

Ideation Phase

Define the Problem Statements

Date	21October2022
Team ID	PNT2022TMID12327
Project Title	Emerging Methods for Early Detection of Forest Fires
Maximum Mark	2 marks



Problem statement(ps):	Forest fires pose a serious threat to the environment because they harm the economy, the ecosystem, and put people in danger. In the United States, there are about 100,000 wildfires per year. Dangerous flames have burned more than 9 million acres of land. In a sparsely inhabited forest area, 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 informing the local fire authority.
IAM	A Forest fire department
I'm trying to	Keep an eye on fires frequently to make sure they don't burn out. analyse thermal camera data from different sources.
But	Several thermal cameras are necessary for monitoring
Because	It is quite difficult to cover wide limits and to keep an eye on them constantly.
Which makes me feel	Concerned and worried by how quickly the woodlands are burning.