Destruction of wildlife and habitats

Increased levels of CO2

What do they THINK AND FEEL?

what really counts
major preoccupations
worries & aspirations

Monitoring any suspicious action in the forest

Lack of Scientific Techniques to extinguish fires

Estimation of burnt areas and smoke suspended in the air are assessed

What do they HEAR?

what friends say
what boss say
what influencers say

Immediate detection of fire sends a signal to the cloud and notifies emergency service

Earlier detection of forest fires protects the environment

Data is collected and analyzed right on spot with sensors

What do they SEE?

environment
friends
what the market offers

A forest cover map is developed with different remote-sensing techniques

Prevents economic and ecological damage

ML techniques are extensively employed for both prediction and detection of forest fires

What do they SAY AND DO?

attitude in public
appearance
behavior towards others

WSN and UAV based forest fire modelling system for monitoring forest fires

Increases safety for humans as there is no need for involvement in detection

Automatic detection of forest fires prevents loss of life

A limited amount of energy to be used for Data Processing

The application of ML techniques has its own limitations

PAIN

fears
frustrations
obstacles

Need for sufficient and specific conditions

Detection of forest fires quickly in real time

GAIN

"wants" / needs
measures of success
obstacles

Potential damage and cost of fire fighting are reduced

Efficient and avoids the usage of many resources