Problem-Solution Fit

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• IBM

• Can be only used in laptop or personalcomputer

• **CUSTOMER SEGMENT(S)**

6. CUSTOMER LIMITATIONS

Real time detection of forest fire Alerting the officers via messages

EG. BUDGET, DEVICES

5. AVAILABLE SOLUTIONS PLUSES & MINUSES

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• 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 IntelligenceThe computer vision methods for recognition and detection of smoke and fire, based on the still images or the video input from the cameras
   • Many forest fires start from natural causes such aslightning which set trees on fire.
   • High atmospheric temperatures and dryness (low humidity) offer favorable circumstance for afire to start.
   • Forest area cover large acres of land so it is not easy to find the fire easily
   • **PROBLEMS / PAINS** + ITS FREQUENCY

PR

9. PROBLEM ROOT / CAUSE

`RC`

- Compare the existing product in the market
- Ask for expert opionion
  - **BEHAVIOR** + ITS INTENSITY

`BE`

-
    - Due to increase vulnerability of forest fire
    - Difficult to control the forest fire after it spread to wide area
    - **TRIGGERS TO ACT**

- Before : Stress,Helplessness,frustration After   : Less stress,sense of relief ,feeling
    - smart,satisfaction
    - **EMOTIONS** BEFORE / AFTER

`TR`

Fetch the data from cctv or drones Image preprocessing
Image classification using CNN modelVideo Analysis using opencv
If fire detected, send alert messages

`EM`

10. YOUR SOLUTION

`SL`

8. CHANNELS of BEHAVIOR

Extract online channels from BehaviorBlock

ONLINE

Extract offline channels from BehaviorBlock

OFFLINE

`CH`

.NL