

# **Project Report on Data analysis and prediction for agricultural production.**

## **Problem Statement:**

Agriculture is the backbone of Indian economy. Due to global warming and climate change traditional farming in the regular months have been distorted and crops have been ruined is the most common phrase seen today. This not only gives economic losses but also the main reason for farmer suicide. Now agriculture needs support, time has come for technology to take over change. For a crop to grow, favourable soil conditions, ambient rainfall and temperature is necessary. So as now due to climate change temperature and rainfall cannot be well defined, example rains in December and January or irregular temperatures have made it difficult for farmers and common man to predict months of plantation and yield of the crop due to irregularities. So we have formulated an analysis by prediction of a favourable crop based on temperature and current rainfall with soil conditions.

## **Abstract:**

The aim of this project is to make the life and work of the farmer much easier. This can be achieved using the technique - Precision of Soil and Crop, this involves data of crops and other environmental. Following are various applications of Data Analysis in agricultural sector:

1. Soil and Crop analysis
2. Weather Prediction
3. Fertilizer Recommendation
4. Disease Detection and Pest Management

In this Project, we are analyzing data of Soil and Crop and weather for crop prediction.

## **Tools:**

IBM cognos analytics.

**Faculty Mentor name:** Pushpalatha S

**Industry Mentor(s) name:** Srikanth, Mohammed Azhar Uddin

**Team Leader name:** Ponnien Selvan

**Member(s) name:** Prabhu

Naveen Kumar

Priyadharsan

Schedule/Meeting Date:

Sno	Batch	Technology Track	Day	Date	Time Slot	Joining Link	View Recording
1.	B3-3M5E	Data Analytics	Day 1	02-09-2022	6:00pm - 9:00pm	<a href="#">Register</a>	<a href="#">View</a>
2.	B3-3M5E	Data Analytics	Day 2	07-09-2022	9:00am - 12:00pm	<a href="#">Register</a>	<a href="#">View</a>
3.	B3-3M5E	Data Analytics	Day 3	09-09-2022	6:00pm - 9:00pm	<a href="#">Register</a>	<a href="#">View</a>
4.	B3-3M5E	Data Analytics	Day 4	14-09-2022	9:00am - 12:00pm	<a href="#">Register</a>	<a href="#">View</a>
5.	B3-3M5E	Data Analytics	Day 5	16-09-2022	6:00pm - 9:00pm	<a href="#">Register</a>	<a href="#">View</a>
6.	B3-3M5E	Data Analytics	Day 6	21-09-2022	9:00am - 12:00pm	<a href="#">Register</a>	<a href="#">View</a>
7.	B3-3M5E	Data Analytics	Day 7	23-09-2022	6:00pm - 9:00pm	<a href="#">Register</a>	<a href="#">View</a>
8.	B3-3M5E	Data Analytics	Day 8	28-09-2022	9:00am - 12:00pm	<a href="#">Register</a>	<a href="#">View</a>
9.	B3-3M5E	Data Analytics	Day 9	30-09-2022	6:00pm - 9:00pm	<a href="#">Register</a>	<a href="#">View</a>
10.	B3-3M5E	Data Analytics	Day 10	07-10-2022	6:00pm - 9:00pm	<a href="#">Register</a>	<a href="#">View</a>
11.	B3-3M5E	Data Analytics	Day 11	12-10-2022	9:00am - 12:00pm	<a href="#">Register</a>	<a href="#">View</a>
12.	B3-3M5E	Data Analytics	Day 12	14-10-2022	6:00pm - 9:00pm	<a href="#">Register</a>	<a href="#">View</a>
13.	B3-3M5E	Data Analytics	Day 13	19-10-2022	9:00am - 12:00pm	<a href="#">Register</a>	<a href="#">View</a>
14.	B3-3M5E	Data Analytics	Day 14	21-10-2022	6:00pm - 9:00pm	<a href="#">Register</a>	<a href="#">View</a>

### Project Status:

