

Project Design Phase-I
Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID32928
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)	Detecting forest fires in an early stage to avoid greater damage to wildlife and environment.
2.	Idea / Solution description	Using AI algorithms assess in real time digital image processing plays vital role for monitoring and detecting fire automatically in flame images. This systems then alert local authorities and dispatchers of the new ignition.
3.	Novelty / Uniqueness	Provides more accurate information with less delay. It can be deployed a full coverage which almost impossible for other existing systems. Algorithm provides a useful addition to fire image processing and fire analysis in fire safety engineering
4.	Social Impact / Customer Satisfaction	Monitoring of the potential risk areas and an early detection of fire can significantly shorten the reaction time and also reduce the potential damage as well as the cost of firefighting and save many lives
5.	Business Model (Revenue Model)	The primary source of revenue for CNN is subscription fees. The revenue from subscription fees accounts for 50 per cent of its total revenue, whereas the other 50 per cent is held by advertising and ancillary revenue streams. Revenue model comprising subscriber and advertiser fees form the backbone of CNN
6.	Scalability of the Solution	It is geographically scalable system keeps its usability and usefulness intact, regardless of the physical distance of resources and users.