

EMERGING METHODS FOR EARLY DETECTION OF FOREST FIRES

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Team ID	PNT2022TMID30674
Project Name	Emerging Methods for Early Detection of Forest Fires

OBJECTIVES:

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

By end of this project we will:

- 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 Convolution 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 Convolution 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 fire at an early stage.