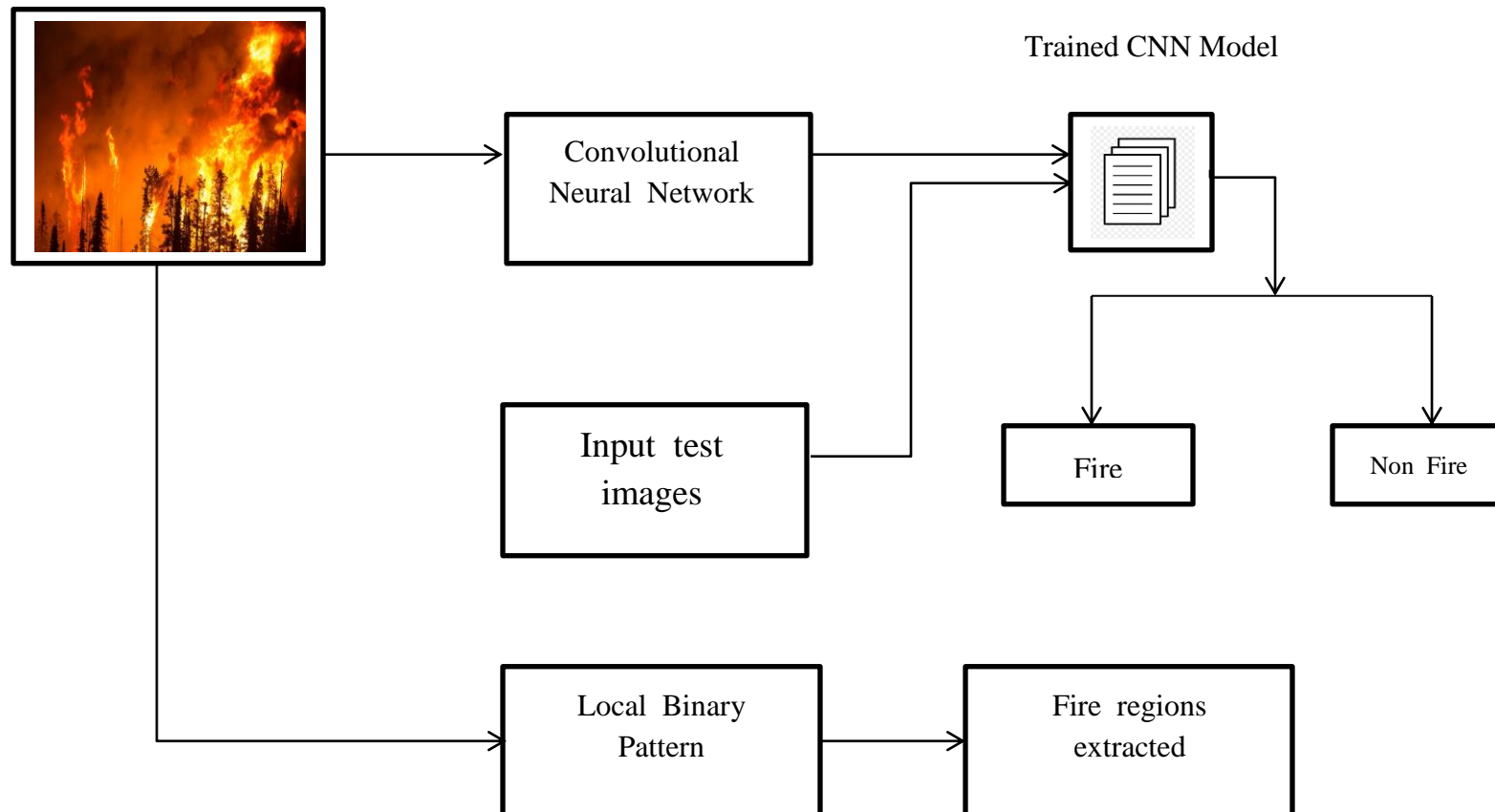


Technology Architecture

Date	31 October 2022
Team ID	PNT2022TMID34010
Project Name	Emerging Methods for Early Detection of Forest Fire
Maximum Marks	4 Marks

Technical Architecture:



Emerging Methods For Early Detection Of Forest Fires:

Forest fires are a major environmental issue, creating economic and ecological damage while endangering human lives. There are typically about 100,000 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 and it is more difficult if the prediction is done using ground-based methods like Camera or Video-Based approach. Satellites can be an important source of data prior to and also during the Fire due to its reliability and efficiency. The various real-time forest fire detection and prediction approaches, with the goal of informing the local fire authorities.