

## **Biometric Finger print Attendance system**

- The system should be a Finger print based Attendance Machine and should be single package type, combining in one package, in the following configurations:
- The system should have a LCD display.
- The system should have one touch one second employee recognition.
- The reader Operation Modes should be Finger/Card/Password
- The reader should have 12 digit keypad for admin login through password
- The system should have communication interface through RS485,TCP/IP USB host
- The reader should be supplied with the suitable power supply.
- The system should have the intelligent fingerprint image capture technology for dry, oily and damp finger.
- The reader should be compatible to store minimum 3 finger prints of the single user
- The system should have Built-in auto sensing technology to extract fingerprint without pressing any button.
- The Authentication Method should be Fingerprint, Password & Proximity card
- The system should have minimum 3000 finger enrollment and 1000 user enrollment & 1,00,000 data storage.
- The system should have the Audio visual indications for acceptance & rejection of valid and invalid fingerprints.
- The reader should have a Wiegand output port and should operate under internal control for read only access control applications.
- It should be capable of providing unique tone sequences for various status conditions.
- It should have SD card for data back up support.

- It should have flash memory to allow future feature enhancements to be added in the field.
- The reader should have separate terminal control points for the green and red LED's, and for the audio alarm.
- Customization of software as per the requirement for multiple entry exits with multiple device and necessary report generation like.

1. Employees coming late by 1 hour and
2. Employees leaving early by ½ an hour
3. Battery back up in case of power failure

- The overall system design and operation shall be user friendly and should require minimum training to allow.
- The provided software an operator to perform his daily routine with minimum supervision required and biometric controller should support the existing 6 nos of eWit e-personal Biometric system already installed in the campus.
- We need a single software to operate both existing and newly supplied biometric systems
- The company should provide proper training to employees for software operation and report generation
- The supplied reader should have 3 years' warranty.
- The spare for the supplied material should be available with the vendor for 10 years
- The system should be supplied with all the accessories required to function
- The system should be CE/ISO Certified

### **Time and attendance Software feature**

- Should be able to define Company/Department/Designation/Creation etc
- Should support Multiple Time Attendance Devices, Fingerprint, RFID etc
- Should have flexibility to define Holiday assignment and Calculation
- Attendance views
- Annual leave assignment and calculation
- Manual attendance entry option with password
- Access control feature with scheduler and movement report
- Grace period for work Start /End times
- User defined leave types
- Attendance data reprocessing
- Automated Late in/Early Out calculations
- Monthly leave Entitlement and Balance
- Complex and Rotating shifts
- Overlapping shifts
- Customizable attendance Report
- Daily, Monthly and yearly reports
- Automatic downloading and Sync of Data feature
- History of edited data by the user
- Color coded report
- Recycle Bin
- It should be a server client application with required time technology
- Should support multiple database
- User creation with roles and permission
- Should support USB network also
- Reporting by E mail to the authorized personnel
- Centralized database system
- Enhancement capability to accommodate Payroll and HR software as an future option
- A separate open data base needs to be provided with the table containing user ID,
- Punching date and punching time