Project Title : EMERGING METHODS OF EARLY DETECTION OF FOREST FIRES

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Define CS, Fit into CC

1.CUSTOMER SEGMENT `CS`

In order to protect the forest resources,

which are essential for supporting life on Earth

from sudden fire and smoke outbreakes.

The forest management group does require

this gadget. In places at risk of fire.

6.CUSTOMER CONSTRAINTS `CC`

The deviation is caused by greenhouse gases

and changes in the Climate.

The Human tendency to consume resources

greedily is another important contributing

cause to forest fires

5.AVAILABLE SOLUTIONS `AS`

For the purpose of Detecting forest fires,

existing systems use optical sensors,

The sensors alert the office of forest management

when a fire is spotted. In addition satellites are

utilised to find IR rays seen in forested areas

Explore As, Differentiate

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

2.JOBS -TO-BE-DONE / PROBLEMS `J&P`

By releasing a lot of carbon dioxide,

carbon monoxide, and fine particulate

matter into the environment, the main

issue is weather and climate. As a result,

air pollution can lead to a variety of health problems.

such as respiratory and cardiovascular disorders

9.PROBLEM ROOT CAUSE `RC`

The following are some rationales

1.Lightning a natural occurrence

2.Man-made causes .cigarettes, naked flames, and

electric sparks

Therefore ongoing care and observation are

required to protect natural resources in order to

save lives.

7.BEHAVIOUR `BE`

When fire is detected the system which is

implemented to monitor the forests sets the alarm

to ring, that is it gives the signal through which

fire management team and the forest committee tries

to call off the fire. Thus, the aim is to recognise the fire

as early as possible to prevent spread of fire which

will cause further damage and it'll become difficult to

control

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

Identify strong TR & EM

3.TRIGGERS `TR`

Due to the existence of a great deal of dry grass all
around and the possibility of the campfire
remaining scorched, the uncontrolled behaviour
toward burned cigarettes can spread

4.EMOTIONS : BEFORE / AFTER `EM`

Since the ariables that affect a wildfire's course
and intensity are erratic and subject to alter at
any time, They can be very stressful. People who have
experienced wildfires may experience severe anxiety
and mood swings

10.YOUR SOLUTION `SL`

We have presented a method to detect forest fires
early using CCTV camera surveillance, Which
can detect fire in both indoor and outdoor activities.
in order for the forest management office to stop
the damage brought on by the fire, immediate alarms
must be given to them

8.CHANNELS OF BEHAVIOUR `CH`

Online detection : As a result, the chatbot or the
API can connect over the internet to provide you with
information on the forest's present condition.

Offline Detection : As a result, the forest managers
can notify surrounding residential areas or raise
awareness through the media (radio, news)

Identify strong TR & EM