The Skill Z Conclave 2019

Hiring-Hackathon 2019

Problem Statement

Predictive Analysis in Agriculture to Improve the Crop Productivity

Abstract:

Agriculture is believed to be as backbone of Indian economic system. For the past few decades, agriculture field has seen lots of technological changes to improve better productivity. The world population grows steadily but the resources for crop production continuously diminish.Precision agriculture involves in collecting realtime data on weather, air quality, soil, crop maturity, equipment, labor costs and availability of existing data.This predictive analytics can be used to make smarter decisions in agricultural field.

PROBLEMS TO BE SOLVED :

Data is collected for different weather conditions, soil type, humidity, air quality, crop maturity, labor costs and statistics of previous few year data have taken under consideration and future will be predicted by using machine learning algorithm

METHODOLOGY:

It is of great value to obtain the crop condition information at early stages of cultivation. The same task is more important in sometimes to acquire the exact production after the harvesting time. Predictive analysis in agriculture is a crop management concept to increase the environmental, economical, market and public pressures on arable agriculture

CONCLUSION : Predictive analysis in agriculture is crop yield monitoring concept. Implementation of this concept should help farmer to produce higher yield. With this concept, input factors can be minimized and output can be maximized in precise way.

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