Workflow

This Website Contains IT association,IIC,IEF and EMDC Contents.

1.Overview

The **IEF website** is a web platform used for managing the events on each cells and Association with user registrations and team management. It is an overall place for a total event management of participants with pictographical charts and information details of the participants.

2.User Side Dashboard

The user side dashboard is exclusive for the students and it is open to all in the Kongu Engineering College and the students can register for the events released by our **IT Association** and **IIC,IEF** and **EMDC**

```
- It contains the details of**upcoming events** which are to be released by
the **Association and Cells**
- The students can view and **register** for the events and they'll receive
the email based on their registered email with team Collaboration.
```

3.Admin Side Dashboard

The Admin side dashboard contains the **event management** that should be done by the admin of each **cell and Assocaiation**. This will reduce the event management by the associations and can view the details of each event in the particular dashboard.

```
- Asociation and Cells admins are separated by access management which help
in maintaining Admins
- Admin can create The events and They can manage the participants and their
lists
```

4.Chatbot And Notification Management:

In this Module The Team Notifications are sent to their registered email and students can accept to collaborate on teams for the event participation

We Thought an Idea of placing a **Chatbot** which will give answers about our **IT assocaiation** and Cells Associated.

5.Preferred Tech Stack:

```
Option 1: Flask-Based Architecture
• Frontend: HTML, CSS, JavaScript
• Backend: Flask (Python)
• Database: MongoDB
• Best suited for lightweight, Python-driven systems.

Option 2: Node.js-Based Architecture
• Frontend: HTML, CSS, JavaScript
• Backend: Node.js with Express
• Database: MongoDB
• Suitable for scalable REST-based applications.


Option 3: MERN Stack (Recommended for Scalability)
• Frontend: React
• Backend: Node.js with Express
• Database: MongoDB
• Best for modern UI, scalability, and long-term maintainability.
```