Emerging Methods for Early Detection of Forest Fires

Project Objectives

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Project Name	Emerging Methods For Early Detection Of Forest Fires.

PROJECT OBJECTIVES :

- The main objective of this project is to detect forest fires at an earlier stage. So it can safeguard the resources available in the forest.
- Since forests have a wide range of resources available, conserving it is a human responsibility but it is being destroyed by the forest fires due to various reasons.
- So the main objective of our project deals with detecting forest fires.
- The detection of forest has some of the important factors to be considered.
- The first is a collection of dataset which has the parameter change which varies on the emergence of the forest fire.
- The next is choosing an algorithm which has better accuracy in comparison with all others or to create a model which has better accuracy. CNN architecture and deep learning concepts is for this implementation which has other Artificial Intelligence Technology also embedded for the usage.

- Technological Stack:
    1. At first, the collection of proper dataset is the main objective.
    2. Creating Image Processing is the following process.
    3. Analyze and implement the working of a Project using CNN(Convolution Neural Network) layer architecture.
    4. To use the OpenCV method to read the images.
    5. To know about Computer Vision Problems by analyzing with the CNN algorithm.
    6. Fixing the devices on the correct and safe location is also a factor.
- If all the above mentioned tasks are completed then the prediction can be made.