

What do they THINK AND FEEL?

what really counts
major preoccupations
worries & aspirations



Destruction
of wildlife
and habitats

Increased
levels of
CO2

Monitoring any
suspicious
action in the
forest

Lack of
Scientific
Techniques to
extinguish fires

Data is
collected and
analyzed right
on spot with
sensors

Earlier detection
of forest fires
protects the
environment

What do they SEE?

environment
friends
what the market offers

Automatic
detection of
forest fires
prevents loss
of life

What do they SAY AND DO?

attitude in public
appearance
behavior towards others

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

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

Prevents
economic and
ecological
damage

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

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

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

PAIN

fears
frustrations
obstacles

Need for
sufficient and
specific
conditions

GAIN

"wants" / needs
measures of success
obstacles

Detection of
forest fires
quickly in real
time

Potential damage
and cost of fire
fighting are
reduced

Efficient and
avoids the
usage of many
resources

A limited
amount of
energy to be
used for Data
Processing

The application of
ML techniques has
its own limitations