**PNT2022TMID14000**

**EMERGING METHODS FOR EARLY DETECTION OF**

**FOREST FIRE**

**PROJECT OBJECTIVES**

* For the success of each and every project, first the project objectives need to be framed so as to carry out the project with a smooth flow and bring out the desired output.

* The goal of the project is to create a kind of alarm system to detect the forest fire before or after the fire in order to enforce certain preventive measures.

* This can be achieved by using the Deep Learning and CNN model with the cumulative effect of the Artificial Intelligence technology.

* The objectives of this project can be summarized as follows:

* We will be able to learn how to get and prepare the dataset.

* We will be able to know how to do image processing.

* We will understand how CNN layers are work.

* Classify images using a Convolutional Neural Network.

* We will be able to know what are the activation functions can be used.

* We will be able to know how to read images using OpenCV.

* We will know convolutional Neural Networks for Computer vision AI Problems.

* Upon completing all the above mentioned tasks or milestones we can obtain a model which can predict the forest fires at an early stage.