ESWARI E:

1.An event is detected through the sensor devices placed at distributed locations. This event detection information is passed to the base station and decision is taken with this we can detect the forest fire.

2. The utilization of camera monitoring is currently increasing to ensure citizens' safety. Therefore, it is possible for Closed Circuit Television (CCTV) cameras to detect forest fires using digital image processing and computer vision technology, referred to as image-based fire detection.

3. Machine learning is a part of artificial intelligence where we are training the machine by giving training dataset or by making the system analyse the situation and produce the result on the basis of this. the machine is trained using SVM, KNN, Decision Tree, Random Forest, Decision Tree and Extra Tree Regression algorithms to predict the forest fire.