$ {**SKILL MATCH- Campus Skills Networking Platform}**

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**Description:-**  Skill Match is a platform designed to connect faculty and students within a campus based on their skills and project requirements. It fosters a collaborative environment for skill development and project-based learning. This will help Faculties & Students to collaborate with each other based on their skills and interests in order to collaborate on a creative or technical project.

**Brief Implementation Details for the Skill Match Project**

**1. Front-End Development**

Design and develop responsive web pages for the following:

* + - **Home Page:** Overview of the platform with navigation to other sections.
    - **User Profile Page:** Allows users to create and view skill profiles.
    - **Search Page:** Interface to filter and find collaborators.
    - **Messaging Page:** Enables communication between users.

**2. Back-End and Database Management**

* + **Authentication:**
    - Implement user authentication (signup/login) using Firebase Authentication.
    - Include OAuth integration (Google login) for ease of access.
  + **Real-Time Database:**
    - Store user data (profiles, skills, project history).
    - Maintain user collaboration history with timestamps.
  + **Storage:**
    - Utilize Firebase Storage for image uploads (e.g., profile pictures).

**Features:-**

1. **User Authentication**: Using Firebase to enable sign-up/login, authenticating users and allowing them to create a unique skill profile.
2. **Skill Profile Creation:** Allows users to showcase skills, project interests, and contact details for seamless collaboration.
3. **Collaboration History:** Tracks past collaborations to highlight contributions and growth.
4. **Availability Toggle:** Let users manage their visibility for new collaborations.
5. **Skill-Based Search:** Users can browse a list of individuals with relevant skills or interests, filtered by categories such as subject, skill level, or project type.
6. **Endorsement System:** Users can give and receive skill ratings, building trust and reputation within the community
7. **In-app messaging s**ystem: Users may choose to connect through an In-app messaging system if enabled.

**Technology Stack:-**

* **HTML, CSS, JavaScript:** For building a responsive and interactive user interface.
* **Firebase:** For real-time database management, authentication, and media uploads.

**Week-wise timeline**

* **Week 1:** Develop core web pages using HTML, CSS, and JavaScript.
* **Week 2:** Implement Firebase authentication and basic profile creation features.
* **Week 3:** Add endorsement and collaboration history features and build skill-based search functionality and in-app messaging.
* **Week 4:** Finalize features, conduct usability testing, and incorporate feedback.

**About Me:**

* My name is Swasti Sundar Nath. I am from Agartala, Tripura. I’m pursuing Bachelor of Technology in Mining Engineering.
* I should be selected for this project because, as a newcomer to web development, I bring a fresh perspective and a strong eagerness to learn. My basic knowledge of HTML, CSS, JavaScript, and Firebase provides a solid foundation to build upon, and I am highly motivated to enhance my skills through this project. I am committed to dedicating 8 hours daily to ensure timely and efficient progress while embracing challenges as opportunities to grow. This project aligns with my passion for creating impactful solutions, and I am excited to contribute while learning practical implementation under real-world conditions.
* There are no commitments during this coding period of WOC as of now and I’m ready to give on an average 8 hours daily for this project.