

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID04189
Project Name	Project - Emerging Methods for Early Detection of Forest Fires
Maximum Marks	2 Marks

Proposed Solution Template:

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

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	A method for Detecting forest fires in an early stage to avoid massive damage.
2.	Idea / Solution description	Identifying large forest fires in real-time utilising the AI algorithms with satellite footage and camera. The systems will then notify the dispatchers and the local authorities about the new ignition.
3.	Novelty / Uniqueness	Convolutional Neural Network system enables us to deliver the required information more quickly and accurately. It is also possible to deploy a comprehensive coverage, which is nearly impossible.
4.	Social Impact / Customer Satisfaction	Monitor the potential danger regions and early identification of fire can greatly reduce the response time, as well as potential damage and firefighting expenses, while also saving multiple lives.
5.	Business Model (Revenue Model)	Subscription Model
6.	Scalability of the Solution	Despite the physical distance between resources and users, its regionally scalable system maintains its usability and utility.