AS

**Explore AS, differentiate** 

# 1. CUSTOMER SEGMENT(S)



The customers of this product are the farmers who cultivate crops. Our aim is to assist, aid and help them to monitor the field parameters remotely and to keep track of the parameters. This product saves the agriculture from extinction.

### 6. CUSTOMER CONSTRAINTS

Deployment of huge number of sensors is difficult. It requires an unlimited or continuous internet connection to be successful.

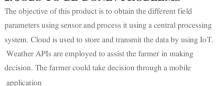
### 5. AVAILABLE SOLUTIONS



The irrigation process is automated using IoT. weather data and field parameters were obtained and processed to automate the process of irrigation. The drawbacks are high cost of installation, efficient

# only for short distance, difficulty in storing the data.

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





## 9. PROBLEM ROOT CAUSE

The frequent change or unpredictable weather and climate, made it difficult for the farmers to do agriculture. These factors play a major role in making decision whether to water the plant or not. The monitoring of the field is hard when the farmer is out of station, thus leading to crop damage.



# 7. BEHAVIOUR

Using proper drain system to overcome the effects of excess water due to heavy rain. Using hybrid varieties of crop that are resistant

