



Automated Facial Recognition System

[National Crime Records Bureau](#) (NCRB) has released a request proposal for an **Automated Facial Recognition System** (AFRS) to be used by police officers across the country.

- Automated Facial Recognition System can play a very vital role in **crime prevention** and **criminal identification** and **verification** (identifying criminals, missing people, and unidentified dead bodies) by facilitating easy **recording, analysis, retrieval** and **sharing of information** between different organizations.

Automated Facial Recognition System (AFRS)

- AFRS will be a **mobile** and **web application** hosted in NCRB's (which manages data for police) data centre in Delhi but used by all police stations in the country.
- AFRS works by comparing the new image of an unidentified person often taken from CCTV footage with the existing database (AFRS maintains a database with photos and videos of people's faces) to find a match and identify the person.
 - The [artificial intelligence technology](#) used for pattern-finding and matching is called "neural networks".

Integrating AFRS with Existing Database

- NCRB has proposed integrating automated **facial recognition system** with **multiple existing databases** like:
 - **Crime and Criminal Tracking Network & Systems** (CCTNS): managed by NCRB
 - **Integrated Criminal Justice System** (ICJS)
 - State-specific database systems
 - **Khoya paya portal**

Criminal Tracking Network & Systems

- CCTNS is countrywide **integrated database on crime incidents** and suspects, connecting FIR registrations, investigations, and chargesheets of all police stations and higher offices.
- CCTNS also plans to offer **citizen services**, such as passport verification, crime reporting, online tracking of case progress, grievance reporting against police officers.

Integrated Criminal Justice System (ICJS): It is any computer network, system or architecture that allows justice practitioners and agencies to electronically access and share information between systems and/or across jurisdictional lines.

Khoya Paya Portal: Khoya Paya portal is a citizen based website to exchange information on missing and found children developed by the Ministry of Women and Child Development and the Department of Electronics and Information Technology (DeitY).

Concerns

- Cyber experts have cautioned against **government abuse** of facial recognition technology, as it can be used as a tool of control and risks citizens privacy and data.
- In the absence of **data protection law**, Indian citizens are more vulnerable to privacy abuses.

PDF Refernece URL: <https://www.drishtias.com/printpdf/automated-facial-recognition-system>

