

TEAM ID : PNT2022TMID46681

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.

Training Image



Testing Image



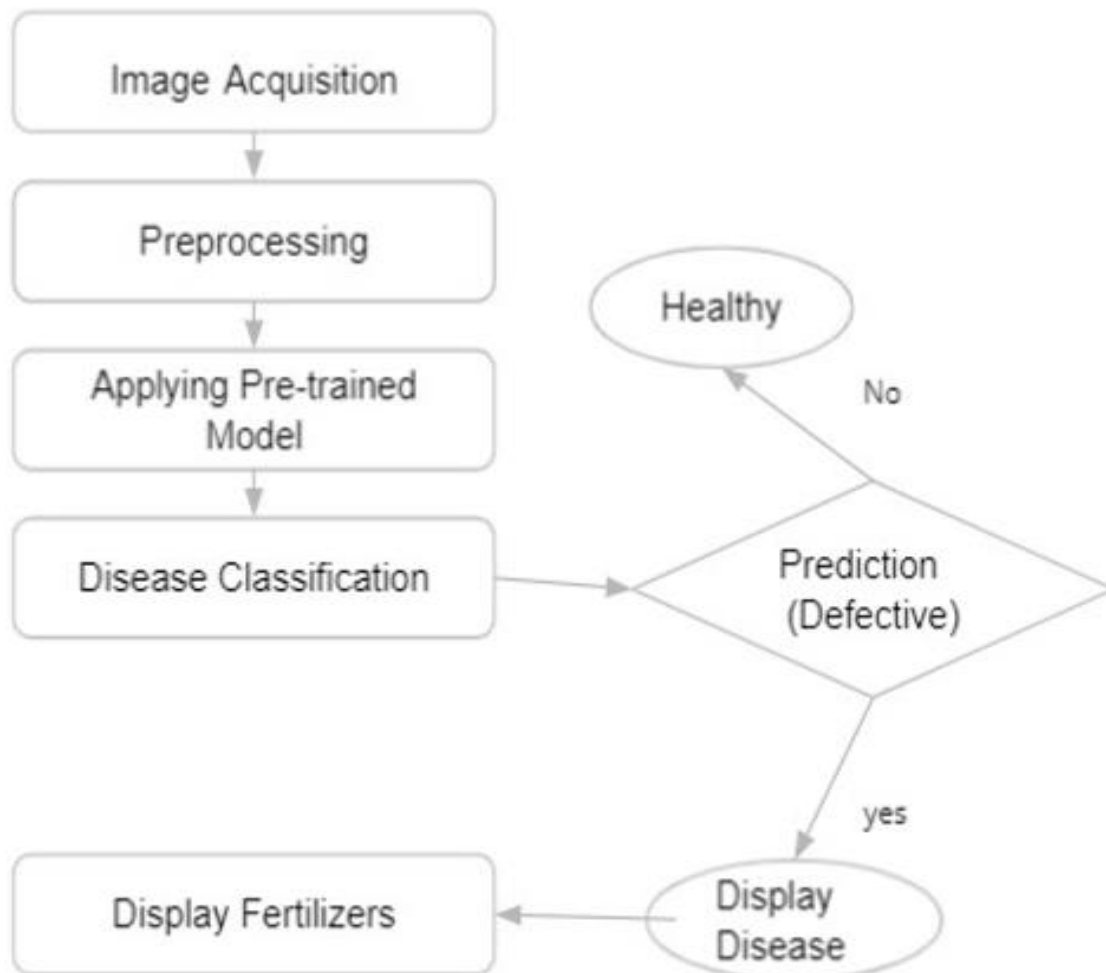


Fig. 2. Flowchart of Training model

MODELS	TRAINING ACCURACY	VALIDATION ACCURACY	TRAINING LOSS	VALIDATION LOSS
INCEPTION	90.88%	82.00%	1.3739	3.6055
XCEPTION	92.49%	84.70%	0.9177	3.3019
MOBILENETV2	96.75%	85.80%	0.6013	5.6800
OUR MODEL	90.17%	88.50%	0.2816	0.3398

Table 1