CU – Event Management System
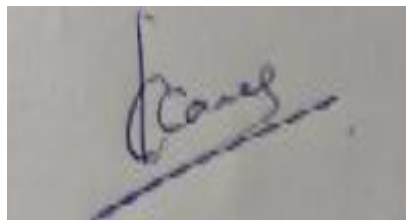
Submitted in partial fulfillment of the requirements for the award of degree of

BACHELOR OF ENGINEERING
IN
COMPUTER SCIENCE & ENGINEERING

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First Progress Report

Project Design

This section explains in details how the project was approached. All software components that will be used will be explained in this section of the report.

1. Project Overview

1.1. The Research Stage

The research stage was a critical stage that provided our team with the knowledge necessary to complete the other stages of our project. This stage was an ongoing process that our team had to return to many times during the development process to gain the knowledge needed to continue on with the project. Our research encompassed a wide range of sources, which included studies done at different universities and hobby enthusiast sources. Our research included topics like HTML. CSS, JavaScript, NodeJS and MongoDB.

1.2. Building & Interfacing Stage

This stage started when the ordered parts started arriving. During this stage we focused on verifying and testing each and every html, css and JS parts thoroughly. After each part was verified to be working correctly, we combined the components together and front-end part was done.

1.3. The Programming Stage

In this stage of our project we were to design three different things for our project. They were designing a HTML page, a CSS page and a Javascript page . Unfortunately we did not get very far in this stage and programming for Chatbot and back-end part has yet to be done.

2. Software

2.1. HTML

- HTML stands for Hyper Text Markup Language
- HTML is the standard markup language for creating Web pages
- HTML describes the structure of a Web page
- HTML consists of a series of elements
- HTML elements tell the browser how to display the content
- HTML elements label pieces of content such as "this is a heading", "this is a paragraph", "this is a link", etc.

2.2. CSS

- CSS stands for Cascading Style Sheets
- CSS describes how HTML elements are to be displayed on screen, paper, or in other media
- CSS saves a lot of work. It can control the layout of multiple web pages all at once
- External stylesheets are stored in CSS files

2.3. JS

- JavaScript is used to create interactive websites.
- Client-side validation,
- Dynamic drop-down menus,
- Displaying date and time,
- Displaying pop-up windows and dialog boxes (like an alert dialog box, confirm dialog box and prompt dialog box),
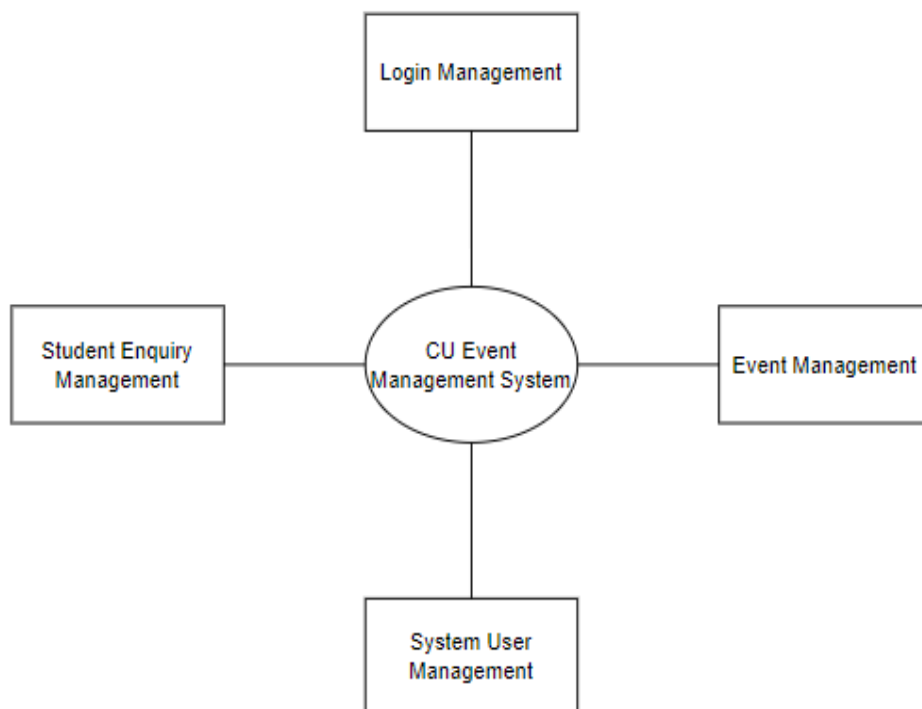- Displaying clocks etc.

Innovation in model/design/solution

1. Data Flow Diagram (DFD) for CU-EMS

A data-flow diagram is a way of representing a flow of data through a process or a system (usually an information system). The DFD also provides information about the outputs and inputs of each entity and the process itself.
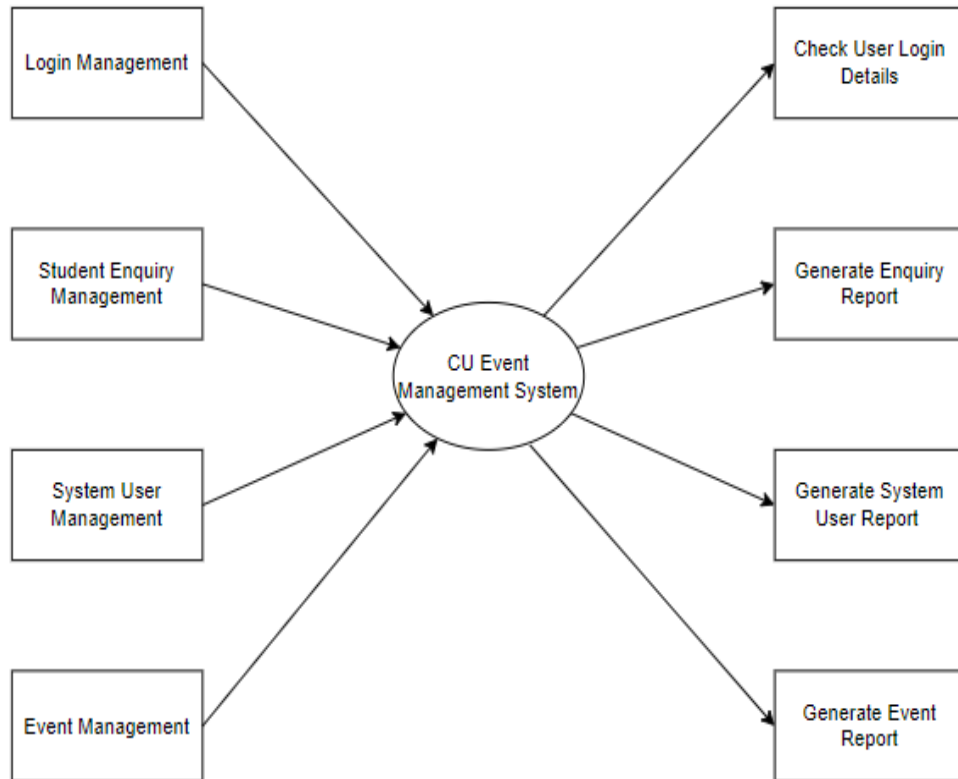
1.1. Zero Level DFD for CU-EMS

This is the zero level DFD of event management system, where we have elaborated the high level process of Event management system. It's a basic overview of the whole event management system or process being analyzed or modeled.
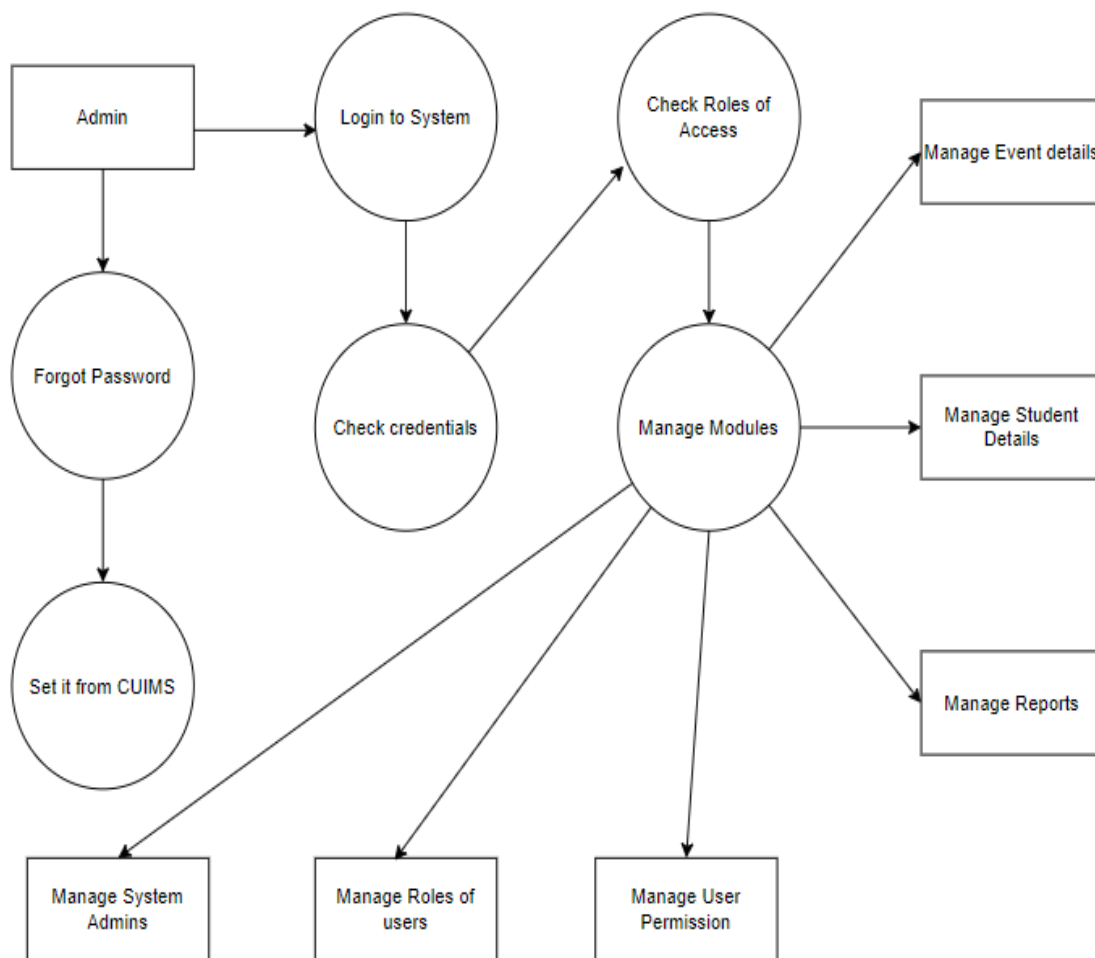
1.2. First Level DFD for CU-EMS

First Level DFD (1st Level) of Event Management System shows how the system is divided into subsystems (processes), each of which deals with one or more of the data flows to or from an external agent, and which together provide all of the functionality of the Event Management System as a whole.
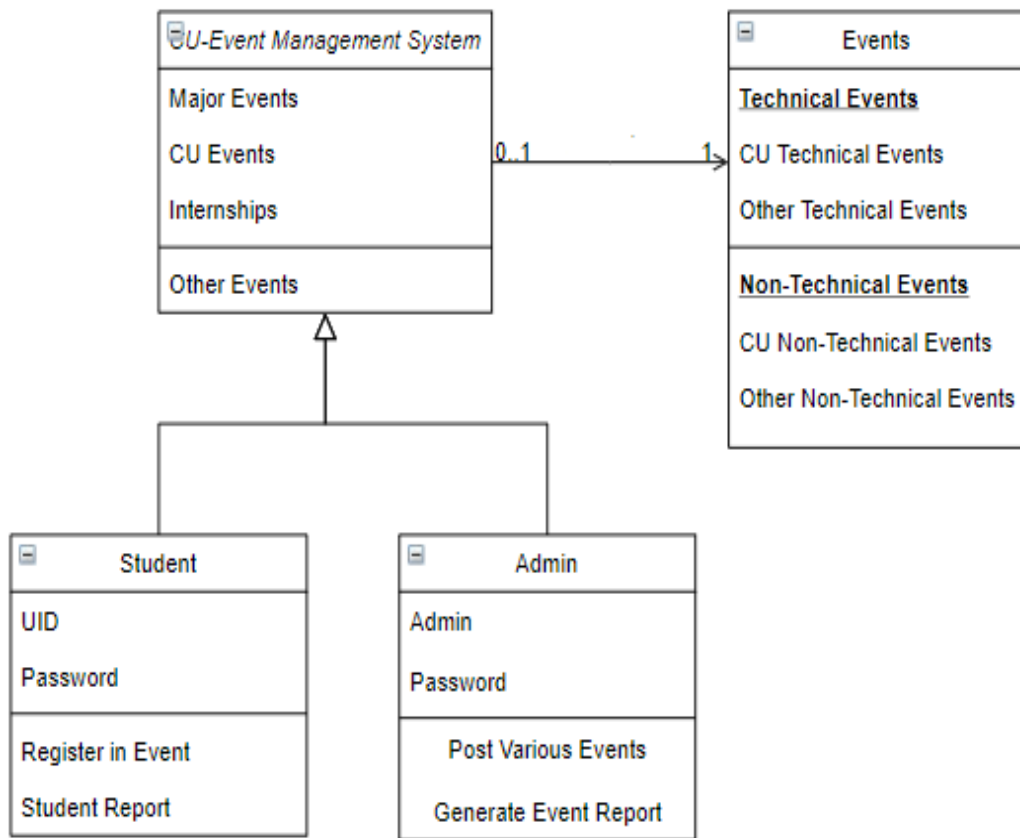
1.3. Second Level DFD for CU-EMS

DFD Level 2 then goes one step deeper into parts of Level 1 of Event Management. It may require more functionalities of Event Management to reach the necessary level of detail about the Event Management functioning. First Level DFD (1st Level) of Event Management System shows how the system is divided Into sub-systems (processes) The 2nd Level DFD contains more details of First Level DFD Event Management System.

2. Class Diagram for CU-EMS

The class diagram is the main building block of object-oriented modeling. It is used for general conceptual modeling of the structure of the application, and for detailed modeling translating the models into programming code. Class diagrams can also be used for data modeling.
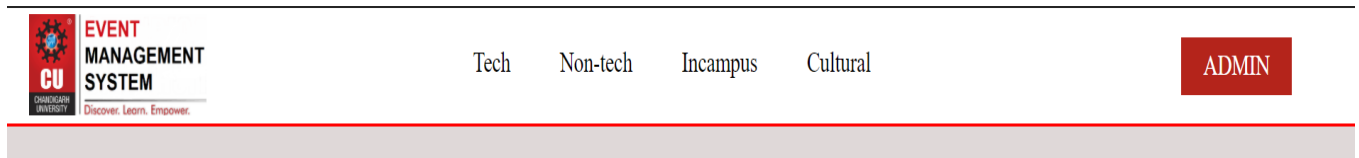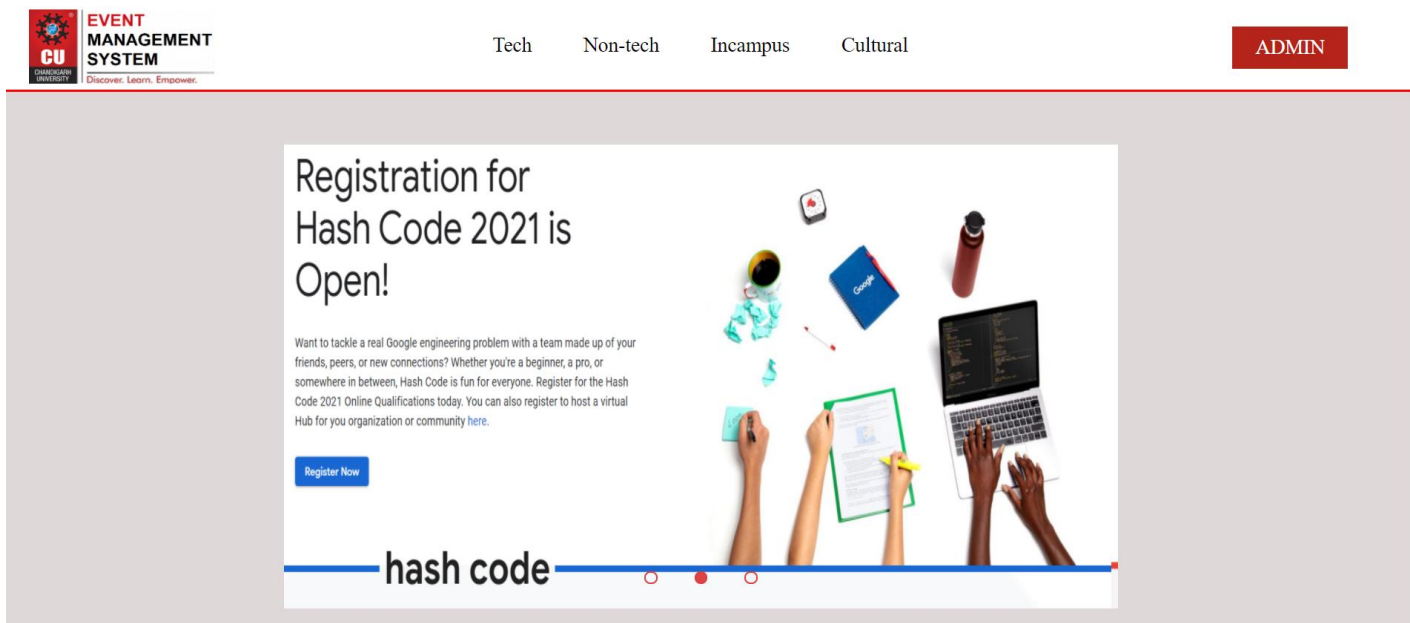
Implementation

Logo

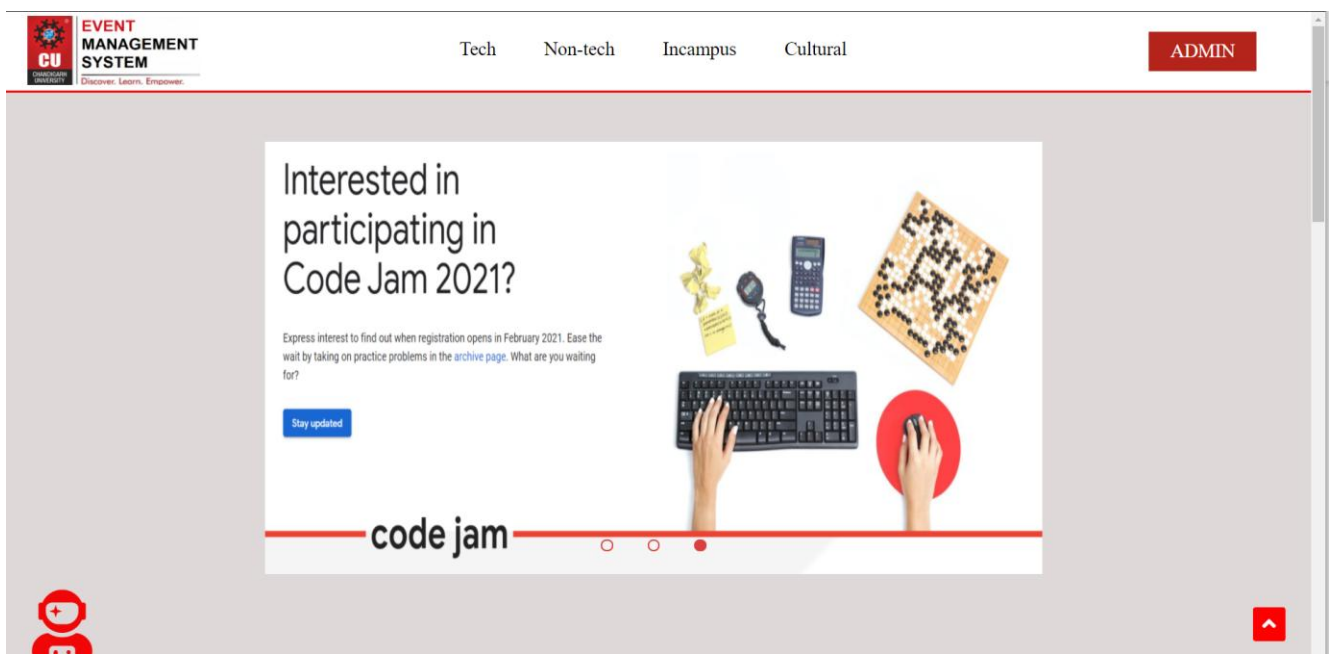Logo for CU event management system

Navigation Bar

This is navigation bar for CUEMS and the position of it is fixed after scrolling it will be present there. It has divisions of Tech, Non-tech, in campus and cultural, also there is one tab for ADMIN is present in bar which direct to ADMIN page and its backend is still under working.
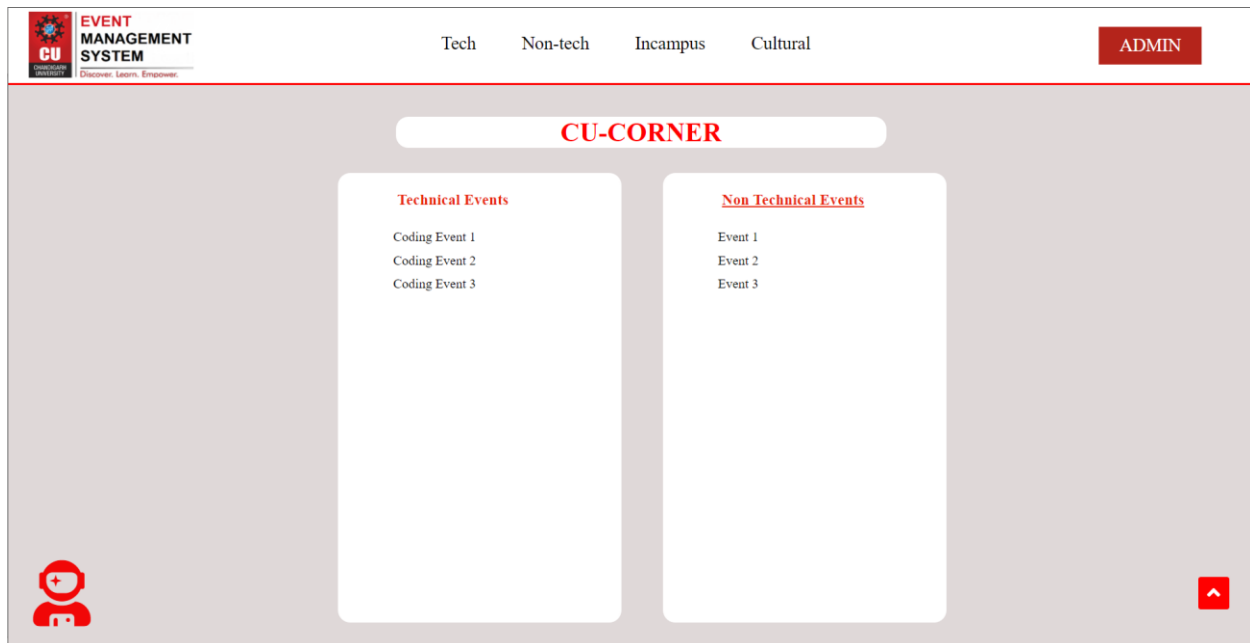
Slider

Slider is animated part of webpage; it has all the important events and competitions highlighted in slides and by clicking on it, user direct to competition page. The slides are also animated, and they automatically change to another slide.
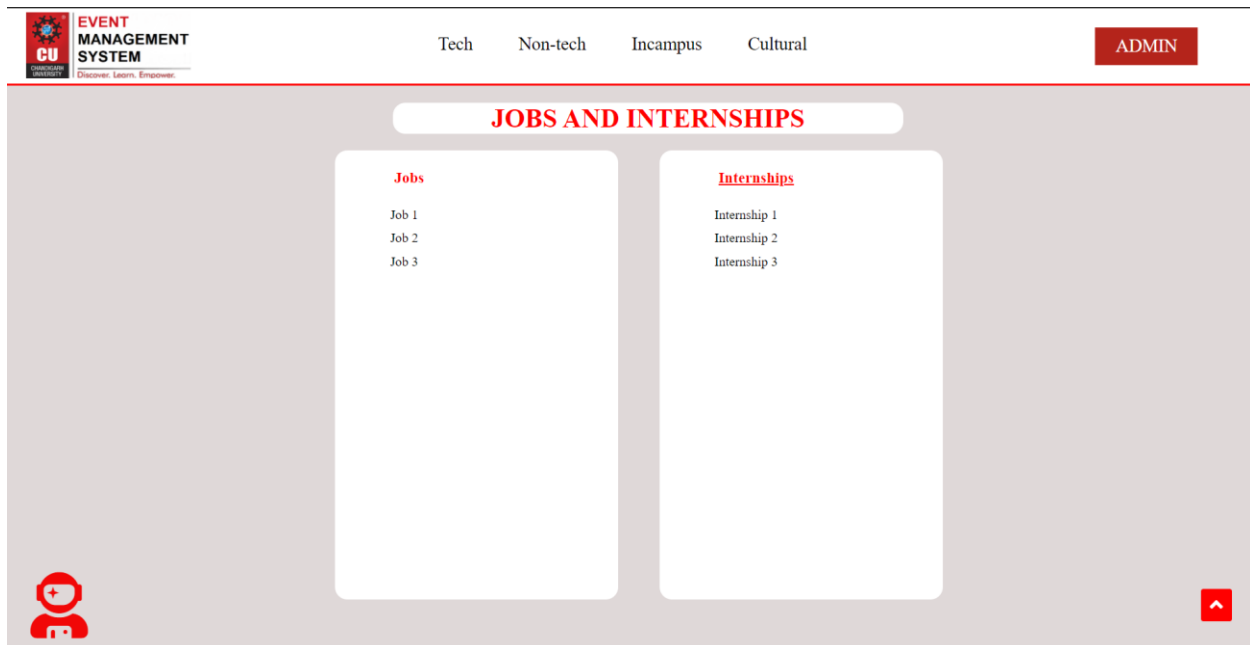
Whole page

CU-Corner

After scrolling we get to cu corner which have technical and non-technical events section and it needs to be updated and competition needs to be added also their competition tags will be there. After scrolling we get jobs and internship page.

These sections can also be access with the help of navigation bar by clicking on them we can directly access them,
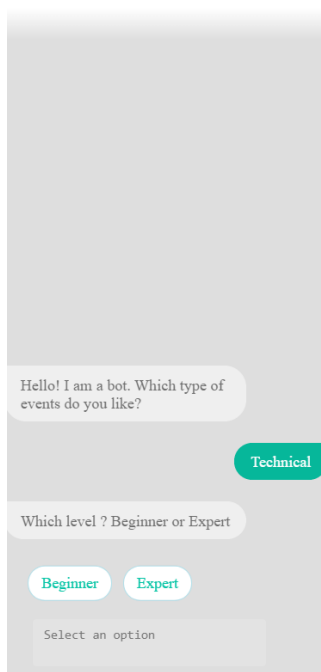
Chat Bot

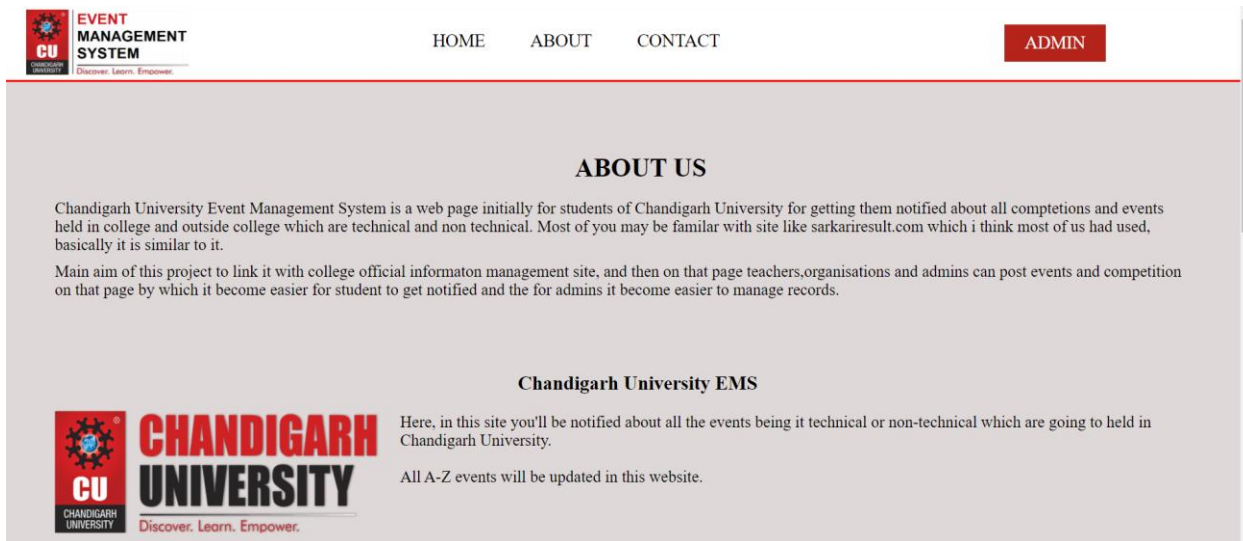By clicking astronaut icon on left side page we have chatbot

This chatbot will help student to find desire competition according to their choice of difficulty level and their interest. This bot is built with help of jQuery and it is 40% complete, in next report many new conversations will be added. Bot can easily tell the user the competition on next report and it make the user to easily to access their competition.
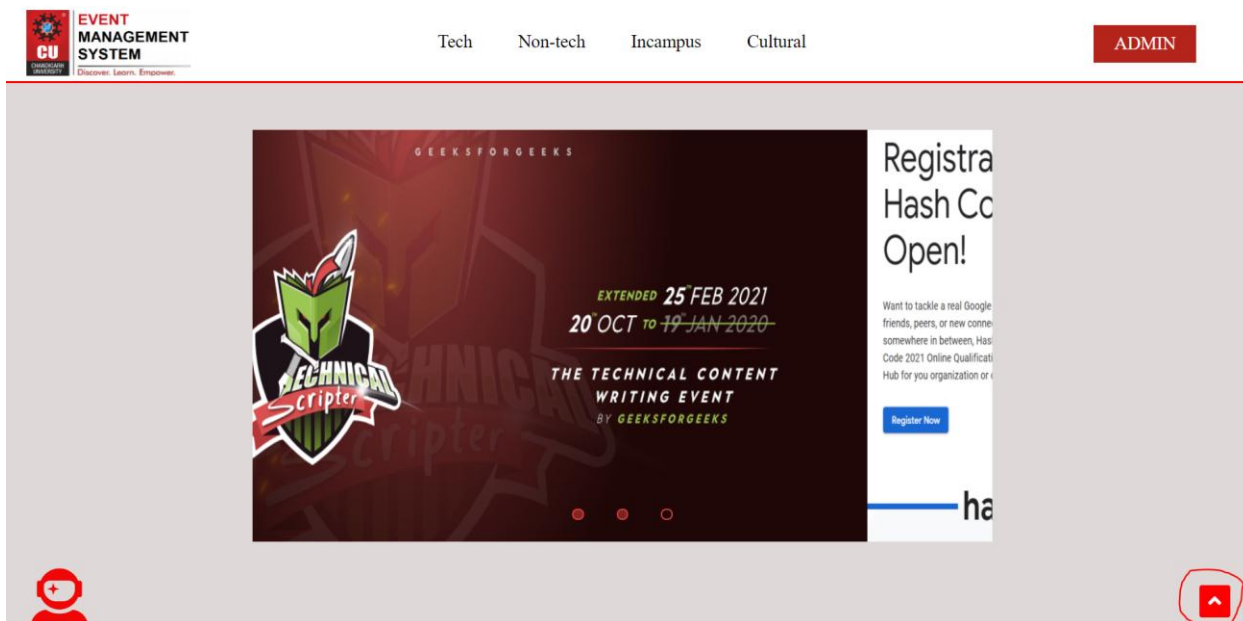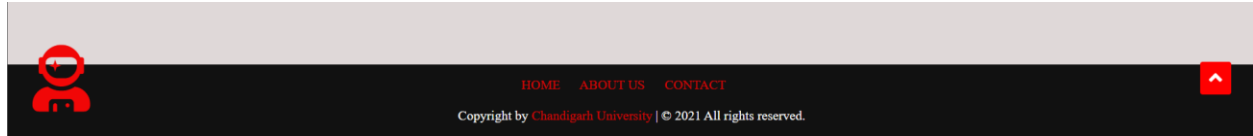
Bot Interface

About Us

This about us page have details of CUEMS and details of creator of this system and it tell us about what CUEMS is.

Arrow Button

This arrow button functionality is to move to top of the page when the user scroll down the web page.

Footer

Conclusion

Chandigarh University Event Management System is a web page initially for students at Chandigarh University for getting them notified about all competitions and events held in college and outside college which are technical and non-technical. Most of you may be familiar with site like sarkariresult.com which I think most of us had used, basically it is like it.

Main aim of this project to link it with college official information management site, and then on that page teachers, organizations and admins can post events and competition on that page by which it become easier for student to get notified and for admins it become easier to manage records.

At last Project is 45% completed.