

Literature survey

<i>Team Id:</i>	<i>PNT2022TMID17541</i>
<i>Project name:</i>	<i>Estimate The Crop Yield Using Data Analytics</i>
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Paper-1

Abstract:

Agriculture is important for human survival because it serves the basic. A well-known fact that the majority of population ($\geq 55\%$) in India is in to agriculture. Due to variations in climatic conditions, there exist bottlenecks for increasing the crop production in India. It has become challenging task to achieve desired targets in Agri based crop yield. Various factors are to be considered which have direct impact on the production, productivity of the crops. Crop yield prediction is one of the important factors in agriculture practices. Farmers need information regarding crop yield before sowing seeds in their fields to achieve enhanced crop yield. The use of technology in agriculture has increased in recent year and data analytics is one such trend that has penetrated into the agriculture field. The present study gives insights on various data analytics methods applied to crop yield prediction and also signifies the

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important lacunae points' in the proposed area of research

Advantage:

1.crop yield prediction is of the great importance to global food.

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2.policy makers rely on accurate predictions to make timely import and export decision to strengthen national food security

3.Ensuring sound use of natural resources, reducing soil erosion, and improving soil quality.

Drawbacks:

1.It involves risk.

2.improper implementation can cause much more harm than good.

3.obligatory more knowledge and skills.

4.requires more knowledge and skills.

5.The difference in growing conditions

Paper-2

Abstract:

Agricultural data is being produced constantly and enormously. As a result, agricultural data has come in the era of big data. Smart technologies contribute in data collection using electronic devices. In our project we are going to analyse and mine

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this agricultural data to get useful results using technologies like data analytics and machine learning and this result will be given to farmers for better crop yield in terms of efficiency and productivity.

Advantages:

1. It removes duplicate information's from data sets and hence saves large amount of memory space. This decreases cost to the company.

2. It is used by security agencies for surveillance and monitoring purpose based on information collected by huge number of sensors. This helps in preventing any wrongdoings and/or calamities.

Drawbacks:

1. The information obtained using data analytics can also be misused against group of people of certain country or community or caste.

2. This may breach privacy of the customers as their information such as purchases, online transactions, subscriptions are visible to their parent companies. The companies may exchange these useful customer databases for their mutual benefits.