PROJECT DESIGN PHASE

Plant crop disease is predicted, and proper fertiliser is suggested for a higher yield. The diseased plant photos are acquired, preprocessed, and compared to the dataset of diseased plants. The photos are transformed using a Deep Learning algorithm, which is subsequently tested.

The model is created using the evaluations, and it is trained using the number. Users are provided with inputs and forecasts, which in turn aids in fertiliser recommendations.

The Convolutional layers are used to classify and process the images and further helps in recommending the fertilizers. The image classification steps are:

1. Image acquisition
2. Preprocessing
3. Segmentation
4. Disease Prediction
5. Fertilizer Recommendation

SOLUTION ARCHITECTURE