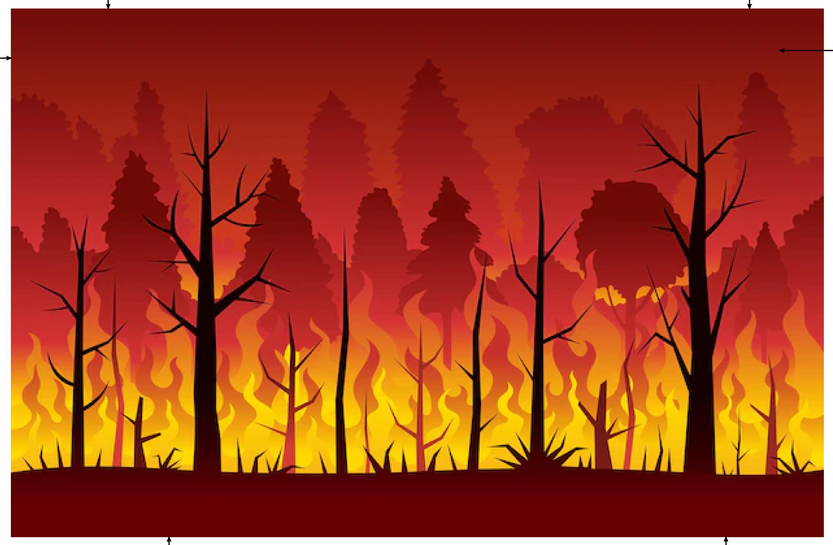
Emerging Methods for Early Detection of Forest Fires

Fire detection system can limit the emission of toxic products created by combusion

Detecting a fre qiuckly and accuratly

What do they THINK and FEEL?



PAINS
What are their fears, frustrations, and anxieties?

GAINS
What are their wants, needs, hopes, and dreams?

Detects the fire immediately sound the alarm,sending a signal to the cloud and notifying emergency service

Applying the machine learning techniques to fre detection systems has many limitations.

K means clustering algorithm characterized by high stabilization and versatility

Sensor analyzes the data it collects right there on a spot

What do they HEAR?
What are they hearing others say?
What are they hearing from friends?
What are they hearing from colleagues?
What are they hearing second-hand?

What do they SEE?
What do they see in the marketplace?
What do they see in their immediate environment?
What do they see others saying and doing?
What are they watching and reading?

Limited amount of energy ,the energy reqiured for the data processing

Improve the fre detection in real time and accurate.

Three types of alarm monitoring system are used ionosation,photoelectric and combination.

Automated early fire detection protecting the global enviroment.

What do they DO?
What do they do today?
What behavior have we observed?
What can we imagine them doing?

What do they SAY?
What have we heard them say?
What can we magine them saying?

Detection of the fre conditions,two analytical methods are used namely,threshold ratio analysis and analsis using a machine learning algorithm

Radio acoustic sounding systems with fne space,time resolution capablities for monitoring is proposed