NALAYATHIRAN

TEAM NAME :DREAM TEAM | TEAM ID:PNT2022TMID49492

PROBLEM STATEMENT

Title : EMERGING METHODS FOR EARLY DETECTION OF FOREST FIRES.

- Forest fires are occurring throughtout 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 & Context (EMPATHY MAP)

Persona

Amazon Forest

NAME & SKETCH

Behavior :
Weather,topography and fuels.
Action:
Detection of forest fire using CO2 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.

BEHAVIORS & ACTIONS

DEMOGRAPHIC & PSYCHOGRAPHIC DETAILS

Location:
Brazil

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

- **SWETHA K (923819104051) - TEAM HEAD**
- **NASREEN M (923819104027)**
- **KEERTHIGA G (923819104021)**
- **SANGEETHA M (923819104039)**

THANK YOU

IBM