



## Fortnightly Mini Project Status Report

Project Title: FruitHub

Group No: 6A

Date: 27/03/2024

Enrollment No: 12102080601035

Enrollment No: 12102080601040

Enrollment No:12102080601048

### Contents:

#### 1) PROJECT STATUS SUMMARY:

- Improved the Deep Learning Model on real time images taken unlike the training data. Implemented navigation and basic connection with the Server

#### 2) WORK PLANNED FOR LAST 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.

#### 3) WORK COMPLETED FOR THIS FORTNIGHT:

- Solved the errors regarding the navigation by creating the entire application context as one class which inherits the property of the ComponentActivity.
- Every screen is created as a separated Composable annotated function with the navController to navigate to another composable.
- Improved the Deep Learning model using transfer learning method of some previously trained model to improve its accuracy on the real life instances captured by the camera.
- Implemented the firebase's Firestore no SQL database and changed the architecture of the data stored for improved use of the data stored on the remote server.
- Completed the Static Implementation of the UI

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

- Integrate and test the application with the machine learning model and Firestore Database
- Improve the Data Set for future purposes.
- Complete the documentation of the project.
- Prepare the final presentation.
- Improve the Performance of the application to publish it online on play store.

**5) OPEN RISKS**

- Traffic on the server using the application.
- Marketing the application.
- Integration testing failure.

Sign: (Internal Guide)