

SEMESTER GUIDANCE

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Course Name – Product Development and Testing

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Introduction

Making an iOS app with the engineering curriculum for Computer Science and Engineering Hons, which includes each semester's syllabus, personal help, instructor guidance, etc., is the goal of this project. This app contains all of the things that are required. A user can excess all notes from any semester with only one click. able to view the app and guidance for placement preparation, as well as what is crucial this semester. It's necessary for you to install app. Without an internet connection, apps cannot operate. You may access all topic curriculums for each semester as well as instructor and personal guidance through these apps. The apps also provide placement-related information that will help you identify what is crucial for each semester. In addition, users have the option to modify the app to suit their needs. The user may additionally submit their personal experiences with the topic.

Development Processes

We used Swift to build this app, Swift UIKit to design the user interface, and XCode to conduct the development. We can develop the app using the university's Mac lab. We can develop the app using the university's Mac lab.

Product Planning

About two to three months are needed to complete the job. At first, we assumed that we would incorporate the entire computer science and engineering curriculum; subsequently, we may add other areas. In addition, we may develop a placement service that allows users to view previous and present placement records as well as see which companies have visited universities. This app is only being created for Apple users; it is not for Android users. In the final days of December 2022, we can release our app on the Appstore and it is free.

Identifying Customer Needs

The LPU official website and PMS both have the current semester's curriculum available to students. But in this case, we maintain a single platform for both. We may view all of a subject's details with just one click. We need to connect to the internet first, just like when using a website or PMS app. The only time the internet is needed here is while installing the app; but, if your pupils come nine times during the day, they must connect to the internet each time. On other platforms that are available on the market, you see advertisements every time you visit the website, but not on our platform. There is no login process; we may access the study materials instantly. Our portal offers comprehensive instruction on every topic, unlike other sites that only offer superficial materials.

Product Specification

- The app's ease of use.
- The Internet is not always necessary.
- No advertising is included in the app.
- It is possible to access the data without logging in.
- All the topic information is contained in each semester.
- There is both individual and instructor support available for every topic.
- The user may view the topic's relevance in relation to placement for each subject.
- External resource links and references will be included for each topic.
- The software may be readily modified by the user to meet their specific requirements.

Data Analysis

When we were freshmen, you could utilize a search engine or call your teacher for assistance if you needed it with a subject. You must speak with your instructor if you wish to study a topic for placement, and you must ask your senior or any teacher if the present subject is relevant for placement. However, you can now discover the answers to all of your questions on our platform with just one click.

References

- 1.) <https://developer.apple.com/documentation/uikit>
- 2.) <https://docs.swift.org/swift-book/LanguageGuide/TheBasics.html>
- 3.) <https://www.hackingwithswift.com/>