IDEATION PHASE

LITERATURE SURVEY

DATE	15 October 2022
TEAM ID	PNT2022TMID34560
PROJECT NAME	Fertilizer Recommendation System For Plant Disease Prediction

Literature Survey:

S.No	Title & Author	Year	Technique	Proposed System
1	Crop Prediction and Disease Detection System - Sambhav Bhansali, Punit Shah, Jinay Shah, Priyal Vyas, Poonam Thakre	2022	Support Vector Machine (SVM) or Neural Networks.	Basis on the crop and region of farming we will recommend the fertilizer and its uses to boost the yield productivity for farmers. Sometimes due to unwanted excess of rainfall or the pest attack can cause disease to crops. We will use the image classification technique where the user can upload the picture of the affected plant/crop and the system will figure out the type of disease which will be done using Support Vector Machine (SVM) or using the neural network techniques. And this disease detection will suggest that how that plant/crop can be cure or prevent.
2	Fertilizers Recommendation System For Disease Prediction In Tree Leave - R.Neela, P.Nithya	2020	Graph cut Algorithm	Many people lead their life from agriculture field, which gives fully related to agricultural products. Plant disease, especially on leaves, is one of the major

				factors of reductions in both quality and quantity of the food crops. In agricultural aspects, if the plant is affected by leaf disease then it reduces the growth of the agricultural level. Finding the leaf disease is an important role of agriculture preservation. After pre-processing using a median filter, segmentation is done by Guided Active Contour method and finally, the leaf disease is identified by using Support Vector Machine. The disease-based similarity measure is used for fertilizer recommendation.
3	Soil based fertilizer Recommendation system for crop disease prediction – Dr.P.Pandiselvi, P.Poornima	2021	Long or Short term memory algorithm.	The proposed system was able to analyse the soil nutrient type efficiently, kind of leaf disease present in the crop and predict the fertilizer in a proficient manner. The approach was flexible, and can be extended to the needs of the users in a better manner.

References:

https://ieeexplore.ieee.org/document/9825446

http://www.ijstr.org/final-print/nov2019/Fertilizers-Recommendation-System-For-Disease-Prediction-In-Tree-Leave.pdf

https://www.semanticscholar.org/paper/Soil-Based-Fertilizer-Recommendation-System-for-Selvi-Poornima/b1541806e8d0ffb21386a1b570ad0cd6b5ff0435