Project Design Phase-1

Date	17 October 2022
Team ID	PNT2022TMID28739
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 .**