

## Case Study

### Our Achievements

- ➔ Biometric Solution Provider (BSP) and Biometric Subject Matter Expert (BSME) for India's UID project  
1.2 Billion Residents
- ➔ The world's first large scale unique citizen ID database for Andhra Pradesh PDS project  
90 Million Residents
- ➔ The world's first multi-biometric citizen ID project for United Nations World Food Programme (UNWFP) in Orissa  
1 Million Residents
- ➔ The world's fastest de-duplication project for AP ration cards  
6.2 Quadrillion matches in a record time of 60 days
- ➔ The world's largest corporate ID system for one of India's leading petrochemical conglomerate  
430,000 Employees
- ➔ India's second largest enrolment agency for Aadhaar project  
12 Million Residents

## India's First Real-time Criminal Identification Live Scan system

### Background

The Manual System of Fingerprint Record Keeping for Identification of Criminals has been in use in the police department for more than a hundred years. The fingerprint Bureau of Karnataka Police wanted to automate the manual system to improve performance of the fingerprint bureau and to reduce turnaround time of criminal identification.

The Automation of the Fingerprint Live Scan System interconnects a string of 148 police stations which helps in speedy identification of the existing suspects, thereby enabling speedy investigation.

### Solution Highlights

- ➔ Supply, installation, commissioning and configuration of Fingerprint Enrolment Devices at the police station
- ➔ Enrolment Solution for electronic capture of Slap and Roll fingerprints using Live Scan Fingerprint Devices along with demographic details
- ➔ Inbuilt Quality Checks and capture of high resolution of images that are of forensic quality to allow for conclusive fingerprint comparisons (identification or non-identification decision), fingerprint classification, automatic feature detection; and overall Automated Fingerprint Identification System (AFIS) search reliability
- ➔ Automatic sequence checking of rolled print with respect to plain print
- ➔ Inbuilt noise removal to capture high quality fingerprints
- ➔ Automated real time criminal identification system that connects 148 police stations to district and central AFIS systems.
- ➔ Local AFIS system at Police station
- ➔ Real time matching of Latent fingerprints with AFIS database at Police station level
- ➔ This system was the first of its kind and has

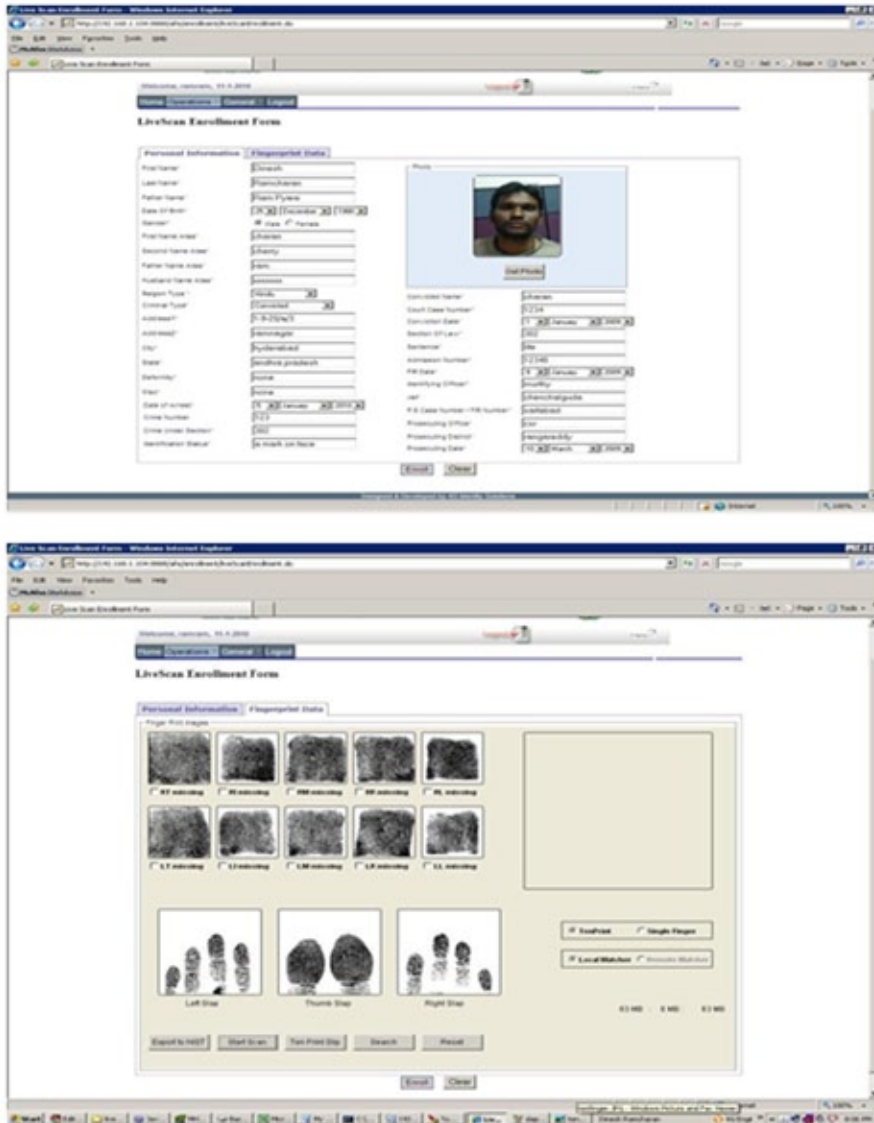


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## About Us

4G Identity Solutions Private Limited (4Gid) is a Pioneer (since 2001) & Global leader in providing large scale Identity Management Solutions using biometrics. 4Gid specializes as an End-to-End Identity Management Solutions provider & System Integrator in Civil ID, Homeland Security & Law Enforcement for Government, Corporate, Banking and Defence sectors.

4Gid has re-defined ID Management business space by providing thought leadership and proof of concepts that led to the world's largest ID programmes. 4Gid has executed many of the world's first large scale Identity Management Solutions for federal governments, multilateral agencies and top notch Corporates, and is currently delivering the world's biggest Civil ID Project – India's Unique ID / Aadhaar.



## Impact / Benefits

- ➔ Increasing efficiency and effectiveness of crime investigation and control
- ➔ Real time crime and criminal information System across the police stations