Literature Survey

Date	18 October 2022
Team ID	PNT2022TMID04747
Project Name	Project - Project - Fertilizers Recommendation System For Disease Prediction

S.NO	TITLE	AUTHOR	YEAR	INFERENCE
1.	Machine Learning in Agriculture"Institut e for Bio-Economy and AgriTechnology.	Konstantinos G. Liakos , Patrizia Busato , Dimitrios Moshou , Simon Pearson ID and Dionysis Bochtis	2018	SVM is used here for binary classifier and ANN is used for pattern recognition
2.	Maize yield and nitrate loss prediction with machine learning algorithms.	Mohsen Shahhosseini , Rafael A Martinez-Feria , Guiping HU and Sotirios V Archontoulis.	2019	Pre-growing season prediction of crop production of outputs such as grain yields and nitrogen losses can provide best suggestion of crops to farmers.
3.	Crop Prediction Using Machine Learning.	Kevin Tom Thomas , Varsha S , Merin Mary Saji, Lisha Varghese, Er. Jinu Thomas.	2020	The accuracies obtained here are 85%, 88%, 81%, 82% and 78% respectively. KNN with cross validation has the highest accuracy for this paper.
4.	Risk averse optimization of crop inputs using a deep ensemble of convolutional neural networks	Alexandre Barbosa, Naira Hovakimyan, Nicolas F. Martin	2020	Optimization algorithm show an increase up to 6.4% from the expected net.
5.	Plant Disease Detection and Fertilizer Suggestions	Apurva Save, Aksham Gupta, Sarthak Pruthi, Divyanjana Nikam, Prof. Dr. Shilpa Paygude	2022	Different approaches and models of Deep Learning Methods were explored and used in this project so that it can detect and classify plant diseases correctly through image processing of leaves of the plants.
6.	Machine Learning for Detection and Prediction of Crop Diseases and Pests:	Tiago Domingues , Tomás Brandão and João C. Ferreira	2022	Data sets containing weather, diseases, and pests data should keep records for long periods of time. Time series ML models, such as RNN, can be employed to accurately forecast the occurrence of diseases and pests