**Project Title: Estimate the Crop Yield Using Data Analytics**

**Project Design Phase-I - Solution Fit Template**

**Team ID: PNT2022TMID33122**

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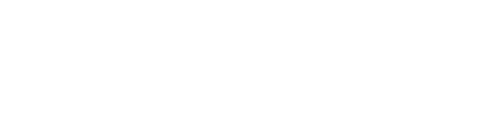
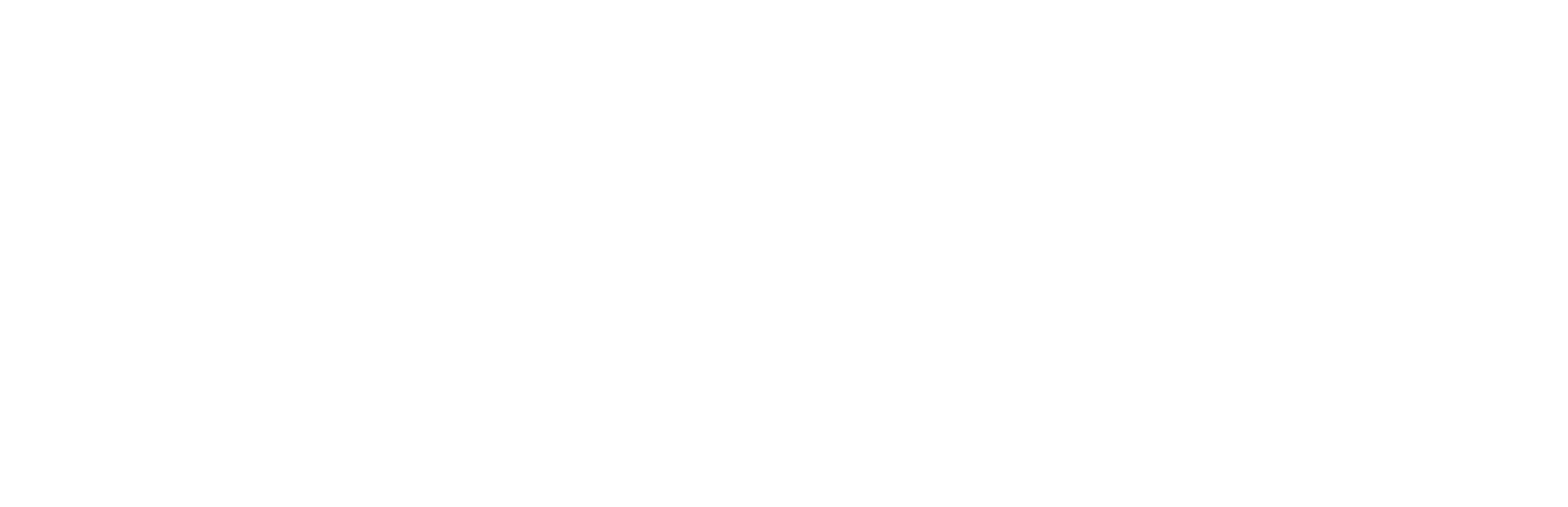
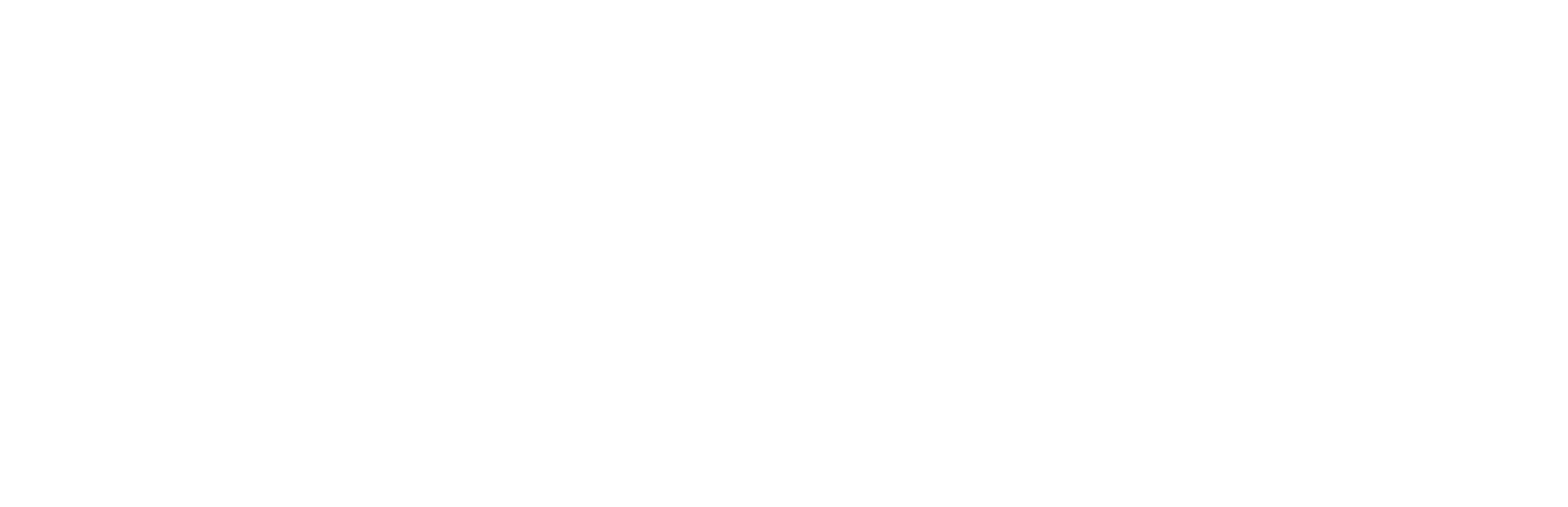
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**•**

Traditional ways of prediction.

**•**

Precision farming.

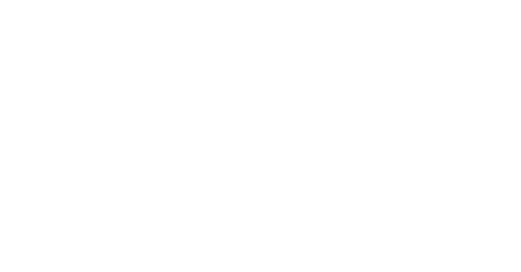


**AS**



**. AVAILABLE SOLUTIONS**

**5**



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

.



**C**

**C**

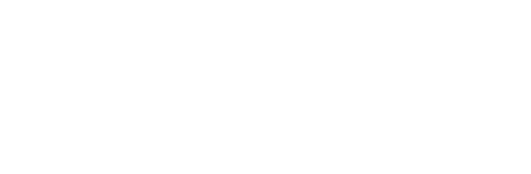


**. CUSTOMER CONSTRAINTS**

**6**



**CS**



**1**

**. CUSTOMER SEGMENT(S**

**)**

Farmers are the customer who wants to

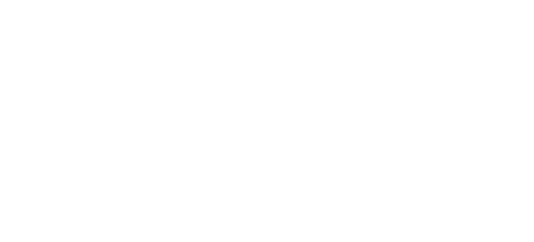
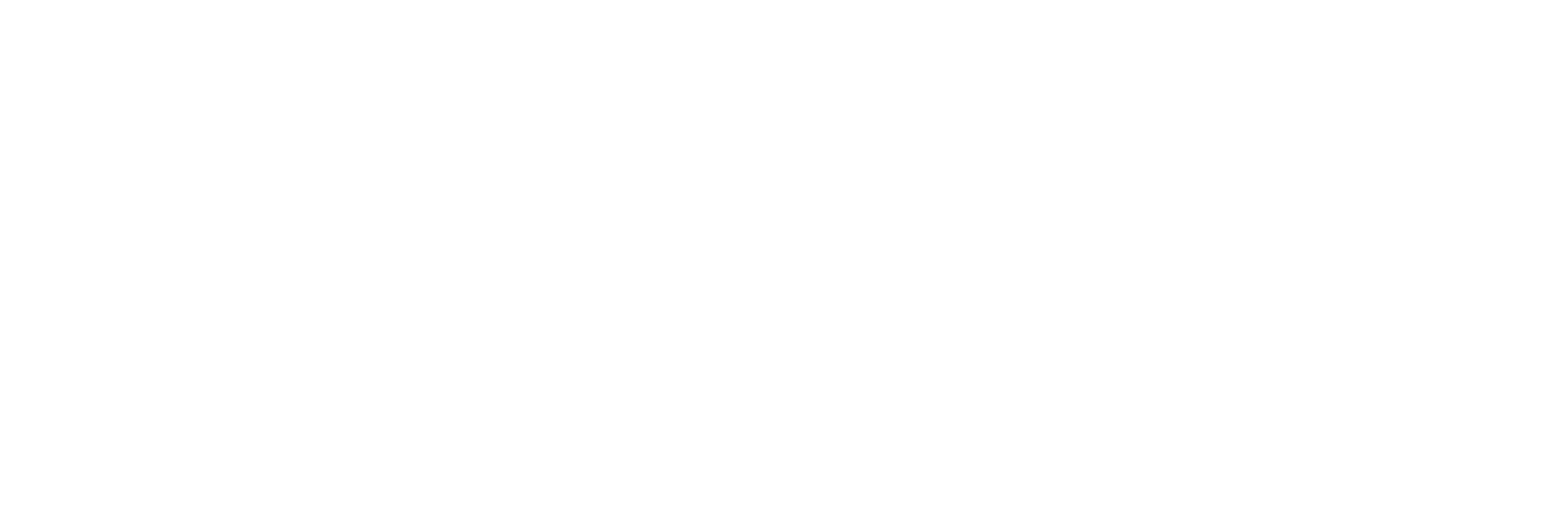
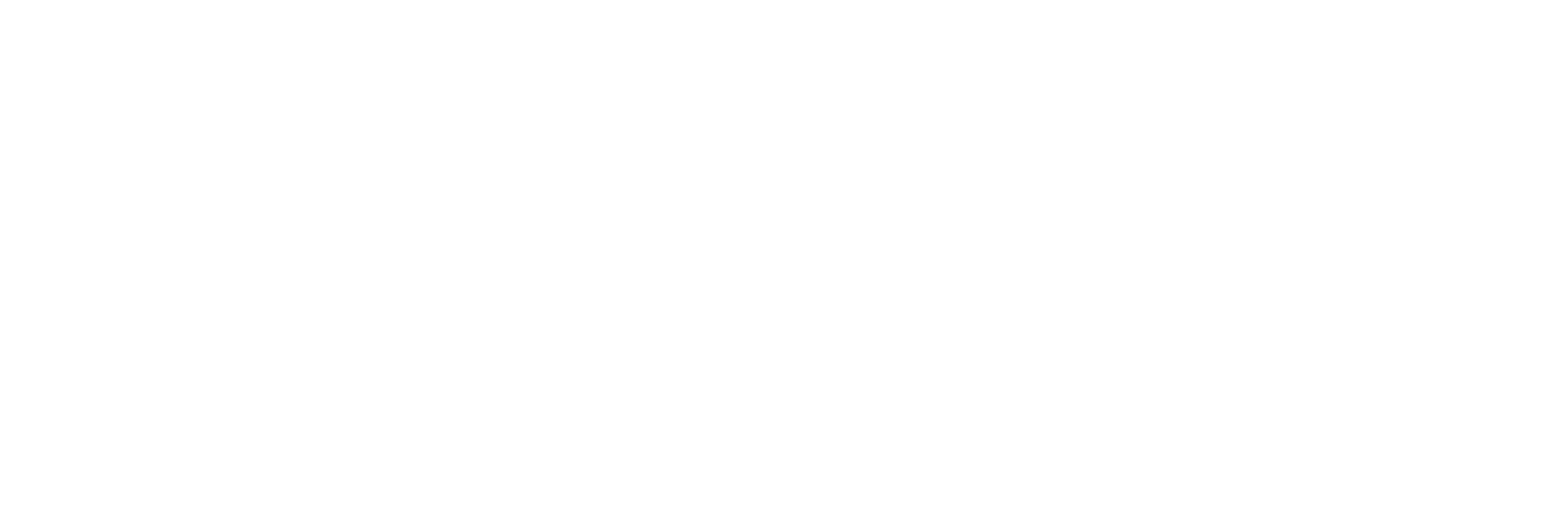
yield a crop in field.



**Explore AS, differentiate**



**Define CS, fit into CC**





Try

to get help from agricultural

experts.



Try to take up non

-

natural means

of cultivation for quicker harvest

.



**BE**

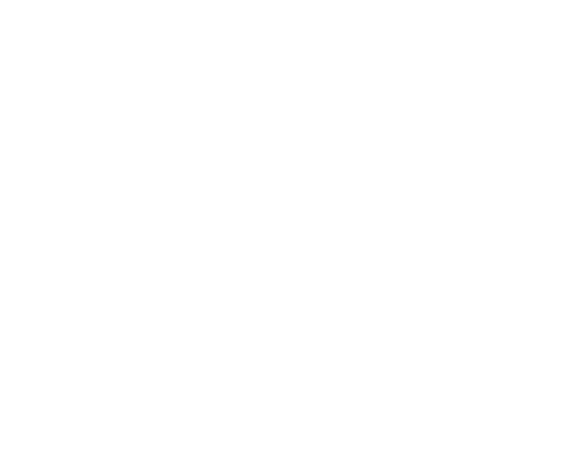


**. BEHAVIOUR**

**7**



**RC**



**. PROBLEM ROOT CAUSE**

**9**



Various disease on the

plants

can lead to reducing the

quality of the crops

productivity.

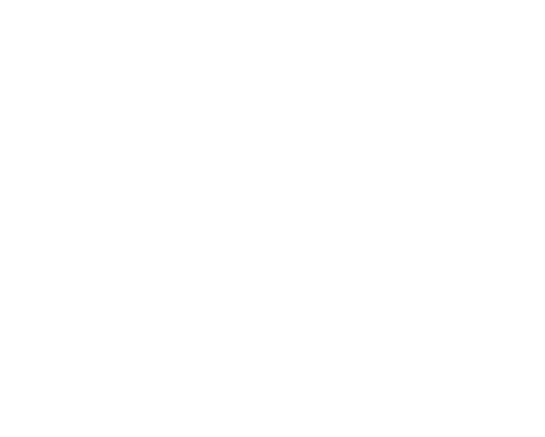


The insects on the plants can

spread the disease.



**J&P**



**2**

**. JOBS**

**-**

**TO**

**-**

**BE**

**-**

**DONE / PROBLEMS**



Help them understand the usage

of prediction and software

application for good results in

agriculture.



Data report should to be created to

reduce th

e loss of the crop and earn

more profit in agriculture fields

.



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



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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **3. TRIGGERS**  **TR**     Seeing their crops are being infected by disease and facing huge loss in quality. | **10. YOUR SOLUTION**  **SL**     * The solution for the problem, creating data report 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. | **Identify strong TR & EM** |
| **4. EMOTIONS: BEFORE / AFTER**  **EM**     * **Before :** Most of the famers in India have Stress, Loosing Self Confidence.      * **After :** Gain of Self Confidence. |

**D x**

