

**Project Design Phase-I**  
**Proposed Solution Template**

Date	24 <sup>th</sup> October 2022
Team ID	PNT2022TMID21021
Project Name	Project - Emerging Methods of 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)	Detecting 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 firefighting expenses, while also saving many 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;