

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID14937
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 large patch of forest under fire is an irreplaceable loss of many lives and species. It has an after effect for a long period of time in the locality. The atmosphere is not breathable for humans. This insists for an idea to be developed to detect and reduce the effects of forest fire.
2.	Idea / Solution description	Satellites is used for the source of data prior to and during the fire. To employ real-time forest fire detection and prediction approaches with the goal of informing the local fire authorities.
3.	Novelty / Uniqueness	Instead of using ground-based methods like camera or video-based approach for data collection, satellite data is more resourceful.
4.	Social Impact / Customer Satisfaction	Satellite data is reliable and efficient. The aftereffects of the forest fire can be reduced to a great extent and more damage can be prevented.
5.	Business Model (Revenue Model)	The targeted customers being the government specially the forest department, weather department, NGOs handling environments which increases the revenue in a steady way.
6.	Scalability of the Solution	This is highly scalable as other resources can be scaled using IBM cloud.