



Fortnightly Mini Project Status Report

Project Title: FruitHub

Group No: 6A

Date: 13/03/2024

Enrollment No: 12102080601035

Enrollment No: 12102080601040

Enrollment No: 12102080601048

Contents:

1) PROJECT STATUS SUMMARY:

- Started creating the deep learning model for image classification and front of the mobile application in jetpack Compose.

2) WORK PLANNED FOR LAST FORTNIGHT:

- Prepare the machine learning model.
- Learn and execute the back end using the firebase.
- Start creating the Frontend
- Collect the photo graphs to display in app

3) WORK COMPLETED FOR THIS FORTNIGHT:

- Prepared the prototype for the machine learning model which is showing the accuracy of 93% on validation data and 73% on the testing data which is similar of the training data.
- Created the firebase project and integrated it with the android application in Android studio.
- Created the Home Screen, Explore Screen, My Saved Screen, User Screen individually using Compose. Where every screen is static in nature of execution.
- Collected the png for the icon of the photos of dataset.
- Created the elements / components which are going to use in more than one screen

4) **WORK PLANNED FOR NEXT FORTNIGHT:**

- Complete the Static front end.
- Implement the Firestore Database with putting the data.
- Improve the Deep Learning Model.
- Integrate the remote database and the local database.

5) **OPEN RISKS**

- Change in functionalities while proceeding further.
- Error during navigating the screens and getting the data from the Firestore.