VSB ENGINEERING COLLEGE, KARUR

Electronics and Communication Engineering

IBM NALAIYA THIRAN

Project Design Phase-I

Proposed Solution Template

Date	23 September 2022
Team ID	PNT2022TMID33568
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. The algorithm depends on previous weather conditions in order to predict the fire hazard level of a day.
2.	Idea / Solution description	• Avoid burning wastes around dry grass. • Don't start a fire on a windy day. • Use a can or fire pit. • Never burn household wastes when any regulations of wildfire prevention policy prohibit it. • 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. The device detects the high temperature , if the forest burns , the smoke will be absorbed and it prevents the forest.
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)	• Drones • Robots • satellites.
6.	Scalability of the Solution	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. The algorithm depends on previous weather conditions in order to predict the fire hazard level of a day -The problem is done.