

# ATHARVA FEST

Riya Patel<sup>1</sup>, Pradeep Ingle<sup>2</sup>, Rahul Gupta<sup>3</sup>, Prof. Anuradha Kapoor<sup>4</sup>

<sup>1,2,3</sup> Dept of Information Technology Engineering , Atharva College of Engineering

<sup>4</sup> Prof. Anuradha Kapoor , Dept of Information Technology Engineering , Atharva College of Engineering , Maharashtra , India

\*\*\*

**Abstract** - The project brings the entire manual process of Intercollege event management online which is built using ReactJS as a frontend and MongoDB , NodeJS as a backend. The main purpose of this project is to simplify the process of handling each event by providing a web interface for admin, teachers and students, which will be all browser and all device compatible. The admin part consists of multiple modules where admin or the authorized person need to register the college name to initiate/create the event by adding the type of event(indoor or outdoor). System allows admin to add teachers who will conduct the particular event activity which is allotted by the admin itself, also can view the student registration for a particular event and lastly viewing the results of all event held in college and print the certificate for the winner. The teacher part has come up with handling all event related activity by the admin.

**Key Words:** ReactJS, NodeJS, MongoDB, Browser Compatible and Device Compatible.

## 1. Introduction

The project has been developed to override the problems prevailing manual system. This software eliminate and in some cases to reduce the hardships faced by writing in the existing system.

This application is to reduced error at the time of entering the data. It shows a pop up message while entering an invalid data. No knowledge is needed for the user to use this systems as it is user-friendly. It can lead to error free, secure, reliable, and fast management system.

### 1.1 Description

We have built our project using NodeJS. It is an open source, cross-platform runtime environment. It is written in JavaScript, and we can run within the Node.js runtime on OS X, Microsoft Windows, and Linux

React is a free open-source front-end JavaScript library for building user interfaces based on UI components. React applications usually requires the use of additional libraries for routing, as well as certain client-side functionality.

### 1.2 Problem Formulation

The main problem is to display the events, news updates. Notice board as only source of Information. There is not proper scheduling for an event. Students don't understand the actual requirement of the event. The another problem is lining up for passes. It needs more manpower and also a time consuming process. If the data is lost there is no way of retrieving back which issues lack of security.

## 2. Review of Literature

**Paper Name:** Smart Event Management System<sup>[1]</sup>

**Author:** Khalil Pinjari, Khan Nur

They have developed a system for events like marriage, dance show, college festivals etc. as these festivals are core of our life. The system is developed using Microsoft Visual Studio as front-end. Only admin can login and manage the activities. The system provides facility like e-card creation where they can design the card mail them to their contacts for invitations

**Paper Name:** A Web- Based Project Management System<sup>[2]</sup>

**Author:** Aaron. A. Izang, Chinyere. C. Ihesiulo, Miracle Ofuru, Chukwuebuka Okafor

As business is dependent on IT for their operations, project manager find themselves on a lot of pressure to be innovative and to maintain the quality of project within the time and budget.as it is difficult to plan and track the project components, resources, etc. They have developed a software using iterative model. This model was used because it allows for requirement changing. The system is developed using HTML, CSS, PHP, JavaScript.

**Paper Name:** Event Management – A Special Kind of Project Management<sup>[3]</sup>

**Author:** Peter J. A. Reusch, Pascal Reusch

Event management is in boom as a growing profession. Event management is not a part of project management as event management has certain concept and issues.in

this paper, they classify the events by comparing it with event management system. In many cases we must develop the concepts and sharpen the tools to support event management.

**Paper Name:** Hikester - the event management application<sup>[4]</sup>.

**Author:** Rinat Khatipov, Manuel Mazzara, Aydar Negimatzhano

Now-a-days social networking sites and services plays a vital role in our day-to-day life. In this paper they present a systematic design to recommending system and spam filtering. It helps user for an optimizing system, for those who want to create new event by choosing the event parameters to make it more popular to other users who use event management system.

### 3. Proposed System

In proposed system user will participate event using online registration. User can get all the details regarding the event online after login. It also provides error message while entering the invalid data. It user-friendly. User can pay online using payment gateway and get e-pass. Winner will get e-certificate.

### 4. Requirement Analysis

Requirement analysis in systems engineering and software engineering encompasses those tasks that go into determining the needs or conditions to meet for a new or altered product or project, taking account of the possibly conflicting requirements of the various stakeholders, analysis, documenting, validating and managing software or system requirements.

#### 4.1 Hardware used

The hardware used for the development of the project is:

System Processor	Core i5
Hard Disk	1 TB
Processor Speed	3.06 GHz
Memory	8 GB
Input	Mouse and Keyboard

Table 1: Hardware used

#### 4.2 Software used

The software used for the development of the project is:

Operating System	Windows 10 (64 bits)
Coding Language	JavaScript
Software	Visual studio, ReactJS

Table 2: Software used

### 5. Advantages of Proposed System

1. Accuracy in work
2. Save time
3. Easy and fast retrieval of information
4. Easy to update information
5. Provide accuracy speedy work
6. Reduces cost

### 6. Block Diagram

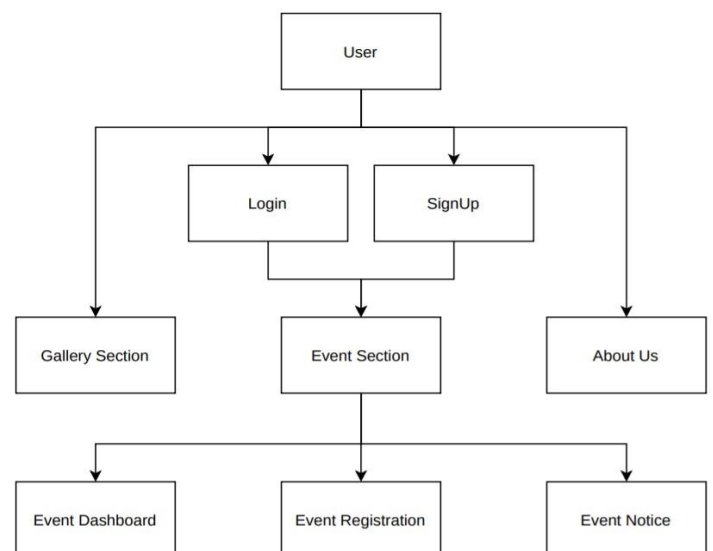
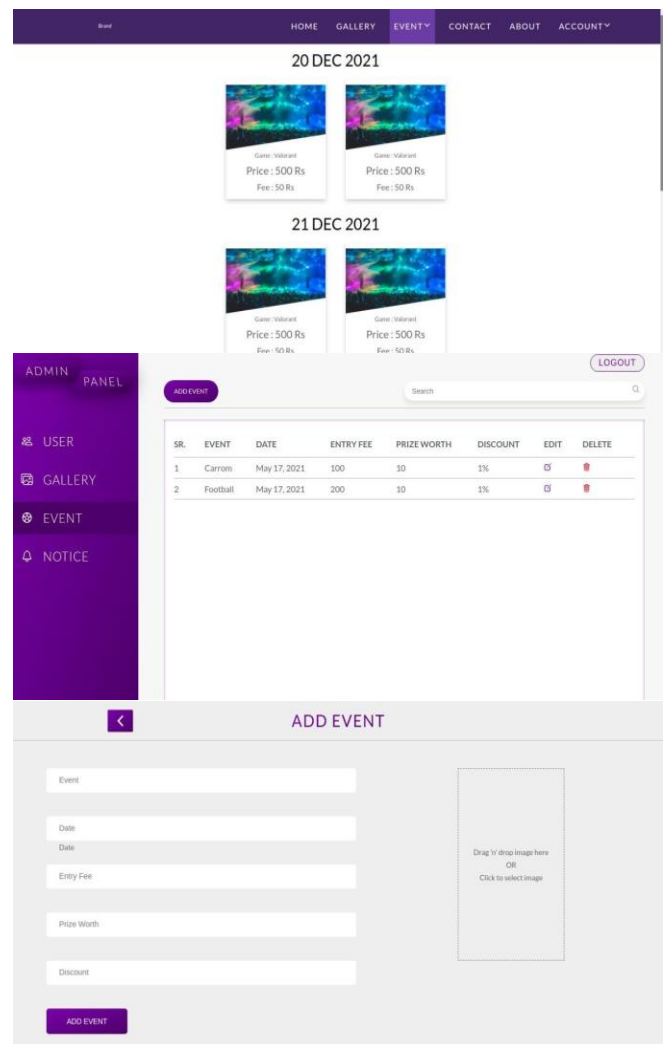
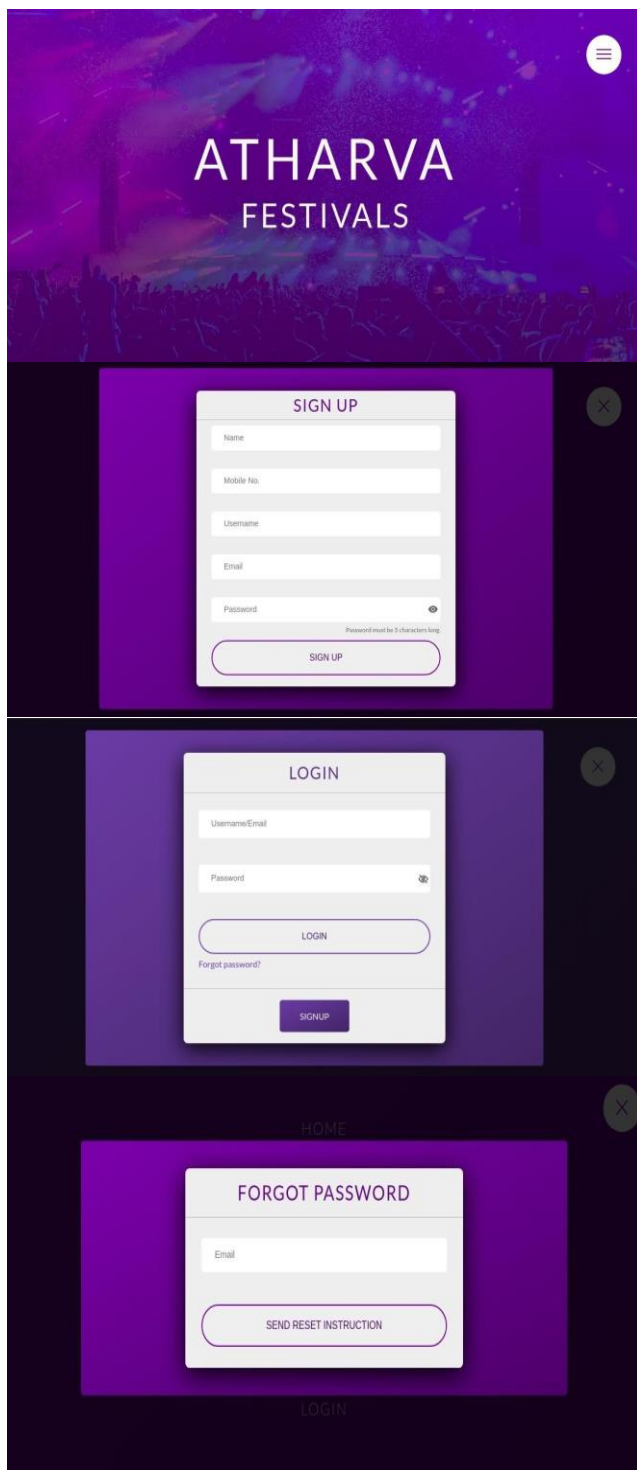


Figure 1: Block Diagram of Fest App

The block diagrams shows major functional block that are part of system being described. We have implemented this project using a new Technology i.e. ReactJS, NodeJS and MongoDB. Implementation done is all browser and all device compatible and easy to use navigation. Our web project functionality is to coordinates events and provides flexibility to the coordinator.

## 7. Implementation



## 8. Conclusion

The proposed system will be useful for communicating with staff coordinators and students coordinators, conveying important messages to participants, exchanging important reports, bills, queries, etc. and participant students can view and register for events online. A number of these blessings are centralized knowledge, E-mail notification, simple use, backups etc. the employment of this application reduces the additional time and efforts needed to manage and monitor the events in college.

## ACKNOWLEDGEMENT

We would like to thank my guidance Prof. Anuradha Kapoor for helping us in this project. She allowed us to work on this project. Along with that, I would also like to thank my Head of the Information Technology Dept. Prof. Deepali Maste wholeheartedly.

## REFERENCES

- [1]. Pinjari, Khalil, and Khan Nur. "Smart event management system." *International Journal of Computer Science Trends and Technology (IJCT)* 4.2 (2016): 161-164.
- [2]. Izang, A. A., Chinyere, C. I., Ofuru, M., & Okafor, C. (2016). A web-based project management system. *International Journal*, 6(4), 39-45.
- [3]. P. J. A. Reusch and P. Reusch, "Event management - A special kind of project management," 2013 IEEE 7th International Conference on Intelligent Data Acquisition and Advanced Computing Systems (IDAACS), 2013, pp. 555-559, doi: 10.1109/IDAACS.2013.6662986.
- [4]. R. Khatipov, A. Negimatzhonov, I. Zamaleev, A. Zakirov, M. Mazzara and V. Rivera, "Hikester - The Event Management Application," 2018 32nd International Conference on Advanced Information Networking and Applications Workshops (WAINA), 2018, pp. 462-468, doi: 10.1109/WAINA.2018.00129.
- [5]. Khan, A., Pundalik, A., Shinde, T., Gupta, S., & Patil, S. J. (2019). Event Management System. *International Research Journal of Engineering and Technology (IRJET)* Vol. 06 Issue, 1, 1752.