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# to

### 1. CUSTOMER SEGMENT(S)

The Participants are mostly between different ages. The minimum ages is 25 and the maximum is 75. Even children is also participates in agriculture.

### 6. CUSTOMER CONSTRAINTS

- \*Smart irrigation
- \*Reduce post-harvest loss
- \*Data driven supply-chain management
- \*Farmer-centric crop insurance

### 5. AVAILABLE SOLUTIONS

India faces high water stress. The country is amongst those with the most fragile water resources across the world. Estimates suggest that nearly 90% of available water in India is consumed by the agricultural sector. Agriculture holds the key for unlocking sound water management in the country if inefficiencies in water usage are identified and adequately addressed.

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

Average farm size, poor infrastructure, low use of farm technologies and best farming techniques, decrease of soil fertility due to over fertilization and sustained pesticide use are leading contributors to low agricultural productivity.

### 9. PROBLEM ROOT CAUSE

Agriculture in India is dependent on the monsoon season because farmers are not well equipped with modern methods of manual irrigation. They are still dependent on monsoon rains for irrigating their crops. The Indian economy gains due to good monsoon rains in the country resulting in a good yield of crops...

## 7. BEHAVIOUR

Many farmers self-insure against weather-related risks by growing low-value, low-risk crop varieties instead of higher-value crops that may be more sensitive to risks such as variation in rainfall.

### 3. TRIGGERS

Trigger complete solution aggregates all data and decisive components: real time weather forecast. pumping systems, irrigation methods, agronomic irrigation models, filters, fertilizers, irrigation efficiency, humidity sensors and others.

### 4. EMOTIONS: BEFORE / AFTER

Performance of work is related with experiencing various emotions, from positive - indicating full satisfaction with work, to negative - describing failures, and even harm caused by work. Such emotions are also experienced by farmers engaged in work on family farms.

### 10. YOUR SOLUTION

Extensive and efficient efforts of afforestation. Increase in community forest land. Increase in notified area allocated for forest growth. Better peoples participation in managing forest area.

Based on the climate the farmer needs to farm. But now a day's its different in summer season it's raining and winter season it's raining we can't predict the climate changes.

# 8. CHANNELS of BEHAVIOUR Seasonal climate variabil ity frequently

undermines farm yields, reduces food availability, and lowers income. This is particularly evident among small-scale agricultural producers in both irrigated and non-irrigated ecosystems in the Global South where maize cultivars constitute an critical component of food production.

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