Project Design Phase-I
Proposed SolutionTemplate

Date	21 October 2022
Team ID	PNT2022TMID35102
Project Name	EMERGING METHODS FOR EARLYDETECTION OF FOREST FIRE
Maximum Marks	2 Marks

ProposedSolutionTemplate:

Projectteam shall fill the following information in proposed solution template.

S/no	Parameter	Description
1	Problem Statement (Problem to be solved)	A 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	Use computer vision methods for recognitionand detection of smoke or fire.
3	Novelty / Uniqueness	Real time computer program detect forest fire in earliest before it spread to larger area.
4	Impact on society	Blocked roads and railway lines, electricity, mobile and land telephone lines cut, destructionof homes and industries.
5	Business Model (Revenue Model)	The proposed method was implemented using the Python programming language on a Core i3 or greater (CPU and 4GB RAM.)
6	Scalability of the Solution	Computer vision models enable land cover classification and smoke detection from satellite and ground cameras