Technical Events Generation Web Portal for Students

Project Team Member Details: --

Name: -- Mannu Kumar   **Reg. No.: -- 12204749**

       -- Koushal Kumar   **-- 12204924**

1) Scope of the project (features and specifications)

The "Technical Events Generation Web Portal for Students" is an innovative platform designed to cater to the specific needs of students interested in technical events and activities. The project's scope includes the following key features and specifications:

- **Event Listings:**
  - ✓ Display a comprehensive catalog of technical events.
  - ✓ Sort events by type (e.g., workshops, hackathons, seminars), date, and location.
  - ✓ Implement a search functionality for users to find events of interest.
- **Event Creation:**
  - ✓ Allow registered users (students and faculty) to create and publish new events.
  - ✓ Gather event details, including titles, descriptions, dates, times, venues, and organizers.
- **Registration and Ticketing:**
  - ✓ Enable users to register for events directly through the portal.
  - ✓ Support secure payment processing for events with registration fees.
- **Collaborative Tools:**
  - ✓ Provide event organizers with communication tools to interact with participants, speakers, and sponsors.
  - ✓ Facilitate team formation for participants, allowing them to collaborate on event-related projects.
- **Notifications and Reminders:**
  - ✓ Send automated event reminders to registered participants.
  - ✓ Notify organizers of new registrations and provide attendee lists.
- **User Profiles and Analytics:**
  - ✓ Create user profiles with personal and academic information.
  - ✓ Implement analytics to track user engagement, event popularity, and user preferences.

2) Existing Solution (If any):

As of the project's initiation, there are no existing solutions or platforms tailored specifically to the needs of students interested in technical events within our target user community. Most existing event management systems focus on broader audiences or are not designed to cater to the unique requirements of students seeking technical knowledge and engagement.

3) Novelty in your project

The novelty of our project lies in its exclusive focus on the student community's technical event needs. It offers a centralized platform that combines event discovery, registration, collaboration, and resource sharing into one cohesive ecosystem. Furthermore, our project aims to foster a sense of community and knowledge exchange among students pursuing technical interests.

4) Role of each team member for features in the project

- **Frontend Development:** Team members will be responsible for creating an intuitive and user-friendly interface, ensuring a seamless user experience in navigating events, registration, and collaboration features.
- **Backend Development:** Team members will design and implement the database structure, manage user accounts, and handle event creation and management functionalities.
- **UX/UI Design:** Team members will focus on the visual design of the portal, ensuring it is engaging and accessible to users. They will also work on responsive design for mobile users.
- **Analytics and Recommendations:** The team will work on data analytics and recommendation algorithms to provide personalized event suggestions to users.

5) Design and Implementation

The project will follow a phased approach, starting with detailed design and architecture planning. It will then proceed to the development and testing phases, where each team member will focus on their respective responsibilities. Regular meetings and code reviews will ensure seamless integration of features and a robust final product. The portal will be built using modern web development technologies, ensuring scalability, security, and performance.

The success of the "Technical Events Generation Web Portal for Students" will be measured by user engagement, feedback, and the impact it has on promoting technical knowledge sharing and collaboration within the student community.

<div align="center">Thanks you.</div>