Project Design Phase - I

Assignment Date	17 October 2022
Team ID	PNT2022TMID31637
Project Name	Fertilizers Recommendation System for Diseased
Maximum Marks	Crops 4 Marks

Crop disease in plants is forecast, and appropriate fertiliser is suggested for increased production. Images of diseased plants are collected and preprocessed against a dataset of diseased plants. The Deep Learning Algorithm is used to process the photos, which are subsequently evaluated. The evaluations are then used to build a model, which is then trained using a large number of inputs and predictions are presented to users, assisting in the recommendation of fertilizers.

Convolutional layers are used to classify and analyze photos, as well as to prescribe fertilizers. The picture classification steps are as follows:

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

Solution Architecture