

PROJECT OBJECTIVES

TEAM ID : PNT2022TMID51836

PROJECT NAME : Emerging Methods for Early Detection of Forest Fires

- 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 Open CV.

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

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