

Some of the most prestigious institutions
from a number of vital sectors use
smart Identification Systems
(Access Control and Time & Attendance)



Several ready solutions to assist the **Pharma Sector**
in **Good Manufacturing Practices(GMP)**, such as:

- **Door Interlock** for the **Clean Rooms** and other **production facilities**
- **Access control** measures to restrict movements of personnel across **production facilities** to prevent contamination, as per the **US FDA guidelines**.
- **Biometric logical access** for critical **Pharma machinery** integration possible (**PLC**)
- **21 CFR Part 11** compliant software.
- **Rack level access control** in the **Data Centre** and **Server Room**
- **Access Control** at any other vital points where it may be necessary to restrict or regulate entry.
- **CCTV and Access Control** Integration for critical access areas.
- **Centralised Multi-location** recording and analysis of **staff attendance** in factories, branches, warehouses etc with an **OTP (One Time Password)** to maximize authentication of fingerprint registration.
- **Enterprise level in-house** developed web based software platform with a number of very useful **MIS Reports** and analysis for the management.



- Door Interlocking System (DIS) for Clean Rooms etc, to control Dust/Airflow/Temperature:-** The basic logic of DIS says that a door will open only if one or more doors, under the given logic, are closed. The door logic is authorised user configurable. For example, while Door 1 is open Door 2 may open too but not Door 3 which will open only when Door 1 is closed. Smart I DIS can control up to 8 doors, interlocking them in a single loop.
- Access Control System for Production/Admin/Lab with restrictions as per US FDA Policy:-** If a user is permitted entry to one type of lab he will be denied entry to another lab on the same day, to prevent cross contamination, in keeping with "Good Manufacturing Practices (GMP), for Finished Pharmaceuticals".
- Biometric Logical Access Integration with PLC:-** Helps ensure that the production of a batch commences only when authorised by the QA.
- 21 CFR part 11 Compliant Access Control Software:-** The Smart I Access Control Software is 21 CFR Part 11 Compliant. It has MS SQL Database at the backend and generates a complete Log file for all the Transactions/ Events/ Changes/ Editions in the software.
- Rack Level Access Control in the Data Centres and Server Rooms:** This is a 2 tier access control solution wherein the 1st tier provides access control on the door to the Server Room or the Data Centre. The 2nd tier provides access control at the Rack level i.e. on each Rack. This solution is available for new racks with OEM arrangement as well as in the form of a retrofitting solution for the existing racks.
- Access Control at any other points of entry:** It may be required to restrict or control access at a number of other locations in a Pharma facility. Smart I Systems can be of assistance.
- CCTV and Access Control Integration:** For added security and audit.
- Centralised Multi Location Time Attendance System, with an OTP and with centralized monitoring-** Smart I offers multi location Web Based Attendance Software solutions which can be monitored real-time by the central office. The One Time Password or OTP maximises authentication of fingerprint registration, date/time recording etc for better control.
- Web Based Enterprise Level in-house Software:** Enterprise level in-house developed Web based software platform with a number of very useful MIS Reports and analysis for the management.
- Visitor Management System:** Under the Smart I VMS one can specify locations where an authorised visitor can gain access and not at any other.



Smart I ELECTRONICS SYSTEMS PVT. LTD. (An ISO 9001:2008 Certified Company)
 Corporate Office: 308 Parkside Capital, Opp Hypercity Mall, Ghodbunder Road, Thane (W)
 Tel: +91 22 6464 6500
 Email: enquiry@smartisystems.com | www.smartisystems.com



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