Fertilizers Recommendation System For Disease Prediction

PROJECT DESIGN PHASE - 1

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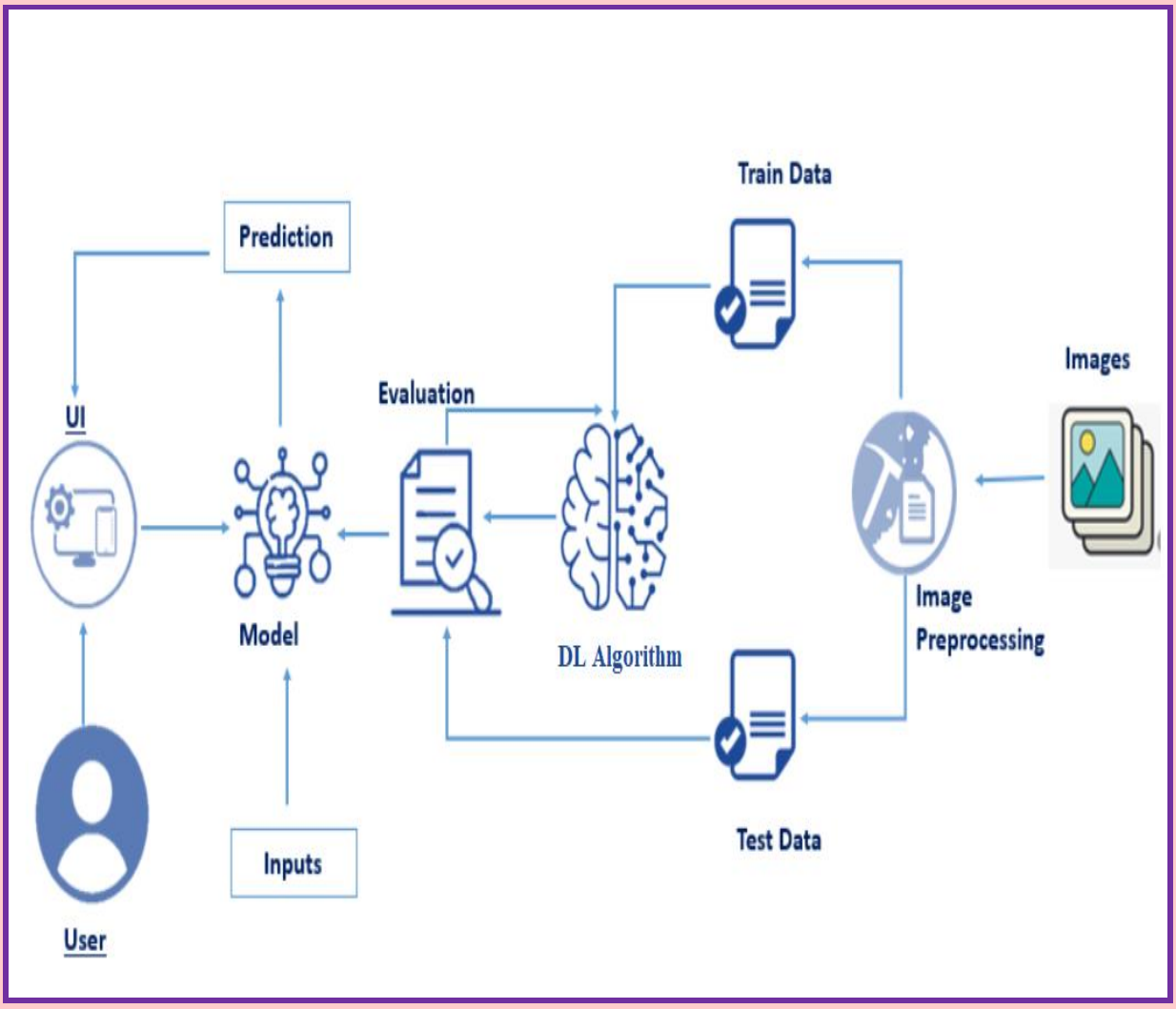
SOLUTION ARCHITECTURE



Crop diseases in plants are predicted and the suitable fertilizers are recommended for the better production of crops. The images of the diseased plants are obtained and is pre-processed with the help of diseased plants in the dataset. Deep Learning (DL) algorithm is used to process the images from the dataset and further it is evaluated.

Then a model is built based on the evaluations and it is trained using number of inputs. Predictions are given to the users, which subsequently help in recommending fertilizers. The Convolution layers are used to classify and process the images and further helps in recommending the fertilizers.

Image classification steps:

- **Image Acquisition**
- **Pre-processing**
- **Segmentation**
- **Disease Prediction**
- **Fertilizer Recommendation**