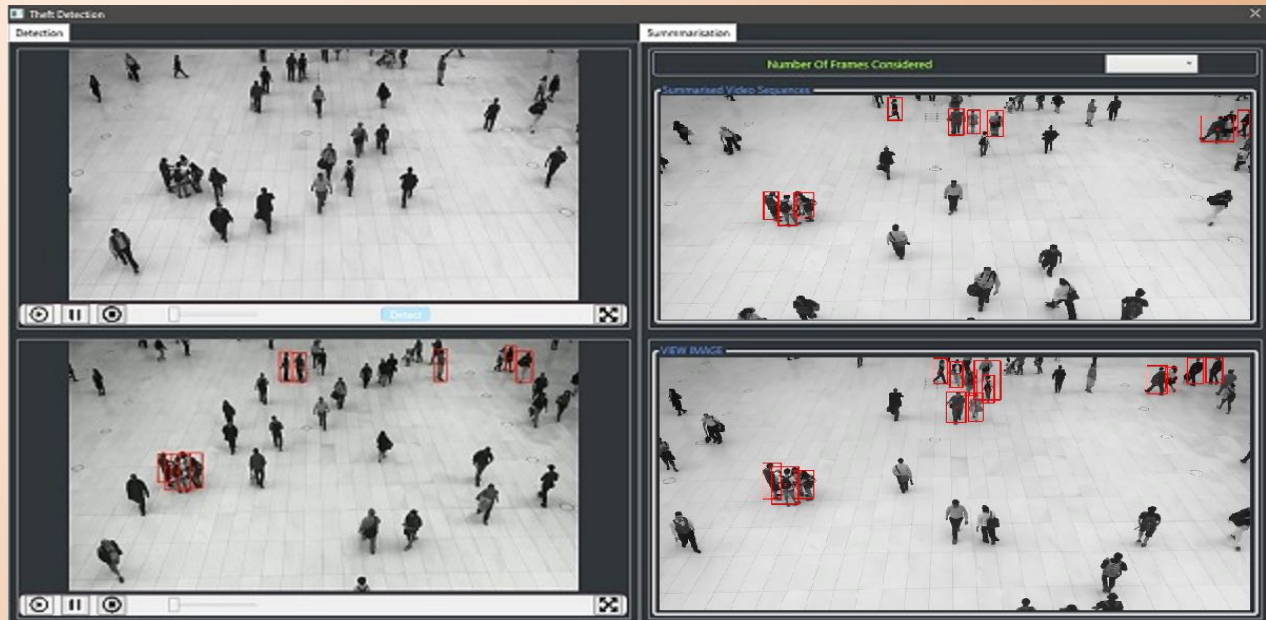


# VIDEO SUMMARIZATION

## *Sub-Module: Theft Detection and Summarization*

Theft is one of the most common and oldest criminal behaviors and it is increasing day by day. Theft/snatching in roads and in public places like shopping mall etc. has shown an increase trend in occurrence. These are analyzed manually, after the occurrence of a theft/snatch event to get some clues for a case being analyzed. This inhuman effort reduces substantially with real time video summarization, where the supporting thumbnail of the original video replaces the raw data. The resultant video will be short and will contain only those salient frames in which a predefined motion of human being will exist. This summarized short video will be centrally saved to be easily used for manual inspection and retrieved if needed by utilizing the time stamping, which can be performed in offline mode. Metadata of the videos will be used along with long-term trajectories as features, for generating summaries of video shots.



### Features:

- ❖ Human Detection from surveillance videos
- ❖ Social Distancing violation detection
- ❖ Theft/Snatch Detection
- ❖ Key frames generation for a theft event for displaying as multi-frame summary
- ❖ Automated site-wide tracking for each person via network of cameras
- ❖ Modeling person related theft and tracking for summarization from the action videos

### Application Areas:

- Video Surveillance of any individual performing theft/snatch activities
- Social Distancing Measure

### System Requirements:

- ✓ RAM: Min. requirement is 8GB
- ✓ Min. requirement is 20 GB HDD
- ✓ Intel Core i5, 8<sup>th</sup> Generation equivalent or higher
- ✓ DVD ROM (Installation only).
- ✓ Aspect Ratio of Monitor - 16:9
- ✓ OS: Microsoft Windows 10

End Users: (a) Law Enforcement Agencies

(b) Shopping Malls/Retail Chains/Departmental Stores and any public places.