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| Define CS, fit into CC | <div>1. CUSTOMER SEGMENT(S)<div>CS</div></div> <div>Forest officer Common people</div> | <div>6. CUSTOMER CONSTRAINTS<div>CC</div></div> <div>Satellites allow for detecting and monitoring a range of fires, providing information about the location, duration, size, temperature, and power output of those fires that would otherwise be unavailable. Satellite data is also critical for observing and monitoring smoke from the fires.</div> | <div>5. AVAILABLE SOLUTIONS<div>AS</div></div> <div>Avoid burning wastes around dry grass. Obey local laws regarding open fires, including campfires Have firefighting tools nearby and handy. Use fire resistant roofing materials. undertake technical checkups regularly. Monitoring weather analytics, monitoring thermal anomalies, monitoring water stress and temperature rises.</div> | Explore AS, differentiate |
| | <div>2. JOBS-TO-BE-DONE / PROBLEMS<div>J&P</div></div> <div>Satellite remote sensing offers a useful tool for forestfire detection, monitoring, management and damage assessment. During a fire event, active fires can be detected bydetecting the heat, light and smoke plumes emitted from the fires. This applicationuses real-time satellite data to detect and monitor forest fires (sending alerts to mobile devices), and understand fire patterns.</div> | <div>9. PROBLEM ROOT CAUSE<div>RC</div></div> <div>Forest fires cause lots of damage, some of them are – loss of wildlife habitat, extinction of plants and animals, destroys the nutrient rich top soil, reduction in forest cover, loss of valuable timber resources, ozone layer depletion, loss of livelihood for tribal people and poor people, increase in global warming.</div> | <div>7. BEHAVIOUR<div>BE</div></div> <div>When the people don't have knowledge about forest fire</div> | |
| Focus on J&P, tap into BE, understand RC | | | | Focus on J&P, tap into BE, understand RC |
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| Identify strong TR & EM | <div>3. TRIGGERS<div>TR</div></div> <div>Human-caused fires result from campfires left unattended, the burning of debris, equipment use and malfunctions, negligently discarded cigarettes, and intentional acts of arson.</div> | <div>10. YOUR SOLUTION<div>SL</div></div> <div>For this problem we use image processing and video analysis so by using satellite image processing we can able to find the fire at the early stage and stop spreading fire in the forest . This model is mainly build by using CNN and machine learningand deep learning</div> | <div>8. CHANNELS of BEHAVIOUR<div>CH</div></div> <div>ONLINE: fire alert sensor OFFLINE: Fire awareness program</div> | Identify strong TR & EM |
| | <div>4. EMOTIONS: BEFORE / AFTER<div>EM</div></div> <div>Before : unsafe and worries about lives and belongings After : safety and relief</div> | | | |

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