**Define CS, fit into CC**

### 1. CUSTOMER SEGMENT(S) — CS

Forest guards

People

### 6. CUSTOMER CONSTRAINTS — CC

Satellites gather photographs and relay them to the monitoring authority based on the images. Sensors are used to monitor the nature of air, temperature, size and location.

### 5. AVAILABLE SOLUTIONS — AS

Monitoring weather and water stress
Avoid driving or parking over dry grasses
Using Alarm to detect the forest fire
Never leave a fire unattended
Carefully dispose of hot charcoal

**Explore AS, differentiate**

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

### 2. JOBS-TO-BE-DONE / PROBLEMS — J&P

Satellite remote sensing tool is used for detecting, monitoring and understanding the fire patterns. Forest fire is horrific to watch. But you cannot tear the gaze away. Greedily, it devours everything it sees.

### 9. PROBLEM ROOT CAUSE — RC

Due to forest fire, loss of biodiversity and extinction in plants and animals, ozone layer depletion and health problems leading to the diseases.

### 7. BEHAVIOUR — BE

Having thoughts, memories or nightmares related to the wild fire. Sometimes, people don't have idea about forest fire.

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

**Identify strong TR & EM**

### 3. TRIGGERS — TR

Human sparked fires always seemed more extreme. Fire is caused by humans when a source of fire like naked flame, cigarette, electric spark or any source of ignition comes into contact with inflammable material.

### 4. EMOTIONS: BEFORE / AFTER — EM

Before: Dangerous and worrying about living things

After: Welfare and assistance

### 10. YOUR SOLUTION — SL

We are giving input as video to detect smoke fire through CNN algorithm, if the forest fires are detected, it will notify the fire officers through GPS & GSM. Additionally, the Decision Tree algorithm avoids major causes by detecting and splashing the water.. This model builds by using CNN and machine learning techniques.

### 8. CHANNELS of BEHAVIOR — CH

**8.1 ONLINE**

Fire detecting sensor
GPS , GSM

**8.2 OFFLINE**

Creating awareness about forest fires among people and immediate information report to the fire officers.

**Identify strong TR & EM**