# PintarID™
## Enrolment



Every year millions of identification and travel documents are issued for people around the world. Whether it is a passport, National ID, driving license or even visa, the issuance process comprises of one common component: the Enrolment.

As new generations of ID documents become more technologically enhanced and counterfeit-resistant, ID Enrolment systems have become enticing targets for theft and unauthorized use. Accessing authentic security materials, algorithms and production mechanisms, enrolment systems in uncontrolled-environment are capable of producing undetectable fraudulent ID's. With such concern, every organization must observe the enrolment process as a critical stage in Identity Management.

Through years of experience, HeiTech Padu has developed an ideal solution for managing population enrolment process that covers the entire core features of a complete enrolment and verification system. Integrated with highly sophisticated biometric devices and accurate matching algorithms that comply with international standards, PintarID solution ensures security and reliability of data collection and processing. We adhere to industry best practices and lessons learned leveraging on our vast experience in modernization, implementation and maintenance of core systems for Malaysian Immigration Department and National Registration Department. Through partnership with only the best in class technology providers, we make sure our Enrolment Suite delivers the ultimate value to our clients.

## Benefits

### Security

Security is the most important aspect of PintarID Enrolment ensuring the security through :

### Access Control :

Covering hardware security, application-level security and network security

### Data security :

Data center security and disaster recovery measures

### Privacy protection :

Encryption of personal and biometric data

### Identity Verification :

Applicant's ID document authentication and biometrics matching to prevent identity theft and detect falsified claims

### Quality

Quality of the captured biometrics is highly important to ensure optimum throughput is produced. Pintar ID Enrolment carries out automatic quality checks on capture fingerprint, iris, signature and photo. The live preview of the output also enables officers to visually verify the quality.

### Satisfy Standards

PintarID Enrolment adheres to applicable international standards including ANSI/INCITS 378, ISO/IEC 19794-2 and ILO SID,AES (256 bits) Encryption ,ICAO Doc 9303, ISO/IEC 19794-4 and ISO/IEC 19794-5

### Flexibility of Enrolment Modes

PintarID Enrolment is designed for large-scale public enrolment process with a balance in integrity and reliability for convenience of applicants. It offers variety of enrolment modes including online pre-registration, over counter, Mobile Station and kiosk.

### Expeditious Process

The enrolment process of a national project with millions of applicants is a time-consuming task. PintarID Enrolments efficient and well architected design considerably enhance the speed of enrolment process by :

- ✔ Personal data entry via online portal and Kiosk
- ✔ Retrieval of data from the existing citizen databases
- ✔ Document imaging using OCR/ICR technology
- ✔ Optimized ABIS system architecture

# PintarID Enrolment System Flow

PintarID Enrolment offers a universal enrolment workflow to manage the entire enrolment process in large-scales. This process can be customized to suit unique needs of every project.

## 2. Identity Verification

An optional step to verify identity of applicant using document readers or finger print matched against a existing database to retrieve citizen's historical data.

## 1. Registration

Based on customer's requirements the registration and data entry can cater different modes of enrolment: online portal, kiosk, counter or mobile station.

## 3. Biometric Data Capturing

Capture the required biometric and biographic data of applicant including fingerprint, iris, facial and digital signature.

## 5. Database update

Post` matching process, data will be encrypted and securely updated in the ABIS, central and disaster recovery databases.

## 4. Matching Verification

After biometrics capturing, enrolled data is matched and verified against the database for de-duplication.

## 6. Payment & Receipt

Once application is complete, payment module manages fees and issues a receipt for future presentment.