

## PROJECT FLOW

Date	03 November 2022
Team ID	PNT2022TMID31284
Project Name	Project – Fertilizers Recommendation System for Disease Prediction

### PROJECT FLOW:

#### A web Application is built where

- Farmers can interact with the portal build
- Interacts with the user interface to upload images of diseased leaf
- Our model built analyses the Disease and suggests the farmer with fertilizers are to be used

#### To accomplish the above task we must complete the below activities and tasks

- Download the dataset.
- Classify the dataset into train and test sets.
- Add the neural network layers.
- Load the trained images and fit the model.
- Test the model.
- Save the model and its dependencies.
- Build a Web application using a flask that integrates with the model built.

The proposed method uses SVM to classify tree leaves, identify the disease and suggest the fertilizer. The proposed method is compared with the existing CNN based leaf disease prediction. The proposed SVM technique gives a better result when compared to existing CNN