

# Project Design Phase-I - Solution Fit Template

**Project Title:**

**Team ID:**

**IOT Based Smart Crop Production System for Agriculture**

**PNT2022TMID46736**

## **1.CUSTOMER SEGMENT(S)**

- Blaise pascal, the French philosopher, produced a model which from through the segment of the keyboard and the operation.
- Producers are engaged in agriculture production and livestock farming activities such as dairy farming, poultry or fishery development, goat or sheep rearing.

## **2.JOB- S-TO-DONE /PROBLEMS**

- Also available in French , Spanish, Chinese Arabic many good job opportunities on and off the farm remain in agriculture.
- In addition, irrigation of agricultural crops comprises 70% of global water use and agriculture directly contributes to around 11% of global greenhouse gas emissions.
- Expanding agricultural land can also lead to deforestation, additional GHG emissions and loss of biodiversity.

## **3.TRIGGERS**

- Preconditions, triggers and reinforcing mechanisms help explain the occurrence, timing and intensity of crop booms.
- We propose a supplement type double trigger product by combining weather index and area yield to improve the performance.

#### 4.EMOTIONS BEFORE/AFTER

- The discusses agricultural extension in the context of emotional, perceptual and behavioural change.
- Smaller farms mostly disappeared and instead agricultural has grown in working dogs before and after three different field.

#### 5.AVAILABLE SOLUTIONS

- A step by step guide to farming problems and solutions, biggest challenges for farmers, easy on problems faced by Indian farmers.
- Increase the crop variety to produce disease resistance off springs of the crops.

#### 6.CUSTOMER CONSTRAINSTS

- Pests, high cost of inputs shortage of land, weed infestation, shortage of inputs, low yield, poor quality of seed and poor soil fertility were identified as important crop production constraints.

#### 7.BEHAVIOUR

- Crop protection which include preparation of soil, sowing, adding manure and fertilizers, irrigation, weeding, harvesting and proper storage.
- Paper reviews the findings from the last 20 years on the behavioural factors that influence farmers decisions to adopt environment

#### 8.CHANNAL OF BEHAVIOUR

- Organised sales in the form of “produce baskets”,consist in the advance purchase of weekly baskets of produce adapted to the season.

#### 10.YOUR SOLUTION

- A step by guide to farming problems and solutions, biggest challenges for farmers, easy on problems faced by Indian farmers.
- As part of the crop nutrition strategy, we develop farmer centric solutions that commercially integrate knowledge, digital tools & services.

#### 9.PROBLEM ROOT CAUSE

- Problem with a crop, it's a good idea to first check what's going on below the surface. Prevetion is the best investment you can make and it shows that diversification systems and markets potentially provides security during times of weather.