LITERATURE SURVEY

1.)Title: Climatic Analysis for Agriculture Cultivation in Geography Using Big Data Analytics.

Author: M.Anita & S.Shakila,28 September 2021

Description: 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.

2.)Title: Prediction of Crop Yield using Regression Analysis

Author: Swarupa Rani A/ 2017

Description: Regression analysis was carried out to find the relationship among the parameters i.e.Area under Cultivation (AUC), Annual Rainfall (AR) and Food Price Index (FPI) which influences the final crop yield and reported that the crop yield principally depends on the Annual Rainfall (AR).

3.)Title: A Survey on Crop Yield Prediction based on Agricultural Data .

Author: Dhivya B H, Manjula R, Siva Bharathi S, Madhumathi R/ 2017

Description: Presented a survey on the different algorithms applied in the assessment and prediction of crop yield discussed about the mechanism of knowledge the discovery in Agricultural data mining.

4.)Title: Estimation of crop production using machine learning techniques.

Author: Jyoti Mahajan, Kriti Banal and Samridhi Mahajan (2021)

Description: This system presents a crop yield prediction system using machine learning algorithms. Historical production and meteorological data was collected and processed for analysis and applying ML algorithms. The ML Techniques used were decision trees, random forest, support vector regressor, gradient boosting.

5.)Title: Weather Based Crop Prediction in India Using Big Data Analytics.

Author: Akhilesh Kumar Sharma, Oorja Garg, and Krishna Modi (2021)

Description: This system worked at collecting and analyzing temperature, rainfall, soil, seed, crop production, humidity and wind speed data, which will help the farmers improve the produce of their crops. Firstly, they have pre-processed the data and used MapReduce framework. Secondly, k-means clustering is employed on results gained from MapReduce. After that, they have used bar graphs and scatter plots to study the relationship between the crop, rainfall, temperature, soil and seed.