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SIAFESTS – WEB APPLICATION

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ABSTRACT

The purpose of “SIAFESTS – WEB APPLICATION” is to automate the existing manual system by the help of computerized equipment’s and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy assessing and manipulation of the same. The required software and hardware are easily available and easy to work with. “SIAFESTS – WEB APPLICATION”, as described above, can lead to error free, secure, reliable and fast networking system. The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant, while being able to reach the information.

Keywords: SIAFEST, Redundant

1. Introduction

SIAFESTS is a Web Application which handles the fests in our college (such as E-Buzz and Technovision) made by MERN stack technology (MongoDB, Express, React, Node) which is in boost now-a-days and we are using Firebase (Backend as a Service) which is a tool made by Google for the Web applications. By the help of this web app, the event organizers can easily manage the event records by maintaining a database which will contain the data about the events and the participants.

• 1.1 OBJECTIVE

The Main Objective of this project is to develop general purpose web application for the event management (i.e., E-Buzz and Techno vision), mainly to computerize the managing process. The proposed web application will reduce the paperwork as well as manual labor. This is designed to assist in strategic planning, and will help you ensure that your organization is equipped with the right level of information and details for your future goals. These systems will SiA-FESTS – WEB APPLICATION DEPT. OF CSE, GNDEC BIDAR 2 ultimately allow you to better manage resources. By the help of this web app, the event organizers can easily manage the event records by maintaining a database which will contain the data about the events and the participants.

• 1.2 METHODOLOGY

Rational Unified Process The Rational Unified Process brings together elements from all of the generic process models. Supports Iteration and illustrates good practice in specification and design. The RUP is normally described from three perspectives • A dynamic perspective that shows the phases of the model over time. • A static perspective that shows the process activities that are enacted. • A practice perspective that suggests good practices to be used during the process. And so on

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• **1.3 PURPOSE**

The purpose of making this application is to provide an easiness of finding the event schedule at one place. The user will find the event schedule in one application. 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. The people may get fail to answer the call or would be unable to check the email so this Application will lead a better communication of the people about the event. The main objective of this document is to illustrate the requirements of the project “SiAFESTS – WEB APPLICATION”. The document gives the detailed description of both functional and non-functional requirements proposed by the client. The purpose of this project is to build connectivity between students and faculties to reduce the manual work for conveying any information regarding to the college or events. It tracks all the details about the Posts, Shares and Photos etc.

2. Features

- User accessibility available if he/she is a part of a particular college campus.
- Every user have individual & unique log in credential to go through the portal.
- This website provides separate access for different sections of college.
- User can view photo, audio documents, video documents & any other kind of file.
- User can also report spam to the portal for any unwanted post.
- Admin functionality will be added (admin can modify and delete unwanted post and even can block users)

2.1 System Architecture



Fig 1.0 Use Case Diagram for Admin Fig 1.1 use-case diagram for User

2.2 Activity Diagrams



Fig 1.2 Admin Activity Diagram Fig 1.3 User Activity Diagram

3. Project Development And Environment

3.1 Coding: In Coding phase of the web development process, the actual functional site was built. After the proper testing of the prototype, the developer has to work on developing the actual live web project. The actual live web project is built according to the requirements.

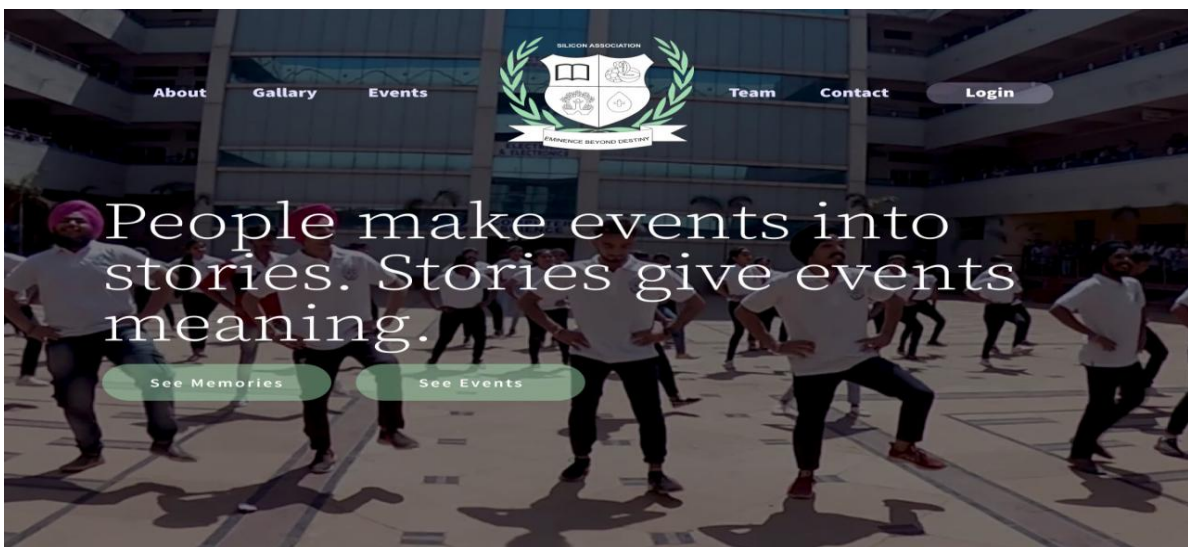
- We developer has to consider all the situations from the design phase to create all the features in the web project.
- This phase involves both front end development and back-end development of the website.
- Front end development comprises of the writing codes with the technologies like Reactjs ,Node.js, etc. according to the web standards.

3.2 Testing: Testing is an important phase in the web development process.

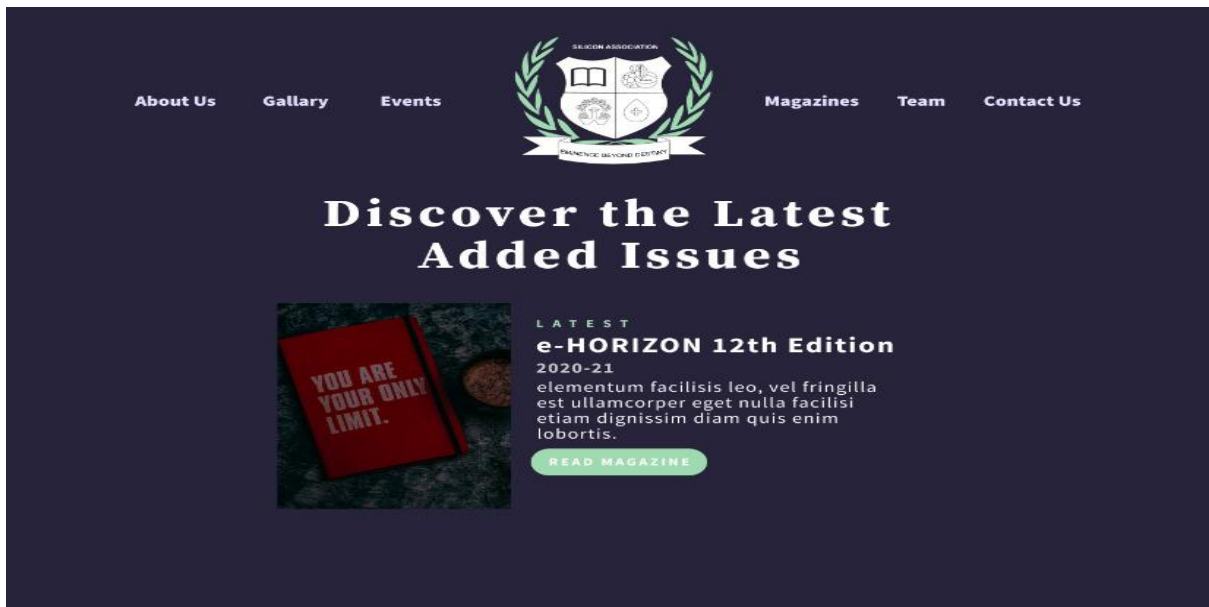
- Testing is performed by the developers and testers to ensure the requirements after completion of the web project. In this phase, quality assurance and browser compatibility issues of the website are checked.
- We tested all the developed features and assure the validity of the written code.
- Various types of testing such as integration testing, regression testing, functional testing, smoke testing, load testing, and performance testing are performed in this phase by both testing and development teams.
- Testing was performed manually on the basis of the type of testing and web projects. If desired and satisfactory results are not found, the proper actions for removing the bugs were taken.

Installation & Acceptance Test: During the installation and acceptance stage, the software artifacts, online help, and initial production data are loaded onto the production server. At this point, all test cases are run to verify the correctness and completeness of the software. Successful execution of the test suite is a prerequisite to acceptance of the software by the customer. After customer personnel have verified that the initial production data load is correct and the test suite has been executed with satisfactory results, the customer formally accepts the delivery of the software

4. Snapshots of Resulting Website



1. Home Page



2. Magazines Page

5. CONCLUSION & SCOPE

This Application leads to the new product for student and college which provide effective intercommunication of technical event. The wastage of time in sending mail, calling each other and checking each other site is reduced here. The student will get a better medium for getting Event Schedules. The result of making this application is to provide an easiness of finding the event schedule at one place. The user will find the event schedule in one application. 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. The people may get fail to answer the call or would be unable to check the email so this application will lead a better communication of the people about the event.

SCOPE

- **User Friendly** –The Web App can easily be operated by the students and the event organizers.
- **Reduction of paper work** – With help of this web app, all the data of the events and participants will be saved in the database and less usage of pamphlets in promotion of events.
- **Less Time Consuming** – participants can find all the data about events at a one place.

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