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**ICT Academy of Kerala**

**FSD Projects**

By

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**Software Requirements Specification**

**Overview:**

MentorConnect is an innovative platform designed to connect students with experienced mentors for personalized guidance in academics, career planning, and personal development. The platform enables effective mentor-mentee interactions through features like profile creation, session scheduling, and messaging managed solely by the mentor.

**Product Functions:**

1.User Registration and Login:

   - Students and mentors can register and log in.

2. Profile Management:

   - Students and mentors can create and update their profiles with relevant details such as expertise and interests

3. Mentor Matching:

   - Match students with mentors based on predefined criteria like expertise, interests, or career goals.

4. Session Scheduling:

   - Students can schedule one-on-one sessions with mentors based on their availability.

5. Messaging System:

   - Secure messaging between students and mentors for ongoing communication.

6. Mentor Management:

- The mentor oversees all platform activities, user interactions, and conflict resolution.

**User Groups:**

1. **Student :**

1. Dashboard:

- Access the mentor’s availability and recommended resources.

- View scheduled sessions.

2. Mentor Search and Profile:

- View the mentor’s profile, including expertise and session availability.

- Send mentoring requests to the mentor.

3. Session Scheduling:

- Book, modify, or cancel mentoring sessions based on the mentor’s availability.

4. Messaging System:

- Communicate securely with the mentor in real-time.

5. Feedback:

- Provide feedback and rate completed sessions.

1. **Mentors :**

1. Dashboard:

- Manage session requests from students and track session history.

- Monitor platform activities, including student engagement.

2. Profile Management:

- Update expertise, availability, and personal details.

3. Session Scheduling:

- Set available time slots for mentoring sessions and reschedule as needed.

4. Progress Tracking:

- Track mentee progress, provide feedback, and review session outcomes.

5. Platform Management:

- Approve or block students based on activity.

**Requirements:**

Pages Required:

**1. Login/Sign Up:**

   - Separate signup forms for students and mentors, collecting the following:

     - Name

     - Email ID

     - Password

     - Academic/Professional background

     - Skills (for mentors) or Interests (for students)

**2. Home Page:**

   - Displays:

     - Featured mentors.

     - Navigation to major sections of the platform.

**3. Mentor Profile Page:**

   - Show mentor details (name, expertise, availability, ratings).

   - Option for students to send mentoring requests.

**4. Student Profile Page:**

   - Display student details (name, interests, session history).

   - Option to edit personal details.

**5. Search and Match Page:**

   - Students can search for mentors by name, expertise, or availability.

   - Display matching results.

**6. Session Scheduling Page:**

   - A calendar-based interface for students to book sessions.

   - The mentor can manage availability and session details.

**7. Messaging Page:**

- Interface for secure, real-time messaging between students and the mentor

**General Requirements:**

1. Navbar with navigation links (Home, Login/Logout, Profile, etc.) and a dynamic session tracker.

2. Footer with terms, privacy policy, and contact information.

**STUDENT VIEW**

1. Access recommended mentors, scheduled sessions.

2. Browse mentors by expertise or availability and send mentoring requests.

3. Schedule, modify, or cancel mentoring sessions.

**MENTOR VIEW**

1. Manage student profiles, block/unblock users, and reset credentials.

2. Approve, reject, or manage session bookings with detailed oversight.

3. Update expertise, bio, and set or modify availability.

4. Review student feedback and monitor platform usage.