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## Missing Person and Criminal Identification using Image Processing

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Abstract: In the world, a countless number of people are missing every day which includes kids, teens, mentally challenged, old-aged people with Alzheimer's, etc. Most of them remain untraced. To this missing case entry is updated in police station. By using web camera technology compare each person with the available database and find these people. This system designed to find the missing people. If the missing person found in the Web Video streaming, then send the location of missing person to police station. After missing person found in the Web Video streaming, send location Email to Police station. So our system can perform the very important role in security and authentication issues. Here the admin performs the all-administrative role in this system. Admin can add the user police, remove the user police and view the user police. The system detects the results and generates output accordingly.

Keywords: Missing People, Finding, Face Recognition, Web Camera.

## REFERENCES

- [1] AniruddhaDey, "A Contour based Procedure for Face Detection and Tracking from Video" 3rd Int'I Conf. on Recent Advances in Information Technology I RAIT-20161.
- [2] Andreas Ess, Bastian Leibe, Konrad Schindler, Luc Van Gool, "A Mobile Vision System for Robust Multi-Person Tracking"978-1-4244-2243- 2/08/\$25.00 ©2008 IEEE.
- [3] Rolf H. Baxter, Michael J. V. Leach, Sankha S. Mukherjee, and Neil M. Robertson, "An Adaptive Motion Model for Person Tracking with Instantaneous Head-Pose Features" IEEE SIGNAL PROCESSING LETTERS, VOL. 22, NO. 5, MAY 2015.
- [4] He Guohui, Wang Wanying, "An algorithm for fatigue driving face detection and location" 2015 8th International Conference on Intelligent Computation Technology and Automation.
- [5] K. V. Arya, AbhinavAdarsh, "An Efficient Face Detection and Recognition Method for Surveillance" 2015 International Conference on Computational Intelligence and Communication Networks.
- [6] PrantiDutta, Dr.Nachamai M, Department of Computer Science, Christ University Bengaluru, India "Detection of Faces from Video Files with Different File Formats".
- [7] Lihe Zhang, Huchuan Lu, Dandan Du, and Luning Liu, "Sparse Hashing Tracking" IEEE TRANSACTIONS ON IMAGE PROCESSING, VOL. 25, NO. 2, FEBRUARY 2016.
- [8] Dennis Mitzel, Esther Horbert, Andreas Ess, and Bastian Leibe, "Multi-person Tracking with Sparse Detection and Continuous segmentation".
- [9] Francesco Comaschi, Sander Stuijk, TwanBasten, HenkCorporaal, "ROBUST ONLINE FACE TRACKING-BY-DETECTION".
- [10] Xiaoming Liu and Tsuhan Chen, "Video-Based Face Recognition Using Adaptive Hidden Markov Models" Electrical and Computer Engineering, Carnegie Mellon University, Pittsburgh, PA, 15213, U.S.A.

