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.

Persona

NAME & SKETCH
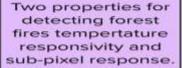
Amazon Forest

Location: Brazil

DEMOGRAPHIC & PSYCHOGRAPHIC DETAILS

BEHAVIORS & ACTIONS

Behavior :
Weather, topography and fuels.
Action:
Detection of forest fire using CO_2 sensors, ionization/ photoelectric and heat.

High temperatures and low humidity cause vegetation to dry and wildfires to burn rapidly.

Two properties for detecting forest fires tempertature responsivity and sub-pixel response.

NEEDS & PAIN POINTS

Needs to use real-time satellite data detect and monitor fires and under land fire patterns.

Saving people, animals and environment. We prevent high valued trees.

Reduce carbonmonoxide, hydrogen and other gases emitted

Heat is obviously triggered by temperature while the other three are from smoke.

TEAM MEMBERS:

➢ ROSHINI.R(717819F242)-TEAM LEADER

➢ PRIYA.S(717819F141)

➢ SHOBIKA.R(717819F148)

➢ ATHIRA.S.R(717819F204)

THANK YOU