LITERATURE SURVEY

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LITERATURE SURVEY

S.NO	Paper Name	Author & Year of Published	Findings
1.	Agriculture Data Analytics in Crop Yield Estimation	B M Sagar, Cauvery N K - 2018	In the paper, we observed that analysis has been done on agriculture soils,hidden patterns discovery using data set related to climatic conditions and crop yields data.Here,crop yield prediction has been surveyed and the major trends have been identified.

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2.	Analysis of agriculture data using data mining techniques:	Jharna Majumdar*, Sneha Naraseeyappa and Shilpa Ankalaki - 2017	In this paper,they used data mining techniques PAM, CLARA and DBSCAN to obtain the optimal climate requirement of wheat like optimal range of best temperature, worst temperature and rainfall to achieve higher production of wheat crop. Clustering methods are compared using quality metrics.

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3.	Application of Data Analytics in Agriculture Sector for Soil Health Analysis:	Samihan Deshmukh,Devesh,Dhannawat,Mohit Dalvi - 2019	In this paper, for soil health analysis they compared prediction of different soil elements with different machine learning algorithms. This survey will be very useful for those who are building products related to soil health analysis and prediction.

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4.	Machine learning based Pedantic Analysis of Predictive Algorithms in Crop Yield Management	M Chandraprabha, Rajesh Kumar Dhanaraj - 2020	In this paper,we observed that, various algorithm operates well with different factors but when considering error rates as performance measure, recurrent neural network (RNN) works well when compared to other algorithms. When considering accuracy as performance measure, BayesNet performs very well for rice crop and produces an accuracy of 97.53%.

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5.	Farmer's Analytical Assistant	Aakash G Ratkal, Gangadhar Akalwadi, Vinay N Patil,Kavi Mahesh - 2016	In this paper,it is intended to help farmers to make educated choices about the crop which he plans to grow next.We have implemented features like production prediction and price prediction which will help the farmer make a reasonable estimate of the price and yield he may get.

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6.	Efficient Bayesian Communication Approach For Smart Agriculture Applications	Cristanel Razafimandimby∗,Valeria Loscr´ı∗, Anna Maria Vegni†, Alessandro Neri - 2017	In this paper, we observed that they presented an inference-based approach –namely, BIA– applied to the PEACH network, with the aim of avoiding useless data transmission. The strong correlation between temperature and humidity data was taken into account for this study.

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S.NO	Paper Name	Author & Year of Published	Findings
7.	Data Driven Approach For Farm Re-Modeling Using Prediction Analytics	V.Roopa,C. Emilin Shyni - 2019	In this paper,we observed that they digitize farming and agricultural activities so that the farmers can check on the requirements of the crops and correctly predict their growth.The proposed system is being modeled such that the field area is being set up with sensors being located at specific locations, drones are set up for weekly monitoring.

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8.	Crop Yield Prediction Using Random Forest Algorithm	NamgiriSuresh,N.V.K.Ramesh,Syed Inthiyaz,P. Poorna Priya,Kurra Nagasowmika, Mashkoor Shaik - 2021	In this paper,it showed that practical use of data mining techniques in predicting crop yield based on climate input parameters. The built website is user-friendly, and that reliability of prediction in all of the other grains and regions chosen in the analysis should be above 75 percent,indicating greater predictive performance

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9.	Self-Organising and Self-Learning Model for Soybean Yield Prediction	Mona Alghamdi*, Plamen Angelov,Raul - 2019	In this paper, the ALMMo-1 system is implemented to predict soybean crop yields from factors that affect the yield. The model achieves high accuracy. The model evolves and updates with each data sample entry, improving memory and computation efficiency.

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S.NO	Paper Name	Author & Year of Published	Findings
10.	Big Data Analytics for Crop Prediction Mode Using Optimization Technique	Shivi Sharma,Hemraj Saini - 2018	In this paper,the final result contains crop names which is suggested in that region for specified rainfall as well as land of farmer in acres. The predicted yield as crop count attribute is displayed in kg/acre format. The attribute yield describes the average production of that crop in 1 acre.

THANK YOU