# Problem Statement

| Team ID | PNT2022TMID25867 |
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| **Project Name** | Emerging Methods For Early Detection Of Forest Fires |
| **Maximum Marks** | 2 Marks |

## Problem Statement:

A severe, devastating fire that burnt through a forest or woodland region and endangers people, animals, property, and the environment. Sparks from rock falls and lightning are the primary sources. As a result of volcanic eruptions or any other deliberate human ignition, the following problems arise: Uncontrolled fires in forests invariably result in the death of people and animals, and forest fires increase the possibility of soil erosion.

## Proposed Solution:

In a sparsely inhabited forest region, it is challenging to anticipate and detect forest fires, and it is even more challenging if the prediction is made using ground based techniques like camera or video-based approaches. Due to their dependability and effectiveness, satellites can be a valuable source of data both before and during the Fire. The many methods for predicting and detecting forest fires in real-time, with the aim of notifying the local fire authority.