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

World's First Unique Citizen ID Database

Background

→ For Government of Andhra Pradesh ration cards, after de-duplication and field verification process for removal of duplicates, building up clean and centralized unique ID database for future enrollments

→ 1:N online Iris based centralized application for future enrollments

→ Project: Targeted Public distribution System (TPDS) for delivery of subsidized food to the poor and eligible people.

→ Objective: Real-time Identification of beneficiary across a database of 90 million while registering into the Ration Card Beneficiary system to avoid duplicate registrations.

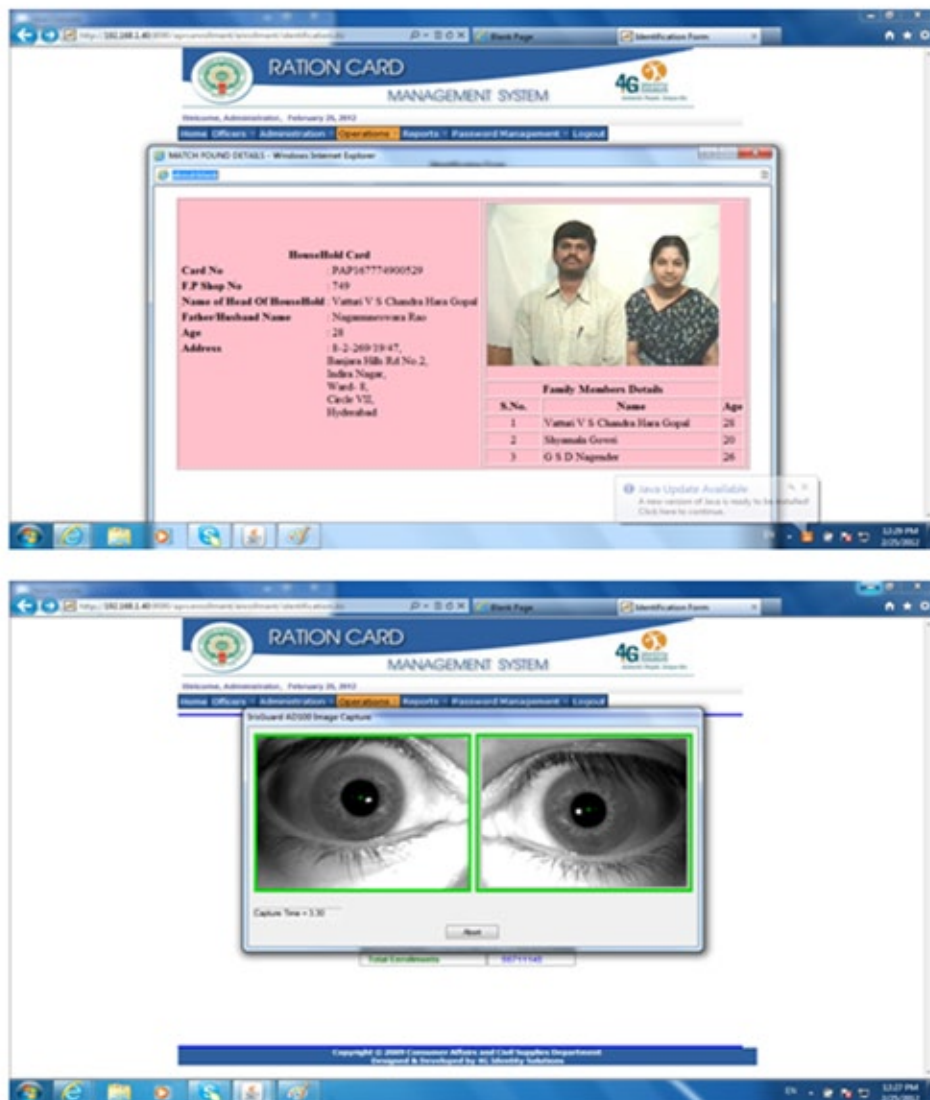→ Database: 56 million Subjects Iris and scalable to 90 million subjects

Solution Highlights

→ Creation of Unique Citizen ID database scalable to 90 Million residents

→ Creation of Real Time 1:N Identification System with server side response time of less than a second

→ Supports real time identification across hundreds of locations with client side response time of less than a minute.

4Gid deployed a web-based online enrollment application for the world's first Unique Citizen ID database for 90 million citizens of the state. This database is used to identify and authenticate a person for delivering various government services through a single system. 4G also integrated the solution with applications from the Housing Department and the Rural Development Department, among others which will help the Government in effective implementation of various welfare schemes.

4Gid also implemented the world's fastest Iris De-duplication project for the Government of Andhra Pradesh. The project consolidated and De-duplicated the Ration Card database of 82 million citizens with Iris codes of 56 million citizens. 4Gid performed over 6.26 quadrillion (6,262,668,889,152,840) Iris matches to remove duplicate enrolments. In addition, 4Gid employed demographic match software to filter duplicate enrollments in records where no Irises were enrolled. The results of the De-duplication have generated about 30 million survey sheets that are used by Government officials for verifying households in the state.

World's First Unique Citizen ID Database

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

Governments
- Effective Beneficiary Data Management system that ensures One ID for One beneficiary

Beneficiaries
- Trust on Government Service Delivery

Industry
- Proved scalability of Iris Recognition technology for Real-time Identification across Millions of subjects