Project Design Phase-I
Solution Architecture

Date	19 September 2022
Team ID	PNT2022TMID08563
Project Name	Project – Fertilizers Recommendation System For Disease Prediction
Maximum Marks	4 Marks

Solution Architecture:

Diseases in the crop were analyzed and the system predicts the necessary fertilizer to increase the crop/yield growth. In this the image of the affected crop were collected from the farmer and the dataset is collected. The collected images were pre processed. The CNN and dense layers are used to process the model. Then the model is trained and tested with n number of inputs which recommends the fertilizers to the user (Farmer). The steps that is used to build the model are

- Data (Image) collection.
- Data pre processing.
- Divide the dataset into train and test.
- Build the model.
- Train the model.
- Test the model.
- Find the diseases that affect the crop.
- Recommend the fertilizer.

Solution Architecture Diagram:

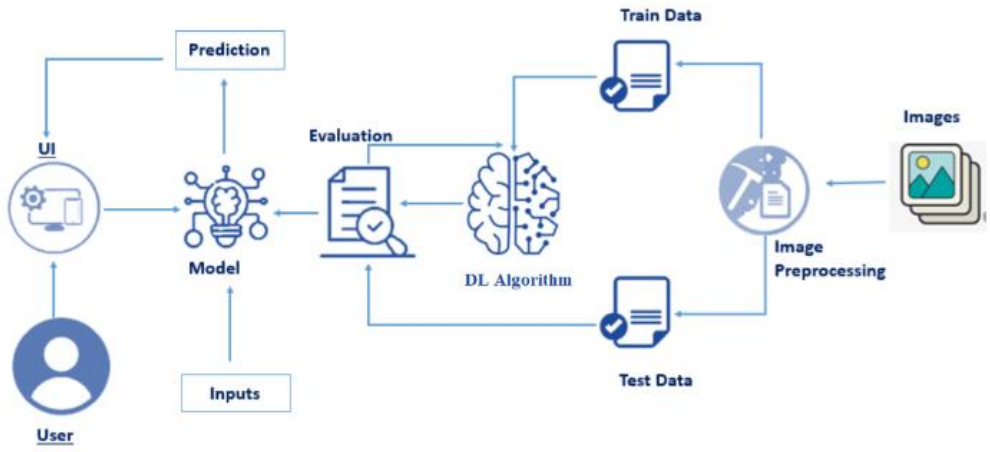

Figure 1: Architecture of the Fertilizers Recommendation System For Disease Prediction