**Project Title:** SMARTFARMER – IoT ENABLED SMART FARMING APPLICATION **Team ID:**PNT2022TMID32046

**Explore AS, differentiate**

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

The available solution is to remotely monitor the field and the condition of the crops.

**AS**

**5. AVAILABLE SOLUTIONS**

The major constraint is farmer cannot predict the crop yield through this given application

It may not be suitable for farm lands with small area.

**CC**

**6. CUSTOMER CONSTRAINTS**

**1. CUSTOMER SEGMENT(S)**

Farmers can monitor their land like soil moisture, humidity, water level through application

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

**Deﬁne CS, ﬁt into CC**

They can make the decision whether to water the crop or postponed.

**7. BEHAVIOUR**

**9. PROBLEM ROOT CAUSE**

Lack of manpower to manage and monitor the field

**2. JOBS-TO-BE-DONE / PROBLEMS**

Monitoring data fetch by sensors in the field to know about the current situation in the field

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

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**3. TRIGGERS**

Managing sensor, irrigation and iot

**10. YOUR SOLUTION**

Instead of going to the field for each and every time, using IoT device connected with various sensors, farmer can know their field’s condition remotely.

1. **CHANNELS of BEHAVIOUR**
   1. **ONLINE**

Through online farmer can analyze the field using apt sensors.

* 1. **OFFLINE**

In offline, each and every time farmer need to went to their field to analyze the field

**4. EMOTIONS: BEFORE / AFTER**

Farmers didn't know what happened in their land but by using technology

they can get knowledge about their field