

Project Design Phase-I
Proposed Solution Template

Team ID	PNT2022TMID36865
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
•	Problem Statement (Problem to be solved)	The project presenting forest fires risk prediction algorithm using support vector machines.The algorithm totally depends upon the past weather conditions to predict the fire hazard chances of a day.
•	Idea / Solution description	Here we are using the method of computer vision for the recognition and deduction of the smoke caused by fire hazards with the help of images or the video input using drone cameras.
•	Novelty / Uniqueness	It is a real time computer based project which deducts the forest fire hazards earlier before its spreading to huge surface area.
•	Social Impact / Customer Satisfaction	The blockage of roads ,electricity cuts,and losing homes for many wild animals.destruction of roads,towers,homes,and industries.
•	Business Model (Revenue Model)	Implementing using python programming language on core I3 or greater [CPU and 4GB RAM].
•	Scalability of the Solution	the project can enable land cover classification and fire hazard detection using satellites with the help of ground cameras.