Ess-Matrix
Infotech Pvt. Ltd.

Where Relationship Driven By Performance

ERP | Mobility | Barcode
RFID | POS | Biometric | CCTV

Ess-Matrix - A Snapshot

Welcome to the domain of Information Technology solutions.

Ess-Matrix Infotech Pvt. Ltd., is a Chennai based System Integrator, an IT Software and Hardware solution and service provider especially in the field of Barcode, RFID, Surveillance, POS, Bio-Metric, IT Hardware Infra and software solution such as ERP Solution, Warehouse Management, HRMS, Quality Management System, Plant Maintenance Management System, Production Plan and Control System, Materials Management System, Asset Management System, Contract Labor Management System, Enterprise and industrial Mobility Solution and PLC and other Automation Solution etc., to across all industries and business verticals.

Ess-Matrix founded and managed by the experienced people who have ascertained extensive domain knowledge having worked in various reputed corporate houses for more than two decades and handled diverse projects in the specific vertical.

Ess-Matrix focuses on delivering accurate solution to their clients within the stipulated time at an affordable cost. Ess-Matrix has partnered with many OEMs to provide an innovative solution to their Clients with the latest available products and technology in order to achieve the best results for mutually rewarding propositions.

Our Vision

Our vision is to reach, secure and retain a top ranked place in our operational jurisdiction by providing quality service and maintain an enduring relationship with our clients. We make it a Win-Win strategy for the company, client and OEM through which everyone attain the best results. To be the preferred and safest work place where employees can enrich their knowledge, express their views and live a balanced life.

Our Mission

We understand our customer's requirements precisely, design, develop and provide a comprehensive solution using the best available technology in the field of Barcode, RFID, Bio-Metric, Software development, Enterprise & Industrial mobility, Android Apps, POS and Digital Signage for all business verticals and become a reliable & affordable technology partner by providing world class exceptional solution to our esteemed clients.

Ess-Matrix -Hardware Products

Ess-Matrix Infotech is a system integrator and end to end solution providing company. We at Ess-Matrix not only provide software solution but also supply technological IT hardware products. This ensures that our clients get their complete solution from single supplier / service provider.

Ess-Matrix has partnered with many Indian and international OEMs such as Honeywell, Intermec, Datamax O'neil, Zebra, Motorola, Posiflex, GoDex, Hikvision, Fargo, Dell for their ranges of products like Barcode Printers, Barcode Scanners, Hand Held Terminals, Vehicle Mount Terminals, RFID tags & readers, CCTV, Bio-Metric, POS system, Blue Tooth Printers, ID Card Printers, Servers, UPS, All-in-One industrial Touch PC, KIOSK and much more.

Ess-Matrix Infotech also supplies quality consumables like barcode label, black & Color ribbon, RFID tags etc along with the hardware supply.

Authorised Partner for...

ERP | Mobility | Barcode | RFID | POS | Biometric | CCTV

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Infotech Pvt. Ltd.

Ess-Matrix presents ERP Suite for hassle free business process.

HIGHLIGHTS OF OUR ERP

- ✔ Simple & User Friendly
- ✔ Powerful & Flexible
- ✔ Integrated with Barcode, RFID, ARS & etc.,
- ✔ Customizable
- ✔ Cost effective

FEATURES OF OUR ERP

- ✔ Web based for Windows
- ✔ Can work LAN & Cloud
- ✔ Multiple Corporate & companies
- ✔ User level authentication
- ✔ Multi-level approval
- ✔ Automated transaction posting
- ✔ Pre-defined alert system

- ✔ Pre-defined Work flow system
- ✔ User defined reporting system
- ✔ Analytical reports with Graphs
- ✔ Integrated with Barcode, RFID & etc.
- ✔ Integration with third-party ARS
- ✔ Automated e-mail & SMS
- ✔ Export reports in PDF & Excel format

MODULES OF OUR ERP

GENERAL MODULE	MATERIAL MANAGEMENT	PRODUCTION	QUALITY MANAGEMENT
✔ Create Corporate ✔ Create Company ✔ Create Department ✔ Tax Master ✔ All Configuration	✔ Purchase Request ✔ PO Creation ✔ Gate Entry ✔ QC Entry & GRN ✔ Put away & Pick List ✔ Rack Management ✔ WIP Stock control	✔ BOM Creation ✔ Customer PO Upload ✔ Production Planning ✔ RM Request ✔ WIP Entry & MRN ✔ Consumable Consumption Entry ✔ FG Entry (Auto / Manual)	✔ Incoming Inspection ✔ In Line Inspection ✔ FG Inspection ✔ Customer Quality ✔ Vendor Performance ✔ SPC & APQP ✔ MIS Reports

PLANT MAINTENANCE	HRMS	SALES & DISTRIBUTION	FINANCE & COSTING
✔ PM Schedule ✔ BD Entry ✔ Tools Management ✔ Service PO Creation ✔ MIS Reports	✔ Recruitment & Training ✔ Performance Appraisal ✔ ARS integration ✔ Payroll & Attendance ✔ Self Service facility ✔ CLM System	✔ Customer PO Upload ✔ Delivery Schedule Plan ✔ Sale Invoice Creation ✔ Sales Return Invoice ✔ Trolley Management ✔ Transport Management	✔ Budget & Actual Analyzing ✔ Accounts Receivable ✔ Accounts Payable ✔ Product Costing ✔ Process Costing ✔ Ledger Accounts ✔ Assets & Liabilities ✔ Income & Expenses

Ess-Matrix Infotech Pvt. Ltd.

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Warehouse Management System

Warehouse is the place where materials, be it Raw Materials, Finished Goods, Maintenance Tools, Consumables etc. are handled. WMS process starts from PO Creation, flows through GRN entry, QC Entry, Barcode Label Printing, Put Away, Request, Pick list generation, FIFO Based issue, MRN, and ends with generating required MIS report. Implementing a comprehensive WMS makes sure that the processes are followed in an effective manner. Also, WMS can do rack management and follow FIFO process while issue of Raw Materials to Production. Ess-Matrix Infotech provides a comprehensive Warehouse Management System along with barcode, RFID & other technological hardware products.

Human Resource Management System

HRMS is all about managing staff, employees and labors of an organization of any kind. HRMS starts from employment and ends with Full & Final settlement. HRMS also deals with time & attendance, pay roll management etc. In simple, HRMS manages complete life cycle of each employee. Cloud technology, Smart Phone, Tablets, and Touch based KIOSK are taking employee management to the next level in using HRMS and giving them the new experience. We at Ess-Matrix Infotech provide HRMS in all forms of technologies. Ess-Matrix also provides hardware item which automates many process of HRMS such as Bio-metric device, Plastic ID card printer, Smart Card / Proxy Card, Smart card reader, Door access control system, Mobile HRMS, Touch based KIOSK for employee self service.

Barcode Solutions

Barcode has become an inevitable tool for automating the manual process happening in almost all the industries such as Manufacturing, Retail, Healthcare, Pharmaceutical, Automobiles, Courier & Logistics and many more. Various types of barcodes are 1d, 2d, Data Matrix, PDF 417 and QR Codes. Barcode may require for Material handling, WIP handling, MRP Label printing, Asset Management, Retail sales, Visitor management, labor management, Library management, Logistics, patient management and much more areas of business process. Be it any application or industry, Ess-Matrix provides complete solution at an affordable cost. Ess-Matrix also supplies hardware items such as barcode printers, barcode scanners, hand held & vehicle mount terminals, consumables like ribbons and labels.

RFID Solution

Radio Frequency Identification is used to track and identify objects, animals and humans automatically and transmit data. RFID Solutions consist of radio transmitters / receiver, antenna and tags & labels. All business verticals such as manufacturing, retail, education, logistic, and other service industries may require implementing RFID solution to automate identification, capturing data and give authorization. Ess-Matrix designs and builds customized RFID solution for a wide range of industry / application. We conduct a survey & study of your business process to project best suitable solution to automate the process by integrating RFID Technologies and equipment with customized RFID solution. Ess-Matrix also supplies RFID Tags, Readers, controllers, Printers etc.

Biometric Solution

Biometric, a legacy technology & system which is used for identification and authentication is still growing, getting stronger and becoming un-avoidable. Biometric includes fingerprints, palm prints, eye retina, facial recognition and voice recognition. Reading, recognizing, authenticating, store and retrieval of logs reports are parts of Biometric system. Biometric identity is unique to each individual, thus it becomes 100% reliable than other methods such as passwords, PIN, Proxy Cards & Smart Cards etc. Apart from time and attendance, Biometric system can also be used for Contract Labor Management System, Access Control System, Canteen Management, Library Management and many more.

Contract Labor Management System

Industries face lots of problem when they hire labors from contractors. Labor turnover ratio also goes up when labors are hired. Organizations appoints contractor for the supply of labors to avoid many issues. Company has to keep an eye on classified labors not being selected once again sent by any another contractor. CLMS plays a major role in eliminating these problems. Ess-Matrix provides a comprehensive solution for the management of Contract Labor. It covers from registration, ID Card Issue, Preventing classified labors, Time & attendance. It integrates with any ERP, HRMS system. Ess-Matrix also provides Bio-Metric Readers, barcode printer & scanner, self-service Kiosk, hand held terminal, camera, printers etc.

Asset Management System

Asset management refers to a system that records, monitor and maintains things of an organization. An organization may require variety of assets such as vehicles, computer peripherals, furniture, electronic and electrical fixtures, production machineries, maintenance tools, security tools etc. All these assets have to be managed with proper accountability. Ess-Matrix provides comprehensive system to manage assets of an organization. This system covers sourcing, tagging, assigning, deploying, utilizing, maintaining, movement and scrapping of assets of an organization. This system integrated with Barcode & RFID for tagging, tracking, auditing and reconciliation. Ess-Matrix also provides barcode printer, scanner, hand held terminals, RFID Tags, readers etc.

Visitor Management System

Growing number of visitors / suppliers / service providers attracts more threats to organizations, factories, Hospitals, corporates etc. Managing visitors have become tedious job for front-office executives. Visitors have to be restricted to visit only to the assigned place and people and also have to be available inside the premises only during the prescribed time period. Corporates, factories, hospitals, organization are in need of a system to record, manage, track and report the movement and activity of visitors, suppliers, vehicles, materials etc. Ess-Matrix provides a comprehensive system for managing visitors, vehicles, materials and fits for any small, medium & large organization with single or multiple entry point. We also supply barcode printers, scanners, hand held terminals, finger print readers.

Point of Sales System

Ess-Matrix Infotech provides end to end solution for POS (Point of Sales) to any kind of retail outlets, chain super markets, Hotels & Restaurants, jewelry show rooms, Textile Show Room, bars & clubs, malls & cinemas etc. Our POS system consists of three main modules such as inventory, billing and accounts. We also provide relevant hardware for POS System such as touch display PC, Receipt printer, barcode label printer, barcode scanner, cash drawers etc.

Industrial and Enterprise Mobility solution

Mobility Solution is becoming as centric and vital tool in Information Technology. The corporate world has already started implementing and reaping the benefits of enterprise mobility solutions for its business process automation. Enterprise Mobility Solution can bring and engage every organization with their employees, customers and suppliers in to a close circle and empowers all of them with accurate and timely information on the move and enable them to make a faster decision to achieve business excellence. Ess-Matrix provides tailor made mobility solution for Android & Windows to all industry verticals and for all business processes. Ess-Matrix provides solution for Mobile Phones, tablets, industrial rugged hand & vehicle mount terminals, Kiosk etc.

PROGRAMMABLE LOGIC CONTROLLER (PLC).

There has been a non-stop demand for improved and more effective manufacturing and process machinery has steered to the necessity for advanced quality and reliability in control techniques. With the availability of intelligent, compact solid state electronic devices, it has been possible to provide innovative control systems which can reduce maintenance, down time and increase in productivity to a larger extent.

By implementing efficient and user friendly industrial electronics systems for manufacturing process we can obtain exact, steadfast, quality products.

Considering the diverse demand and increasing competition **"PROGRAMMABLE LOGIC CONTROLLER (PLC)** is one of the latest techniques in solid state controls that offers flexible and efficient operation to the users to eliminate high cost associated with inflexible, conservative relay controlled systems.

Ess-Matrix implements PLC project for the Industrial Automation by using HMI and various advanced PLCs for your unique requirements.

- Conveyor line Automation.
- Product Assembly & Quality Inspection System.
- Material Handling System Integration.
- Supervisory and data acquisition & control system.
- Mixing operations and automation of packaging plants.
- Automated Motor control system.
- Plastic Injection Molding.
- Compressed air and gas handling plants.
- Energy management system in Boiler Control for efficiency and safety.
- Production Monitoring using Barcode scanner and LED Display.

We transform your thoughts and process to automation

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Ess-Matrix
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Our Esteemed Clientele

Ess-Matrix Infotech Pvt Ltd.,

8/6A,Velan First Street,
Nesapakkam, K.K Nagar West,
Chennai - 600078,
Tamilnadu, India.

+91 44 42736181
+91 97909 37895

info@essmatrix.in | presales@essmatrix.in
www.essmatrix.in | www.essmatrix.com | www.essmatrix-erp.com
www.facebook.com/essmatrix.in
www.youtube.com/watch?v=1zDBdl7cwl4&feature=youtu.be