Inter & Intra College Event Management System

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Abstract— Inter and Intra College Event Management System is used to manage all the activity related to college event. In any college event many service providers work simultaneously and it is very hard to manage these providers. It is also important for event organizer that he has all the contacts details of these service providers and college management so that he can contact them any time to plan an event at given time. To manage all these activity we have developed this software. Also the software shows intra college events. To get success in the event management, user should have strong network contacts of service provider. These contacts are essentially providers of specific services who can be mobilized quickly to participate in any given event. In present system Colleges has to do all management work manually. They keep all events information on papers. There is no system to check the past expenses on any event. To do this they have to check event register or sheet and this task is very time consuming and tiresome. So our system makes the event management process online. Users can view the events and register to the event according to their interest with real-time event management system which handles all the data regarding events, sorting of events, suggestions of events by the users response to the particular event. The system is very easy to use and the UI/UX is very responsive.

Keywords—Node Js, ReactJS, Firebase.

1. INTRODUCTION

Inter and Intra College Event Management System is used to manage all the activity related to college event. In any college event many service providers work simultaneously an it is very hard to manage these providers. It is also important for event organizer that he has all the contacts details pf these service providers and college management so that he can contact them any time to plan an event at given time. To manage all these activity we have developed this software.

2. PROBLEM STATEMENT

Inter and Intra College Event Management System is the system of event management. Users that are need to find or register and are willing to see the information about events. They will able to get all this information through this system. To get success in the event management, user should have strong network contacts of service provider. These contacts are essentially providers of specific services who can be mobilized quickly to participate in any given event. To make an event successful event Manager needs different service providers. This system provide you all the features you need to make any event in the college successful.

2.1. MOTIVATION

In any college event many service providers work simultaneously and it is very hard to manage these providers. It is also important for event organizer that he has all the contacts details of these service providers so that he can contact them any time to plan an event at given time. In present system College has to do all management work manually. They keep all payment information on papers. There is no system to check the past expenses on any event. To do this they have to check payment register and this task is very time consuming and tiresome. Also users does not able to see intra college level events

2.2. OBJECTIVE

System very efficiently store, maintain and retrieve data from its database and can be used for further analysis. This system provides latest notifications about inter and intra college level events to its user .Time saving activity. The data in a centralized way which is available to all the event managers. Easy to manage historical data in database. Participants can register for any happening event from anywhere. Event manager can keep records of participants.

3. EXISING SYSTEM

Existing system is not computerized and it is very difficult to manage and inform any details regarding events that are going to be conducted by the college. In addition to this it is more paper work and time wasting process. We have to face high-level risk to maintain it. In this existing system student cannot get information about the college event and details about the competitive exams like GATE, JRE etc. at anytime, anywhere. After that developing LAN based computerized event management system. There is all information is computerized but this information is access only in LAN. Student or Teacher accesses all information if connected with same LAN connection. Student cannot get all information about competitive exam details at one place.

3.1. DISADVANTAGE OVER EXISTING SYSTEM
1. Lot of paper work required.
2. Man power was more.
3. Time consuming process.
4. Student cannot access information easily from anytime anywhere.
5. View only specific college event information.
6. Exam details not available easily.
7. Event management offers many avenues and it was not possible to cover all of them.

4. REQUIREMENT ANALYSIS

4.1 FUNCTIONAL REQUIREMENT

1. Registration Module

To enter into this site user has to register himself first. Requirements of registration are first name, last name, username, email-id, password, confirm password etc.

2 .User Profile Module

The System provides facility to login into the system. User can see his/her profile.

3. Event Manager Module

The user can select the event as per their choice and register for that event.

4. Security Module:

Security & Authentication module is main module which can provide security for entire processing of the system by using username, password, login, password modifications etc.

5. Notification / Update

User will get to know any notifications and updates regarding the events.

4.2 NON-FUNCTIONAL REQUIREMENTS:

1. Performance Requirements:
The system need to be reliable. If unable to process the request then appropriate error message. Web pages are loaded within few seconds

2. Safety Requirements:
The details need to be maintained properly. Users must be authenticated.

3. Security Requirements:
After entering the password and user id the user can access his profile. The details of user must be safe and secure.

5. TECHNOLOGIES

5.1 JavaScript:

JavaScript (often shortened to JS) is a lightweight, interpreted, object-oriented language with first-class functions, and is best known as the scripting language for Web pages, but it's used in many non-browser environments as well.

5.2 ReactJS:

React (also known as React.js or ReactJS) is an open-source front-end JavaScript library for building user interfaces or UI components. It is maintained by Facebook and a community of individual developers and companies. React can be used as a base in the development of single-page or mobile applications.

5.3 NodeJS:

NodeJS is an open source, cross-platform, back-end JavaScript runtime environment that runs on the V8 engine and executes JavaScript code outside a web browser.
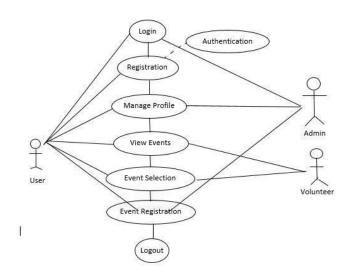
5.4 ExpresJS

Express is a popular un-opinionated web framework, written in JavaScript and hosted within the Node.js runtime environment. This module explains some of the key benefits of the framework, how to set up your development environment and how to perform common web development and deployment tasks.
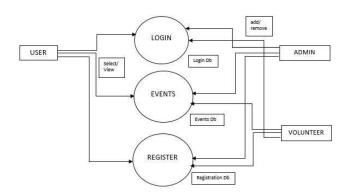
5.5 Firebase:

Firebase is a mobile- and web application development platform, backed by Google, to help developers deliver richer app experiences. The platform consists of a great set of development tools. The Realtime Database **and** Cloud Firestore can stock document-structured data and synchronize the corresponding apps in milliseconds whenever a data transformation occurs. This means that both the app and its database listen to each other, providing the user with reactive app experiences.

6. DIAGRAM:

6.1 Use Case Diagram:

6.2 Data Flow Diagram:

7. EASE OF USE

The very first phase in any system developing life cycle is a preliminary investigation. The feasibility is major part of this phase. A major of how beneficial or practical the development of any information system would be to the organization is the feasibility study.

7.1 Operational Feasibility:

The site will reduce time consumed to maintain manual Records and is not tiresome and cumbersome to maintain the records. Hence operational feasibility is assured.

7.2 Economical Feasibility :

Once the hardware and software requirements get fulfilled there is no need for user of our system to spend for any additional overhead. For the user, the web site are going to be economically feasible within the following aspects: The web site will reduce a lot of paper work. Hence the cost will be reduced. Our web site will reduce the time that is wasted in manual processes. The storage and handling problems of the registers will be solved.

8. RESULTS

The event management system was developed with proper planning and guidance. Iterative waterfall model is used in this project. Planning at each stage is done properly. The design stage was fully designed as per the protocol. Unit testing of each module and sub-module is performed. After that the modules and submodules are integrated and integration testing was performed. The project is meant to serve the managing purpose of all kind of events with a complete responsive user interface and easy approach.

9. CONCLUSION

Our Project is only a humble venture to satisfy the needs to manage their project work. This package shall prove to be a powerful package in satisfy all requirements of the user. The objective of software planning is to provide a frame work that enable the manager to make reasonable estimate made within a limited time frame at the beginning of the software project and should be update regularly. A description of background and context of the project and its relation to work already done in the area. Made statement of the aims and objectives of the project. The description of the purpose, scope and applicability. We define the project on which we

are working in project. We describe the requirement specifications of the system and actions that can be done on these things. We designed user interface and security issues related to system. Finally the system is implemented and tested according to the test cases.

10. ACKNOWLEDGMENT

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