

Project Design Phase-I
Proposed Solution

Date	15 November 2022
Team ID	PNT2022TMID20714
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)	Forest fires are a major environmental issue, creating economic and ecological damage while endangering human lives. It is difficult to predict and detect Forest Fire in a sparsely populated forest area So it is necessary to Detect forest fires in an early stage to avoid massive damage.
2.	Idea / Solution description	Identifying huge forest fires in real-time utilising AI algorithms with camera and satellite footage. The systems then notify dispatchers and local authorities about the new ignition
3.	Novelty / Uniqueness	Convolutional Neural Network system allows us to deliver information more quickly and accurately. It is possible to deploy a comprehensive coverage, which is nearly impossible
4.	Social Impact / Customer Satisfaction	Monitoring of the potential danger regions and early identification of fire can greatly minimise the response time, as well as potential damage and frightening expenses, while also saving many lives.
5.	Business Model (Revenue Model)	The application is based on Subscription Model
6.	Scalability of the Solution	Can monitor different places simultaneously and can detect fire accurately. Despite the physical distance between resources and users, its regionally scalable system maintains its usability and utility;