**1.TOPIC:**Rice Crop Yield Prediction using Data Mining Techniques: An Overview

**AUTHOR:**Dakshayini Patil, Dr. M .S, Shirdhonkar/2017

Discussed various data mining techniques utilized for prediction of rice crop yield for the state of Maharashtra, India. WEKA tool was applied in dataset processing.

**2.TOPIC:** A Survey on Crop Yield Prediction based on Agricultural Data

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

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.

**3.TOPIC:**A Study on Various Data Mining Techniques for Crop Yield Prediction

**AUTHOR:**Yogesh Gandge, Sandhya/2017

Discussed various data mining techniques employed for predicting the crop yield and signifies the importance of accurate data extraction methods of big data analytics.

**4.TOPIC:**The Impact of Data Analytics in Crop Management based on Weather Conditions

**AUTHOR:** Swarupa Rani A/ 2017

Discussed the application of mathematical model like fuzzy logic designs in optimization of the crop yield, artificial neural networks in validation studies, genetic algorithms designs in accessing the fitness of the model applied, decision trees, and support vector machines to study soil, climate conditions and water regimes related to crop growth and pest management in agriculture.

**5.TOPIC:**Prediction of Crop Yield using Regression Analysis

**AUTHOR:**V. Sellamand E. Poovammal/ 2016

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).