LITERATURE SURVEY

TITLE	AUTHOR/YEAR OF PUBLISH	ADVANTAGE/ DISADVANTAGE	PROPOSED SYSTEM	PROBLEM DESCRIPTION
Prediction of Crop yield using Deep Learning	Geetha Pratyusha Miriyala1 and Arun Kumar Sinha2, 2020	PROS: Generate high yield for the crops. LIMITATION: Depend upon the data	Accurate estimation of crop yield is a challenging field of work.	ANN,CNN are used.Decision Making, Feature Extraction, Deep Learning, Remote Sensing, Wireless Sensor Networks.
Data analysis and prediction for agricultural production	Ms. Priyanka Bakare and Ms. Shamika Ghodke, 2020	PROS: Help in cut costs. Product higher crop yield. LIMITATION: Sudden change in weather cause crop damage.	Preparation of fields for sowing of a crop with adequate availability of seed zone.	Difficult for farmers and common man to predict months of plantation and yield of the crop due to irregularities.

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Agriculture Data Analytics in Crop Yield Estimation	Dr. Gururaj T, Prerana Prakash Latti, Rakshanda B, Rakshit V M, Ranjana B, 2022	PROS: The volume of data is enormous in Indian agriculture. LIMITATION: Seasons with average productions.	Farmers need crop yield before sowing seeds in their fields to achieve enhanced crop yield.	They observed that analysis has been done on agriculture soils, hidden patterns discovery using data set.
Analysis of crop yield prediction using data mining techniques	D Ramesh, B Vishnu Vardhan, 2018	PROS: Easy to predict for the solution. LIMITATION: Limited number of the resource allocated.	Predict the yield of the crops using, Atmospheric condition.	Predict the yield of the crops using different parameters like rainfall, temperature, fertilizers,

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Machine learning based crop yield prediction on geographical and climatic data.	Sandhya V Ajith Padyana, 2021	PROS:Weather can cause physical damage to crops. LIMITATION: Sudden change in weather cause crop damage.	A method is proposed which predict the estimate of the crop yield for a specific land.	Regression models such as Decision Tree Regression, KNN Regression, with feature scaling, cross validation
Crop yield prediction using machine learning	Thomas van klompenburg, ayalew kassahun, cagatay cat,2018	PROS: to generate high yield for the crops. LIMITATION: To large data	Crop yield prediction is one of the challenging problems in precision agriculture	According to their analysis used feature temperature, algorithm is ANN in models.

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Analysis of agricultural data using data mining techniques.	G. Sarmistanjali M. Sudeepthi swathi K. Phanindra kumar S. Gowtham kumar, 2021	PROS: The massive amount the content available for that particular remedies. LIMITATION: Finding the remedies difficult.	Extended to analyse the soil and other factors for the crop and to increase the crop production under the different climatic conditions.	Finding optimal parameters to maximize the crop production using data mining techniques like PAM, CLARA etc.
Crop yield prediction using machine learning	Thomas van klompenburg, 2020	PROS:Generate high yield for the crops. LIMITATION: Took time to finding.	Crop yield prediction is one of the challenging problems in precision agriculture	They used CNN,LSTM algorithm used in these model.

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Prediction and Analysis of crop using machine learning technique	Manoj G, Prajwal G, Ashoka U, Prashant Krishna, Anitha P, 2020	PROS:A very effective crop production management. LIMITATION: Cultivation of Right crops.	It will predict the most crop for particular land based on soil content and weather.	They main objective is to collect data that can be stored and analysed for forecasting the crop yield.
Estimating crop yields with Remote sensing and deep learning	Bruno silva , 2020	PROS:Better understand risks of production LIMITATION: ensurers to better understand risks of production.	Increasing the accuracy of crop yield estimates may allow improvements in the whole crop production chain.	And They used as deep learning to understand risk of production.