

## Proposed Solution

Date	15 October 2022
Team ID	PNT2022TMID29525
Project Name	Emerging Methods for Early Detection of Forest Fires

### 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 forest fire risk prediction algorithm, based on support vector machines, is presented. The algorithm depends on previous weather conditions in order to predict the fire hazard level of a day.
2	Idea / Solution description	Use Artificial Intelligence methods for recognition and detection of smoke or fire, based on the still images or the video input from the drone cameras.

3	Novelty / Uniqueness	Real time computer program detect forest fire in earliest before it spread to larger area.
4	Impact on society	Affects the atmosphere oxygen content. And also some medicinal plants are also destroyed.
5	Business Model (Revenue Model)	The proposed method was implemented using the Python programming language.
6	Scalability of the Solution	Computer vision models enable land cover classification and smoke detection from satellite and ground cameras