Emerging Methods for Early Detection of Forest Fires

Problem Statement

● Forest fires are a major environmental issue, creating economic and ecological damage while endangering human lives.
● There are typically about 1,00,000 wildfires in the United States every year. Over 9 million acres of land have been destroyed due to treacherous wildfires.
● It is difficult to predict and detect Forest Fire in a sparsely populated forest area.

Business Impact

● Supply chain, power & supply, Fires stations and government by providing services.

Social Impact

● Tribal people who live in forest and forest department.
● Saving the most essential Forest cover.

Existing Solutions

● https://www.bosch.com/stories/early-forest-fire-detection-sensors
● http://catalogue.servirglobal.net/Product?product_id=11 Recommended

Technology Stack

- Artificial intelligence,
- Computer vision
- IBM Watson

Reference

● https://ieeexplore.ieee.org/document/8534245