Project Design Phase-I
Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID13815
Project Name	Emerging Methods for Early Detection of Forest Fires
Maximum Marks	2 Marks

Proposed Solution :

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The aim is to Find the Emerging methods for Early Detection of Forest Fires (Using Artificial Intelligence).
2.	Idea / Solution description	IDEA: The idea is to create a system that can detect the forest fire and to give an alert message using twilio numbers and give an alert alarm sound using playsound. **SOLUTION:** The model using the pretrained image is constructed using Deep Learning technologies by CNN 2dconv networks to make detection more accurate and then this model is connected with the Open CV2 to make detection in video and images that was being captured then when the presence of fire an immediate alert message was sent to registered twilio account and following that an alert sound is played on the device.
3.	Novelty / Uniqueness	The system developed was very accurate as it can accurately detect and it is unique as idea was not yet developed.
4.	Social Impact / Customer Satisfaction	As forest fire was an important social impact that can cause many effects in living surroundings almost every living matters are affected by forest fire ,So our developed model can used for prior information about the forest fire to avoid it or to take safety prevention and to make alert of the peoples in the affected area.
5.	Business Model (Revenue Model)	This model is an economical model it can used in the place where the problems arises due to fire so that our model can detect perfectly to make prior warnings.

		This is cost efficient model where the every details relay on the data and information gathered already is used to train the model.
6.	Scalability of the Solution	This solution perfectly fits for every situation of fire accident and it can give alert via emails ,messages, and also alert tone both online as well as offline mode ,it works on any type of software medium.