IIC DATA MANAGEMENT

DESCRIPTION: IIC event conduction follow-up and approval of proofs.

NAME	SURYA PRAKASH K
ROLL NUMBER	7376221EI152
SEAT NO.	432
PROJECT ID	32
PROJECT TITLE	IIC DATA MANAGEMENT

COMPONENT TECH STACK:

Front-end	● Angular(Js Framework)
Back-end	● Express.js(Web framework for Node.js) ● Node.js(Javascript runtime environment)
Database	● MongoDB(NOSQL Database)
API	● RESTful API / GraphQL APIs

PROBLEM STATEMENT:

- Colleges often organize various events, such as seminars, workshops, and cultural festivals, to engage students, faculty, and the community.
- These events require effective data management for **event conduction follow-up and approval of proofs for promotional materials**. The current manual processes for managing these tasks are time-consuming and lack efficiency.
- The college seeks a data management solution that can streamline these processes, improve productivity, and enhance collaboration. The existing

systems and processes are not optimized for handling these tasks, leading to inefficiencies and delays.

- The college aims to implement a solution that can automate and streamline event follow-up activities, as well as **provide a transparent and efficient proof approval process.**

1. PROJECT FLOW:

1.1. PURPOSE:

The purpose of the Institution's Innovation Council (IIC) webpage, specifically tailored to a college setting, is to foster innovation, entrepreneurship, and a culture of creativity among students, faculty, and staff within the college. **It aims to nurture an innovation ecosystem within the college and empower students** with the skills and mindset required for the rapidly evolving professional landscape.

1.2. SCOPE OF PROJECT:

The IIC, tailored to a college setting, aims **to create an environment that encourages innovative thinking, entrepreneurship, and collaboration among students, faculty, and staff.** By providing information, resources, networking opportunities, and showcasing success stories, the webpage nurtures a culture of innovation and empowers college members to explore their creative potential, develop entrepreneurial skills, and contribute to societal and economic growth through their ideas and ventures.

2. SYSTEM OVERVIEW:

2.1. USERS:

1. **Students:** They have the ability to submit applications for event approval, upload relevant documents(i.e. videos, posters, links), monitor the status of their application, schedule appointments following approval, and review their event interaction history.

2. **Admins:** Review submitted event applications, approve or reject applications (with remarks).

3. SYSTEM REQUIREMENT SPECIFICATION:
3.1. FUNCTIONAL REQUIREMENTS:

❖ **Event Activity Type contains:**

➢ **IIC Calendar Activity**: Institutes are encouraged to do a greater number of activities from the calendar beyond the prescribed minimum. It is expected that institutes which are in the emerging phase of the innovation ecosystem- will follow the calendar plan vividly.

➢ **MIC Driven Activity:** All the activities under this division are mandatory. You have to attend / organize those activities.

➢ **Celebration Activity:** IIC have given some celebration activity, under that type you have to conduct at-least one activity per quarter. For one academic year you have to conduct four activities under Celebration.

➢ **Self-Driven Activity:** IICs are encouraged to plan their own activities apart from the IIC calendar for promoting entrepreneurship and innovation in their campuses. And it contains:

- Event Title
- Mode of event: online / offline.
- Event Theme
  ◆ IPR
  ◆ R&D and Innovation
  ◆ Entrepreneurship
  ◆ Startup
- Short description of the event explaining what kind of activity / topic should be covered in that event.
- Duration of that event.
- Minimum participant count for that event should be minimum 200.
- Event Start Date.

- ● Event End Date.
- ● URL for the event.
- ● Upload Brochure.
  - ➢ **My Activity Calendar:** In this page what are all the activities you have chosen to conduct for that academic year.

❖ **Level declaration:**
  - ➢ <u>**Level 1**</u>
    - ○ **Event Type:** Expert Talks/ Mentoring Sessions/Exposure Visits
    - ○ **Duration of the activity:** 1 to 4 contact hours (Less than half a day)
  - ➢ <u>**Level 2**</u>
    - ○ **Event Type:** Workshop/ Seminar/Conference/ Exposure Visits
    - ○ **Duration of the activity:** 5 to 8 contact hours (Less than a day)
  - ➢ <u>**Level 3**</u>
    - ○ **Event Type:** Workshop/ Boot camps/Exhibitions/Demo Day / Competitions / Hackathons
    - ○ **Duration of the activity:** 9 to18 contact hours (1 -2 days)
  - ➢ <u>**Level 4**</u>
    - ○ **Event Type:** Tech-Fest/Challenges/Hackathons/Competitions/Boot camps
    - ○ **Duration of the activity:** Greater than 18 contact hours (More than 2 days)

❖ **Quarters declaration:**
  - ➢ **Quarter 1:** January - March month.
  - ➢ **Quarter 2:** April - June month.
  - ➢ **Quarter 3:** July - September month.
  - ➢ **Quarter 4:** October - December month.

❖ **Application status:**
  - ➢ Students can view the current status of their application.

- ➤ If the application is rejected then the remarks are shown.
- ➤ Students can also see the logs of their applications.
- ❖ **Activity Report upload contains**(After Approval):
  - Promotion in social media
    - ◆ Twitter
    - ◆ Facebook
    - ◆ Instagram
    - ◆ LinkedIn
  - Program theme
    - ◆ IPR and Technology Transfer
    - ◆ Innovation and Design Thinking
    - ◆ Entrepreneurship and startup
    - ◆ Pre Incubation and Incubation management
  - Duration of Event
  - Event Start date
  - Event End Date
  - Number of Student Participants
  - Number of Faculty Participants
  - Number of external Participants
  - Expenditure for that event
  - Remark
  - Mode of session delivered
  - Overview
    - ◆ Objective
    - ◆ Benefits
  - Attachments
    - ◆ Video URL
    - ◆ Photograph 1
    - ◆ Photograph 2
    - ◆ Overall report of the activity

❖ **Admin Dashboard:**
  - ➢ Admins can view a list of all submitted event applications.
  - ➢ Applications can be filtered by category (Levels, Quarters). ∘ Admins can view details of each application.
  - ➢ Admins can approve or reject applications with suitable remarks.

❖ **Analytics Dashboard:**
  - Admin can view the number of applications by its category
  - Number of events is requested based on the category.

3.2. NON-FUNCTIONAL REQUIREMENTS :

- **Event Conduction Follow-up:** The solution should enable efficient tracking and management of post-event activities. It should facilitate easy collaboration among event organizers.
- **Proof Approval Process:** The solution should provide a streamlined and transparent process for proof approval of marketing materials. It should allow us to easily review, provide feedback, and track the progress of proof approval.
- **Document Management:** The solution should offer a centralized repository for storing and organizing event-related documents.
- **Automation and Integration:** The solution should automate routine tasks, such as data entry, notifications, and reminders, to reduce manual effort and minimize errors.
- **Scalability:** The solution should be scalable to accommodate the growing needs of the IIC, supporting multiple events simultaneously and handling increasing volumes of data without compromising performance.

boardmix

IIC DATA MANAGEMENT

FOUR SECTIONS
1)EDC
2)IIC
3)STARTUP
4)TBI

DISPLAY HOME PAGE WITH FOUR SECTIONS

DISPAY THE ACHIEVEMENTS & EVENTS OCCURED

LOGIN

IF USER

IF ADMIN

USER PAGE

ADMIN PAGE

WHEN STARTUP OR EDC SECTION IS CLICKED

WHEN STARTUP OR EDC SECTION IS CLICKED

AND SHOULD BE MARKED COMPLETED ONLY WHEN THEY WATCH IT WITHOUT SKIP

WHEN IIC IS CLICKED

CAN SEE ALL THE VIDEOS

THE VIDEOS FOR THE BELOW SECTIONS
1)EDC
2)STARTUP

CAN UPLOAD VIDEOS

WHEN IIC IS CLICKED

1)SELF-DRIVEN
2)MIC DRIVEN
3)CALENDAR
4)CELEBRATION

WILL BE DISPLAYED FOUR ACTIVITIES

WILL BE DISPLAYED FOUR ACTIVITIES

Except for self-driven activity, all other activities are added by the admin

WHEN SELF DRIVEN IS CLICKED

WHEN SELF DRIVEN IS CLICKED

STAGE 1 & STAGE 2 IS AFTER ADMIN APPROVAL

- Event Title
- Event Theme
- Event Timing (4 levels)
- Select Quarter(4 quarters - 3 months per quarter)
- Attendance Sheet
- Upload Brochure
- Schedule
- Guest Details

QUARTERS, LEVELS SHOULD BE AUTOMATICALLY FILLED USING LOGIC

SHOULD DISPLAY THE EVENT DETAILS ORGANISED SUBMITTED BY USERS (STAGE 1)

AFTER SUBMISSION

STAGE 1 VALIDATION

BUT ALREADY SUBMITTED DETAILS SHOULD BE RESTORED

IF APPROVED

STAGE 1

IF REJECTED

PROCEED TO STAGE 2

SHOULD REPEAT THE PROCESS OF STAGE 1

REMARKS SHOULD BE GIVEN

- Proofs of Promotion in social media (OPTIONAL)
  - Twitter
  - Facebook
  - Instagram

- Number of Participants
- Expenditure for that event
- Mode of session delivered (online or offline)
- Duration of Event
  - Event Start date
  - Event End Date
- Overview
  - Objective(Limited to 100 characters including space)
  - Outcome(Limited to 150 characters including space)
- Attachments
  - Video URL(Yt or FB video with a minimum duration of 2 minutes)
  - Photos of the event (size max 2MB)
    - For Offline
      - Photograph 1(main stage/banner/speaker)
      - Photograph 2(Audience)
    - For Online
      - Collage

STAGE 2

display the remarks and make an option for re-entry

FINAL REPORT SUBMITTED TO ADMIN

ADMIN APPROVAL

END

boardmix