# ESTIMATE THE CROP YIELD USING DATA ANALYTICS

## Problem Statement:

Data analytics based on prior crop prediction, soil quality analysis to achieve high crop yield throughout technology solution. The main objectives of this project is to predict crop-yield which can be extremely useful to farmers in planning for harvest and sale of grain harvest**.**

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| 1.What does the problem affect? | **1.Water availability**<br>**2.Air pollution**<br>**3.Temperature etc…** |
| 2.What are the boundaries for the problem? | **Boundary line analysis is one way to examine how soil variables influences crop yield in large datasets** |
| 3.What is the issue? | **1.Changing of climate**<br>**2.Sudden change in Weather** |
| 4.When does the issue occur? | **1.No Proper maintenance**<br>**2. Over dose of pesticides and fertilizers** |

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| 5.Why it is important that we fix the problem? | **Improving the yields in crop on a global basis will allow farmers to meet global demand for feed, fuel and food while minimizing the need to bring amount of the new land into the crop production.** |
| 6.What methodology used to solve the issue? | **1.Monitoring crops growth**<br>**2. Regular Scouting**<br>**3.Crop protection** |
| 7.where does the issue occur? | **Using the fertilizers and pesticides above the limited levels it can be caused the Crop severely.** |