MANTRA

MACS

Mantra Access Control System



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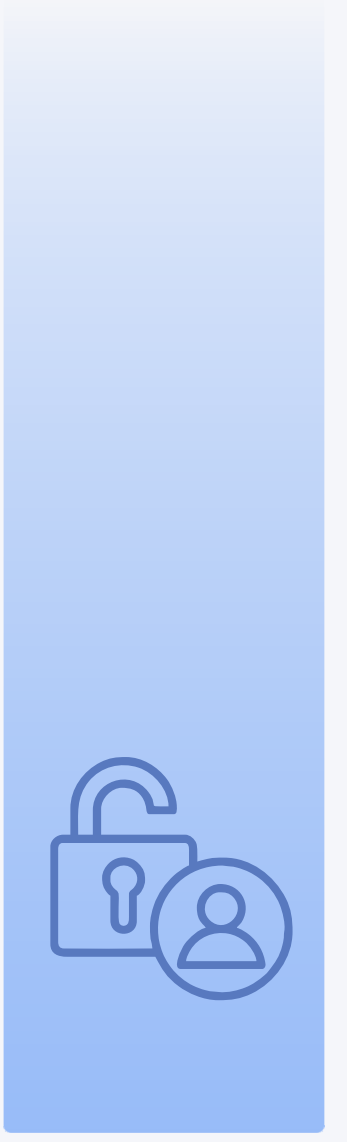
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Why Choose MACS



Enhance Security:

Ensures controlled access with multiple authentication methods.

Scalable & Customizable:

Adapts to the needs of small businesses and large enterprises.

Cloud & On-premises Deployment:

Supports both cloud and on-premises deployment options.

Seamless Integration:

Works with existing security infrastructure and enterprise applications.



IDENTITY ONBOARDING GATEWAY (IOG)

MACS is a comprehensive platform for access control and attendance management. It brings together essential modules such as VMS, CMS, Attendance, Enrollment Station, ESS, and more in a single unified system, with continuous feature upgrades built into the roadmap.

Engineered for flexibility, MACS supports both on-premise and cloud deployments, including client cloud and Mantra-managed cloud. The platform is designed for multi-company and multi-location environments, allowing entities, locations, and profiles to be configured with precision. It also enables custom access card design based on entity type.

Multi-modal authentication is supported through card, face, fingerprint, and QR code reading.

Key Features

Dashboard Overview

View real-time insights into device health, employee access, alerts, and transaction history.

User Management

Assign access rights, track user movement, and handle access requests from a centralized console.

Temporary Pass

Generate and monitor visitor and contractor passes with built-in approval workflows.

Automated Notifications

Receive email and SMS alerts for security events, device issues, and system updates.

Card Operation

Manage card lifecycle actions including personalization, activation, revocation, PIN control, and validity updates from one place.

Key Highlights

User and Entity Management: Define access levels, assign profiles, and track attendance effortlessly.

Multi-Company, Multi-Location Support: Easily manage access across multiple locations and entities.

Multiple Access Mode: Supports Card, Face, Fingerprint, and QR code authentication.

Comprehensive Dashboards & Reports: Get insights into employee movement, security breaches, and system performance.

Automated Notification & Alerts: Stay updated with real-time alerts for security events and system updates.



ACCESS CONTROL SYSTEM (ACS)

The Access Control System (ACS) is a comprehensive platform for managing and monitoring access to buildings, restricted zones, and sensitive areas. It combines advanced authentication, real-time monitoring, and intuitive management tools to improve security, visibility, and operational control.

MACS empowers administrators to define and manage entity access based on location, type, and profile. Profiles can be aligned to each entity to enforce precise, device-level access rules across premises.

Multiple dashboards and reports provide clear operational and audit visibility.

Key Features



User Management

Control user access rights, monitor movement, and manage access requests from a centralized interface



Access Management

Configure access levels, door permissions, and entry and exit logs with granular control.



Comprehensive Reports

Generate detailed reports on punch records, failed attempts, device analytics, and blacklist events.



Data Mapping

Map ERT members to departments, buildings, and zones for faster coordination and response.



Gate Pass Reporting

Produce detailed gate pass transaction reports for audits and compliance reviews.



ERT Dashboard Master

Track active emergency teams and define emergency categories with structured controls.



Dashboard

Monitor gate pass requests, approvals, and statuses in real time, and configure pass types to match organizational policies.

Key Highlights

User and Entity Management: Define access levels, assign profiles, and track attendance effortlessly.

Multi-Company, Multi-Location Support: Easily manage access across multiple locations and entities.

Device & Security Monitoring : Real-time tracking of device health, access logs, and alerts.

Enhanced Security & Accountability : Strengthen control and traceability at all entry and exit points to ensure compliance and operational integrity.

Role-Based Access Control : Enforce secure operations by granting access based on defined roles, permissions, and responsibilities.

Real-Time Movement Visibility : Gain immediate insights into user movement across facilities with live monitoring and reporting.



VISITOR MANAGEMENT SYSTEM (VMS)

The VMS module within MACS is a comprehensive solution designed to manage the entire visitor lifecycle. It provides real-time visibility into visitor activities, automates administrative workflows, and enhances facility security through data-driven insights.

Integrated directly into the MACS ecosystem, the VMS module enables organizations to track visitor statistics, manage entry requests, and maintain high security standards across multi-location environments. The system streamlines the transition from visitor arrival to badge issuance while providing detailed audit trails for compliance and safety.

Key Features

Real-Time Visitor Intelligence

Monitor visitor movements and activities as they happen. Segment data by location, department, device, or user for a granular view of organizational traffic.

Configurable Visitor Requests

Streamline visitor coordination with a configurable request and approval workflow. Define visitor types while routing requests to the appropriate person or department.

Instant Badge Issuance

Select visitor details and print professional identification badges directly from the dashboard to speed up the check-in process.

Blacklist Management

Identify and restrict prohibited individuals instantly. View real-time counts of blacklisted visitors to prevent unauthorized access at the gate.

Customizable Access Control

Define and manage rights for entities based on specific locations, visitor types, and user profiles for maximum administrative flexibility.

Integrated Card Operations

Full lifecycle management of visitor cards, including summary reports, transaction history, and card-specific data.



Key Highlights

Comprehensive Summaries: Real-time visibility into visitor requests categorized by location and department.

Segmented Analytics : Detailed insights into visitor data based on device, user, and organizational department.

Operational Efficiency: Quick-access links for rapid navigation and streamlined badge printing for high-traffic environments.

Advanced Reporting

Visitor Requests:

Full capture of entry requests, meeting times, and detailed visit logs for security audits.

Type Analysis:

Summaries based on visit intent (e.g., delivery, interview) and visitor category (e.g., contractor, client).

Departmental Insights:

Aggregated data on visit volume per department to assist in staffing and access analysis.

Credentials Report:

Tracking of issued access cards, including validity periods, status (active/expired), and movement trails.

Audit Reports:

Detailed history of blacklisted individuals and historical movement trails for specific visitors within the premises.

CANTEEN MANAGEMENT SYSTEM (CMS)

The CMS module in MACS provides a centralized solution for managing corporate dining facilities. It offers real-time visibility into meal consumption, device health, and subsidy distribution, ensuring efficient resource allocation and cost management within a single unified platform.

By integrating meal tracking with employee data, the CMS module automates the reconciliation of canteen usage across multiple locations. It simplifies complex meal configurations and provides administrators with the financial and operational insights needed to streamline catering services and employee benefits.

Centralized Canteen Dashboard

Monitor total canteen device status, real-time punch IN/OUT counts, and today's meal booking summaries. Gain instant visibility into weekly trends and meal distribution metrics.

Flexible Meal Configuration

Define and map primary and subsidiary meals to specific devices. The system allows for customized meal scheduling and pricing, providing the flexibility needed for diverse shifts and locations.

Real-Time Usage Monitoring

Track meal servings as they occur. View device-wise punch summaries to ensure all canteen hardware is operating efficiently and capturing data accurately.

Automated Financial Reconciliation

Automatically calculate total meal costs, subsidiary amounts, and final balances per device. This eliminates manual errors in billing and vendor management.

Localized Employee Reporting

Track individual meal consumption based on company entity and location. This ensures precise auditing and helps in managing employee-specific meal entitlements.



Key Highlights



Operational Intelligence: Real-time tracking of subsidiary meal distribution and consumption patterns.



Customizable Settings: Easily configure specific meal types for different devices to suit various departmental needs.



Trend Analysis: Review 7-day usage summaries to aid in demand forecasting and food waste reduction.

Advanced Reporting



Daily Subsidiary Summaries:

Detailed logs of employee-wise meal consumption and date-wise punch counts per device.



Employee-Specific Reporting:

Comprehensive daily reports filtered by entity, location, and enrolment ID for granular tracking.



Monthly Financial Overviews:

Summary and detail reports providing a month-by-month breakdown of subsidiary costs and usage.



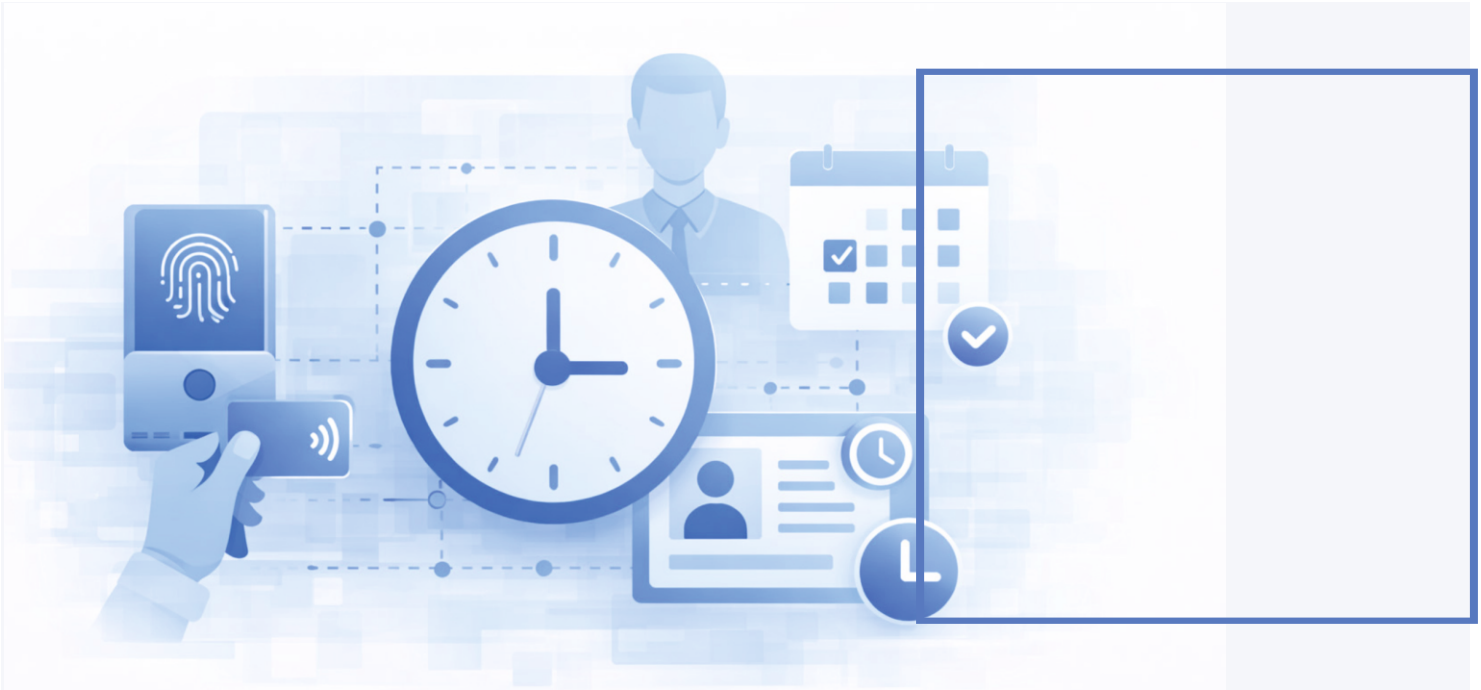
Entity Management:

Specialized monthly reports segmented by contractor name and company entity for accurate third-party billing.



Device Performance Logs:

Summarized punch data per device to monitor throughput and hardware utilization.



TIME & ATTENDANCE (TA)

The Time & Attendance (TA) module in MACS is a scalable, automated solution designed to eliminate manual tracking by centralizing clock-in/out data, shift scheduling, and policy compliance. Made for businesses of all sizes, the module replaces fragmented processes with a unified dashboard and streamlines everything from shift rotations to leave approvals, while ensuring strict adherence to company policies and statutory regulations.

Key Features

Employee Central Dashboard

A personalized hub where employees can view attendance records, check work hours, and monitor the status of pending leave or shift requests in real-time.

Precise Time Tracking

Accurately capture clock-in and clock-out events to monitor total work hours, overtime, and break durations, ensuring a transparent audit trail for every employee.

Dynamic Shift Management

Simplify complex workforce scheduling by assigning shifts, managing rotations, and handling last-minute schedule changes from a centralized console.

Attendance Reporting & Monitoring

Access daily and weekly attendance reports with consolidated data for easy record-keeping. Track patterns efficiently while maintaining clear visibility into workforce activity.

Geo-Fenced Attendance

Enforce location-based compliance by ensuring employees can only mark their attendance within authorized geographic boundaries or specific job sites.

Smart Policy Alerts

Receive automated email or SMS notifications for attendance violations, late arrivals, missing punches, and pending administrative approvals.

Key Highlights

Workforce Optimization: Real-time visibility into attendance trends to assist in resource planning and productivity analysis.

Policy Compliance: Automated enforcement of company rules and statutory regulations regarding work hours and overtime.

Global Scalability: Seamlessly manage attendance for a local office or a global workforce within a single integrated system.

Advanced Reporting

Daily Attendance:
Comprehensive logs of check-in/out times and daily working hours to identify patterns and irregularities.

Leave Analytics:
Detailed records of leave requests, approvals, and unauthorized absences for better workforce planning.

Compensation Tracking:
Accurate monitoring of extra hours worked to ensure fair compensation and labour law compliance.

Shift Allocation Report
Clear visibility into employee schedules, rotations, and manual adjustments.

Attendance Reporting
Access daily and weekly attendance reports with consolidated data for easy record-keeping.



FACE MOOD ANALYTICS (FMA)

The Face Mood Analytics (FMA) module within MACS uses AI-powered facial recognition to detect, analyse, and report human emotions in real-time. Whether used to improve workplace culture or enhance security through behavioural analysis, the module offers a scalable solution for organizations prioritizing emotional intelligence and proactive engagement.

Key Features

AI-Driven Emotion Recognition

Utilize advanced facial recognition technology to instantaneously identify core emotions - including happiness, sadness, anger, and neutrality - as individuals pass through access points.

Customizable Emotion Framework

Define and manage specific mood categories tailored to your organization's unique cultural or security requirements, ensuring the data remains relevant to your specific environment.

Category & Department Analytics Setup

Configure detection rules and analytics settings. Device-level preferences easily manages fast deployment and consistent data tracking across locations.

Geospatial Mood Tracking

Analyse and compare emotional data across various branches or office locations to identify site-specific sentiment trends and the impact of local environmental factors.

Automated Sentiment Analytics

Generate high-level and granular summaries of emotional trends over time, providing a clear picture of organizational morale without the need for manual data entry.

Key Highlights



Visual Sentiment Dashboard : Real-time data visualizations filtered by location and date for immediate situational awareness.



Behavioural Trend Identification: Identify emotional fluctuations and recurring patterns to support proactive wellness or security interventions.



Environmental Impact Assessment: Use mood data to measure the effectiveness of workplace changes, internal events, or policy updates.

Advanced Reporting



Daily Sentiment Logs: Detailed records of individual mood detections paired with high-level distribution summaries for a selected date.



Weekly Behavioural Analysis: Aggregated seven-day trends used to monitor emotional consistency and conduct long-term performance reviews.



Monthly Organizational Statistics: Macro-view reports providing comprehensive emotional health and engagement metrics across the entire enterprise.



Location-Specific Summaries: Comparative reports that highlight mood variations between different departments or geographic branches.



VEHICLE ACCESS PERMIT (VAP)

The Vehicle Access Permit (VAP) module within MACS is a centralized system designed to manage, monitor, and control vehicle movements in high-security environments by linking vehicle credentials to specific personnel profiles and entry zones.

Key Features

Centralized Vehicle Intelligence

A consolidated dashboard provides real-time statistics on vehicle counts, pending approvals, and movement trends through interactive summary charts.

Streamlined Onboarding

Digitize the vehicle registration process with an integrated request and approval workflow. Administrators can review, approve, or reject access requests based on predefined security criteria.

RFID-Driven Automation

Automate gate operations by issuing RFID tags to registered vehicles. This enables seamless, hands-free access while ensuring that only authorized vehicles can enter secured zones.

Real-Time Presence Tracking

Monitor vehicle activity within the premises as it happens. The system tracks "In-Side" presence, allowing security teams to know exactly which vehicles are on-site at any given time.

Role-Based Access Mapping

Define precise access rules by linking vehicle categories to specific entry zones and personnel designations. Ensure that specialized vehicles or high-level profiles have access only to authorized areas.

Multiple Vehicle Management

Allow a single individual to manage multiple vehicles under one permit. This ensures efficient vehicle administration while maintaining organized and professional on-site vehicle management.

Key Highlights



Automated Perimeter Control: Hands-free entry and exit using secure RFID technology to reduce gate congestion.



Proactive Lifecycle Management: Automated alerts for upcoming permit expirations to ensure continuous compliance.



Enhanced Security Auditing: Instant identification of unauthorized entry attempts and failed access logs.



Unified Monitoring: Real-time visibility into vehicle location and status across multiple campus locations.

Advanced Reporting



Access Event Logs: Detailed records of all successful and failed entry/exit attempts, including reasons for unauthorized access.



Historical Tracking: Movement trails for specific vehicles within the premises for security verification and incident investigation.



Permit Status Reports: Comprehensive lists of vehicles with active, expired, or soon-to-expire access permits.



Credential Audit: Tracks the issuance and lifecycle of RFID tags and physical permits, detailing to whom and when they were assigned.



Zone Utilization Reports: Analyses vehicle traffic patterns based on entry zones and mapped locations.

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