PROJECT DESIGN PHASE -I
PROPOSED SOLUTION

Date	19 october 2022
Team ID	PNT2022TMID43230
Project Name	Fertilizers Recommendation System For Disease Prediction
Maximum Marks	

SI.NO	PARAMETER	DESCRIPTION
1.	problem statement (problem to be solved)	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.
2.	Idea /solution description	Third Party applications are used to display Weather information, Temperature information as well as Humidity, Atmospheric Pressure and overall description..
3.	Novelty / Uniqueness	After analysis Machine learning algorithms are applied to predict the category of yield . The category, thus predicted will specify the yield of crops. The problem of predicting the crop yield is formulated as Classification where different classifier algorithms are used.
4.	Social impact /Customer satisfaction	It helps farmers to cultivate crop for better yield.Mobile application can be build to help farmers by uploading image of farms. Crop diseases detection using image processing in which user get pesticides based on disease images. Implement Smart Irrigation System for

		farms to get higher yield.
5.	Business model (revenue model)	This will help in raising the living standard of farmers and will boost their economic growth. The farmers can use this technology anytime and anywhere.
6.	scalablity of the solution	Research is implementing the proposed algorithm with the existing public datasets. Also, various segmentation algorithms can be implemented to improve accuracy. The proposed algorithm can be modified further to identify the disease that affects the various plant organs such as stems and fruits.