Project Design Phase - I

Assignment Date	19 September 2022
Team ID	PNT2022TMID31712
Project Name	Fertilizers Recommendation System for Disease Prediction
Maximum Marks	4 Marks

Plant crop disease is predicted, thus the use of the right fertilizer is suggested for a larger yield. The photographs of the sick plants are collected, analyzed, and then contrasted with the dataset of sick plants. It is evaluated after the photographs have been processed using a deep learning system. The process of recommending fertilizer is then aided by a model that is developed based on the evaluations, trained using a range of inputs, and predictions are provided to the users.

Convolutional layers are employed to categorize, analyze, and propose fertilizers for the photos. The steps in picture categorization are:

- Image acquisition
- Preprocessing
- Segmentation
- Disease prognosis
- Fertilizer suggestion

Solution Architecture