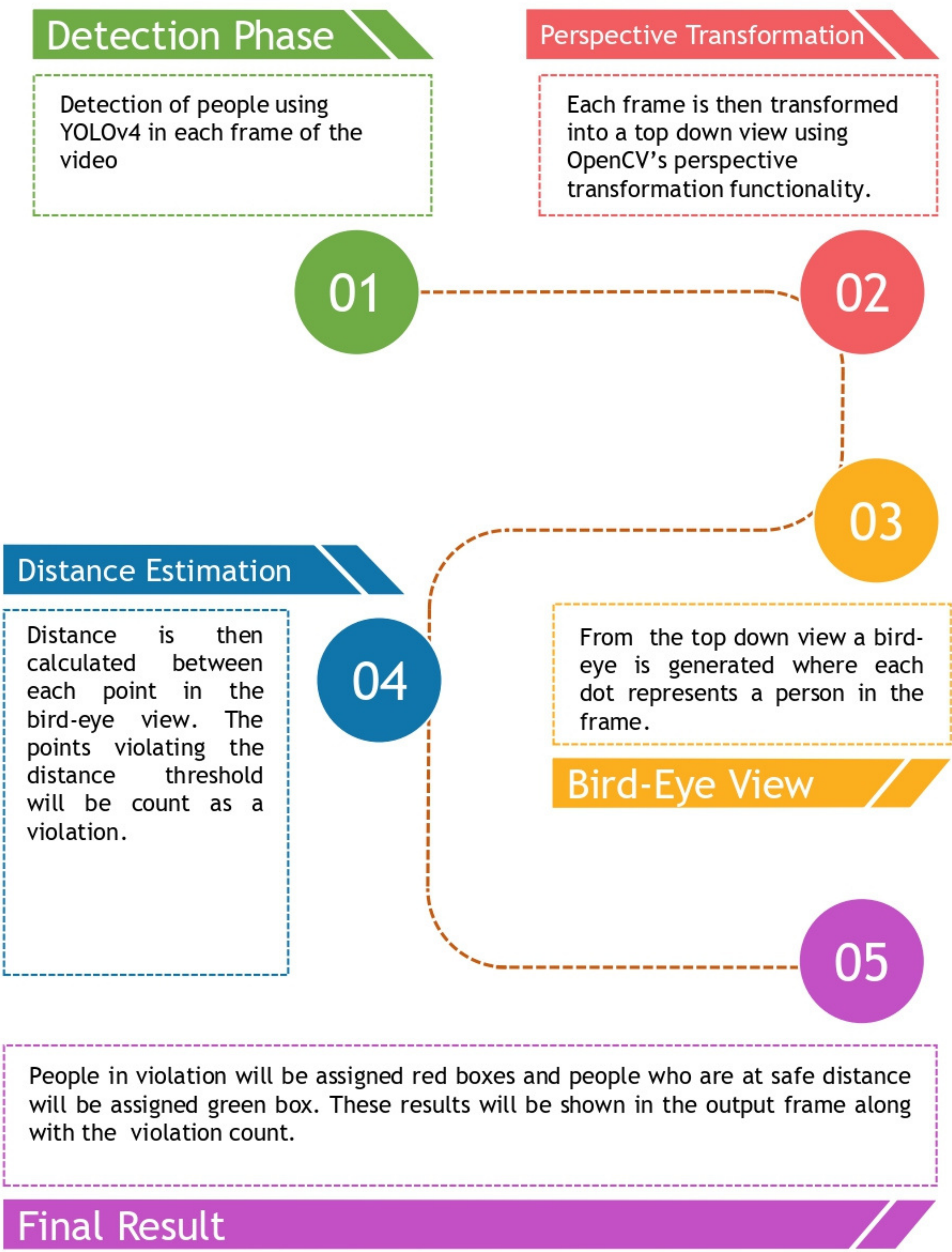


Real-Time Social Distancing Violation Detection System

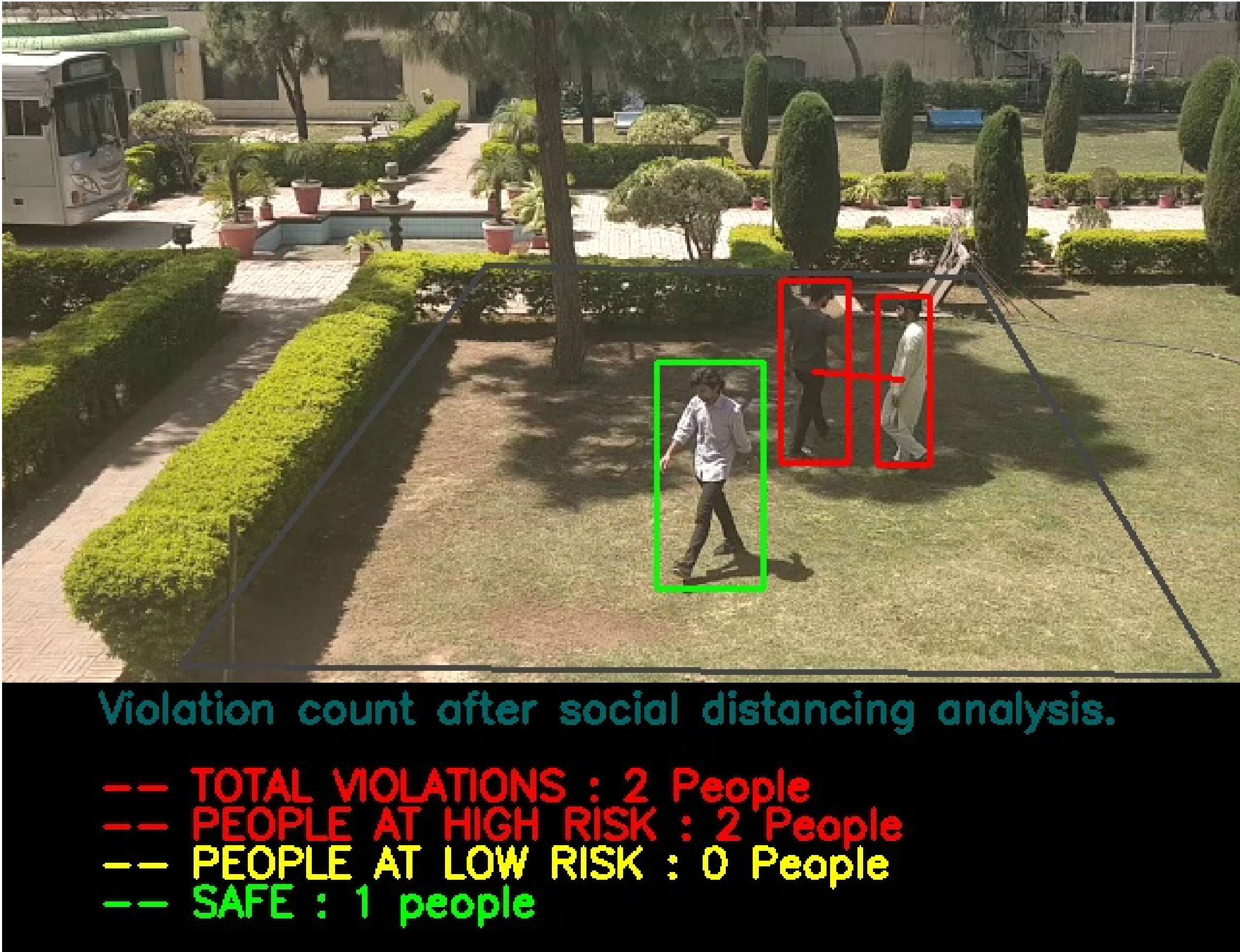
Introduction:

This system aims to promote social distancing by providing an analyzer tool to monitor public areas, workplaces, education institutes to analyze and detect any social distancing violations. It is a real time monitoring system that uses CCTV cameras. Firstly the video feed is analyzed to detect the people in the frame then it calculates the distance between every person detected in the frame using bird-eye view. Those who are at a safe a distance from others are assigned with green boxes and the people who are found violating the minimum distance mark are assigned red boxes.

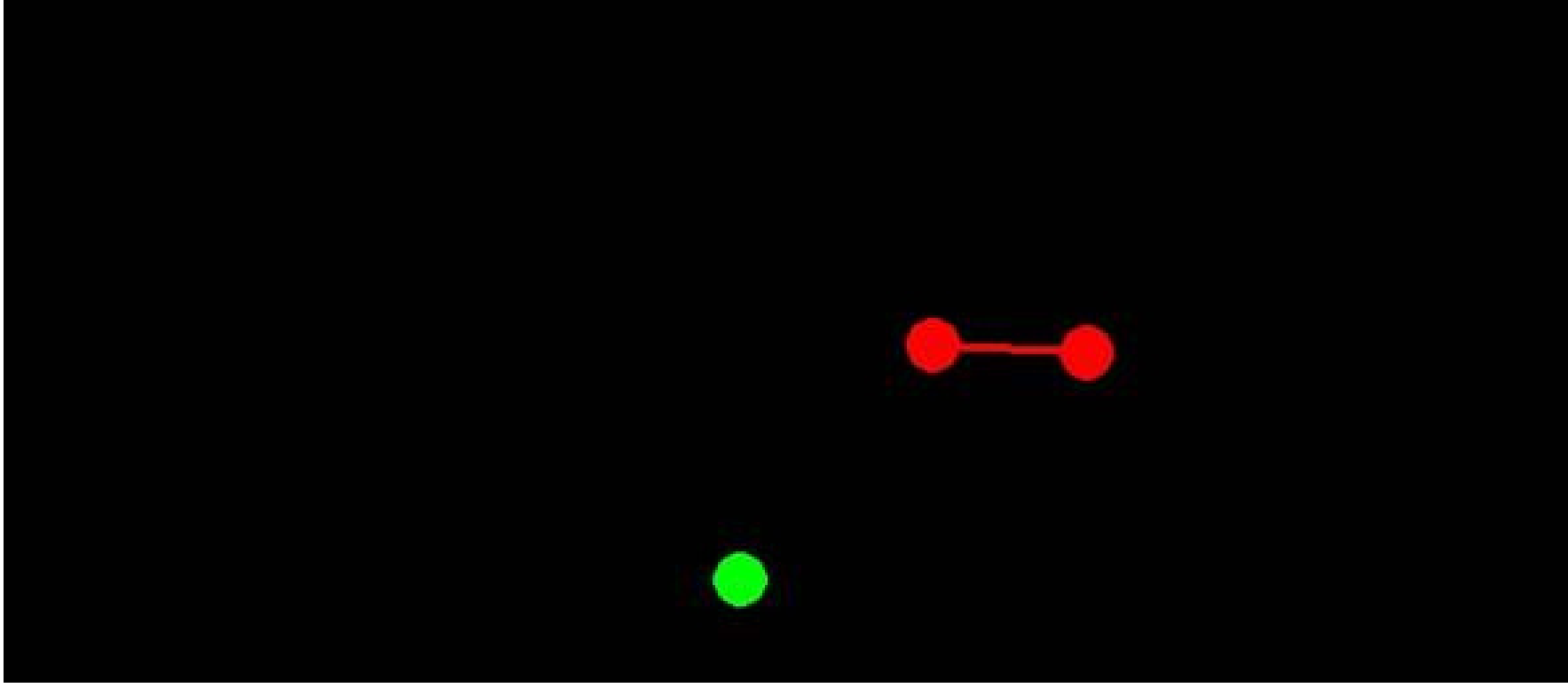
Methodology:



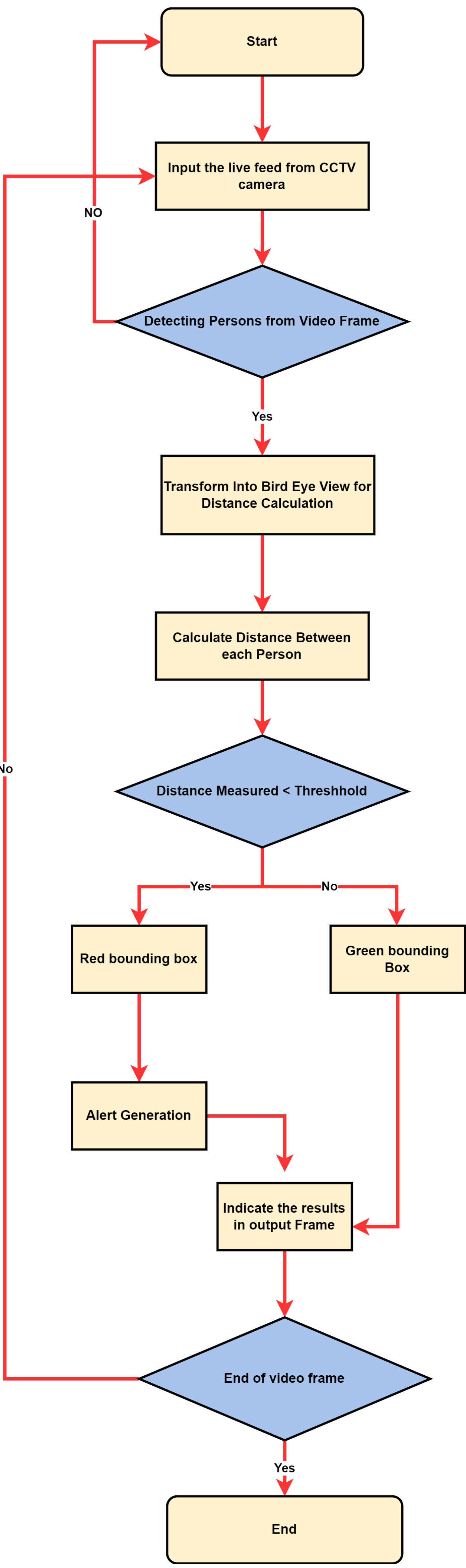
Output Frame:



Bird-eye view:



Flowchart:



Technologies:



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