Project Based Learning-II

Batch G3

Date: 11-03-2023

Group members (Roll no and Name)

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**Title**

Quick Medical Diagnosis with Automated Symptoms Analyzer and Basic Healthcare Management App

**Motivation**

In India, medical health services are becoming expensive in urban and rural areas. The availability of medical facilities is sparse in rural areas due to which patients are devoid of proper medication.

**Objectives**

While emphasizing on quick medical diagnosis, the following objectives are at the core of the project:

* Providing no-cost medical diagnosis for non-severe symptoms or ailments
* Manage prescriptions and dose-reminders for users
* Providing information on the healthcare infrastructure in a user’s locality
* Validating symptoms and the corresponding automated diagnosis to ensure reliability of the diagnosis process

**S/W and H/W requirement**

Software requirements include tools and SDKs needed to develop the Flutter and Android applications:

* Android Studio – an IDE for Android App Development
* Android SDK and Build Tools (Gradle)
* Android Emulator
* Flutter SDK with configuration managed in VS Code

The project does not have any hardware requirements, and only Android/iOS mobile devices are needed to test the applications.

**Theory/ Short Description**

Our project includes two mobile applications, one for the user/patient and another for doctors who have subscribed to our service. The user and doctor need to authenticate themselves with the apps, providing essential information that would identify them uniquely. For doctors, appointment details, check-up fees, speciality etc. are also included. The users could provide their health-oriented details such as age, weight, blood group and history of other ailments if needed.

Flowchart

References

Conclusion