IDENTITY CARD MANAGEMENT SYSTEM (ICMS)

Identity Card Management System (ICMS) is a fully integrated system that identifies individuals of an organization by way of issuing Identity Cards (ID Cards). It assists in controlling access to the resources of an organization on the basis of such ID Cards. The new system provides role based security verification by authorized officials with customization option and also generates various MIS reports for administrative needs.



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WHAT IS ICMS?

Identity Card Management System (ICMS) deals with uniquely identifying individuals of an organization by way of issuing Identity Cards (ID Cards) and thereafter controlling access to the resources of the organization on the basis of such ID Cards. The unique encrypted 2D barcode placed on the card can enable access at entry and exit points. The system supports identity access cards for both employees and other outsourced agency people who enter the premises regularly for required work, maintenance and support activities.

This application will be used by an authorized official of an organization entrusted with the responsibility of **ICMS** managing the for the organization and issuing ID cards to employees and other agency employees. The user roles conceptualized as "Administrator" and "Nodal officer". Administrator is incharge of assigning the "Nodal officer" who will be authorized thereafter for issue of ID Cards. Nodal Officer is responsible of design and standards for the ID Cards being used in the organization.

With the Software-as-a-Service (SaaS) model, businesses can consume applications that are hosted online, enabling them to lower their costs by paying only for what they use, enjoy seamless and painless upgrades in functionality, and integrate easily with their existing data and systems. Identity

Card Management System (ICMS) is offered by NIC as a SaaS service.

As a SaaS Service, ICMS is instantly made available for a new organization or department with the resources required. As the application has already been pre-audited for security, the master data and personalization are the only configurations that needs to be made and the application can go online.

WHY CHOOSE ICMS?

ICMS is a fully integrated system that can perform functions such as:

- Card Design
- Card Printing
- Attendance maintainence
- Check-in & Check-out
- Security Gate Authentication /Verification
 - Alerts/Escalation
 - Anytime/Anywhere Mobile Verification

Of the different Employee/User Management methods available today, use of encrypted open standards based 2D barcodes will be more economical and effective at the same time.

Smart Cards involve printing costs and card manufacturing costs and monitoring and maintenance time is



extended as access needs to be programmed for each card at the time of issue.

Biometric Management Systems do not require any manufacturing of physical IDs but the cost saved is neutralised by the costly Biometric Reading Systems that need to be installed. The identity of each employee needs to be matched and maintained, hence increasing monitoring, maintenance period, complicates the entire process.

However, a simple encrypted open standards based 2D barcode can be placed on the generated ID Card at the time of printing and with the use of a Barcode Scanner at entry/exit points, complete role based management can be achieved. This can be implemented in Government Complexes, Secretariats, Bhawans, Organizations, etc in a very cost effective manner. The scanned ID card will display information about the Employee with the Photograph at the Security Gate.

Since the application is fully configurable to suit the requirement of any organization of any size, a variety of requirements in that domain/area can be satisfied. After necessary approvals, a new instance can be created and given for the new implementation in no time as the application is pre-audited for security and standards.



KEY MODULES

- Employee Management
- Agency Management
- Template Management
- Configuration Management
- ID Card Issuance
- Admit Card / Entry Pass Issuance
- Security Gate Registration
- Attendance Monitoring
- Visitors Management

FEATURES

- Provides a single point solution to create and design various ID cards templates as per requirements with International and National Standards
 - 24/7 Service
- Barcode technology (secured open standards) for more security into capture and retention
- E-mail alerts to authorized officials and employees at actionable points
- Role Based Security verification by authorized officials with Customization option
- Various MIS Reports for administrative handling
- Work flow based and hence more intuitive and transparent
- Subsequent additional role creation possible at any point of time
- Security verification through front end devices with the use of Mobile Client
- Can be integrated with HR/Salary Department
- Less overheads, fool-proof transactions and easy maintenance
- Reduces the monitoring time and prevents fraudulent usage
- Effective data storage inside the system for any subsequent fast query retrieval and analysis



MOBILE CLIENT SERVICE FOR ANYTIME VERIFICATION

Security Verification possible anytime through front end devices Mobile such as Client by security officials, security executives and other

authenticated officials.

- Mobile client for ICMS can be issued by the Nodal officers for trailing the card, status, entry / exit history
- Sending alerts of expiry of cards and on unauthorized Entry

ACHIEVEMENTS IN ICMS

- The ICMS product was developed using Drupal 7.15 with PostgreSQL 9.2 as PoC in 2012 for generating ID cards instantly and has currently been implemented in NIC, TNSC.
- All State Centre employees and Agency employees have been issued with ID Cards and Entry passes using this system.
- All Agency employee ID cards verification and attendance are being recorded on a daily basis, with the use of Barcode Scanners.
- The product is registered under apps.nic.in for replication across the country.

FOR FURTHER INFORMATION:

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