

Automatic Event Integrated System Based on User Profile

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Abstract— Event Integrated System is a platform where students can post events and workshops of their colleges as like they post news feed in other social media platforms. With the help of this system, students of different colleges will be aware of different college activities that are happening in their locality. The major advantage of this web portal is that we do not have to spend time on promotion of events. All the hectic work related to promotion of particular events is performed online. Many a times, we see that there are clash of events of different colleges on the same date. With the help of this system, this problem can be eliminated up to a higher extent and this will increase the overall participation in a particular event of a college. The technology that is used to build this system is Node.js and the database used is MongoDB.

Keywords— Events, workshops, K-means algorithm

I. INTRODUCTION

Many engineering colleges conduct various events and workshops in their Technical and Cultural Festivals. These events are generally open for all but, there are times that these events go unnoticed due to lack in promotion and connectivity between various engineering enthusiasts.

Students also spend a significant amount on posters and travelling for verbal face to face communication but still cannot cover the entire city and it is hard for them to broadcast the event globally. To eliminate this grunt work and establish an informative environment among engineering students we decided to cast a system that connects adjoining engineering colleges so that the students would be updated with all the events in place.

Event Integrated System is a web portal through which we can post events and workshops of different colleges. With the help of this system, students will be aware of different curricular activities that are happening on their locality. Many engineering colleges conduct various events and workshops in their Technical and Cultural Festivals. These events are generally open for all but, there are times that these events go unnoticed due to lack in promotion and connectivity between various engineering enthusiasts. Students also spend a significant amount on posters and travelling for verbal face to face communication but still cannot cover the entire city and it is hard for them to broadcast the event globally. To eliminate this grunt work and establish an informative environment among engineering students we decided to cast a system that connects adjoining engineering colleges so that the students would be updated with all the events in place

II. RELATED WORK

College Technical Festival Event Organization Application^[5]: The purpose of making this application is to provide an easiness of finding the event schedule at one place. The user will find the technical event schedule in one application rather to visit different web pages. The invention satisfies the foregoing needs and avoids the drawbacks and limitations and frustrations of the prior art, and provides a better, more timely and effective process of communication to schedule and coordinate events by utilizing Internet-based application.

Town Script: Find Events in your city and buy tickets online instantly. You can also create your event and start selling tickets online with the help of this portal. With a broad vision to strengthen in India and establish across the globe market leadership in the DIY event space, “BookMyShow” and “Townscript” entered into a strategic investment partnership in 2016. With strategic investment in Townscript, BookMyShow has provided “Townscript” with necessary resources to take bold steps in product, operations, and marketing and technology innovations. The synergy between the ticketing giant and the fastest growing DIY ticketing platform will fuel Townscript's quest to solve customer problems across the globe.

MyCollegefest^[6]: MyCollegefest.co.in is first of a kind platform which allows colleges & brands to connect across 300+cities Pan India at a click of the button. More than 3000 colleges, more than 1000 brands on one single platform.

TheCollegeFever^[7]: TheCollegeFever is a Cloud based College Event Technology Platform. All in one integrated software that helps the College event organisers from planning to execution. The platforms help the organisers in Online ticketing and Registration, Marketing and promotion, entry management, analytics and to build students Community.

Event Management System Software^[2]: is essentially business software and therefore, is collection of modules that work together to provide the desired functionality defined by the set of requirements. ‘Separation of Concerns’ [Dijkstra (1974), Hirsch et al. (1995)] and ‘Modularity’ [Parnas (1972)] are the fundamental principles that drive software evolution. Designing software according to these principles makes it more manageable, understandable and reusable. Using Object-Oriented Programming (OOP) [Sommerville (2009)] methodology, goals of modular programming and separation of concerns are seldom realized due to presence of crosscutting concerns [Kaur et al. (2009)]. This leads to problems of code scattering [Gradecki et al. (2003)] and tangling [(2003)] which increase the complexity of the software and degrade its quality.

Event Management System^[4]: This system is computerized and has been developed using advance language therefore it gives more facilities than present system. It provides quick access to any data. In this system user have to enter the data only once and then it gets linked with all files. This reduces the workload of user and it is also a time saving process. The information about any event can be easily retrieved. The system maintains all records easy. The proposed system is a database-driven using Microsoft .NET. The system is divided into several phases; each phase describes a number of actions. The model used in building the system is the ‘Evolutionary Model’, because it is easy to use, it allows small systems to be developed rapidly and it allows user engagement with the application. Evolutionary development model uses small, incremental product releases, frequent delivery to users and dynamic plans and processes. This web based application system can be implemented in hotels, clubs for booking events. The system can also be used as software to promote the entire booking places. The user gets all the resources at a single place instead of wondering round for these. This system is effective and saves time and cost of the user.

III. PROBLEM STATEMENT

Many engineering colleges conduct various events and workshops in their Technical and Cultural Festivals. These events are generally open for all but, there are times that these events go unnoticed due to lack in promotion and connectivity between various engineering enthusiasts.

Students also spend a significant amount on posters and travelling for verbal face to face communication but still cannot cover the entire city and it is hard for them to broadcast the event globally. To eliminate this grunt work and establish an informative environment among engineering students we decided to cast a system that connects adjoining engineering colleges so that the students would be updated with all the events in place. Construct a portal that connects adjoining engineering colleges by broadcasting general events that occur in these colleges that are open for all. Eliminate the leisure and expense required for promoting these events and reduce the distance between tech enthusiasts.

IV. PROPOSED PLAN

Students can host events from their respective colleges and hence post all the event details and also manage participants and payments. There will be a sub admin for every college who will manage all the posted events i.e., to perform actions like approve or reject. The sub-admin can be any faculty in-charge or event in-charge. Location based search for students who are willing to find events in their locality Separate forum for each event to review the event and to also discuss regarding any requirements etc. Data analytics for user interest based custom feeds.

The project mainly aims to make each student aware of the various events and workshops held in their own or nearby cities.

Reduce the burdens of the colleges for the promotion of their events or workshops.

Publicity of the college and its events at the social level.

Following figure 3.1 illustrates the proposed plan.

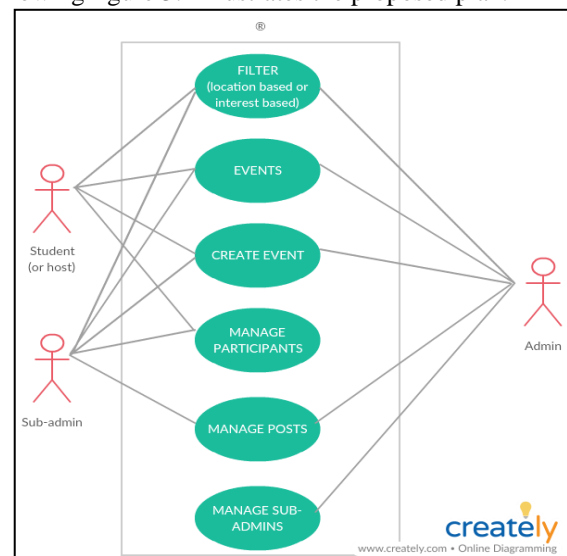


Figure 3.1: Use-case Diagram

A. STUDENT MODULE: Students will be able to browse all the events which are publicly posted and approved. He will also have access to the discussion forum below all the events, but in order to register for any event or create an event the student will have to register or login.

This module is subdivided in two categories:

a. HOST

b. MEMBER

a. HOST: Any student who has authority to post events is HOST. User should register him/herself as a HOST by providing their sub-admin referral code. Host user will have following functionalities:

Registration: This module is common to host as well as members. Every user should register him/herself to access functionalities like (post blog, participate in event, host an event, etc.). If user wants to register as a host then he/she must provide sub-admin referral code. Every host will be approved by sub-admin.

Login: All registered member can be logged-in by using this module.

Create Event: This module will allow user to create event to broadcast it to all. Every created event will be forwarded to sub-admins for approval. As soon as sub-admin approve event it will be visible to all. For creating event host should provide following details:

- Event title
- Event image
- Event description
- Event fees
- Event schedule (date and time)
- Venue
- Perks
- Maximum participants

My Events: This module will have following features:

- Events list along with their status (Approved / Rejected)
- Event Details
- Event Enquiries
- Participant list
- Payment Entries
- Participation cancel requests
- refunds
- Event History

Feature My Event: If a host is willing to see his event appear on the top of all the feeds he can request to feature his event.

My Profile: Every registered user can view/ update his profile. Contents of profile will be:

- User name
- Mobile No.
- Email Id

- Collage / Institute name
- Branch / Stream
- Semester
- Interests

My Interest: Every member can provide his/her area of interest to apply filters on events he/she will have in dashboard.

- **Events:** All broadcasted events will be listed in this module. User will get event list in his/her dashboard area. This module has following features:
- Browse event list
- Apply filters on event list
- View Event details
- Send Enquiry for events
- participate in an event
- Receive ticket after fees payment.
- Access participated events list and details
- Give feedback for participated events.

Blogs: User will be able to write blog to provide some useful information to other users.

b. MEMBER: Any student who has registered him/her in his application to write blogs, participate in an event will be consider as member. A member will have following functionalities:

Register: To become a member of this application user has to register him/herself by providing following details:

- username
- contact number
- password
- email

Login: Members can login into application to access advanced features by using this module.

Events: (same as host user)

My Interest: (same as host)

My Profile: (same as host)

Blog: (Same as host)

B. SUB-ADMIN MODULE: A sub admin would generally be a person in charge or a person representing the college who is an official employee of the organization. He will have to register in the application in order to approve the posts of the hosts from his respective college. He will also be able to browse all the events that are publicly posted and approved. He will also have access to the discussion forum below all the events. All sub-admins registration will be approved by admin.

Event Requests: This module will facilitate sub-admin to approve all events from his hosts. This functionality will be helpful for admin to authenticate events before broadcasting.

Accept / Reject events

Events List: A list of events along with their status (Approved / Rejected).

Events Details

Cancel Event

My Profile: This module will allow to manage own/institute details like:

- College / University name
- User name
- Personal mobile no.
- Collage / Institute contact no.
- Address
- Profession / Designation
- Referral Code (View Only)
- College / Institute website
- email id
- Share referral code.

ADMIN Module

An admin would be the highest in the hierarchy. He will have access to all the modules from the backend so as to manage the proper and smooth functioning of the application.

An admin would manage:

- Events
- Complaints
- Sub admins
- Hosts
- Colleges
- Featuring
- Blogs

V. FLOW DIAGRAM

From the given figure 5.1, it is evident that both student and sub-admin first interacts with the browse events window. From there, students can login/signup and participate in different events. Every college has its own registered sub-admin who can approve or discard various events that are posted by the students of their college. Each student and sub-admin has their own dashboard. Student dashboard consists of various sections such as host event, blogs, manage participants and view feedbacks. Sub-admin dashboard consists of sections such as manage host and the list of events that are approved by them. As we have a portal to manage the events from the sub-admin module. The host or the student posts an event which is forwarded to sub-admin. A sub-admin is responsible for the validation of the event. If the sub-admin approves the event, then only it is hosted globally.

Apart from this, there is a payments section which is responsible for generating event tickets and gives the count of number of interested students to the event organizer.

It should include important findings discussed briefly. Wherever necessary, elaborate on the tables and figures without repeating their contents. Interpret the findings in view of the results obtained in this and in past studies on this topic. State the conclusions in a few sentences at the end of the paper. However, valid colored photographs can also be published.

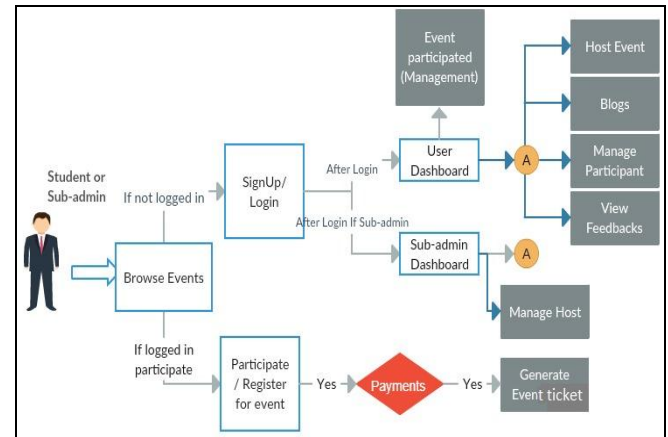


Figure 5.1: Control Flow Diagram

VI. CONCLUSION AND FUTURE SCOPE

Conclusion

The event integrated system will help each student to stay updated about different events and workshops of different colleges in the city. This will increase the overall participations in the events remarkably.

Future work

Extend the application's approach towards maximum colleges in the country. All the reviews and feedback given by the user about a particular event of a college will be represented in analytical form so that students can easily figure out the best college in the region. This will also encourage competitive spirit among different colleges.

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