Project Design Phase I

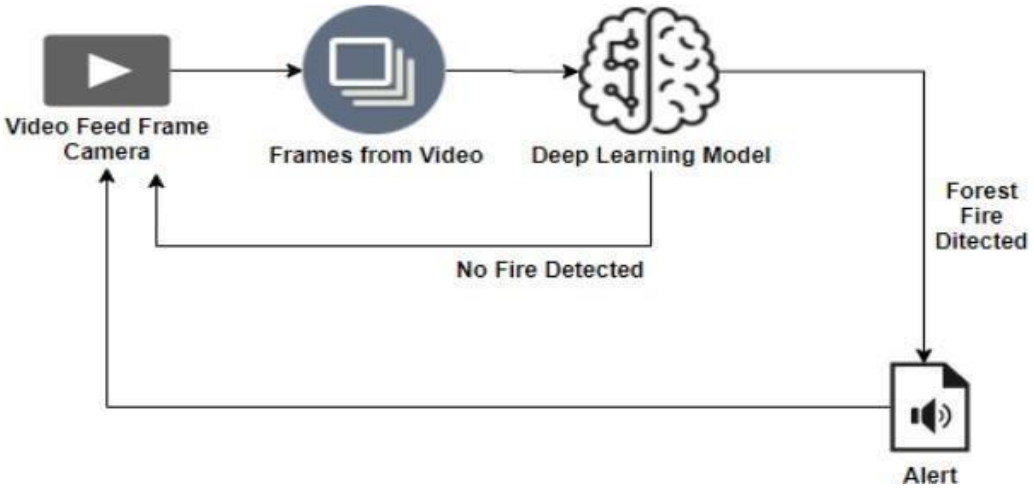
Solution Architecture

Date	15 October 2022
Team ID	PNT2022TMID53582
Project Name	Emerging methods for early detection of forest fires
Maximum Marks	4 Marks

Solution Architecture:

Forest Fires 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. To fight forest fires, different solutions were employed throughout the years. They ware primary aimed at the early detection of the fires. The simplest of these solutions is the establishment of a network of observation posts - both cheap and easy to accomplish, but also time-consuming for the involved people. The constant evolution of the information and communication technologies has led to the introduction of a new generation of solutions for early detection and even prevention of forest fires. ICT-based networks of cameras and sensors and even satellite-based solutions were developed and used in the last decades.

TECHNICAL ARCHITECTURE:



SOLUTION ARCHITECTURE: