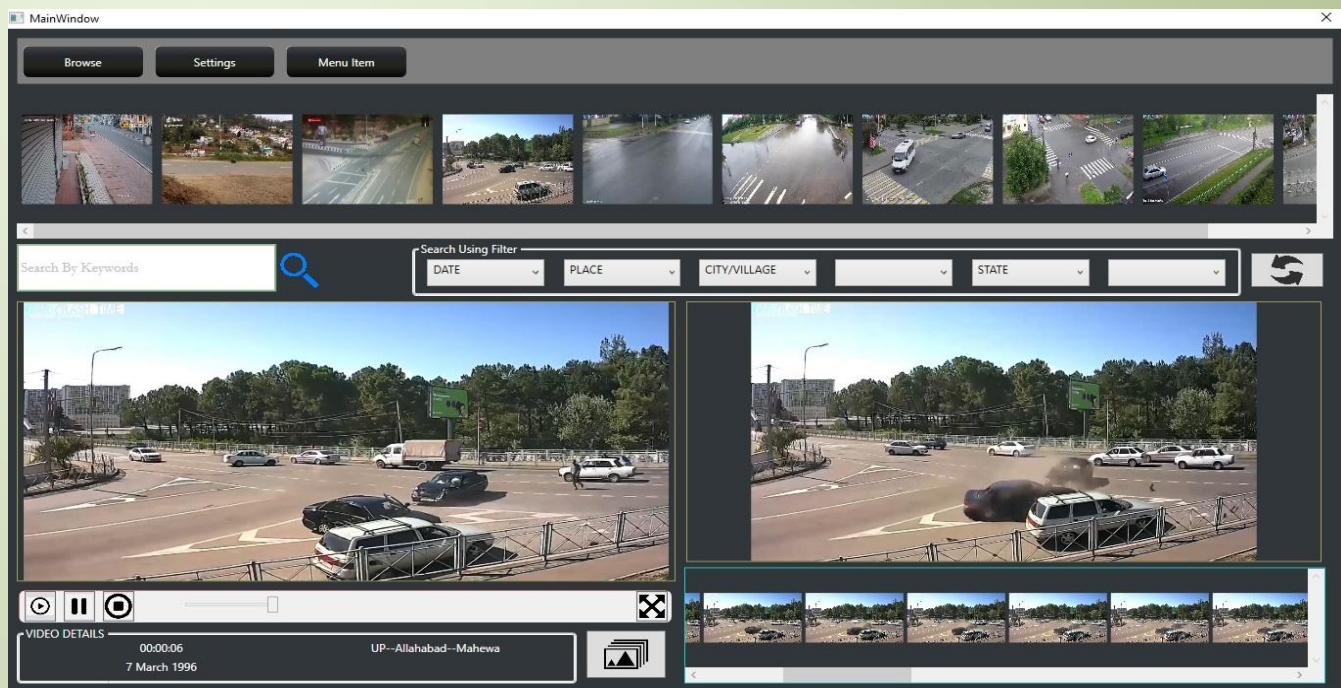


VIDEO SUMMARIZATION

Sub-Module: Hierarchical Search of the Summarized Videos

For security/surveillance missions, centralized preservation and processing of CCTV footage is undergone with huge amounts of data being gathered. These video footages occupies huge space in the DVR/NVR and are replaced every fortnight. Video Summarization leads to creation of short videos which will be centrally saved to be easily used for manual inspection and referred back to the original video if needed by utilizing the time stamping, which can be performed in offline mode. Also video summarization is a significant scheme to organize massive video data, and implement a meaningful rapid navigation of video. Here hierarchical video summarization strategy explores video content structure to provide the users with a scalable, multilevel video summary.



Features:

- ❖ Search module for a part of video of interest from events (Vehicle Accident, Theft and Person satisfaction/Distress) Detection based on the meta information of the summarized video
- ❖ Video browsing technique much closer to what we experience with image browsing
- ❖ A hierarchical searching technique based on combination of metadata as well as salient visual features to enhance the accuracy
- ❖ Viewing frame by frame of the selected video for analysis

Application Areas:

- Searching summarized videos quicker for events like (Vehicle Accident, Theft and Person satisfaction/Distress) Detection
- Browsing technique of the above events much closer to what we experience with image browsing.

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) Traffic Police

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



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