



Online Mentor Connect

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Abstract - Effective mentorship is crucial for both personal and professional development, but finding the right mentor tailored to one's specific needs remains a challenge. "Online Mentor Connect" is a platform designed to bridge this gap by connecting mentees with mentors in a way that directly addresses their problems. Through a search-based system, mentees can discover mentors who specialize in the areas they seek guidance. The platform allows users to search for mentors based on keywords, problems, and fields of expertise, ensuring targeted, relevant connections. The system is built with an intelligent search and matching algorithm, offering mentees a curated list of mentors who can provide personalized advice and support. By focusing on problem-specific mentor discovery, this platform enhances the effectiveness of mentorship and provides a streamlined solution for individuals seeking guidance in their personal and professional challenges.

Keyword: Mentor, Mentee, E-Mentoring, Virtual Mentoring, Virtual Education.

1. INTRODUCTION

Mentorship plays a pivotal role in helping individuals navigate career challenges improve skills and achieve personal and professional growth throughout history mentorship has been a cornerstone of personal development providing guidance knowledge transfer and support however the traditional process of finding the right mentor can be complex and limiting especially when mentees seek guidance for specific issues or niche .

2. Body of Paper

When a user logs in, they are directed to different sections based on their role as Admin, Mentor, or Mentee. Admins can manage the system, mentors can view and guide their mentees, and mentees can see their progress and communicate with mentors.

Dashboard (Mentee & Mentor): The dashboard is a central interface where both mentees and mentors can access relevant information.

Search Mentor: This functionality allows mentees to find mentors based on specific criteria such as expertise, availability, and ratings.

Available Mentors: This component displays a list of mentors who match the mentee's search criteria. It provides information such as mentor profiles, experience, availability, and areas of expertise.

Schedule Available Date & Time: Mentors set their available dates and times for sessions. This helps mentees find open slots for booking appointments conveniently.

Book Appointments: Once a mentee selects a mentor, they can book an appointment based on the available time slots.

Authorization / Authentication: This component verifies the identity of mentees and mentors before they access the platform.

Mentor Module- The mentor module provides functionalities for tracking mentee details, including attendance, academic performance, and progress reports.

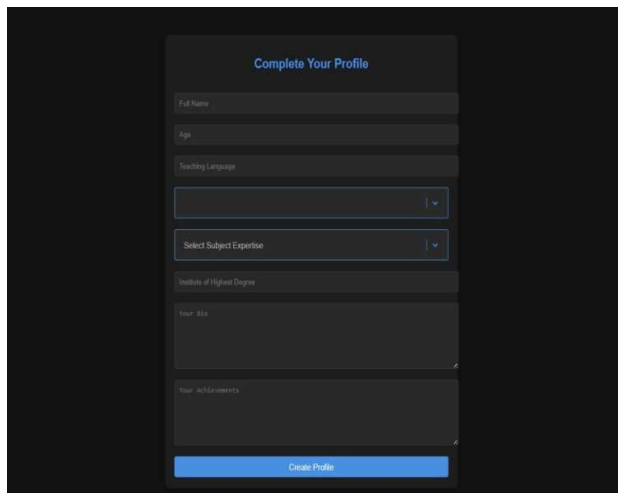
Mentee Module- Mentees can access their marks, attendance records, circulars, and progress reports through the system.

Admin Module- The administrator has exclusive control over adding new mentees, creating mentee groups, and onboarding mentors. Assigning mentees to specific mentors is a complex task handled solely by the admin. While the admin can communicate with mentors, mentees do not have direct messaging access to the admin.

Video Call using WebRTC: This feature enables real-time video communication between mentors and mentees. WebRTC technology ensures smooth video interactions without requiring external plugins.

Real-Time Chat using WebSocket: A real-time chat system enables instant messaging between mentors and mentees. WebSocket technology ensures seamless, fast, and interactive communication.

Profile Creation



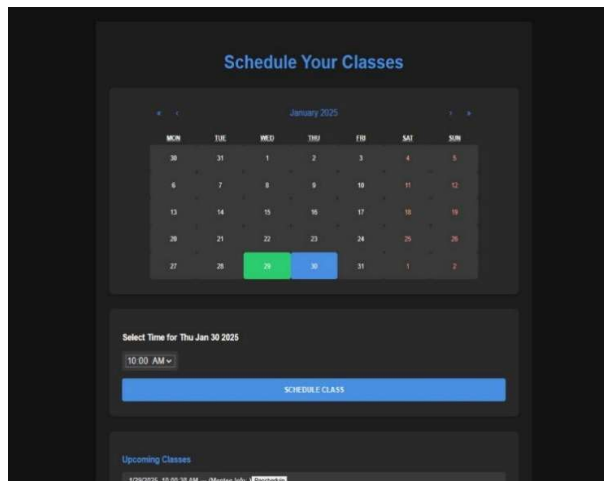
The following image shows the creation of profile for the new user.

Comprehensive profiles also enhance searchability, allowing users to easily find relevant connections based on keywords related to problems, skills, or fields of interest. Furthermore, detailed information enables a personalized user experience, tailoring recommendations and resources to individual goals.

By showcasing backgrounds, experience, and areas of focus, thorough profiles build trust and transparency between potential mentors and mentees. The profile typically includes basic information, background details, areas of expertise or interest, mentorship goals, mentoring style, relevant keywords, and a personal statement.

The profile typically includes basic information, background details, areas of expertise or interest, mentorship goals, mentoring style, relevant keywords, and a personal statement. The platform guides users through a step-by-step process, often including verification and privacy settings, to ensure accuracy and control over information visibility.

Scheduling Session



The session scheduler provides a calendar to schedule session with mentor and mentee.

The "Schedule Your Session" feature on MentorConnect provides a straightforward way for users to book sessions. The interface presents a calendar view, defaulting to the current month, with clear indicators for the days of the week. Users can navigate between months using arrow buttons located at the top of the calendar. Available dates for scheduling are clearly highlighted, allowing users to quickly identify potential booking times.

After choosing a desired time, users simply click the "SCHEDULE SESSION" button to confirm their booking. The "Upcoming Sessions" section provides a convenient overview of scheduled sessions, listing details such as the date, time, and the session or attendees involved (e.g., "1/29/2025, 10:00:30 AM. This feature simplifies the scheduling process, providing a user-friendly interface to manage session bookings efficiently.

3. CONCLUSIONS

This project enhances the communication between mentee and mentor, thereby improving the performance of the mentee. Each mentee is graded according to their performance. This dynamic system allows for a tailored learning experience, where mentee can improve their grades through consistent effort and receive additional support if their performance declines. By continuously monitoring mentee progress, mentors can provide varying levels of attention and intervention, ensuring that each mentee receives the guidance they need to succeed.

ACKNOWLEDGEMENT



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