**TITLE: AGRI INNOVATIVE**

1. **Disease Prediction:(Stage -1)**

**Model Development:**

1. Dataset: <https://www.kaggle.com/datasets/vipoooool/new-plant-diseases-dataset>

* For the disease prediction model, we offer two options: using a mobile camera to scan a diseased plant leaf or uploading an image of the diseased leaf.
* The model returns the disease name and preventive measures to overcome that disease.

B.To provide preventive details, we need a dataset containing disease names and prevention details

* To obtain prevention details, use the following prompt in ChatGPT: "For the disease [Replace with Disease Name], please note down the natural and chemical methods used to address this issue. In the chemical section, provide the names of the pesticides, and in the natural section, suggest the procedures to follow."
* Refer GitHub repo for the Excel sheet.

**Deploying it in online:**

* Design a web page to receive image from users(Farmers).
* Use the Flask library for model deployment.
* Deploy the project on the PythonAnywhere platform.

**2.Crop Monitoring (Stage-2)**

**3. Guiding the farmers to follow Smart irrigation techniques (Stage-3)**

**4.Connect with nearby farmers (Stage-4)**

**5. Completing the project by adding contact farmer helpline number and feedback from users.**

For the remaining stages, I will add clear instructions after completing stage one.