

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

Date	19 September 2022
Team ID	PNT2022TMID25532
Project Name	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)	Forest fires are a major environmental issue, creating economic and ecological damage while endangering human lives. There are typically about 100,000 wildfires in the United States every year. Over 9 million acres of land have been destroyed due to treacherous wildfires. It is difficult to predict and detect Forest Fire in a sparsely populated forest area and it is more difficult if the prediction is done using ground based methods like Camera or Video-Based approach. Satellites can be an important source of data prior to and also during the Fire due to its reliability and efficiency. The various real-time forest fire detection and prediction approaches, with the goal of informing the local fire authorities.
2.	Idea / Solution description	We connect our application in to satellite then satellite camera capturing forest if camera detects any firing symptoms it allots the server to find the location.
3.	Novelty / Uniqueness	We detect the firing symptoms accurately.
4.	Social Impact / Customer Satisfaction	It will give solution for forest firing damages.
5.	Scalability of the Solution	We response the satellite alerts immediately to take action on forest fire.