PROBLEM STATEMENT

Emerging Methods for Early Detection of Forest Fires :

Forest fires are considered as one of the most widespread hazards in a forested landscape. They have a serious threat to forest and its flora and fauna. There are several tangible as well as intangible losses due to forest fires, and they cause an environmental threat to the affected area.

Forest fires prediction combines weather factors, terrain, dryness of flammable items, types of flammable items, and ignition sources to analyze and predict the combustion risks of flammable items in the forest.

The goal of early detection of forest fires is to predict the fire before it actually occurs. Using Image processing in real time and convolutional neural network, forest fires can be prevented before it happens.