LITERATURE SURVEY

S.no	Title	Author & year	Description	Future Enhancement	Merits & Demerits
1.	A smart agricultural model by integrating IoT, mobile and cloud-based big data analytics	S.Rajeshwari,K Suthendran,K Rajkumar, 22 March 2018	Their aim is to increase the crop production and control the agricultural cost of the products using this predicted information.	This work can be extended to the selection of features and better processing of exogenous variable data	**Merits:** It helps in making decisions regarding the investment prospects in the current system. **Limitation:** The detected peak is not accurate(high or low).

LITERATURE SURVEY

S.no	Title	Author & year	Description	Future Enhancement	Merits & Demerits
2.	Big Data Analytics in Weather Forecasting: A Systematic Review	Marzieh Fathi & Ebrahim Mahdipour, 20 July 2021	A feasible taxonomy of the current reviewed papers is proposed as technique-based, technology-based, and hybrid approaches.	This work can be extended to the selection of features and better processing of exogenous variable data	**Merits:** It helps in making decisions regarding the investment prospects in the current system. **Limitation:** The detected peak is not accurate(high or low).

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S.no	Title	Author & year	Description	Future Enhancement	Merits & Demerits
3.	Multidisciplinary Real-Time Model for Smart Agriculture based on Weather Forecasting Using IoT, Machine Learning, Big Data and Cloud	Mona Kumari, Ajitesh Kumar, Prince Singh, Saurabh Singh, 14 February 2022	The model sets up in a way that it will collect the data produced by various sensors. These data will be analyzed and the relevant information has been sent to farmers and agro vendors. The farmers will take action accordingly	This work can be extended to the selection of features and better processing of exogenous variable data	**Merits:** It helps in making decisions regarding the investment prospects in the current system. **Limitation:** The detected peak is not accurate(high or low).

LITERATURE SURVEY

S.no	Title	Author & year	Description	Future Enhancement	Merits & Demerits
4.	Climatic Analysis for Agriculture Cultivation in Geography Using Big Data Analytics	M. Anita & S. Shakila, 28 September 2021	Predicting climate, carbon usage, and soil quality can provide the health of any farming activities. This prediction accuracy level can be closed by applying machine learning techniques to Big Data.	This work can be extended to the selection of features and better processing of exogenous variable data	**Merits:** It helps in making decisions regarding the investment prospects in the current system. **Limitation:** The detected peak is not accurate(high or low).

LITERATURE SURVEY

S.no	Title	Author & year	Description	Future Enhancement	Merits & Demerits
5.	Yield Prediction of Indian Crops Based on Weather Data	P. Athulya & B. Mohammed Ismail, 30 August 2022	In this work, a crop prediction based on linear regression, random forest, and support vector machine methods is applied to existing data to predict crop productivity.	This work can be extended to the selection of features and better processing of exogenous variable data	**Merits:** It helps in making decisions regarding the investment prospects in the current system. **Limitation:** The detected peak is not accurate(high or low).