NALAYATHIRAN

TEAM 8

PROBLEM STATEMENT

Title: EMERGING METHODS FOR EARLY DETECTION OF FOREST FIRES

- A large patch of forest under fire is an irreplaceable loss of many lives and species. It has an after effect for a long period of time in the locality. The atmosphere is not breathable for humans.
- This insists for an idea to be developed to detect and reduce the effects of forest fire.

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

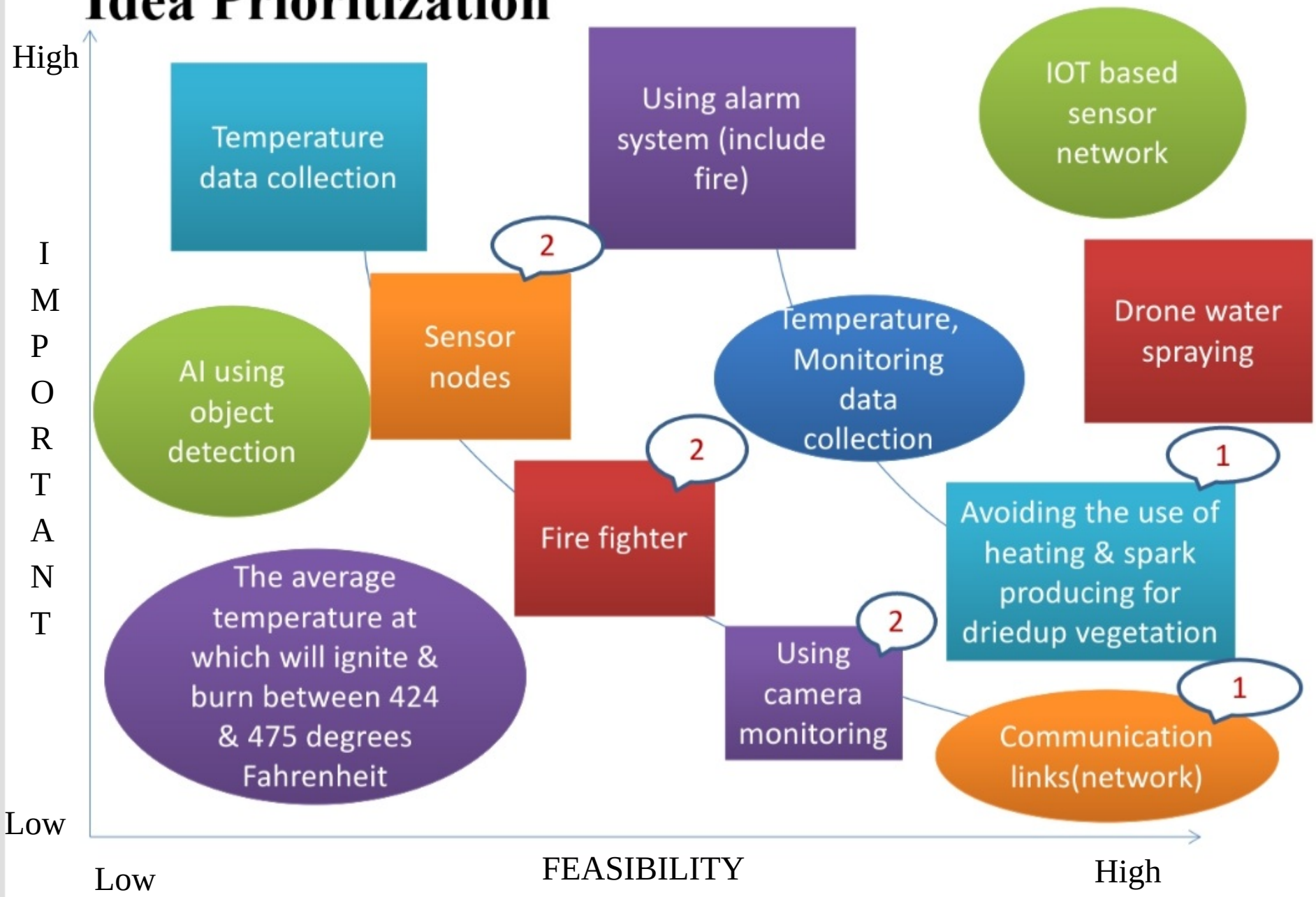
2

Sensor nodes

Temperature, Monitoring and data collection

Drone water spraying

Idea Prioritization



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