EMERGING METHODS FOR EARLY DETECTION OF FOREST FIRE

PROJECT OBJECTIVES

1. 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.

2. 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.

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

4. 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.

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