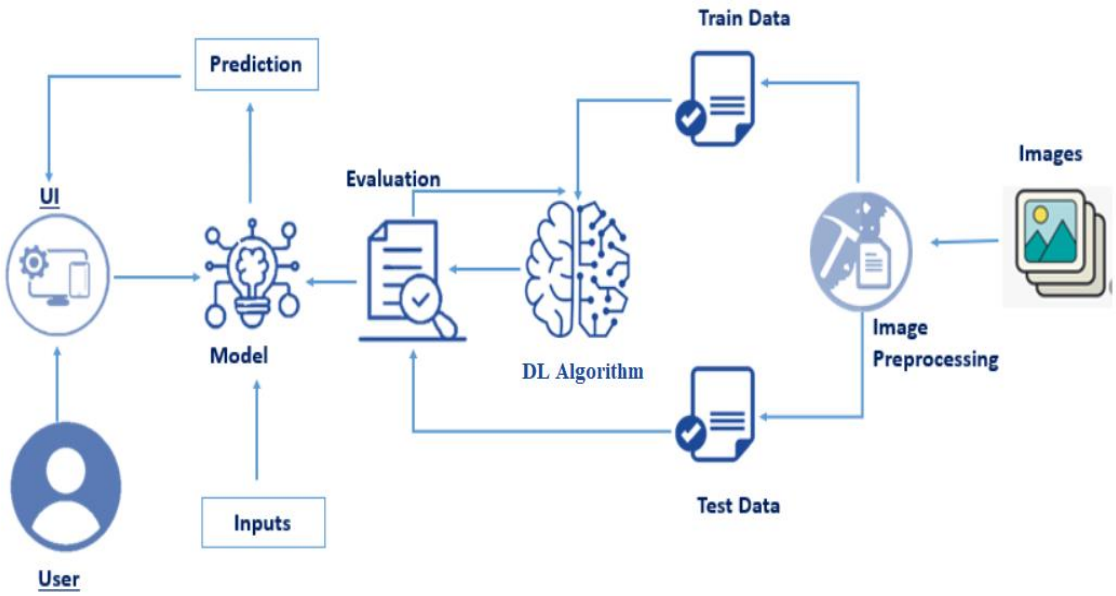
Project Design Phase-I
Solution Architecture

Date	19 September 2022
Team ID	PNT2022TMID45468
Project Name	Project - Fertilizers Recommendation System for Disease Prediction
Maximum Marks	4 Marks

Solution Architecture:

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 pre-processed against the dataset of 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 layers are used to classify and process the images and further helps in recommending the fertilizers. The image classification steps are:

- Image acquisition
- Pre-processing
- Segmentation
- Disease Prediction
- Fertilizer Recommendation



Reference: https://careereducation.smartinternz.com/saas-guided-project/3/fertilizers-recommendation-system-for-disease-prediction