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| <b>1. CUSTOMER</b><br><br>Forest Surveillance officer who tries to protect forest and its resources.            | <b>6. CUSTOMER CONSTRAINTS</b><br><br>24x7 monitoring, delay in transferring information.   | <b>5. AVAILABLE SOLUTIONS</b><br><br>Having officers monitor the forests.<br>Fitting smoke and heat detecting sensors inside forests.<br>Use image processing on satellite images to detect fire. |
| <b>2. JOBS TO BE DONE</b><br><br>Automating the detection process.<br>Reducing the information processing time. | <b>9. PROBLEM ROOT CAUSE</b><br><br>Having forest officers monitoring the forests is impossible.<br><br>There is a danger of losing wildlife. | <b>7. BEHAVIOUR</b><br><br>Customer setup this application on their device and configure their device to receive alert information when fire is detected.   |

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| <b>3. TRIGGERS</b><br><br>Knowing other countries implement image sensing techniques to detect forest fires.<br><br>Losing forest resources and wildlife due to fire accidents. | <b>10. YOUR SOLUTION</b><br><br>Our solution is to design a software which senses images taken by satellite and process those images to detect fire. | <b>8. CHANNELS of BEHAVIOUR</b><br><br>8.1 ONLINE<br>Automating the fire detection process.<br>8.2 OFFLINE<br>Monitor forests manually and transmit information through walkie-talkies. |
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|  | <p><b>4. EMOTIONS: BEFORE / AFTER</b></p> <p>BEFORE</p> <p>Unaware, fear of losing resources, difficult process.</p> <p>AFTER</p> <p>In-Control, aware and time saving.</p> |  |  |  |
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