

Problem-Solution Fit canvas

Purpose / Vision

Version:

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|-------------------------|--|--|--|-----------------------------------|
| Define CS, fit into CL | 1. CUSTOMER SEGMENT(S) CS <div>IBM</div> | 6. CUSTOMER LIMITATIONS <small>EG. BUDGET, DEVICES</small> CL <div>Can be only used in laptop or personal computer</div> | 5. AVAILABLE SOLUTIONS <small>PLUSES & MINUSES</small> AS <div>Real time detection of forest fire Alerting the officers via messages</div> | Explore AS, differentiate |
| | 2. PROBLEMS / PAINS <small>+ ITS FREQUENCY</small> PR <div>People are using sensors to detect the fire ,but this case is not possible for large acres of forest. we proposed a platform of Artificial Intelligence The computer vision methods for recognition and detection of smoke and fire, based on the still images or the video input from the cameras</div> | 9. PROBLEM ROOT / CAUSE RC <div>Many forest fires start from natural causes such as lightning which set trees on fire. High atmospheric temperatures and dryness (low humidity) offer favorable circumstance for a fire to start. Forest area cover large acres of land so it is not easy to find the fire easily</div> | 7. BEHAVIOR <small>+ ITS INTENSITY</small> BE <div>Compare the existing product in the market Ask for expert opinionion</div> | |
| Identify strong TR & EM | 3. TRIGGERS TO ACT TR <div>Due to increase vulnerability of forest fire Difficult to control the forest fire after it spread to wide area</div> | 10. YOUR SOLUTION SL <div>Fetch the data from cctv or drones Image preprocessing Image classification using CNN model Video Analysis using opencv If fire detected, send alert messages</div> | 8. CHANNELS of BEHAVIOR CH <div> <small>ONLINE</small> Extract online channels from Behavior Block <small>OFFLINE</small> Extract offline channels from Behavior Block </div> | Extract online & offline CH of BE |
| | 4. EMOTIONS <small>BEFORE / AFTER</small> EM <div> Before : Stress,Helplessness,frustration After : Less stress,sense of relief ,feeling smart,satisfaction </div> | | | |



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Designed by Daria Nepriakhina / [IdeaHackers.nl](https://ideaHackers.nl) - we tailor ideas to customer behaviour and increase solution adoption probability.