

PROBLEM STATEMENT :

Forest fires pose a serious threat to the environment because they harm the economy, and the ecosystem, and put people in danger. Forest fires are occurring throughout the year with an increasing intensity in the summer and autumn periods. These events are mainly caused by the actions of humans, but different nature and environmental phenomena, like lightning strikes or spontaneous combustion of dried leaves or sawdust, can also be credited for their occurrence. 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 the camera or video-based approaches. Forest fires are a serious environmental problem because they harm the environment and the economy.