



NALAYATHIRAN

TEAM NAME :DREAM TEAM | TEAM ID:PNT2022TMID49492

PROBLEM STATEMENT

Title : EMERGING METHODS FOR EARLY DETECTION OF FOREST FIRES.

- Forest fires are occurring throughout the year with an increasing intensity in the summer and autumn periods.
- To fight forest fires, different solutions were employed throughout the years. Forest fires also considered as a main contributor to the air pollution, due to the fact that during every fire huge amounts of gases and particulate matter are released in the atmosphere.
- The simplest of these solutions is the establishment of a network of observation posts – both cheap and easy to accomplish, but also time-consuming for the involved people.

Big Idea

Temperature
data
collection

2
Fire fighter

1
Communication
links(network)

AI using object
detection

1
Avoiding the use
of heating & spark
producing for
driedup
vegetation

Using alarm
system
(include fire)

2
Using camera
monitoring

The average
temperature at which
will ignite & burn
between 424 & 475
degrees Fahrenheit

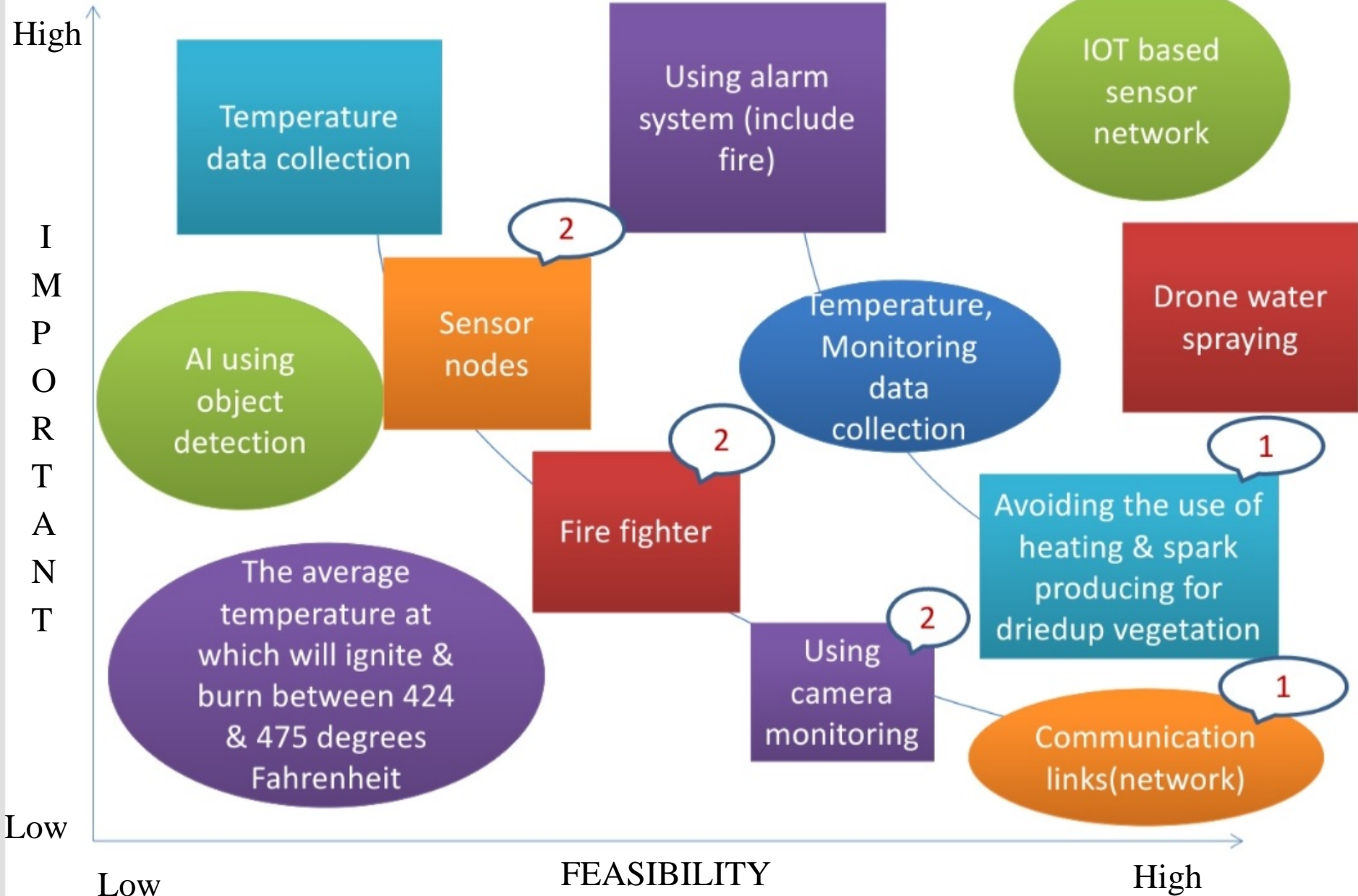
IOT based
sensor
network

2
Sensor
nodes

Temperature,
Monitoring
and data
collection

Drone
water
spraying

Idea Prioritization



TEAM MEMBERS

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