Emerging Methods for Early Detection of Forest Fires

Project Objectives

Team I'd	PNT2022TMID21552
Date	17 November 2022
Project Name	Emerging Methods For Early Detection Of Forest Fires

PROJECT OBJECTIVES:

1. Objectives and project planning are the key factors for a successful completion of any project. The objectives of the project are framed to carry out the project in a sequenced and structured manner. The framed objectives move the project to get the desired output.
2. The main part of the project is to create alert message at the early stage of detecting forest fires. Because, that information about the starting stage of fire burning helps to prevent the forest fire before its starts spreading.
3. This kind of idea can be done by using the CNN algorithm & Deep Learning with Artificial Intelligence Technology.

   The objectives of the project are given below:
   - 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.

4. If we complete the task mentioned above, we can find the prediction model of the forest fire at an early stage.