PROJECT DESIGN PHASE 1

PROPOSED SOLUTION

Date	17 October 2022
Team ID	PNT2022TMID09256
Project Name	Emerging methods for early detection project fire.
Maximum Marks	2 marks

PROPOSED SOLUTION TEMPLATE:

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

S.NO	PARAMETER	DESCRIPTION
1.	Problem Statement (Problem to be solved)	A forest fire makes a disaster for nature and it pollutes the ozone layer. It is hard to send the fire engine immediately.
2.	Idea/Solution description	Here this project proposes the automatic watering system using the Decision Tree algorithm while the fire is detected using the CNN algorithm
3.	Novelty/Uniqueness	Real-time computer programs can quickly identify forest fires before they spread to wider areas. It also takes remedial measures immediately
4.	Impact on society	Destroyed homes and businesses, cut electricity, mobile, and land telephone lines, and blocked roads and railway lines.
5.	Business Model (Revenue Model)	The proposed method was implemented using the Python programming language on a Core i3 or greater (CPU and 8GB RAM.)
6.	Scalability of the Solution	CV model detects fire and smoke using CNN and automates the water supply using DT algorithm.