

MENTORING APP

PROJECT SYNOPSIS

OF MINOR PROJECT

BACHELOR OF TECHNOLOGY

INFORMATION & TECHNOLOGY

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1 Introduction

A mentoring app is a platform designed to connect individuals seeking guidance and support with experienced professionals in their desired field. With the rise of remote work and digital communication, mentoring apps offer a convenient and accessible way to access valuable knowledge and expertise from anywhere in the world.

The app provides a personalized experience for users, allowing them to set specific goals and receive targeted advice and feedback from their chosen mentor. It also offers a range of features such as scheduling tools, messaging capabilities, and progress tracking to help facilitate a productive and efficient mentoring relationship.

Overall, mentoring apps offer a valuable resource for individuals looking to advance their careers, gain new skills, or navigate challenging professional situations. By leveraging the power of technology and connecting users with experienced mentors, these apps have the potential to transform the way people approach personal and professional growth.

2 Rationale

There are several compelling reasons why a mentoring app can be an effective tool for personal and professional development.

1. **Personalized guidance and support:** A mentoring app offers a tailored experience for users, allowing them to set specific goals and receive targeted advice and feedback from their chosen mentor. This can help individuals gain clarity, develop new skills, and achieve their professional objectives.
2. **Convenient and accessible:** With the rise of remote work and digital communication, mentoring apps offer a flexible and efficient way to access valuable knowledge and expertise from anywhere in the world. This can be especially helpful for individuals who live in remote areas, have limited access to professional networks, or face other barriers to traditional mentorship programs.
3. **Efficient use of time and resources:** Traditional mentorship programs often require significant time commitments from both mentors and mentees, which can be a challenge for busy professionals. A mentoring app can help streamline the mentorship process, allowing individuals to connect with mentors, set goals, and track progress more efficiently.
4. **Increased diversity and inclusivity:** Traditional mentoring programs can be limited by geographic location, personal connections, and other factors that can exclude certain groups from participating. A mentoring app can help promote diversity and inclusivity by connecting individuals with mentors from different backgrounds, industries, and regions.
5. **Positive impact on career success:** Research has shown that mentorship can have a significant impact on career success, with benefits ranging from higher salaries to increased job satisfaction. A mentoring app can help individuals gain access to valuable mentorship opportunities that can help them achieve their professional goals and advance their careers.

3.Objectives

Among the features of the project will be the creation of profiles for mentors and HODs to enable them to connect. In addition, meeting and discussion scheduling tools will be provided. Mentors and mentees' information will be available to the head and can be analyzed quickly.

1. Connecting individuals with mentors: The app aims to connect individuals seeking mentorship with experienced professionals who can provide guidance and support in their desired field.
2. Setting goals and tracking progress: The app provides a platform for individuals to set specific goals and track their progress over time, helping them stay accountable and motivated.
3. Providing personalized feedback and advice: The app allows mentors to provide tailored feedback and advice to their mentees based on their individual goals and needs.
4. Facilitating communication: The app provides a range of communication tools, such as messaging to help mentors and mentees stay connected and engaged throughout the mentorship relationship.

4. Feasibility Study

- **Technical feasibility:** The technical feasibility of web scraping a website requires knowledge of a website structure and format or type of data to be scrapped. It would also involve the type of tools and technologies which are best suited for a certain type of websites or data extraction task.
- **Legal feasibility:** Online scraping may violate a website's terms of service or, in some circumstances, be unlawful. It's crucial to follow the terms of service of the website and refrain from using the data that has been scraped for any immoral or unlawful activities.
- **Economic feasibility:** Online scraping can take a lot of time, especially if while scraping a big website or regularly gathering data. It is crucial to have the required time, people, and computing resources to finish the project.

5.Methodology Used

The methodology for scraping involves the following steps:

- User login: The first step is to login an account on the project starting. This includes providing personal details that decide whether you are mentor or HOD.
- updating a mentor and student: The app provides updation of mentor and student by HOD only.
- Scheduling: Once the HOD select mentor, they can schedule a session send important meeting notice to selected metors. The app typically provides a scheduling feature that allows the user to select a date and time for the session.
- Session delivery: The mentor and HOD communicate through the app using messaging. The mentor provides guidance, advice, and feedback to the HOD.
- Progress tracking: The app may provide tools for tracking progress and setting goals. This allows both the mentor and mentee to monitor the progress of the mentoring relationship.
- Feedback and review: The app may also include a feedback and review system, where the mentee can rate the mentor and provide feedback on the mentoring experience.

6. Facilities required

To ensure appropriate operation, the creation of this project would require software and hardware components.

Development tools: You will need various development tools, including text editors, integrated development environments (IDEs), and version control software such as Git.

MongoDB database: MongoDB is a NoSQL database that provides a flexible and scalable data storage solution. You will need to set up and configure a MongoDB database for your app to store data related to mentors, mentees, sessions, and other information.

Node.js server: Node.js is a JavaScript runtime environment that allows you to build scalable and high-performance web applications. You will need to set up and configure a Node.js server to run the backend code of your app.

Express framework: Express is a Node.js web application framework that provides a set of tools and features to simplify the development of web applications. You will need to use the Express framework to handle routing, middleware, and other backend tasks in your app.

Angular framework: Angular is a front-end web application framework that provides a set of tools and features to simplify the development of dynamic and responsive user interfaces. You will need to use the Angular framework to build the front-end of your app.

7. Expected Outcomes

Mentoring apps have the potential to be valuable tools for facilitating meaningful connections, increasing access to mentors, HOD and expertise, improving efficiency, promoting accountability, and supporting learning and personal growth. By providing a platform for mentor-HOD relationships, these apps can create opportunities for social and economic mobility and enhance the skills and knowledge of individuals and communities. However, these apps also have limitations, including a lack of personalization, limited interaction, dependence on technology, potential for misuse, and a lack of accountability. To maximize the benefits of these apps, it's important to design and implement them in a way that addresses these limitations and aligns with the needs and priorities of the target audience or community. Overall, these apps have the potential to be a valuable tool for supporting individuals' personal and professional development and promoting greater social and economic equity.

8. References

[1] <https://www.mongodb.com/docs/>

[2] <https://nodejs.org/en/docs>

[3] "MEAN Web Development" by Amos Q. Haviv: This book provides a comprehensive guide to developing web applications using the MEAN stack. It covers all aspects of the stack, including MongoDB, Express, AngularJS, and Node.js, and provides practical examples and code snippets to help developers get started.