

# EARLY DETECTION OF FOREST FIRE USING AI

## PROJECT OBJECTIVE

Team ID	PNT2022TMID44045
Project Name	Project-Early detection of forest fire using Artificial Intelligence

### PROJECT OBJECTIVE:

#### By the end of this project you will Do:

- ❖ You will be able to learn how to get and prepare the dataset.
- ❖ You will be able to know how to do image processing.
- ❖ You will be able to train the models.
- ❖ You will understand how CNN layers are work.
- ❖ Classify images using a Convolutional Neural Network.
- ❖ You will be able to detect the fire using the images gathered.
- ❖ You will be able to know what are the activation functions can be used.
- ❖ You will be able to know how to read images using OpenCV.
- ❖ You will know convolutional Neural Networks for Computer vision AI Problems.

Upon learning and completing all the above objectives, we can obtain a model which predicts the forest fire.