Missing Person Identification

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Abstract: *In our society, A countless number of people are missing every day which includes kids, Teens, Girls, Mentally challenged, Old-aged people with Alzheimer's etc. Most of them remain untraced. Even though missing cases are getting filed against them in police stations. To this missing case entry is updated in police station. It's really getting impossible to find them in most of the cases. In existing way, If the person was found missing we have to file a complaint in the nearby police station of where he was lost. After filing the complaint, police will start the enquiry by taking required information. It is a time consuming process and need much efforts. so, we plan something named as "missing person identification using face recognition" which makes our task quiet simpler. This system designed to find the missing people. We are developed web application. When a person goes missing, the people related to that person or the police can upload the picture of the person which will get stored in the database. By using web camera technology compare each person with the available database and find these people. In our system, the image of the person given by the guardian at the time of missing is stored in the database. Along with that if a person or a police finds a suspicious person on the road, they can upload a picture of that person into database. The face recognition model in our system will try to find a match in the database with the help of face encodings. If the person who is missing is identified on CCTV this system can able to detect him using face recognition algorithms. Whenever the system confirms the matching, then it will set up custom alerts along with location and send them directly to Police Station. So our system can perform the very important role in security and authentication issues. Here the admin perform 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. This project proposes a system that would help the police and the public by accelerating the process of searching using face recognition. This project also support blind people, when a known persons come in front of the CCTV the system will give a voice message to them.*

Problem Statement: *Missing person identification system has been developed. The salient features of this product are less hardware components, less power consumption, and low cost. Is difficult to find the person in the crowd, we are implementing the Haar Cascade algorithm with CCTV cameras. With help off Image Processing and Face recognition. System will match the person's face and identify him. This helps to find the criminal, once we set the face info in our system. We can identify missing persons at public places like bus station, temples, railway stations, airports, etc. using image processing*

Keywords: Face Recognition, Uploaded Image, Notification, Haar Cascade Classifier, Image Processing

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