Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID13480
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 on support vector machines, is presented. The algorithm depends on previous weather conditions in order to predict the fire hazard level of a day.
•	Idea / Solution description	The UAVs also utilize the benefits from AI and are equipped with on-board processing capabilities. This allows them to use computer vision methods for recognition and detection of smoke or fire.
•	Novelty / Uniqueness	Computer programs that use artificial intelligence can predict the development of fire. For example, it can identify locations with conditions suitable for the next wildlife.
•	Social Impact / Customer Satisfaction	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 on a Core i3 CPU and 8GB RAM.
•	Scalability of the Solution	Computer vision models enable land cover classification and smoke detection from satellite and ground cameras