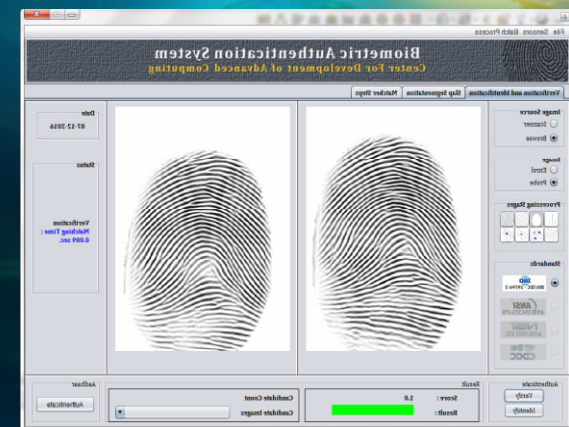
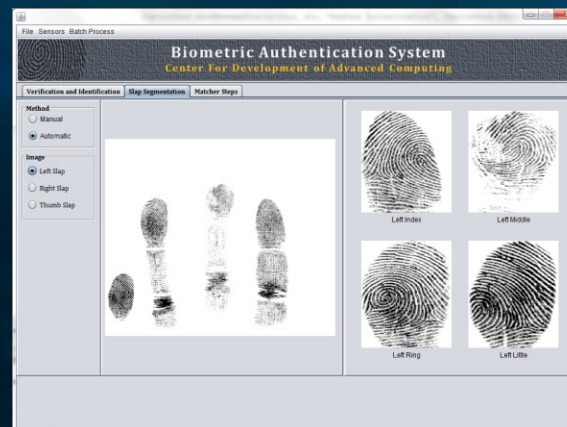
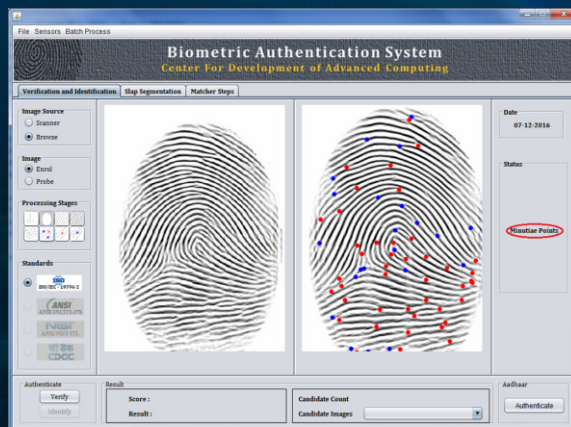


Products/Solutions/Expertise of C-DAC Mumbai in Smart City Domain

Biometric SDKs (Fingerprint, Iris)

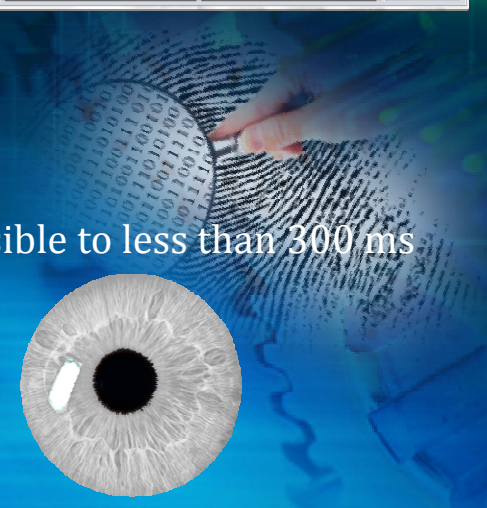
C-DAC Fingerprint SDK

C-DAC Fingerprint SDK is a fingerprint authentication technology designed for biometric system developers and integrators. The technology delivers fast and accurate system performance for fingerprint matching in 1-to-1 and 1-to-many modes.



Salient features

- Supports FMR (Fingerprint Minutiae Record, ISO/IEC 19794-2:2005)
- Supports fingerprint of Juvenile and Older age group.
- Average Matching time <math><0.1</math> sec using ISO fingerprint template. (Extensible to less than 300 ms depending on Hardware) and avg. extraction time <math><1</math>sec.
- Supports Slap Segmentation (Ten-print).
- Supports sensor interoperability.
- Proprietary Quality checks.
- 10 lac matches per hour.
- FRR <math><2\%</math> on FAR <math><0.01\%</math>.

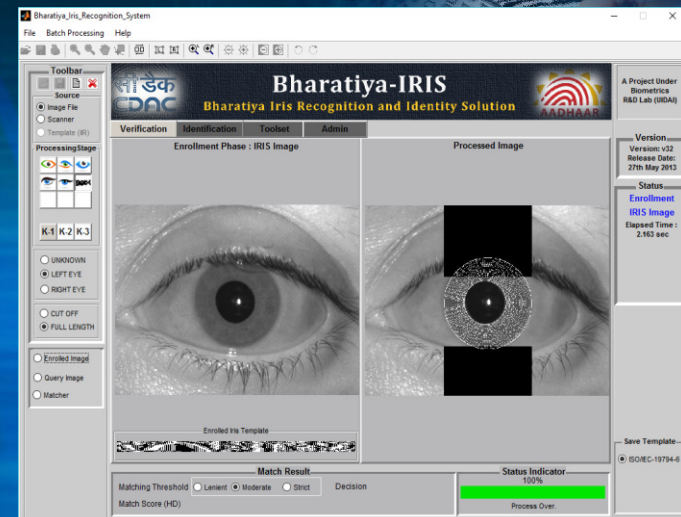


C-DAC Iris SDK

C-DAC Iris SDK is an Iris authentication technology designed for biometric system developers and integrators. The technology delivers fast and accurate system performance for iris matching in 1-to-1 and 1-to-many modes.

Salient features

- Identification (1:N) / Verification (1:1).
- The system is fully interoperable and compliant to International Standard: ISO/IEC 19794 – 6:2011.
- A high performance Iris Recognition System, suitable for government and security agencies.
- It is equipped with a multi-layered robust quality assessment scheme, which makes it highly suitable for non-ideal environments.
- The system also enables identification of persons with Spectacles, Contact Lenses, persons from distance and with wide gaze angles.



Standards and Achievements

The Standards supported by the C-DAC's Biometric Solutions:

Fingerprint Standards

- ISO/IEC 19794-2:2005
- ISO/IEC 19794-4:2005
- ANSI/NIST-ITL 1-2011
- ANSI/INCITS 378-2004
- ILO-SID Standards

Iris Standards

ISO/IEC 19794 -6:2011

Achievements

- The Fingerprint and the Iris module is accepted by UIDAI (UAT approved) as the system has shown the desirable performance.
- The system works at par with the other National/International Biometric solutions.
- Real time system.
- Supports Fingerprint Classification (Henry Classification) and Slap Segmentation.
- Available for Windows, Linux and Android.

Thank you



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प्रगत संगणन विकास केंद्र

CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING

Gulmohar Cross Road No. 9, Juhu, Mumbai - 400 049

Maharashtra (India).

Phone: +91-22-26201606/1574 Fax: +91-22-26232195/ 26210139