

Project Design Phase-I
Proposed Solution Template

Date	27 September 2022
Team ID	PNT2022TMID01211
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 the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To solve the problem arising in forest fires can be solved by banning the clear-cutting of forests, by following government regulations, by reducing consumption of deforestation prone products and by educating others etc.,
2.	Idea / Solution description	Artificial neural networks are used to predict forest fires. It can predict new inputs through knowledge collected by self-learning methods.
3.	Novelty / Uniqueness	Artificial neural networks are created to digitally mimic the human brain and these networks can be used to design the next generation of computers.
4.	Social Impact / Customer Satisfaction	The forest fires create significant impacts on the mental and emotional health of survivors, including increased anxiety, depression etc.,
5.	Business Model (Revenue Model)	The annual losses from forest fires in India for the entire country have been moderately estimated at Rs.440 crores (US\$107 million). To overcome this, we can use Artificial neural networks.
6.	Scalability of the Solution	With the advancements in wireless technology and digital electronics some tiny devices have started to be used in numerous areas in daily life which are capable of sensing, computing and communicating. Development of MEMS wireless networks systems are expected to be in wide use.