Project Design Phase-I
Proposed Solution Template

Team ID	PNT2022TMID35162
Project Name	Project - Early forest fire detection System
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)	A forest fire risk prediction algorithm, based the vector machines, is presented. The algorithm depends on the before weather conditions in order to predict the fire level of a day.
•	Idea / Solution description	Use computer vision methods for recognition and detection of fire, based on the images or the video input from the drone cameras.
•	Novelty / Uniqueness	Real time computer program detect forest fire in advance before it spreads to the maximum area.
•	Impact on society	Blocked roads and railway lines, electricity, mobile and land telephone lines cut, destruction of homes and industries.
•	Business Model (Revenue Model)	The proposed method was implemented using the Python programming language.
•	Scalability of the Solution	Computer vision models enable land cover classification and smoke detection from satellite and ground cameras