Project Title: Emerging Method for Early Detection of Forest Fires   **Team ID: PNT2022TMID01463**

1. CUSTOMER SEGMENT(S)? — CS

Firefighter who tries to save several lives in forest

6. CUSTOMER CONSTRAINTS — CC

Low Manpower
Lack of Equipments
Limited Budget

5. AVAILABLE SOLUTIONS — AS

1)Construction of observation towers and warehouses for equipment on a fixed distance basis
2)By always patrolling
3)Avoid flammable item

2. JOBS-TO-BE-DONE / PROBLEMS — J&P

1)Early detection of forest fires
2)Reduce the false alarm
3)Quick and accurate information with less delay

9. PROBLEM ROOT CAUSE — RC

Lightning ,High atmospheric temperature and dryness are some of the root causes of forest fires

7. BEHAVIOUR — BE

Directly related:Use more manpower for monitoring and patrolling
Indirect related:Ask for expert opinion

Focus on J&P, tap into BE, understand RC

3. TRIGGERS `TR`

1. Due to huge loss of wildlife.
2. Because of Deforestation.
3. worsening of weather conditons.

4. EMOTIONS: BEFORE / AFTER `EM`

BEFORE
Stress and Frustration

AFTER
Sense of Relief

10. YOUR SOLUTION `SL`

Image processing and Video Analysis with the help of CNN model ,openCV ,of the data fetched from the monitoring cameras or drones to detect the fire. If detected, send alert alarm without delay

8. CHANNELS OF BEHAVIOUR

`CH`
8.1 ONLINE

Research for existing product

8.2 OFFLINE

Interaction with experts