Project Design
Phase-I
Solution Fit
Team ID: **PNT2022TMID45976**

Project Title: Estimate the crop yield using data analytics

Define CS, fit into CC

1. CUSTOMER SEGMENT(S) `CS`

Farmers are the customer who wants to yield a crop in field.

6. CUSTOMER CONSTRAINTS `CC`

Less knowledge and development towards the current environmental changes and technologies, they follow ancient methods, which is also worthy but, the climatic changes and new kind pesticides

5. AVAILABLE SOLUTIONS `AS`

• Traditional ways of prediction.
• Precision farming

Explore AS, differentiate

Focus on J&P, tap into BE, understand RC

2. JOBS-TO-BE-DONE / PROBLEMS `J&P`

• Help them understand the usage of prediction and software application for good results in agriculture. • Data report should to be created to reduce the loss of the crop and earn more profit in agriculture fields

9. PROBLEM ROOT CAUSE `RC`

• Various disease on the plants can lead to reducing the quality of the crops productivity.

• The insects on the plants can spread the disease.

7. BEHAVIOUR `BE`

• Try to get help from agricultural experts.

• Try to take up non-natural means of cultivation for quicker harvest

Focus on J&P, tap into BE, understand RC

3. TRIGGERS

• Seeing their crops are being

infected by disease and facing huge loss in quality.

4. EMOTIONS: BEFORE / AFTER   EM   ,

Before: Most of the famers in India have StresLoosing Self Confidence.

After : Gain of Self Confidence.

10. YOUR SOLUTION   SL

•   The solution for the problem, creating datareport using past datasets.

•   Creating IBM Cognos dashboard could make
them better understand easily.

8. CHANNELS of BEHAVIOUR   CH

• Trying to use pesticides and fertilizers that increase gain but cause harm. • Irrigation channel changes.