

Project Title	Plant Disease Prediction System										Mentor Name	Dr. Ravi Tomar																																																																							
Abstract	Agriculture, with its associated sectors, is the chief source of livelihood in India. Seventy percent of India's rural households still depend primarily on agriculture for their living. This project mainly aims at identifying diseases in plants and crops with the help of the pictures of leaves that are healthy and the ones that have been infected. The mobile application would help out farmers and people owning kitchen gardens in constantly monitoring the health of their plants.																																																																																		
Objective	In the agricultural sector, misdiagnosis of diseases impacting agricultural crops can lead to misuse of chemicals leading to increased input costs with significant economic loss and harmful impact on the environment. Existing disease diagnosis based on human scouting is time-consuming and expensive. Thus, the main motivation to pursue this project is to help people and farmers in observing the health of their plants easily.																																																																																		
Methodology	First the Dataset will be collected from different sources. Data will be then cleaned and pre-processed. Then various neural network models will be made and best model will be selected. An android mobile application will be made with the help of which user will be able to capture the image of infected part and monitor it.																																																																																		
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Guideline: 1) A project group can be of maximum 4 members and no alteration in the group member will be entertained later.

Guideline: 2) Methodology should have following steps Step1: Literature Review; Step2: Identification of Requirement (Type of Data source, Amount of Data, & Format of Data); Step3: Identification of Algorithm; Step 4: Comparative study; Step5: Design and Development of System/Architecture; Step 6: Implementation; Step7: Results **Guideline:3)** Student should upload softcopies of all the documents (reports and power point presentations) in "Project Directory", 24 hrs prior to evaluation. **Guideline:4)** Panel member will give feedback to individual on the scale of 1 to 5 and this scale will change for defaulter i.e., 1 to 3 scale.

1: Poor

2: Average

3: Good

4: Excellent

5: Outstanding