FACE DETECTION SYSTEM

ABSTRACT

Face detection is a method of identifying or verifying the identity of an individual using their face. Face detection systems can be used to identify people in photos, video, or in real-time. Law enforcement may also use mobile devices to identify people during police stops.

But face recognition data can be prone to error, which can implicate people for crimes they haven't committed. Facial recognition software is particularly bad at recognizing African Americans and other ethnic minorities, women, and young people, often misidentifying or failing to identify them, disparately impacting certain groups.

Additionally, face detection has been used to target people engaging in protected speech. In the near future, detection technology will likely become more ubiquitous. It may be used to track individuals' movements out in the world like automated license plate readers track vehicles by plate numbers. Real-time face detection is already being used in other countries.

PURPOSE AND MOTIVATION

In this project, we aim to build the optimal face detection system that uses collaborative filtering provides users with detecting face of the user. The advantage of this system is in its speed and simplicity. Most of the existing services needs information that need some time to provide users but a **facial detection** system uses biometrics to map **facial** features from a photograph or video. It compares the information with a database of known faces to find a match. **Facial detection system** can help verify personal identity.