

QuickPrep – A Web App for Engineering Placement Preparation

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Abstract: *Students of Engineering are having difficulty in preparing for their placements and understanding technical concepts since they are not given adequate instruction on how to do so. With this unavailability in mind, Here's a one stop solution with the idea of creating a web app named QuickPrep. Quickprep is a full-stack web development application that allows graduates to prepare for their placements by including interview preparation kits, technical blogs convincing the students with real time examples, computational programming, quizzes, paid courses, and offline workshops. Another useful aspect is that graduates can schedule their free mock interviews and group discussions. The QuickPrep team does their mock interviews and provide feedback verbally and in the written format for their future reference individually. Graduates can also contribute their interview experiences and benefit from them.*

Keywords: QuickPrep

I. INTRODUCTION

For one or more unavoidable reasons, engineering students are having trouble understanding the technical subjects they are being taught as well as having trouble preparing for their placements to get their dream job.

This project offers a comprehensive answer to problems engineering students are currently experiencing in terms of understanding technical concepts and getting ready for their placements.

This project offers free courses in C, Java, and Python at first. It also offers C quizzes, sections on interview preparation that cover how to introduce oneself in interviews, add interview experiences and benefit from those of others, to schedule mock interviews and mock group discussions, programming problems with solutions, frequently asked interview questions and technical blogs that discuss technical ideas using real-world examples.

If there are any queries that are unclear, students can simply file them in the application's contact us part, where they can contact us through WhatsApp application or Gmail or through phone number.

II. LITERATURE SURVEY

There are currently systems available online to help all engineering students prepare for technical courses, including all programming languages, coding questions and solutions, and making them practice using their application itself.

The majority of modern systems do not prioritize one-on-one communication with the person who accesses their application. Users encounter difficulties when trying to answer immediate questions. They mostly focus on adding the content into their application without the assistance of parts that answer questions.

Only a small percentage of apps offer free mock group talks and mock interviews; Quickprep is one of those uncommon apps that gives both for free, with limitless scheduling options, as well as feedback verbally and written format (pdf) as well.

Most contemporary applications upload a sizable amount of data, which causes confusion when students use the applications to be ready for placements. In order to help candidates prepare even a day before their actual interviews and avoid confusion, QuickPrep primarily focuses on short, precise, and brief questions with solutions that are frequently asked in an interviews.

III. ARCHITECTURE DIAGRAM

This design is still based on the client-server model. It is made up of structural, client, and server components. The relationship between the various components of the application is shown in the block diagram below. Client and server-side structural components make up a web application. Client-side components were created using HTML, CSS, and JS because they reside within the user's browser and do not require OS or device-specific adjustments. Server-side structural components were created using PHP for this project. The app logic and database are the two components of the server. When a user views and interacts with the front end, it sends a request to the back end, where the web server gathers data from either the database or the file system housed by the web host service provider and returns the response to the front end, which then shows the client the results.

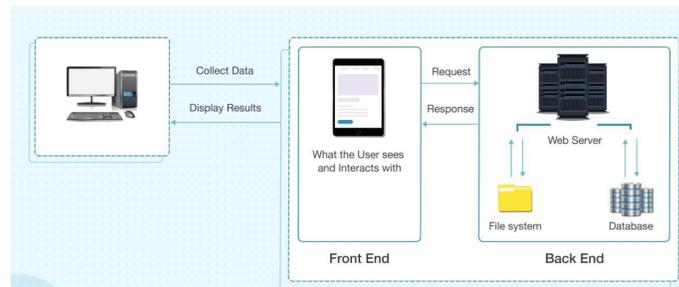


Fig 1. System architecture

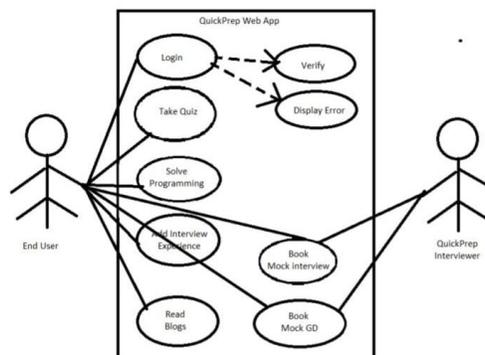
V. PROPOSED SYSTEM

Our system provides viable solution to the students who are sincerely looking to prepare for their placements and make understand the technical subjects easily. This project offers free courses in C, Java, and Python at first. It also offers C quizzes, sections on interview preparation that cover how to introduce oneself in interviews, add interview experiences and benefit from those of others, to schedule mock interviews and mock group discussions, programming problems with solutions, and technical blogs that discuss technical ideas using real-world examples. If there are any queries that are unclear, students can simply file them in the application's contact us part, where they can contact us through WhatsApp application or Gmail or through phone number.

VI. METHODOLOGY

6.1 Use Case Diagram

A use case diagram is a way to summarize details of a system and the users within that system. It is generally shown as a graphic depiction of interactions among different elements in a system.



6.2 Booking Mock Interview Module

When a user wants to reserve a free mock interview, they only need to click the WhatsApp icon on the relevant webpage. This will take them to QuickPrep's WhatsApp business, where they can reserve their slots by providing information like

their name, college, location, and the company they are preparing for (optional). On the scheduled date, the Gmeet link will be given to each person's designated phone, allowing for the mock interview and feedback to be conducted.

6.3 Booking Mock GD Module

The process of booking Mock GD remains as similar as booking mock interview as mentioned above. Once the user schedules the slot, he/she will be insisted to wait till the team responds back once the team get at least 10 registered students for mock GDs. Once the team gets at least 10 students registered for mock GDs, the date and time would be shared to registered users.

6.4 Add Interview Experience Module

User can also add any number of Interview experiences to the web app as a token of contribute to other users who wishes to take benefit from it in dedicated web page.

6.5 Other Important Modules

User can also make use of courses like C, Java and Python. And Programming questions with solutions, technical blogs to study seamlessly without any interruptions of advertisements.

VII. CONCLUSION

The main motto of the project is to enable engineering students to prepare for their placements and make them understand the technical concepts with ease. The Future updates of the project could be to include aptitude questions, make courses paid and to include aptitude questions, more understanding of the technical blogs, frequently asked interview questions.

REFERENCES

- [1]. <https://prepinsta.com/>
- [2]. <https://www.javatpoint.com/>
- [3]. <https://www.geeksforgeeks.org/>
- [4]. <https://www.w3schools.com/>
- [5]. <https://www.edyoda.com/home>.