Project Title:Smart Farmer-IOT enabled smart farming Application

Project Design Phase-I-Solution Fit

Team ID:PNT2022TMID50617

**CUSTOMER SEGMENTS**

**1**

Examples:

Farmers who trying to produce maximum yield

**Problems / Pains**

**2**

Examples:

Requires protecting crops from wild animals attacks,birds and pests

Wastage of water

Improper watering to the plants

**Triggers to act**

**3**

Examples:

By sensing the climate

Regulating the water flow with respect to weather

**EMOTIONS**

**4**

Examples:

Felt smart enough to follow the available technologies with minimum cost

Mental frustrations due to insufficient production of crops

**AVAILABLE SOLUTIONS**

**5**

Examples:

CCTV camera to monitor and supervise the crops

Alarm system to give alert while animal attacks the crops

Automation in irrrigation

**CUSTOMER LIMITATION**

**6**

Examples:

Limited financial constraints

Lack of man power

Limited supervision

**BEHAVIOUR**

**7**

Examples:

Searching for an alternative solution for an existing solution

Ask suggestions from surrounding peoples and implement recent technologies

Consumes more time in crop land

**CHANNELS OF BEHAVIOUR**

**8**

Examples:

Giving awareness among farmers about the applications of the device

Using different platforms

/Social media to describe the working and uses of smart farming applications

**PROBLEM ROOT/CAUSE**

**9**

Examples:

Fields are difficult to monitor when the farmer is not in the field, leading to crop damage

These factors play an important role in deciding whether to water your plants

Frequent changes and unpredictable weather and climate made it difficult for farmers to engage in agriculture

**YOUR SOLUTION**

10

the final decision to irrigate the crop is made by the farmer using the mobile application

it also collects weather data from the weather API

our product collects data from various types of sensors and send the value to our main server