

Project Design Phase-I Solution Architecture

Date	20 October 2022
Team ID	PNT2022TMID36381
Project Name	Project -Fertilizers Recommendation System for Disease Prediction.
Maximum Marks	4 Mark

Crop disease in plants is predicted and suitable fertilizer is recommended for better yield. The images of the diseased plants are obtained and it is preprocessed against the dataset of fruits and vegetables diseased plants. Deep Learning Algorithm is used to process the images and then it is evaluated. Then a model is built on the evaluations, it is then trained using no of inputs and predictions are given to the users which subsequently helps in recommending the fertilizers. The Convolutional neural network layers are used to classify and process the images and further helps in recommending the fertilizers.

The image classification steps are followed:

- Image acquisition
- Preprocessing
- Segmentation
- Disease Prediction
- Fertilizer Recommendation

Solution Architecture:

