IDEATION PHASE

LITERATURE SURVEY

DATE	16 October 2022
TEAM ID	PNT2022TMID12393
PROJECT NAME	Fertilizer Recommendation System for Plant Disease Predication

Literature Survey :

S. No	Title& Author	Year	Technique	Proposed System
1	Agro based crop and fertilizer recommendation system using machine learning Author : Preethi G.	2020	Artificial Neural Network and SVM	The proposed method takes the soil and PH samples as the input and helps to predict the crops that can be recommended suitable for the soil and fertilizer that can be used as the solution in the form of the webpage. So, the soil information is collected through sensors an the data transmitted from the Arduino through Zigbee and WSN (Wireless Sensor Network) to MATLAB and analyzing the soil data and processing is done with help of ANN
2	Digital image processing techniques for detecting, quantifying and classifying plant diseases Jayme Author : Garcia Arnal Barbedo	2013	Multilayer Perceptron (MLP) Neural Network Fuzzy Classfier	It uses digital image processing techniques to detect, quantify and classify plant diseases from digital images in the visible spectrum. Although disease symptoms can manifest in any part of the plant, only methods that explore visible

				symptoms in leaves and stems were considered.
3	Detection and Classification of leaf disease using Artificial Neural Network Author : Malvika Ranjan	2020	Artificial Neural Network	To detect diseases in plant utilizing the captured image of the diseased leaf. Artificial Neural Network (ANN) is trained by properly choosing feature values to distinguish diseased plants and healthy samples. The ANN model achieves an accuracy of 80%.

References

http://agri.ckcest.cn/ass/NK002-20160530003.pdf

https://ejmcm.com/article_4832_f0fa5d4060331521d4926bde1fae8f50.pdf

https://ieeexplore.ieee.org/abstract/document/9198563