

NALAYATHIRAN

TEAM ID:PNT2022TMID13109





PROBLEM STATEMENT:

Title: EMERGING METHODS FOR EARLY DETECTION OF FOREST FIRES.

Forest fires are occurring throught out the year with an increasing intensity in the summer and autumn periods.

➤ To fight forest fires different solution where employed throughout the years. Forest fires also considered as a main contributed to the air pollution, due to the fact that during every fire huge amounts of gases and particle mater are released in the atmosphere.

The simplest of these solution 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

Fire fighter

2

Communication links(network)

Al using object detection

Avoiding the use

of heating & spark producing for driedup vegetation

Using alarm system (include fire)

Using camera monitoring

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

sensor network

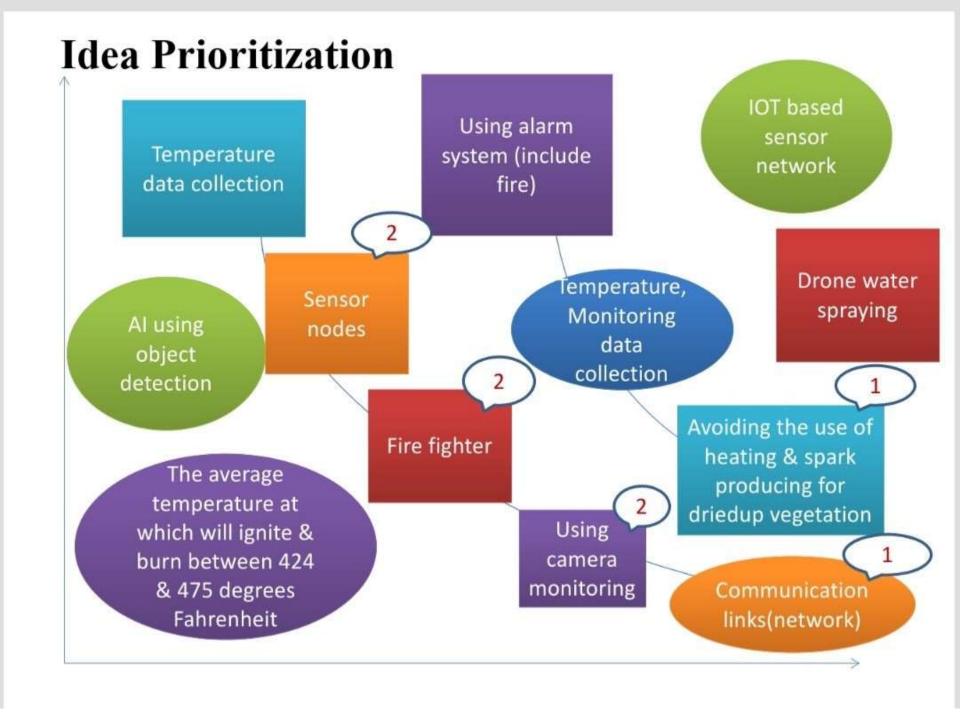
Sensor nodes Temperature,

Monitoring

and data

collection

Drone water spraying



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THANK YOU

