# Exploring Suspicious Human Activity Detection using LRCN Model

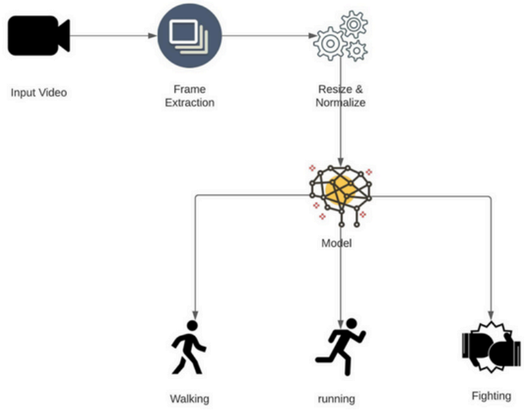
## Introduction

- This project focuses on detecting suspicious human activities using a Long-term Recurrent Convolutional Network (LRCN) model, designed for action recognition tasks.
- The model classifies activities in video sequences to identify actions like "walking," "fighting," and "running."
- This detection can aid surveillance systems in identifying potentially dangerous situations.

## Methodology

- The methodology outlines the approach taken for building and implementing an action recognition model that detects suspicious activities in video sequences.
- The project leverages the Long-term Recurrent Convolutional Network (LRCN) architecture, which combines convolutional neural networks (CNNs) for spatial feature extraction and long short-term memory (LSTM) networks for capturing temporal dependencies.

## Flow Chart




**Demo Link**
https://drive.google.com/drive/u/1/folders/1vKmFUCHuDrIlcmHQkK42Akfh2TH4FEF-

## REFERENCES

[1] P.Bhagya Divya, S.Shalini, R.Deepa, Baddeli Sravya Reddy,“Inspection of suspicious human activity in the crowdsourced areas captured in surveillance cameras”,International Research Journal of Engineering and Technology (IRJET), December 2017.

[2] Jitendra Musale,Akshata Gavhane, Liyakat Shaikh, Pournima Hagwane, Snehalata Tadge, “Suspicious Movement Detection and Tracking of Human Behavior and Object with Fire Detection using A Closed Circuit TV (CCTV) cameras ”, International Journal for Research in Applied Science & Engineering Technology (IJRASET) Volume 5 Issue XII December 2017.