

Project Design Phase-I

Proposed Solution Template

Date	23 September 2022
Team ID	PNT2022TMID33784
Project Name	Project – Emerging methods for early detection of fire
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S. No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Forest fire prediction constitutes a significant component of forest fire management. It plays a major role in resource allocation, mitigation and recovery efforts. This paper presents a description and analysis of forest fire prediction methods based on artificial intelligence. A novel forest fire risk prediction algorithm, based on support vector machines, is presented.
2.	Idea / Solution description	<ul style="list-style-type: none">• Avoid burning wastes around dry grass.• Don't start a fire on a windy day.• Use a can or fire pit.• Don't throw explosives and combustibles into the fire.
3.	Novelty / Uniqueness	Whenever you smoke, douse your butts with water and place them in a fire-proof container to safely dispose of after you're sure they've gone out. And whatever you do, don't toss them on the ground.
4.	Social Impact / Customer Satisfaction	Forest fires cause a loss of natural resources, depleting of soil biomass resulting in the loss of various mobile nutrient

5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> • Drones • Robots
6.	Scalability of the Solution	<p>Forest fire prediction constitutes a significant component of forest fire management. It plays a major role in resource allocation, mitigation and recovery efforts. This paper presents a description and analysis of forest fire prediction methods based on artificial intelligence. A novel forest fire risk prediction algorithm, based on support vector machines, is presented.</p>