Project Design Phase-1
Proposed Solution

Date	24September 2022
Team ID	PNT2022TMID46933
Project Name	Emerging methods for early detection of forest fires
Maximum Marks	2 Marks

Proposed Solution:

S.NO	Parameter	Description
1.	Problem Statement(Problem to be solved)	Loss of biodiversity and extinction of plants and animals. Loss of wild life habitat. Loss of natural regeneration and reduction in forest cover,global warming.
2.	Idea /Solution description	Use fire pits in territories protected by the department of natural resources. prepare a bucket of water and a shovle to extinguish the bonfire.
3.	Novelty /Uniqueness	Fire detection systems increase response times, as they are able to alert the correct people in order to extinguish the fire.
4.	Social impact / Customer Satisfaction	Monitoring of the potential risk areas and an early detection of forest fires can significantly shorten the reaction time.
5.	Business Model(Revenue Model)	Due to various shapes,textures and colors of fires,forest fire detection is challenging task.
6.	Scalability of the Solution	Using a coupled multi-physics system to predict the evolution of a forest fires is the ability of capturing the effect of meteorological events .