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| 1. CUSTOMER SEGMENT(S) | | 6. CUSTOMER CONSTRAINTS | | S. AVAILABLE SOLUTIONS | |
| Forest officer Common people | | 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. | | Avoid burning wastes around dry grass. Obey local laws regarding open fires, including community rules. Have firefighting tools nearby and handy. Use fire resistant roofing materials. undertake fire safety checks regularly. Monitoring weather analytics, monitoring thermal anomalies, monitoring water stress and temperature risks. | |
| 2. JOBS-TO-BE-DONE/ PROBLEMS | | 9. PROBLEM ROOT CAUSE | | 7. BEHAVIOUR | |
| Satellite remote sensing offers a useful tool for forest fire detection, monitoring, management and damage assessment. During a fire event, active fires can be detected by detecting the heat, light and smoke plumes emitted from the fires. This application uses real-time satellite data to detect and monitor forest fires (sending alerts to mobile devices), and understand fire patterns. | | 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. | | When the people don't have knowledge about forest fire | |
| 3. TRIGGERS | | 10. YOUR SOLUTION | | 8. CHANNELS of BEHAVIOUR | |
| Human-caused fires result from campfires left unattended, the burning of debris, equipment use and malfunctions, negligently discarded cigarettes, and intentional acts of arson. | | For this problem we use image processing and video analysis so by using satellite image processing we can be able to find the fire at the early stage and stop spreading fire in the forest. This model is mainly built by using CNN and machine learning and deep learning | | ONLINE: fire alert sensor OFFLINE: Fire awareness program | |
| 4. EMOTIONS: BEFORE/ AFTER | | | | | |
| unsafe and worries about lives and | | | | | |

Before belongings

After : safety and relief