Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID17719
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
1.	Problem Statement (Problem to be solved)	The idea of this project is to build an early detection and prevention system for forest fire to preserve the nature.
2.	Idea / Solution description	Drones are used to monitor the environment in forest. If any suspicious activities like forest fire happens in forest it will be detected.
3.	Novelty / Uniqueness	Feature detection in frames of the videos will be analysed. Accuracy will be high while detecting the forest fire.
4.	Social Impact / Customer Satisfaction	Prevention of forest fire can reduces the CO_2 in atmosphere. We can also save countless lives of wildlife species, tribal people etc.
5.	Business Model (Revenue Model)	It is considered as more profitable project for government spends millions of dollars for detection of forest fires and can be used by corporation to monitor huge reserve forests.
6.	Scalability of the Solution	We can increase the installation of cameras to monitor the respectable amount of area and can also use drones for thick forest areas. The images and videos will be collected in the local server.