information to be maintained. For this reason, we have provided various features in our proposed system that is partially automated.

**Keywords:** Admin, Branch, Coordinator, Database, Events, HTML, Java, JavaScript, Registration, Servlets, Tomcat.

## I. INTRODUCTION

This website has been developed to reduce the manual efforts so that the event organizers and the coordinators can focus on the events rather than maintaining the records. This system has been designed to provide interactivity between the users to know about the events that are taking place in the college. This project was developed in order to avoid the errors as much as possible while entering the data. It also provides error message

while entering invalid data. No formal knowledge is required for the user to use this system. The main purpose of the project is to handle each event by providing a web interface for admin, coordinator and students. The admin allows the coordinators to conduct an event so that addition of an event and the details are uploaded. It also provides the restriction on registration according to the branches. Our website allows the students to pay and register for the events they are interested in and this data will be regularly stored in the database. The details of winners of the events are sent to students through mails by the admin. Participation certificates are also provided through the online mode. The event advertisement will be displayed on the home page. The system can be automated with the help of computerized equipment and full-fledged computer software, fulfilling their requirements, so that the valuable data or information can be stored for a longer period with easy accessing and manipulation of the data. This project basically describes how to manage for good performance and better services for the users.

## II. LITERATURE SURVEY

This paper mainly focuses on developing the online event booking website for hotels, clubs for booking places. It provides the basic functionality required for an event. But the main limitation is it doesn't support on adding an event as stated by Amir Saleem review paper on event management system journal of Computer Science and Information Technology [1].

In this paper for every event an individual website is created separately. The students had the only option to get register and there is no payment facility. Here the student will create a website for an individual event, when the higher authority approves. Stated by toward a generic event management system for academic [2].

This paper focuses on the developing an online website which covers all the details of a college i.e., student attendance details, event details and photo gallery. All the records are stored in the database.

There is a burden on admin for creating the events in the site as there are no coordinators for organizing the events [3]. The old manual system was suffering from a series of drawbacks. Since whole of the system was to be maintained with the process of keeping, maintaining and retrieving the information was very tedious and lengthy. The records were never used to be in a systematic order. There used to be lots of difficulties in associating any particular transaction with a particular context.

### III. PROPOSED SYSTEM

The main objective of the project on College Event Management System is to manage the details of College Events, Students, Registration. The project was built totally at the administration end and thus the administrator is guaranteed to provide the access for Coordinators.

The College Event Management System has three active actors and one database system. The Admin, Coordinator and Student access the website. Admin is in charge of website maintenance and Coordinator is responsible for providing data about the events. Students get registered to the event.

The characteristics of our proposed system are:

1. The website should provide the user to view the ongoing events easily.
2. It provides login for three different types of users i.e., Admin, Coordinator and Student.

3. It shows the information of the events and sub-events happening along with the images, video clippings and the venue details.
4. The user can pay and register to the interested events through website.
5. The website should provide the details of the events like venue, cost.
6. We can send certificates to the winners of the competitions through website.
7. It deals with monitoring of the information and transactions of registered students for the events.
8. The status of the Coordinators is shown to the Admin i.e., whether the access is accepted or declined.
9. Admin can filter student details, event details through sorting option.
10. It provides the searching facilities based on various factors such as department, events, sub-events, branch.
11. Admin can generate graphs about information like number of students registered for an event.
12. Editing, adding and updating of records can be improved which results in proper resource management of college data.
13. Coordinator and students can send FAQs to admin and admin can answer to those FAQs.

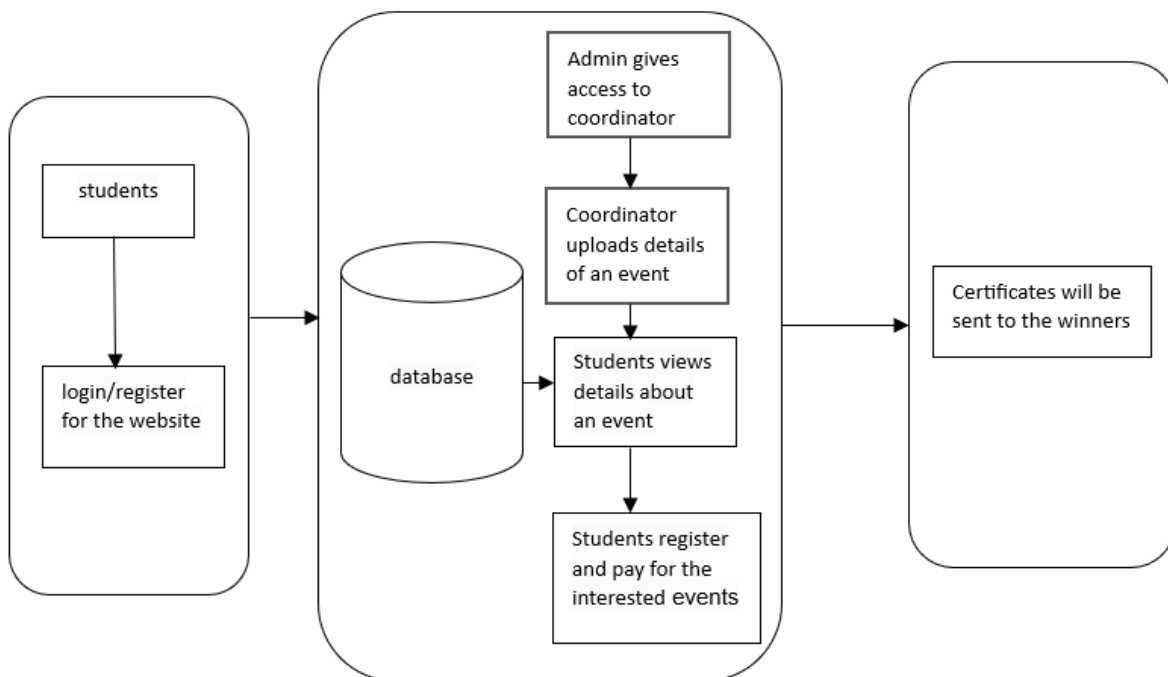


Figure 1: Proposed System of College Event Management System

#### IV. IMPLEMENTATION

14. Coordinator enables branch wise restriction for registration to an event by the students.
15. The user can change the password after logging the system and can view or change the details.

Admin consists of features like view Coordinators, View Students, Search option, Send mail, Coordinator FAQ, Student FAQ and Graph generation. He can accept or decline the access to the Coordinator. All the information about the registered students will be known and can be visualized through graphs. Searching and sorting filters can also be applicable to view the information about the students. Admin can respond to the questions of the Coordinators as well as the students. Admin can send certificate to the winners through mail.

Coordinator consists of features like Upload event, View users, Update profile, Registered students and FAQ. The Coordinator can upload the details of an event like club name, events happening along with images and videos. All the information about the registered students can be known. The Coordinator can update profile details at any time and can also ask queries to the admin. The Coordinator will be able to restrict the registrations based on the eligibility criteria according to the branch.

Student consists of features like Update profile, View events, View notifications and FAQ. The student can update the profile details and can view the events uploaded by the Coordinator. Student can pay and register to the events they are eligible for. The participation certificate will be received through mail and can ask queries to the admin.

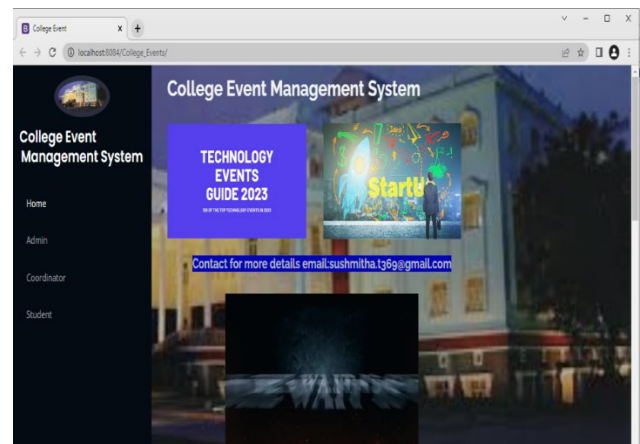
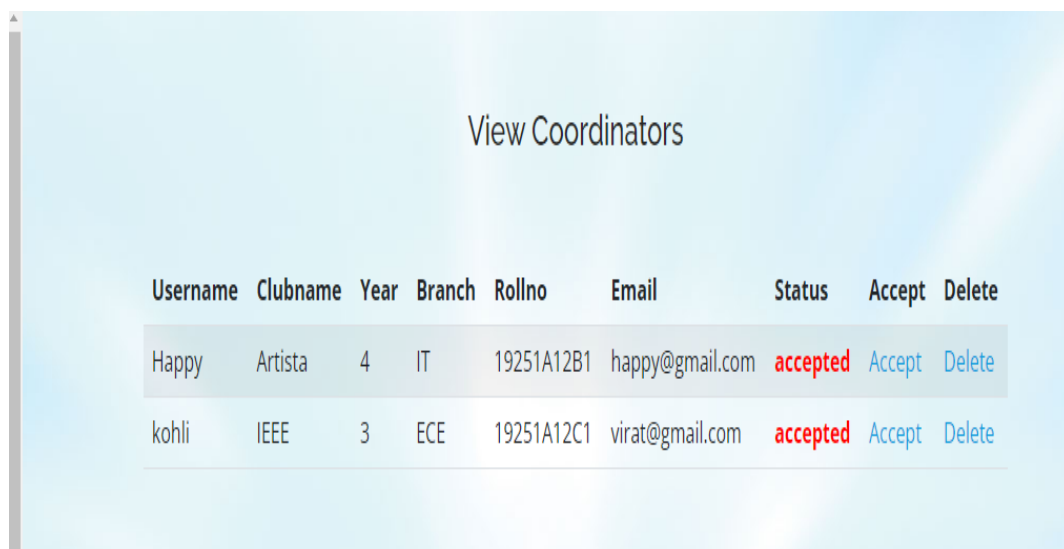


Figure 2: Home page

College Event Management System web app is an online event management software project that works for the functionality of an event manager. The system allows a registered user login and a new user is allowed to register in the application. The list of events that are to be conducted are displayed on the screen. Advertising about the event can be done through the video clipping on the home page. Various images of the event are shown on the home page and Coordinator details corresponding to the event are shared as contact.

The Coordinator can login to the website if he is an existing user else he can sign up. Then a request will be sent to the admin. The Admin can now accept or decline the request. On acceptance the coordinator can login to the site and can upload the details of technical and non-technical events that are happening in the college.



Username	Clubname	Year	Branch	Rollno	Email	Status	Accept	Delete
Happy	Artista	4	IT	19251A12B1	happy@gmail.com	accepted	Accept	Delete
kohli	IEEE	3	ECE	19251A12C1	virat@gmail.com	accepted	Accept	Delete

Figure 3: Admin viewing the status of Coordinators

The student can login to the website if he is an existing user else he can sign up. All the related events can be viewed and can pay and register to the events they are interested and eligible for. FAQs can be asked by the students and the

Coordinators to the Admin and can also receive the reply to the questions they have asked for.

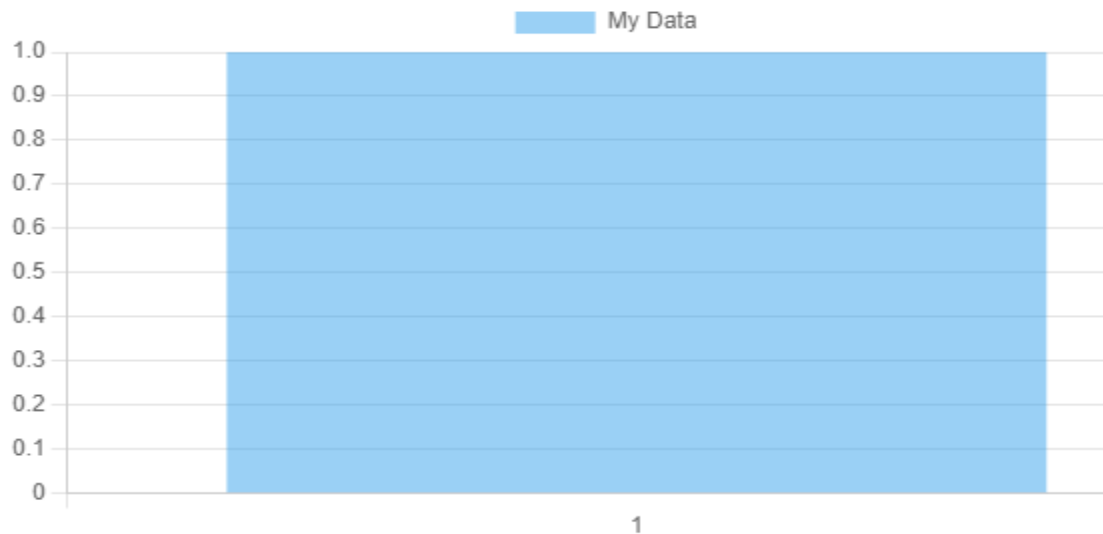


Figure 4: Visualization using graphs

All the information related to the registered students will be available to the admin and the coordinators. Admin can visualize the information through graphs and also can apply searching and sorting for better understanding. After the completion of an event certificates are sent to the winners through mails by Admin. The records of the Coordinators are removed from the database by the Admin if they are no longer required.

#### V. CONCLUSION

Our website has an ability to manage all the events being conducted and provides the details of all the technical and non-technical events where the student can register. The user can update or change his details at any point of time. The existing user can login through the site and the new user can register with the mail id, roll number, branch and year. Through this project events can be easily organized through online. So that all the students can get the information about the events and can register through the website accordingly. It reduces manual effort for the coordinators and provides an easy way to create the college events using this website. We described the requirement specifications of the system and the actions that can be done on these things. We understood the problem domain and produced a model of the system which describes the operations that can be performed on the system. We included features and operations in detail, including screen layouts. We designed user interface and security issues related to the system. Finally, the system is implemented and tested according to the test cases.

#### VI. FUTURE SCOPE

Future scope of this website can be enhanced by inviting the students to the related WhatsApp groups at the time of registration and extension of this website which can handle multiple college events. The excel export has not been developed for College Event management System due to some criticality. The backup mechanism for taking backup of codebase and database on regular basis on different servers can also be implemented. The above-mentioned points are the enhancements which can be done to increase the applicability and usage of this project.

#### VII. REFERENCES

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