

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

Date	08 October 2022
Team ID	PNT2022TMID50802
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
•	Problem Statement (Problem to be solved)	Forest fires are one of the most worrisome natural disasters,destroying thousands of acres of forest and nearby urban zones,affecting plants,animals and human life.
•	Idea / Solution description	Use Wireless Sensor Network to monitor the value change in temperature,humidity,smoke or gas detector.The collected data will be send to the sink by wireless mode.
•	Novelty / Uniqueness	Wireless sensor networks have a more positive outlook, and they detect forest fire in earliest before it spread to larger area.
•	Social Impact / Customer Satisfaction	Wildfires can disrupt transportation, communications, power and water supply. They also lead to a deterioration of the air quality, loss of property, crops, resources, animals and people.
•	Business Model (Revenue Model)	The proposed method will be implemented using the Artificial Intelligence.It creates more intelligent detection algorithms for WSN.
•	Scalability of the Solution	Wireless sensor networks (WSNs) that help to monitor physical or environmental conditions and pass these data through the network to a designated location or sink where the data can be observed and analyzed.