

Project Design Phase-I
Proposed Solution Template

Date	06 October 2022
Team ID	PNT2002TMID13753
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
1.	Problem Statement (Problem to be solved)	Emerging Methods for Early Detection of Forest Fires
2.	Idea / Solution description	Images collected from satellites and Convolutional neural network. From that images OpenCv methods are used to monitor each frame in the video as an image and predict the forest fire
3.	Novelty / Uniqueness	It is not a ground based method because cameras are not in ground here satellites are used in this method
4.	Social Impact / Customer Satisfaction	This solution will be accepted all over the world because here satellites are used to capture images because of that no ground based cameras are not needed
5.	Business Model (Revenue Model)	It is less cost when compared to the ground based methods like placing sensors all over the forest therefore obtaining satellite images costs less when compared to ground based method
6.	Scalability of the Solution	Scalability of this solution is that it can cover all the forests in the world because satellites can capture forest images all over the world