

V.S.B. ENGINEERING COLLEGE

(Approved by AICTE, New Delhi, Affiliated to Anna University)

An ISO 9001:2015 Certified Institution

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<u>Title</u>: Emerging Methods for Early Detection of forest

fires

<u>Domain name</u>: Artificial Intelligence

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Problem statement:

A Large destructive fire that spread over a forest or area of woodland which leads to damage in Wildlife, humans, property and Environment. The major Causes Are Lightning. Sparks from Rock falls. Volcanic Eruption or any other manual Ignition from the Humans on purpose which leads to

the following disadvantages: A forest fire sets up the potential for soil erosion to occur, Forest fires always bring death to life of humans and animals, Uncontrolled fires can cause localized air pollution, Homes can be destroyed without compensation

EMPATHY MAP:

SAYS

- Natural causes such as lightning which set trees on fire.
- Vehicles crashes, irresponsible campfires.
- Unextinguished cigarettes, urbanization.
- Climate changes.

THINKS

- Carefully extinguish forest fires and disposal of hot charcoal.
- Drown all fires.
- Keep vehicles off of dry grasses.
- Call 911 to report fire.

WILD LIFE

DOES

- Don't dispose the flammable products and plastics in the forest.
- Avoid deforestation.
- Avoid firing, fireworks nearby forests.
- Frequently check whether and drought conditions.

FEELS

- Safe & Secure
- Easily Predictable
- Saves wildlife and tribal people