Project Design Phase-1

Problem Solution Fit.

Date	09 October 2022
Team ID	PNT2022TMID07050
Project Name	Emerging Method For Early Detection Of Forest Fires.

Proposed solution fit.

1.Customer Segment

-To adopt a new technology.

-For officers who works in forestry department.

2.Problems/Pains

-Deterioration of air quality,loss of property ,resources and animal.

-Sometimes devices may malfunction.

3.Triggers and emotions

-To get prior information of forest fire

-It would proceed the misinformation or late details about the forest fire.

4.Customer Limitations

-Should have knowledge about the devices.

-feature loaded device.

5.Problem Root/Cause

-The forest fire starts from natural cause such as lightning.

-Less humidity, high temperature may also cause forest fire

6.Your Solutions

-We train the model with required algorithm like CNN,images of smoke,fire

-Classifying the intensity of the flame using sensors.

7.Available Solution

-satellite based system give high resolution image but it provieds image of entire earth for every two days,that is long time for fire scanning.

8.Channels of Behavior

-They should monitor and checj the device functionalitiy, to alert the smokejumpers.

-They should be present at the fire spot with extinguisher and with all saftey precautions.

9.Behavior

-It emits a large amount of CO2 which may lead to increase in global warming.

-It measures the intensity,light,colour and defines according to its behaviour.