

Ideation Phase

Define the Problem Statements

Date	19 September 2022
Team ID	PNT2022TMID39965
Project Name	Project - Emerging Methods for Early Detection of Forest Fires
Maximum Marks	2 Marks

1) Each statement needs a way to,

Detect the fire in
the forest

To predict or
detect forest
fire in the
greeny areas

Requires large
amount of data

So, the can,

It saves for our
future
environment

Detection time is
too fast

Permanent
monitoring and
data collection

2) Each statement needs a way to,

CNN model is
used here

UAV data
collection task in
forest fire will be
monitored

Satellites can be
important source of
data prior too

So, they can,

It saves over 9
million acres of
land

In using of deep
learning gives more
accuracy

It saves our
future
environment

3) Each statement needs a way to,

IOT devices are
required

Sensors are
used to detect
the forest fire

Mutation operator
can be used

So, they can,

It saves 100,000
wildlife's

This safe guarding
detection is useful
for animals in
forest

It saves
ennumber of
species in the
forest

4) Each statement needs a way to,

Computer Vision is
used to interrupt
and understand
images

It involves more
algorithms and
different networks

GB methods like
camera, video-
Based approach is
used here.

So, they can,

It can be done in
the low cost

Detection time is
fast

Accuracy 99.9%