

Biometric Identification System

Biometrics is the science of using human measurements to identify people. Today, an individual's identity can be verified by using physical means, such as scanning fingerprints, hands, eyes or the face. Individuals can also be verified by behavioural means. Their gait, vocal pitch, signature and typing speed may be used to identify them. Biometric technology offers the promise of an easy, secure method to perform highly accurate verification of individuals. A biometric scan can provide visitors/employees with security access to protected areas and allow entry and exit to premises by keeping full tracking logs of employees at the start and end of the workday.

Integral Fusion has vital experience in creating time and attendance systems for biometric devices. In today's high-technology environment, the Biometric Identification System is an ideal solution for personnel management in a medium to large organisation. This system provides a secure, fast and reliable platform with ease of operation to maintain security on premises. It also helps human resource management to enforce control and increase staff productivity in a very cost-effective manner. Organisations have benefitted from its user-friendliness, precision and unparalleled performance.

Key Benefits

- ✓ System Options: Provide the facility where system options and user preferences can be maintained.
- ✓ System Security: Prevent any form of tampering with clocking database.
- ✓ System Access maintenance: Manage the levels of access given to users who manage the system.
- ✓ System User maintenance: Add and remove users to access or modify the system, as well as the level of access.
- ✓ Zone maintenance: Company structure represented as a series of zones representing either physical or logical areas. Each zone could contain one or more fingerprint readers.
- ✓ Fingerprint reader maintenance: Facility to add, move and remove readers from zones, change reader settings and updating reader firmware.
- ✓ Access Schedules: Maintenance of access schedules. Access schedules are a matrix of date/time criteria for each reader in a zone.
- ✓ Department Maintenance: Add or remove departments.
- ✓ Time Schedules: Maintenance of time schedules for different Shifts. Assignment of Shifts to Group and People for accurate Time and Attendance.
- ✓ People maintenance: Add and remove people from system, capture fingerprints and allocate people to security schedules that will manage the person's access.
- ✓ Visitor maintenance: Add and remove visitors from system, capture fingerprints and allocate visitor schedule.
- ✓ Reporting: All type of Clocking Reports for People and Visitors for each IQ-Suite Component.
- ✓ Licensing: The system should provide for the ability to activate each IQ-Suite Product with a licensing key. Web based license renewal purchasing functionality, with licensing key generation functionality.
- ✓ Live Update: Any registered Biometric Suite Component have facility for live update software with latest versions and advanced features.

Technology

- ✓ Microsoft Development Platform: C#, ASP.Net Framework 3.5, AJAX, MS-IIS 6.0, Web Services
- ✓ Database: MS SQL Server 2005 Express Edition
- ✓ Microsoft Documentation Platform: MS Projects, MS Word, MS Excel
- ✓ Packaging Tools: Install Shield 2008