

VIT EVENTS

PROJECT REPORT

Submitted in fulfilment for the J-Component of CSE3002-Internet and Web Programming

CAL COURSE

in

B.Tech (Computer Science with specialisation in Bioinformatics)

by

| | |
|-------------------|-----------|
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SCOPE



VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

Fall Semester 2022-2023

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Abstract:

The main objective of this project is to learn developing websites through the recent technologies that are available like Bootstrap, Node JS and using the well-known ones like Html, CSS ,PHP, MySQL and so on. Websites play an integral role in marketing any product/services. A website itself can be used to accomplish many different marketing strategies to help your business grow. A strategically developed website and online presence solution provides tremendous benefits and costing outlines. Website is operational around the clock, from the convenience of the local coffee shop, their couch or their bed and clients can easily access the website and services. By using a website, one can continuously serve consumers online and increase credibility as a business owner. There are lots of marketing strategies that one can use to advertise and market business. All online marketing strategies have been proven to be effective but website development plays one of the major role. So using a well planned structure, this project aims at increasing the reach of the various events happening in VIT. With a well-formed website, the students can know about the upcoming events and activities, This will help in the publicity of the events and give a rough estimate of the number if participants interested in it.

Introduction:

This project aims at facilitating effective marketing of VIT events, and spreading awareness about the recent happenings and upcoming events planned or being planned by various clubs and chapters existing and helping in recruitment in VIT , also able to show us the activity graph of the events happening each month with recruitments happening each month to help the students to make better decision on the recruitment process and It will also give the admin functionality to take the recruitment interviews in this platform with the addition of new club and also it gives the most important of all it makes a event report in a event format and also sends it to the faculty coordinator. The admin panel can view the name of students who applied for the recruitment process and also can search club wise. The language that has been used in the development include HTML, CSS and JavaScript with basic functionalities and for the backend procedure we have incorporated with PHP and MySQL connection. Some frameworks like bootstrap has been utilized in the process.

Problem Statement:

Reasons for choosing the topic:

There doesn't exist any such website that helps the club and chapter in publicizing their events from the day they plan it. This website will not only help in gaining publicity and get a rough estimate of the number of participants. This will help the clubs to plan for more helpful and attractive and come up with more innovative ideas. The clubs and chapters also make their own websites for their particular events. But not many tend to visit it. If user can get all the things one place, then it will be easier for them as well. The current websites that are developed for individual events have many problems, websites tend to be outdated, poorly optimized, very generic, suffer from poor designs, complicated to navigate through, have too many textures and colors. Either the front end is over fitting and the back end under fits or vice versa. Therefore, the website developed is the right blend, which not only is eye catching but also reliable and easy to use.

The website that is developed will help the user to get all the information in one place and will be in touch with the current happenings in the college. They will get a time to time update of whatever is upcoming. The clubs and chapters will also get a rough estimate of the turnover of the participants. This will help them in deciding whether to continue with the event or not. This will help in saving the resources from being wasted. The website strives for consistency, it utilizes common graphical elements such as common fonts, colors, button positions and shape. All elements are orderly placed and cater to a wide range of users. The website provides a system for informative feedback, not a one-way interaction. It provides easy reversal of action and uses prompts to prevent error. The website is well structured with simple task structures which though simplistic are quite efficient. The website considers semantic, syntactical and interaction level abstraction of knowledge for faster implementation and easy navigation through the website. The website uses bold and big buttons that are easier to spot and use, ensuring proper visibility of the components of the website. An amalgamation of the user's mental and conceptual model the website fulfills all the requirements.

Modules :

Administrator:

Administrator has the portal which consists of:

- Details of the VIT students
- Details of the students interested in a particular event
- Details of the upcoming events like date, time, venue

Users:

Users can garner information about the upcoming events that the various clubs and chapters. As soon as the website loads there is homepage which consists a navigation bar that will guide the user to different web pages. As soon as the user clicks on Discover Now, he/she will be guided to a page all the clubs and chapters are briefly described and with their tentative events or a slight hint of it to keep the user lured for further details. The next page followed by this is About us which will let the user know more about the event or the fest through a small video. User will be then guided to a Top Events page which will let him/her explore the best upcoming events and its details like time, date and tentative venue. If they are interested they can hit the 'I am interested' button. This helps the administrator to give a rough count of the number of participants to the clubs and chapters. According to the turnover the clubs and chapters can come with the needed modifications or out of the box ideas to lure more participants and make their event a success. Followed to this is an image gallery which consists images of the previously conducted/hosted events by the respective student led clubs and chapters. Lastly, the user is guided to an interactive page where he/she can fill in his/her details to get newsletter and be in touch with the happenings on the campus. This will help in increasing the reach since most of the students keep browsing various websites online. It's a win win situation for all here as it will be fruitful to both. The users will be fed with correct information from time to time and this will help the clubs and chapters achieve their target faster in a easier and a smoother way

SOFTWARE REQUIREMENTS :

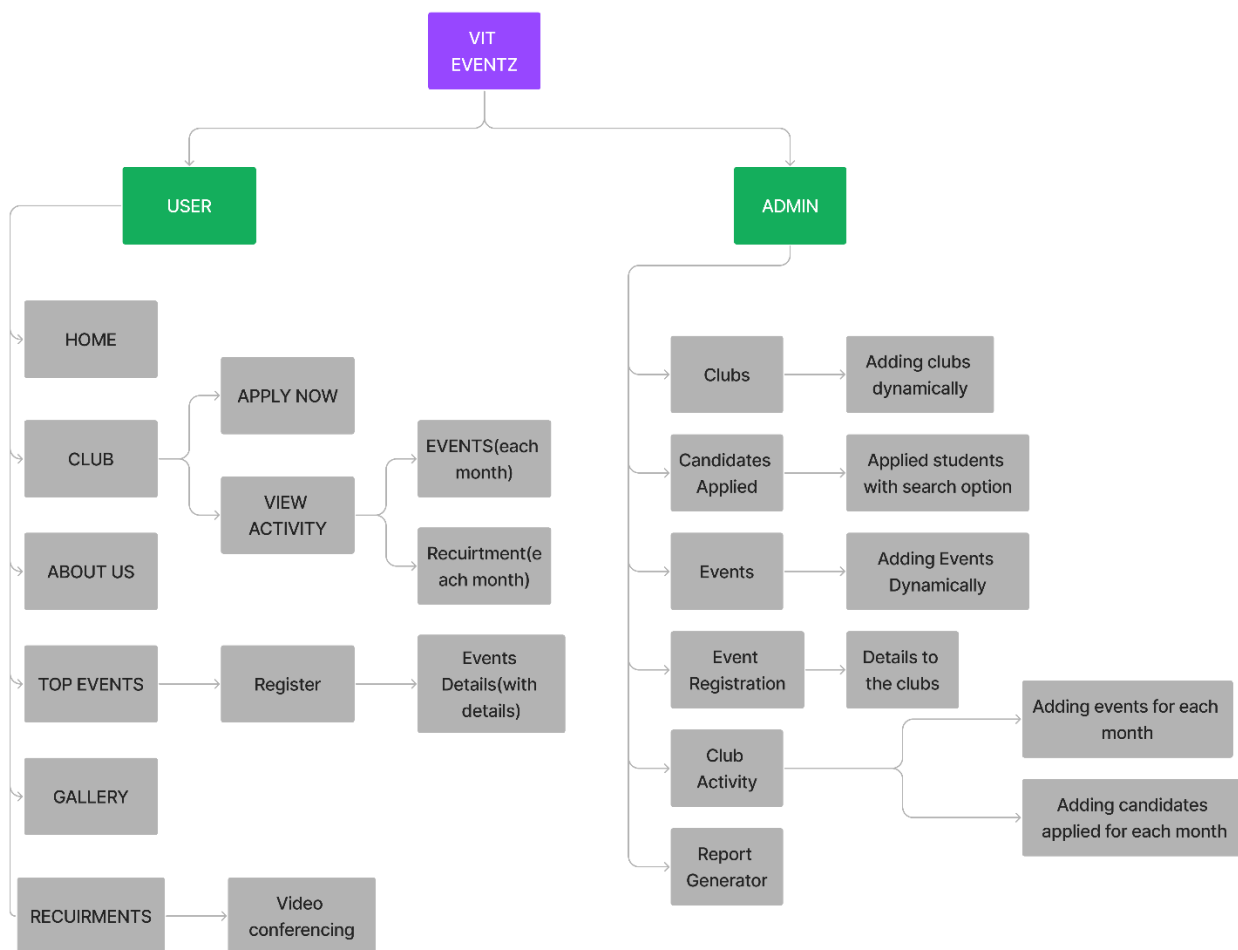
2.1.1 FRONT END • HTML • CSS • JAVASCRIPT • BOOTSTRAP FRAMWORK

2.1.2 SERVER-SIDE SCRIPTING LANGUAGE • PHP • JQUERY 2.1.3 BACKEND • NODE JS

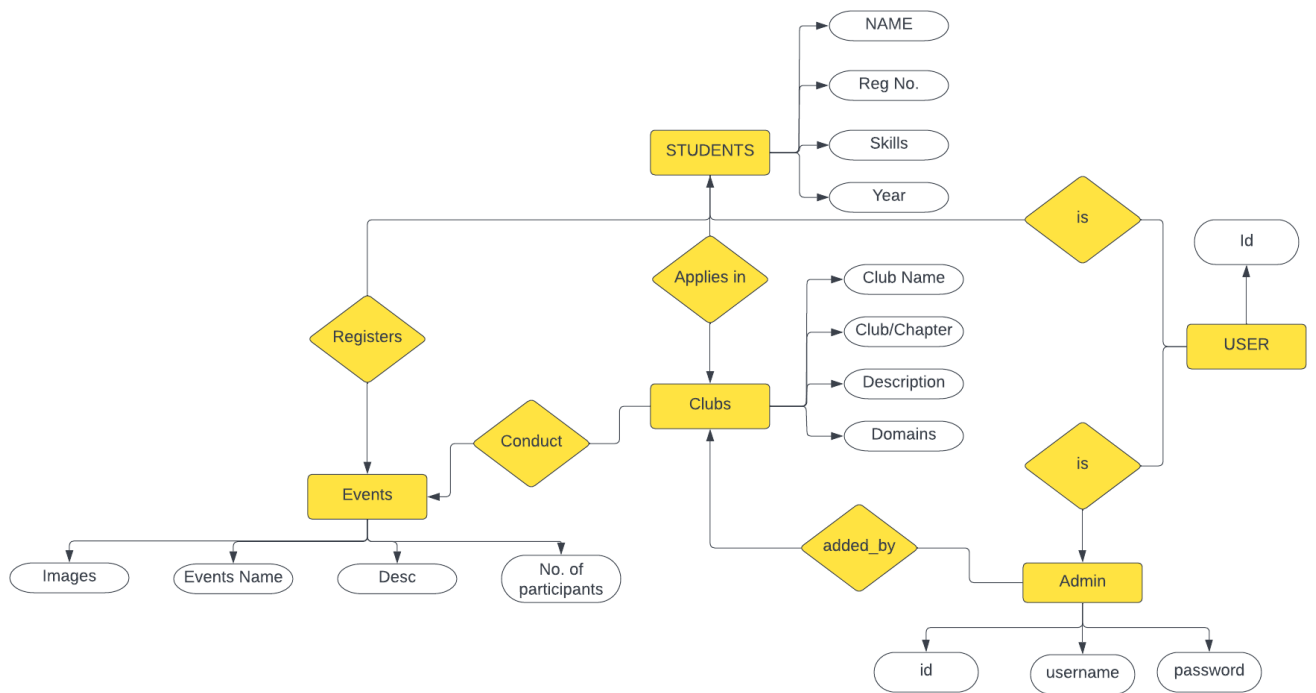
2.1.4 EDITOR USED • ATOM • VISUAL STUDIO CODE 5

2.1.5 APP HOSTING SERVICES • HEROKU – CLOUD APPLICATION PLATFORM

Process Flow Diagram:



ER Diagram:



DATABASE DESIGN

Server: localhost:3311 » Database: clubs

Structure SQL Search Query Export Import Operations Privileges Routines Events Tr

Filters

Containing the word:

| Table | Action | Rows | Type | Collation | Size | Overhead |
|---------------------------------------|---|-----------|---------------|---------------------------|-----------------|------------|
| <input type="checkbox"/> clubs | ★ Browse Structure Search Insert Empty Drop | 7 | InnoDB | utf8mb4_general_ci | 16.0 KiB | - |
| <input type="checkbox"/> events | ★ Browse Structure Search Insert Empty Drop | 4 | InnoDB | utf8mb4_general_ci | 16.0 KiB | - |
| <input type="checkbox"/> registration | ★ Browse Structure Search Insert Empty Drop | 1 | InnoDB | utf8mb4_general_ci | 16.0 KiB | - |
| <input type="checkbox"/> students | ★ Browse Structure Search Insert Empty Drop | 6 | InnoDB | utf8mb4_general_ci | 16.0 KiB | - |
| <input type="checkbox"/> users | ★ Browse Structure Search Insert Empty Drop | 1 | InnoDB | utf8mb4_general_ci | 16.0 KiB | - |
| 5 tables | Sum | 19 | InnoDB | utf8mb4_general_ci | 80.0 KiB | 0 B |

TABLES:

- Clubs:**

Server: localhost:3311 » Database: clubs » Table: clubs

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking

Table structure Relation view







| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|----------------------------|---------------|--------------|--------------------|------------|------|---------|----------|----------------|----------------------|
| <input type="checkbox"/> 1 | s_no 🔑 | int(11) | | | No | None | | AUTO_INCREMENT | ✎ Change ➖ Drop More |
| <input type="checkbox"/> 2 | Cname | varchar(200) | utf8mb4_general_ci | | No | None | | | ✎ Change ➖ Drop More |
| <input type="checkbox"/> 3 | Dname | varchar(200) | utf8mb4_general_ci | | No | None | | | ✎ Change ➖ Drop More |
| <input type="checkbox"/> 4 | Cdesc | varchar(255) | utf8mb4_general_ci | | No | None | | | ✎ Change ➖ Drop More |

- Events:**























Table structure Relation view

| # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
|----------------------------|--------------|--------------|--------------------|------------|------|---------|----------|----------------|----------------------|
| <input type="checkbox"/> 1 | id 🔑 | int(11) | | | No | None | | AUTO_INCREMENT | ✎ Change ➖ Drop More |
| <input type="checkbox"/> 2 | Ename | varchar(50) | utf8mb4_general_ci | | No | None | | | ✎ Change ➖ Drop More |
| <input type="checkbox"/> 3 | Cname | varchar(50) | utf8mb4_general_ci | | No | None | | | ✎ Change ➖ Drop More |
| <input type="checkbox"/> 4 | Venue | varchar(100) | utf8mb4_general_ci | | No | None | | | ✎ Change ➖ Drop More |



















- Registration:

| <div>  Table structure  Relation view </div> | | | | | | | | | | |
|--|---|---|--------------|--------------------|------------|------|---------|----------|----------------|--|
| | # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
| <input type="checkbox"/> | 1 | id  | int(11) | | | No | None | | AUTO_INCREMENT |  Change  Drop  More |
| <input type="checkbox"/> | 2 | Regno | varchar(50) | utf8mb4_general_ci | | No | None | | |  Change  Drop  More |
| <input type="checkbox"/> | 3 | Name | varchar(50) | utf8mb4_general_ci | | No | None | | |  Change  Drop  More |
| <input type="checkbox"/> | 4 | Email | varchar(100) | utf8mb4_general_ci | | No | None | | |  Change  Drop  More |
| <input type="checkbox"/> | 5 | Ename | varchar(100) | utf8mb4_general_ci | | No | None | | |  Change  Drop  More |
| <input type="checkbox"/> | 6 | Phno | varchar(100) | utf8mb4_general_ci | | No | None | | |  Change  Drop  More |
| <input type="checkbox"/> | 7 | Eyear | int(5) | | | No | None | | |  Change  Drop  More |

- Students:

| <div>  Table structure  Relation view </div> | | | | | | | | | | |
|--|---|---|--------------|--------------------|------------|------|---------|----------|----------------|--|
| | # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
| <input type="checkbox"/> | 1 | id  | int(11) | | | No | None | | AUTO_INCREMENT |  Change  Drop  More |
| <input type="checkbox"/> | 2 | Regno | varchar(50) | utf8mb4_general_ci | | No | None | | |  Change  Drop  More |
| <input type="checkbox"/> | 3 | Name | varchar(255) | utf8mb4_general_ci | | No | None | | |  Change  Drop  More |
| <input type="checkbox"/> | 4 | Email | varchar(200) | utf8mb4_general_ci | | No | None | | |  Change  Drop  More |
| <input type="checkbox"/> | 5 | Cname | varchar(50) | utf8mb4_general_ci | | No | None | | |  Change  Drop  More |
| <input type="checkbox"/> | 6 | Dname | varchar(50) | utf8mb4_general_ci | | No | None | | |  Change  Drop  More |
| <input type="checkbox"/> | 7 | Cyear | varchar(10) | utf8mb4_general_ci | | No | None | | |  Change  Drop  More |

- Users:

| <div>  Table structure  Relation view </div> | | | | | | | | | | |
|--|---|---|--------------|--------------------|------------|------|---------|----------|----------------|--|
| | # | Name | Type | Collation | Attributes | Null | Default | Comments | Extra | Action |
| <input type="checkbox"/> | 1 | s_no  | int(11) | | | No | None | | AUTO_INCREMENT |  Change  Drop  More |
| <input type="checkbox"/> | 2 | Name | varchar(50) | utf8mb4_general_ci | | No | None | | |  Change  Drop  More |
| <input type="checkbox"/> | 3 | ph_no | varchar(50) | utf8mb4_general_ci | | No | None | | |  Change  Drop  More |
| <input type="checkbox"/> | 4 | Email | varchar(200) | utf8mb4_general_ci | | No | None | | |  Change  Drop  More |
| <input type="checkbox"/> | 5 | Password | varchar(200) | utf8mb4_general_ci | | No | None | | |  Change  Drop  More |

CONCLUSION

The diversity of clubs and chapters in VIT, is one of its most salient feature for overall development of a student. Students get a great opportunity to showcase their interests and develop team work quality . But this great advantage also comes with few drawbacks like managing all the clubs, keeping a regular track of events, maintaining proper working panel in each club etc. VIT EVENTS handles all the drawbacks with atmost ease. It has every necessary feature to keep all the clubs maintained , without any use of external website. It takes care of everything from club description, publicising, registering for events, recruiting new members, assigning new board, handling club meetings and conducting events without any issue. We further aim to launch this website and try that our contribution will be useful for all the VITIANS.

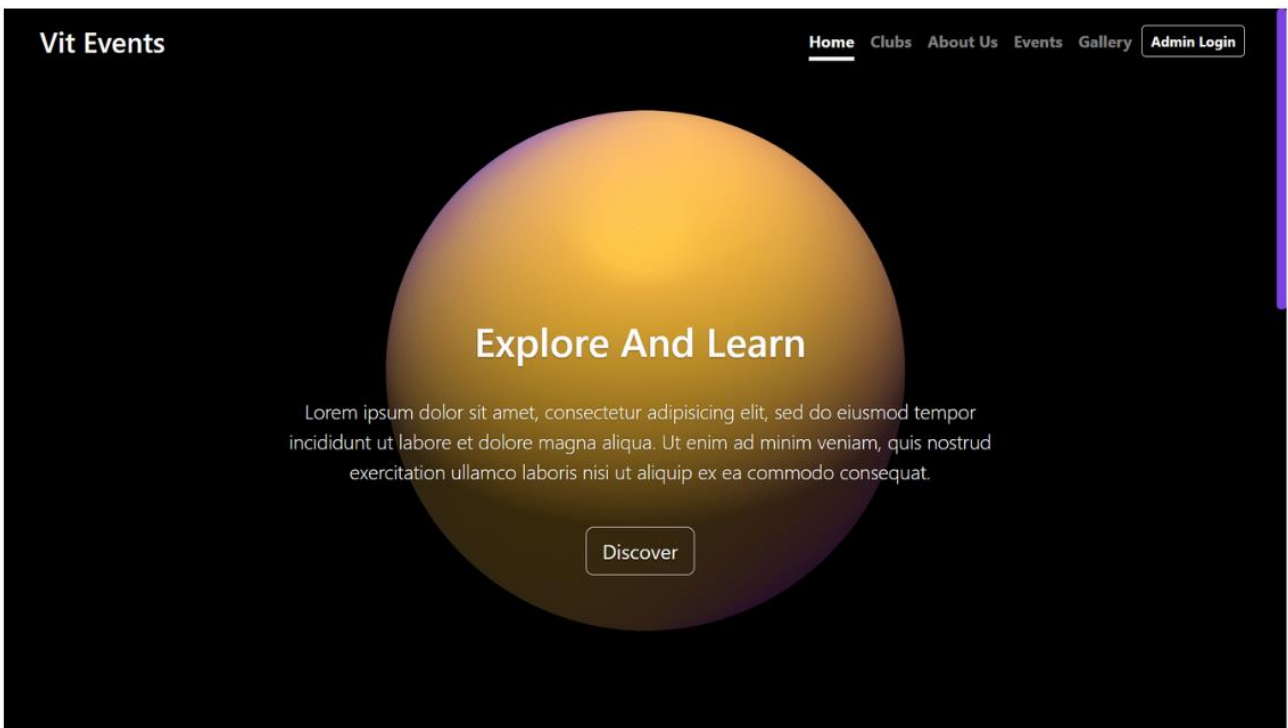
REFERNCES

1. https://www.w3schools.com/php/php_mysql_create_table.asp
2. <https://getbootstrap.com/>
3. <https://pyfpdf.readthedocs.io/en/latest/>
4. <https://www.geeksforgeeks.org/php-fpdf-pdf-generator/>
5. https://www.w3schools.com/js/js_graphics_chartjs.asp
6. https://www.w3schools.com/html/html_forms.asp
7. <https://freefrontend.com/css-cards/>
8. <https://flashphoner.com/embedding-webrtc-video-conferencing-2/>
9. https://developer.mozilla.org/en-US/docs/Web/CSS/CSS_Animations/Using_CSS_animations
10. <https://stackoverflow.com/questions/2263096/css-file-not-refreshing-in-browser>

SNAPSHOTS

1. Home Page Section

Home Page contains a navigation bar in which every functionality is been added to navigate to your designated section



Clubs Section:

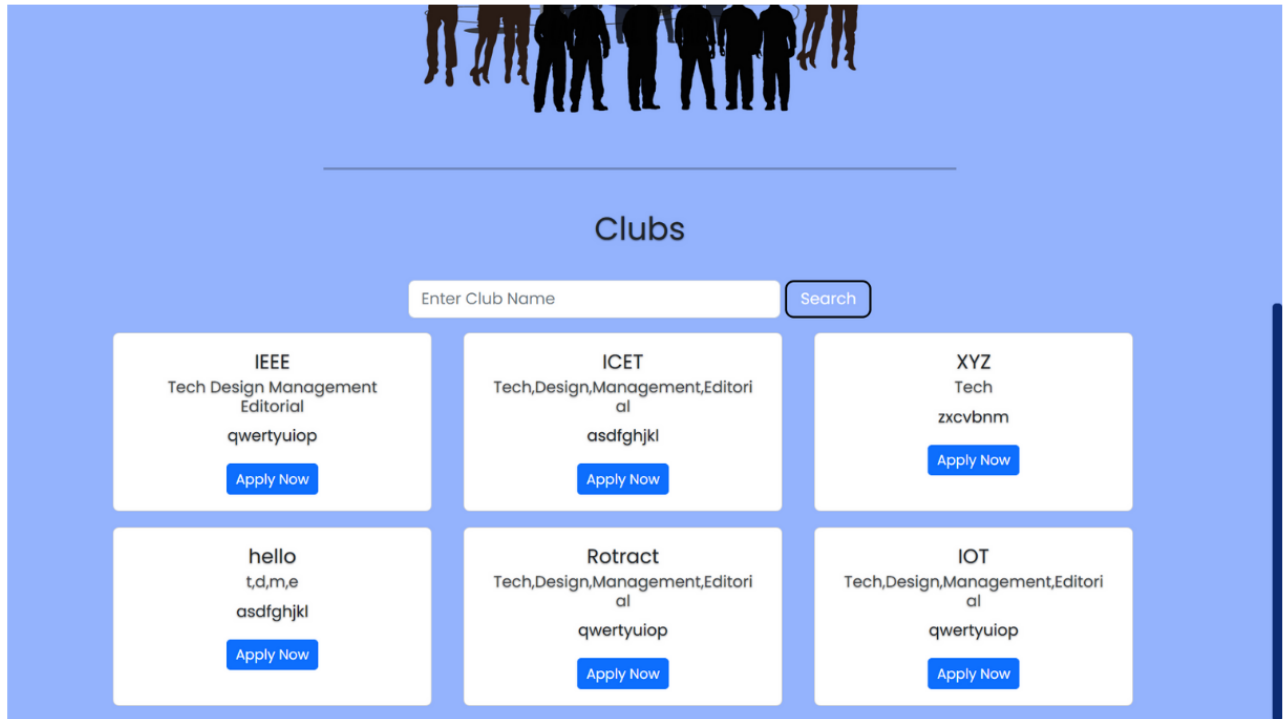


CLUBS

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

[Explore](#)





Recruitment:

Recruitment

Registration no:

Name:

Email:

Club name:

-----SELECT-----

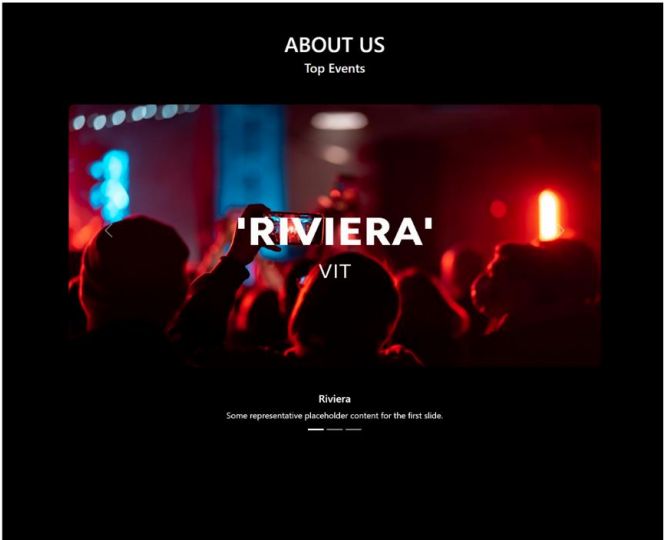
Domain:

Current year: 1

Close Apply

About us Section

A carrousel to show you different events happening with details



Clubs Section



TOPEVENTS

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Explore



Events



Event1

IEEE

Greenos

Register



Event2

XYZ

TT

Register



Event3

Rotract

SJT

Register



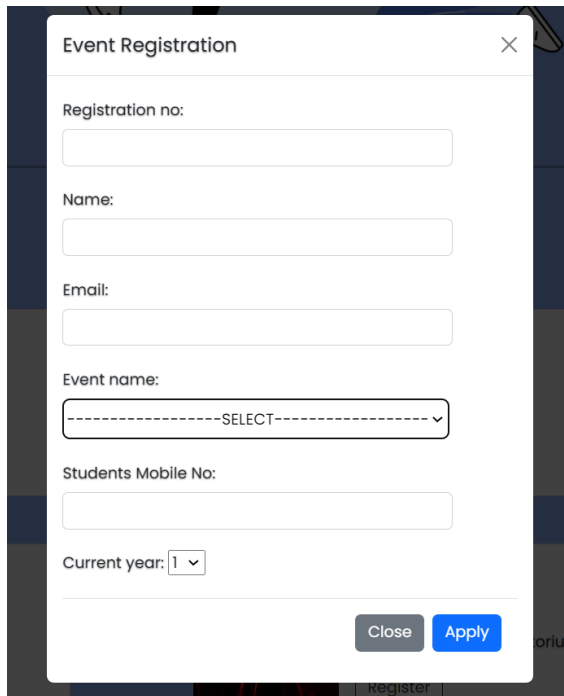
Event4

ABC

Dr.Chenna Reddy Auditorium

Register

Event Registration:

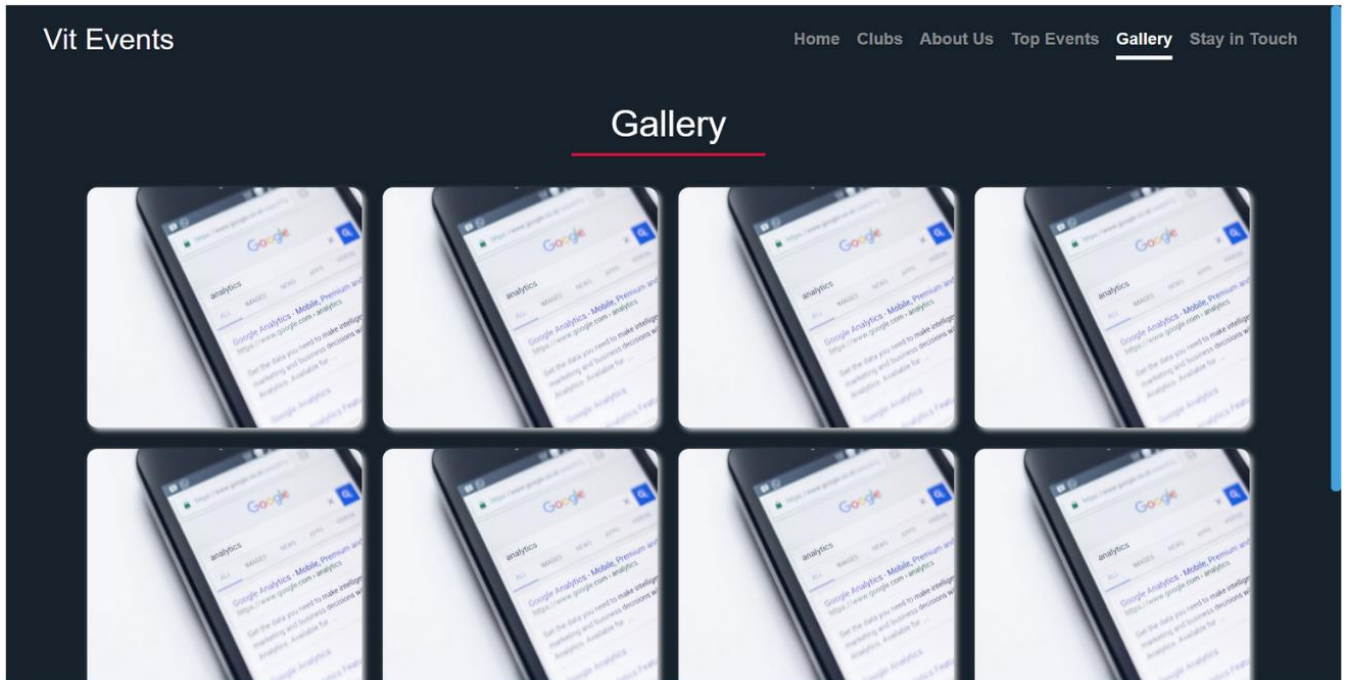


The image shows a modal window titled "Event Registration" with a close button (X) in the top right corner. The form contains the following fields:

- Registration no:
- Name:
- Email:
- Event name:
- Students Mobile No:
- Current year:

At the bottom right of the modal are two buttons: "Close" (grey) and "Apply" (blue).

Gallery



Admin Portal

Admin Dashboard

Clubs
Cadidates Applied
Events
Event Registration

Post Clubs

Club/Chapter Name

Domains

Description

Submit

| # | Club/Chapter Name | Domains |
|---|-------------------|----------------------------------|
| 1 | IEEE | Tech Design Management Editorial |
| 1 | ICET | Tech,Design,Management,Editorial |
| 1 | XYZ | Tech |
| 1 | hello | t,d,m,e |

Admin Dashboard

Clubs

Enter Club/Chapter Name

Search

| | #Regno | Candidate Name | Candidate Email | Club/chapter Name | Domain |
|--------------------|-----------|------------------|-----------------------|-------------------|--------|
| Candidates Applied | 20BCB0129 | K SAI SRI HARSHA | harshakss23@gmail.com | IEEE | TECH |
| Events | 20BCB0124 | SHUBHAM | harshakss@yahoo.com | XYZ | Design |
| Event Registration | 20BME0683 | Venkat | asdfghjk@gmail.com | IEEE | Tech |
| | 20BCB0124 | SHUBHAM | harshakss23@gmail.com | IEEE | TECH |

Admin Dashboard

Clubs

Candidates Applied

Events

Event Registration

Post Events

Event Name

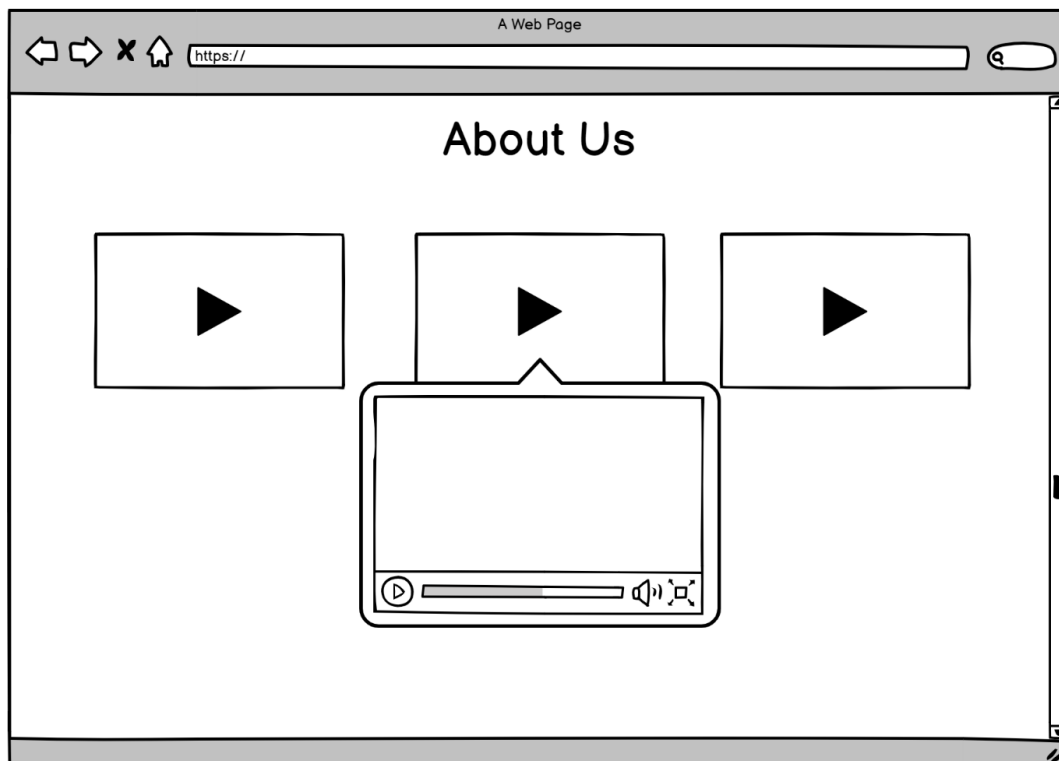
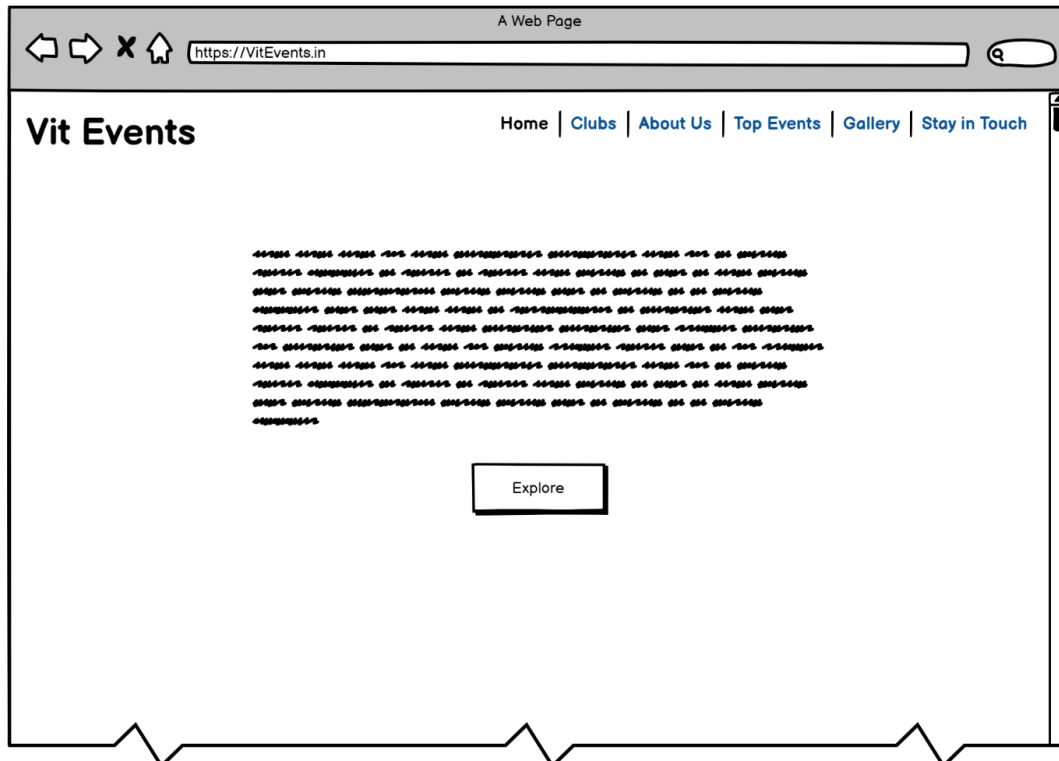
Club Name

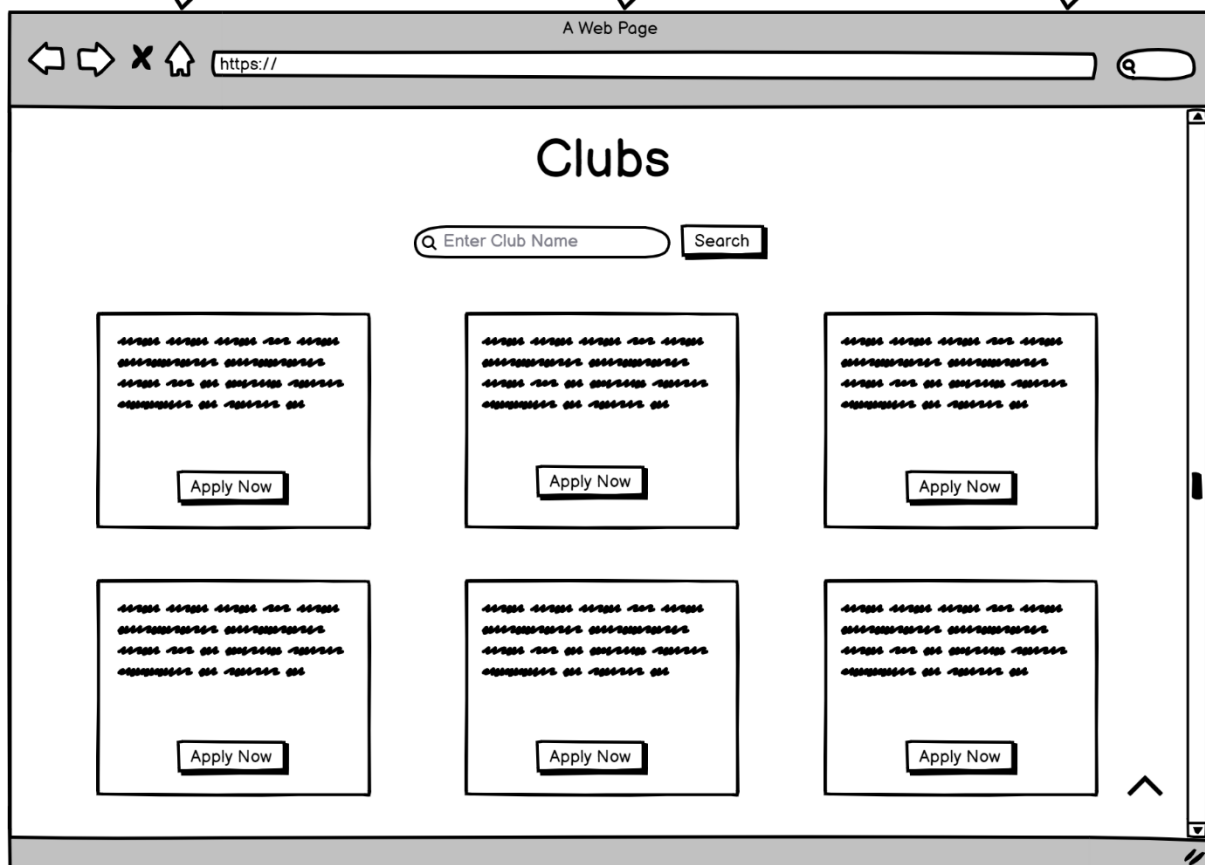
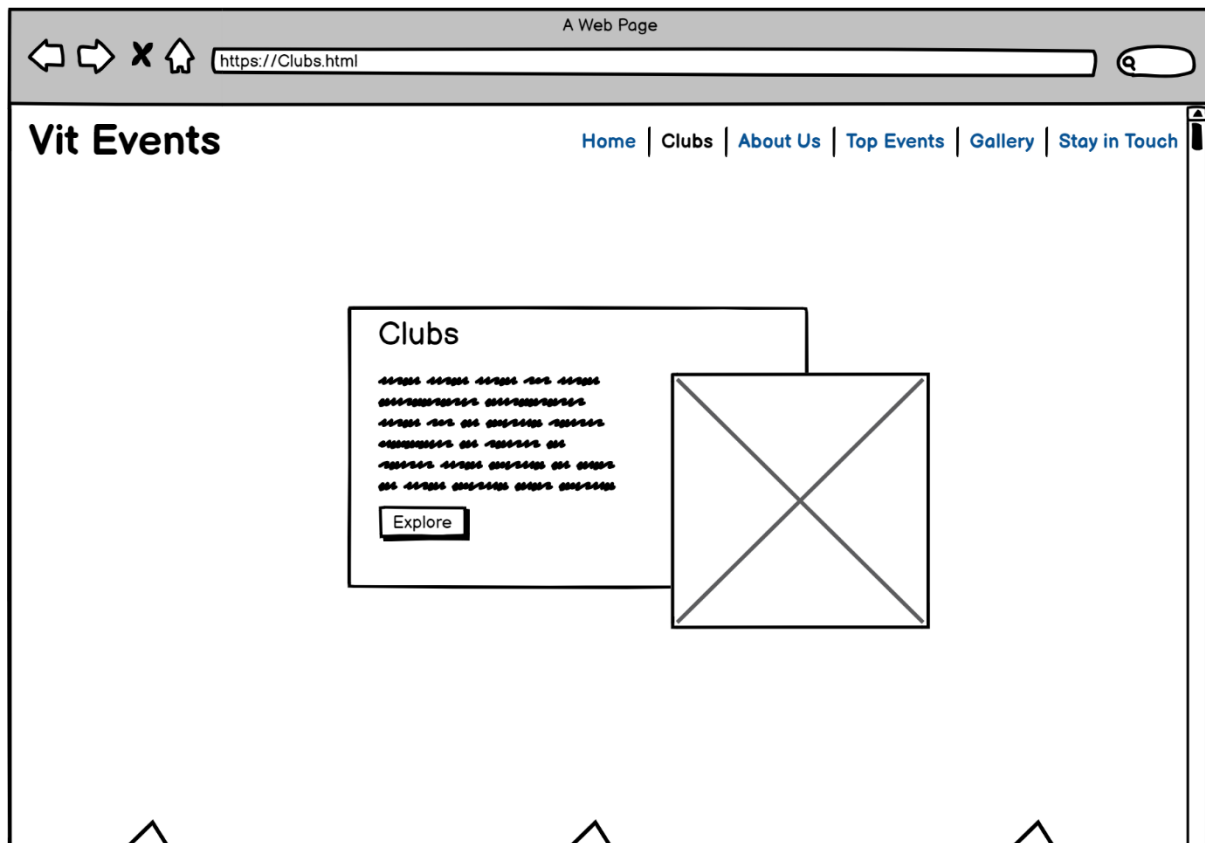
Venue

Submit

| # | Event Name | Club/Chapter Name |
|---|------------|-------------------|
| 1 | Event1 | IEEE |
| 2 | Event2 | XYZ |
| 3 | Event3 | Rotract |
| 4 | Event4 | ABC |

| Admin Dashboard | | | | | |
|---|---|------------------|---------------------------------------|------------|--------------|
| Clubs Candidates Applied Events Event Registration | <input type="text" value="Enter Event Name"/> | | <input type="button" value="Search"/> | | |
| | #Regno | Candidate Name | Candidate Email | Event Name | Phone Number |
| | 20BCB0129 | K SAI SRI HARSHA | sai.sriharsha2020@vitstudent.ac.in | Event1 | 9182209391 |





A Web Page

X

https://

Vit Events

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Recuritments

IEE 2022 Recuritments

Reg No

Name

Name

Submit

