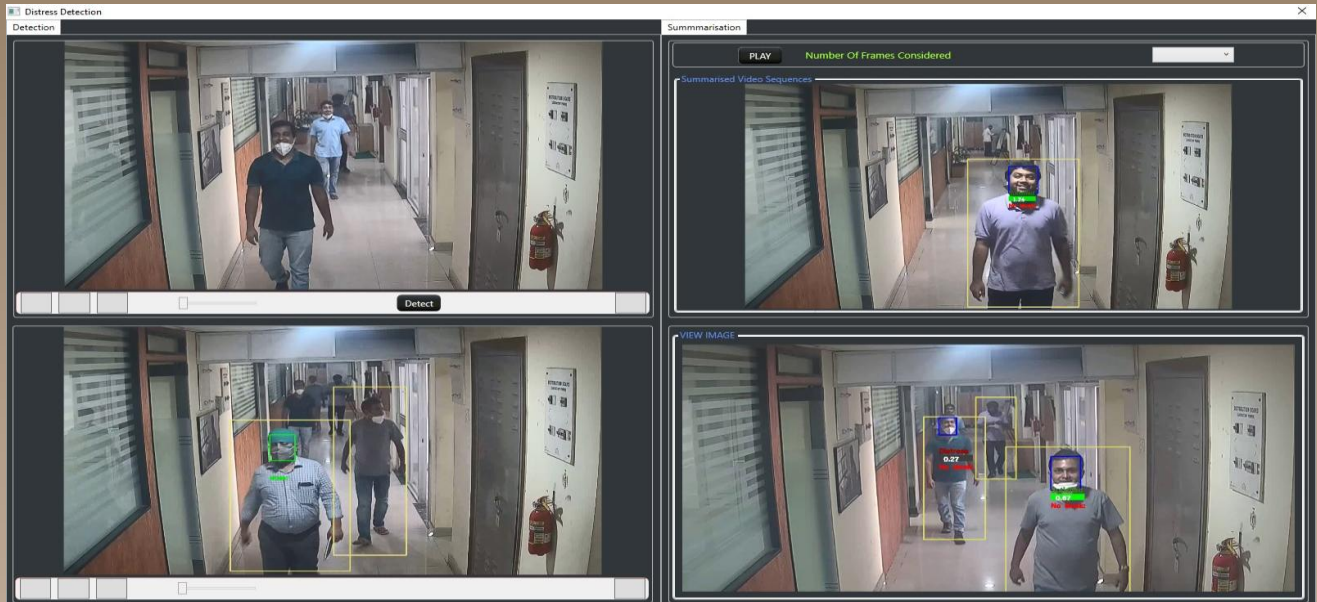


VIDEO SUMMARIZATION

Sub-Module: Person Satisfaction/Distress Detection

Access to technology, control of it and the ability to create and shape it, is a fundamental issue to enhancing the safety and security on roads especially of women in distress. Again evaluating customer satisfaction from the perspective of companies in comparison with the perspective of the customers themselves helps in the company's performance. For these missions centralized preservation and processing of CCTV footage leads to huge amounts of data being gathered. They are analyzed manually, after the occurrence of an event to get some clues for a case being analyzed or analysis to improve performance. 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 the human being along with facial expression if it exists. 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.



Features:

- ❖ Person Detection from surveillance videos
- ❖ Face Detection with Mask and No-mask
- ❖ Emotion Detection(Satisfied/Distress) from faces having mask or no mask
- ❖ Key frames will be generated and displayed as multi-frame summary
- ❖ Facial expression recognition system for measuring customer satisfaction measurement
- ❖ Video summarization module based on pleasant/unpleasant experiences by customer

Application Areas:

- Customer pleasant/unpleasant detection at Retail Store, shopping mall, supermarket. etc.
- Persons satisfaction/distress detection on road and other public places.

System Requirements:

- ☐ RAM: Min. requirement is 8GB
- ☐ Min. requirement is 20 GB HDD
- ☐ Intel Core i5, 8th 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) Retail Stores, Shopping Malls, Supermarkets. etc
(c) Public places