



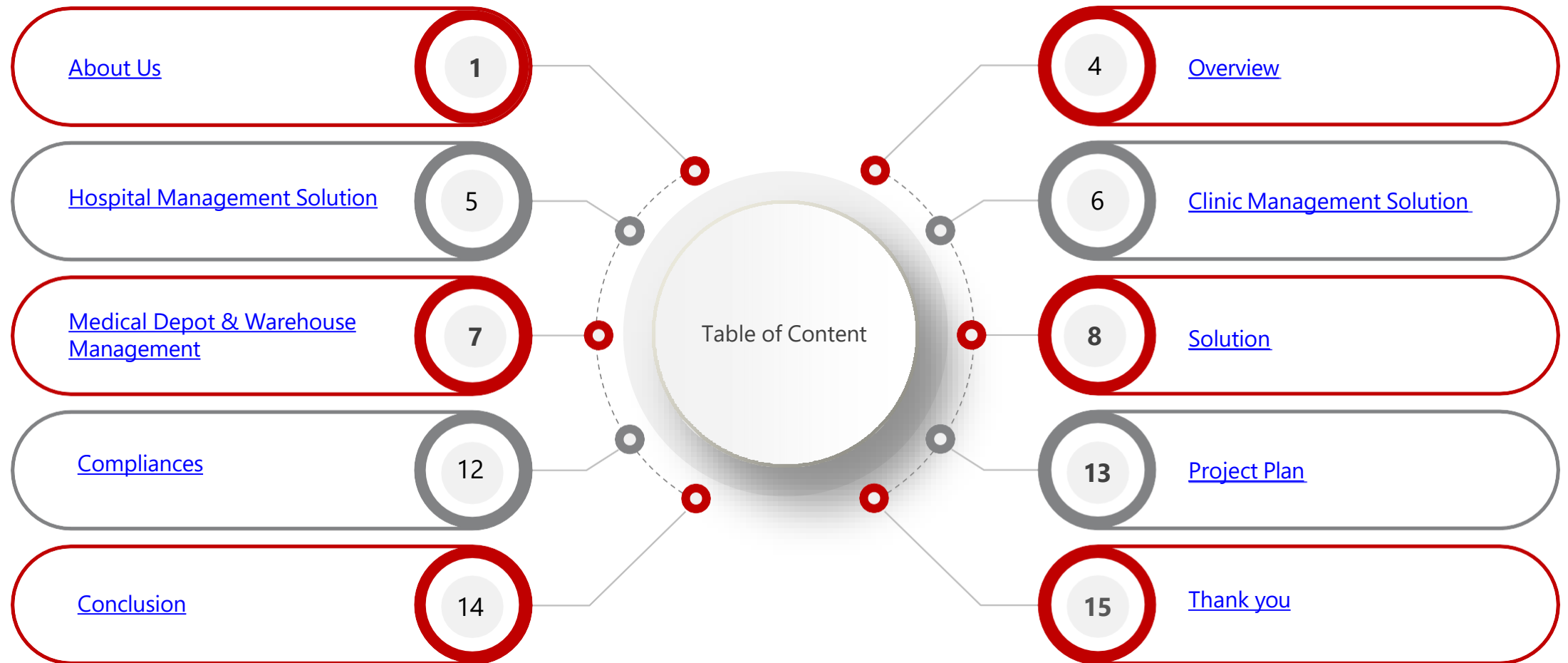
ENTERPRISE HEALTHCARE SOLUTIONS

AI-based Advanced Record-Keeping Solution | Scanning & Digitization of Medical Records



Providence
Software Solutions

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20+ YEARS INDUSTRY
EXPERIENCE

1000+ COMPLETED
PROJECTS

LEVEL 1 B-BBEE
COMPLIANCE

GRC DEDICATED
DEPARTMENT



About Us — — —

OUR SERVICES



CUSTOM SOFTWARE SOLUTIONS

We create tailored software solutions that innovate by leveraging cutting-edge technologies to drive efficiency, scalability, and competitive advantage



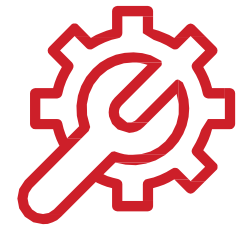
COMPLIANCE

Our GRC services ensure your operations meet industry standards while mitigating risks and safeguarding data integrity



INFRASTRUCTURE

We build and optimize secure, scalable IT infrastructure that future-proof your operations and ensure seamless performance, uptime, and disaster recovery.



MAINTENANCE & SUPPORT

Our support and maintenance team ensure your systems stay agile, secure and up-to-date, minimizing downtime and allowing your team to focus on innovation

“CUSTOMER SATISFACTION THROUGH PERFECTION”

Four words from which **PROVIDENCE** derives its soul

VISION

Providence aims to provide premier advisory services to its clients by shaping them to become industry leaders. This is done through providing them with a competitive edge in transformation, quality management systems, operational systems as well as risk management systems.

MISSION

Providence aim is to achieve customer delight through excellence in all we do, by offering world class services in assisting our customers to create an IT environment that provides a stable platform to enable informed management decisions that drives business profitability.

PROMISE

Co-creation of innovative ideas and high impact results to our clients.

Creation of lasting benefits in the societies and communities we live in.

Ensure above market growth and value for our clients and stakeholders.

Providing the highest standard of quality.

Exemplary quality assurance practices providing seamless, worry-free control throughout the duration of a project and beyond.

Overview

Its web-based solution aims at securing and leveraging health records and to provide hassle free healthcare services powered by robust AI technology.

The main objective of maintaining digital health profile to support the continuity, efficiency and quality of the integrated healthcare.

- Unified platform for Hospital, Clinic, and Medical Depot operations
- Real-time data access and analytics
- Seamless integration with SAP, NHLS, NDoH, and Home Affairs
- Modular, interoperable, and secure
- Paperless medical history that can be accessed anywhere anytime

Hospital Management System (HMS)

Comprehensive digital platform for managing hospital operations.

Features:

- Patient registration, triage, EMR, billing, discharge
- Pharmacy, lab, radiology, and bed management
- Integration with Power BI for real-time analytics
- Built on SharePoint and Microsoft 365 for secure collaboration
- Enables structured data capture for mSCOA-aligned reporting
- Supports ISO 9001, ISO 27001, and PoPIA compliance

Clinic Management System (CMS)

Tailored for municipal and occupational health clinics

Features:

- Appointment scheduling, EMR, and patient history
- Mobile access for remote and mobile clinics
- Digital forms and workflows for referrals and follow-ups
- Integrated with SharePoint and Azure AD for secure access
- Enables mSCOA-aligned service tracking and cost center reporting
- Supports role-based access and audit trails

Warehouse & Drug Depot Management

Manages medical inventory, drug distribution, and compliance

Features:

- Batch tracking, expiry alerts, and cold chain monitoring
- Automated stock replenishment and order workflows
- Integration with ERP and procurement systems
- Enables mSCOA-aligned inventory and asset tracking
- Provides audit-ready logs and structured reporting
- Supports compliance with SAPC, ISO 22301, and PoPIA

Hospital Management Solution

Key Features

- **Electronic Medical Records (EMR):**
Real-time, structured, and integrated with patient journey
- **Clinical Workflows:**
Admission, diagnosis, treatment, discharge, and follow-up
- **Smart Devices Integration:**
Vital signs, ECG, thermal cameras, wearable monitoring
- **Telemedicine:**
Remote consultations, diagnostics, and treatment
- **Diagnostic Support:**
ICD-10 coding, lab integration, and risk scoring

AI-Powered Enhancements

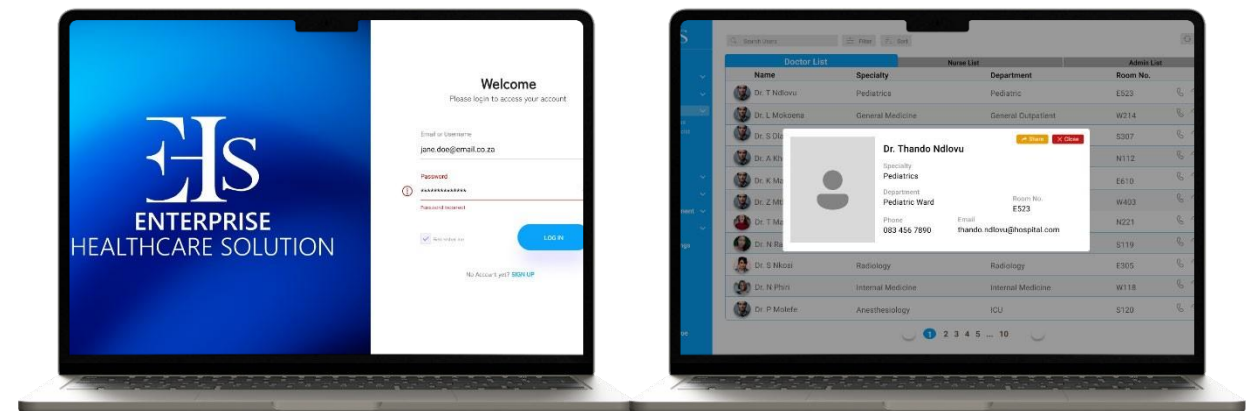
- **Predictive Analytics:**
AI models forecast patient deterioration risks based on vitals and history
- **Clinical Decision Support:**
AI suggests diagnoses and treatment plans using historical data and best practices
- **Natural Language Processing (NLP):**
Converts clinician notes into structured data for EMR
- **Anomaly Detection:**
AI flags abnormal lab results or treatment deviations in real time

Security & Compliance

- **Single Sign On & Role-Based Access:**
AI monitors access patterns to detect unauthorized access
- **Biometric Authentication:**
AI-enhanced facial and fingerprint recognition
- **Audit Trails:**
AI-assisted log analysis for compliance and anomaly detection

mSCOA Compliance

- Tracks patient billing, diagnostics, and treatment costs by mSCOA segments
- Supports financial reporting, budgeting, and audit readiness
- Integrated with SAP for procurement, HR, and financial management



Clinic Management Solution

Key Features

- **Appointment Booking**
Admin and self-service, biometric check-in
- **Unified Patient Records:**
Shared across clinics, supports family linkages and referrals
- **Queue Management:**
Real-time queue adjustments, return visit tracking
- **Clinical Protocols:**
Built-in treatment guidelines, chronic disease management

AI-Powered Enhancements

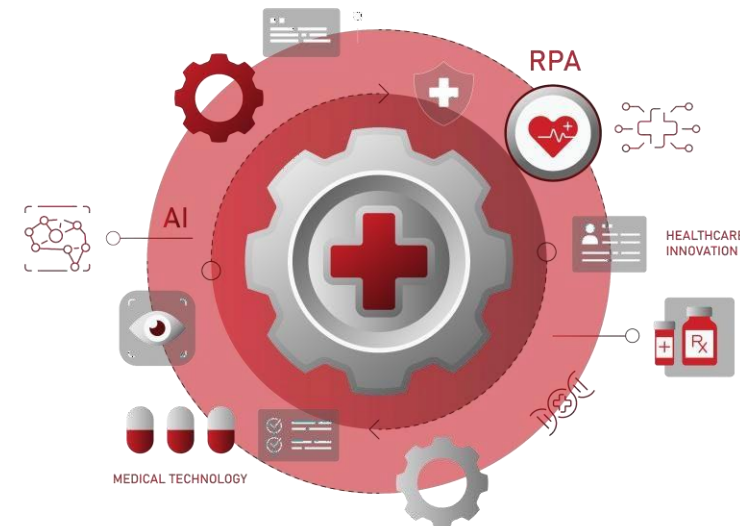
- **Smart Scheduling:**
AI optimizes appointment slots based on patient history and clinic load
- **Risk Stratification:**
AI identifies high-risk patients for priority care
- **Chatbots:**
AI-driven virtual assistants for appointment reminders and FAQs
- **Speech-to-Text:**
Converts spoken consultations into EMR entries

Operational Intelligence

- **Automated Reporting:**
AI generates reports for TB, HIV, chronic care, and notifiable diseases
- **Performance Dashboards:**
AI visualizes KPIs and clinic efficiency metrics
- **Outreach Integration:**
Mobile app with AI-assisted data capture and GPS tracking

mSCOA Compliance

- Tracks clinic-level service delivery, resource usage, and financials
- Supports integration with municipal health, indigent, and food security systems
- Enables budget planning, allocation, and expenditure tracking



Medical Depot & Warehouse Management

Key Features

- **Barcode Scanning:**
Batch tracking, expiry alerts, and secure storage
- **Stock Reconciliation:**
Monthly/bi-annual audits, deviation reports, and cycle counts
- **Scanning, Indexing and Cloud based record management :** Solution supports migration of physical records into digital records by scanning, indexing and uploading into secure cloud
- **Waste Management:**
Quarantine, recall tracking, and disposal logging

AI-Powered Enhancements

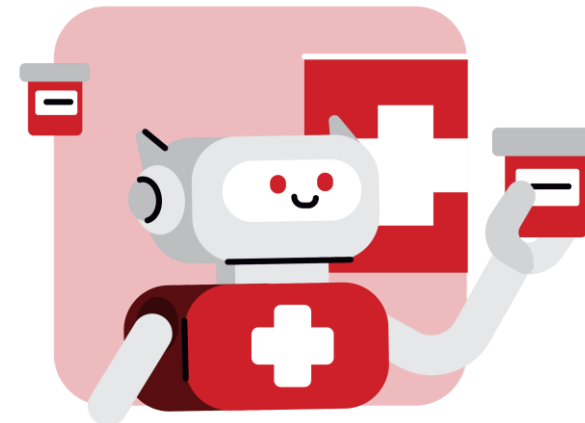
- **Demand Forecasting:**
AI predicts stock needs based on historical usage and seasonal trends
- **Expiry Prediction:**
AI flags items nearing expiry and suggests redistribution
- **Route Optimization:**
AI plans delivery routes for efficiency and cost savings
- **Supplier Performance Analysis:**
AI evaluates vendors based on delivery times, quality, and cost

Advanced Logistics:

- **Room Stock Management:**
AI generates reports for TB, HIV, chronic care, and notifiable diseases
- **Mobile Clinic Support:**
AI visualizes KPIs and clinic efficiency metrics
- **Food Bank Integration:**
Stock intake, expiry alerts, and beneficiary tracking

mSCOA Compliance

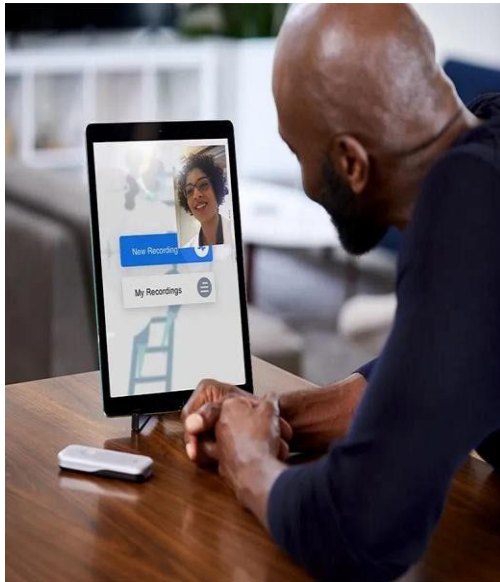
- Tracks inventory as municipal assets
- Links procurement and distribution to financial reporting
- Supports audit-ready documentation and compliance with Treasury standards



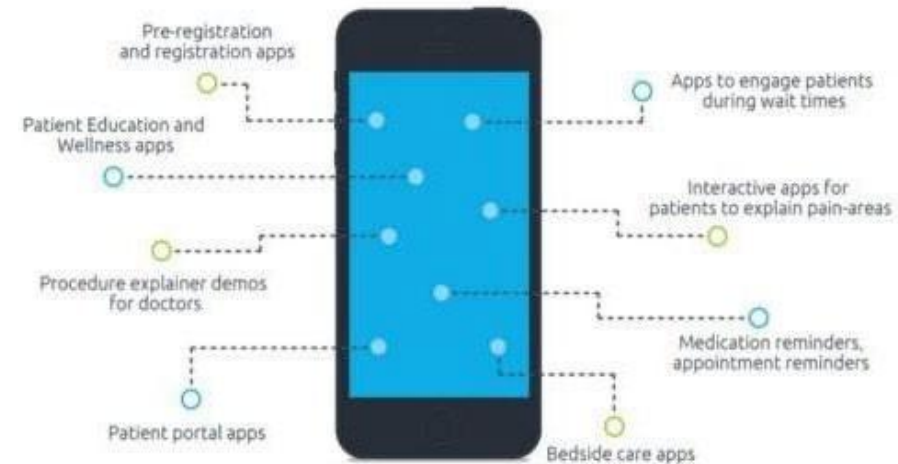
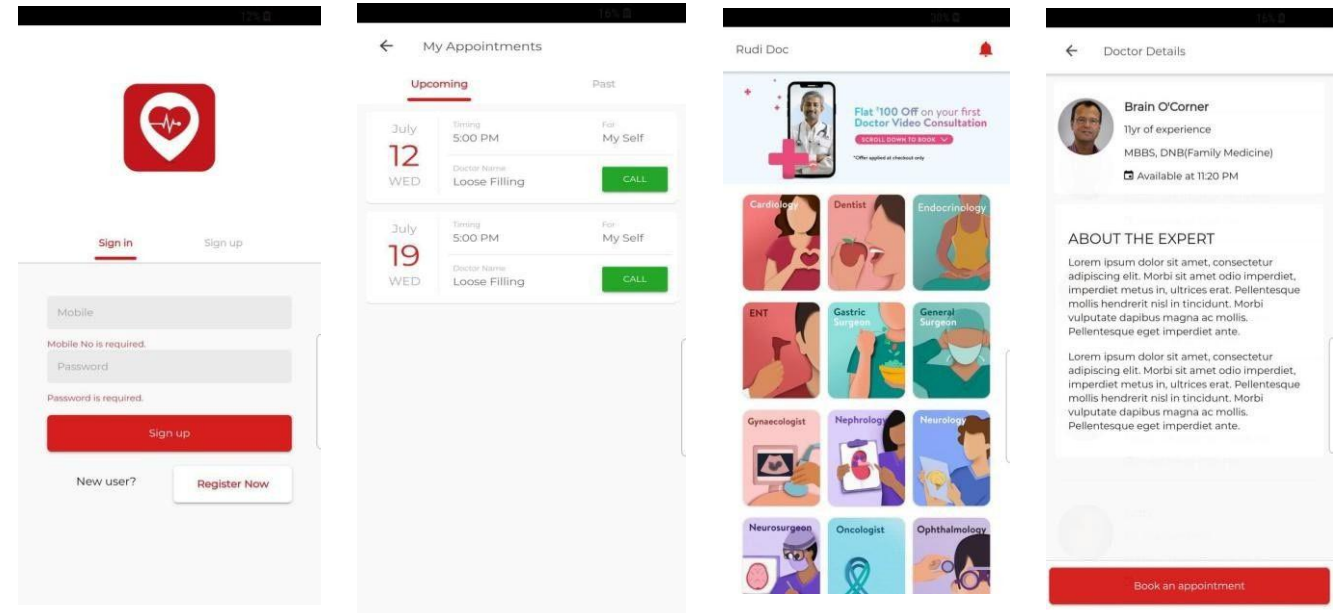
Solution

Key Benefits

- Unified platform for hospitals, clinics, and depots
- Improves patient care, operational efficiency, and data accuracy
- Reduces stockouts, fraud, and manual errors
- Enables clean audits and regulatory compliance
- Scalable across provinces, districts, and facilities
- Built on Microsoft's secure, cloud-first architecture



eHealth | telemedicine | virtual consultation

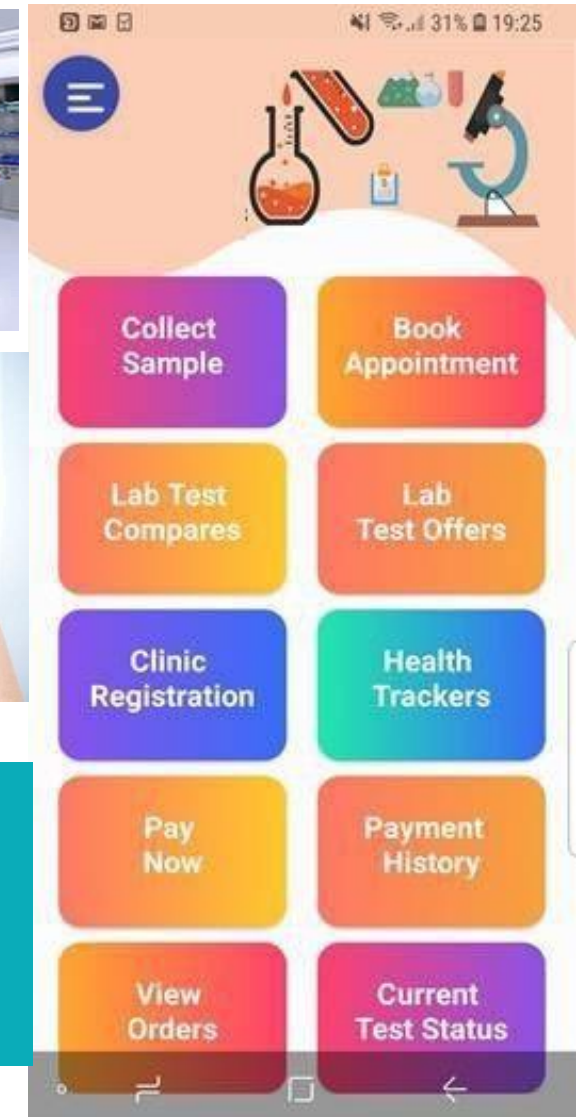


Solution

- Patient Identifier / Upload & Registration Portal
- Uploads information from Department of Home Affairs
- Integration with Department of Home Affairs for Citizen Database for validation purposes



Patient Tracking





Vital Signs Devices (Bluetooth Ready);

- Blood Pressure
- Blood Glucose
- Oxygen Saturation
- Heart Rate Monitor
- ECG
- Thermometer
- Weight Scale with BMI Calculator



Safety Goggles



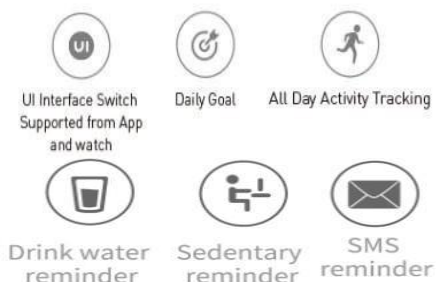
Face Shield



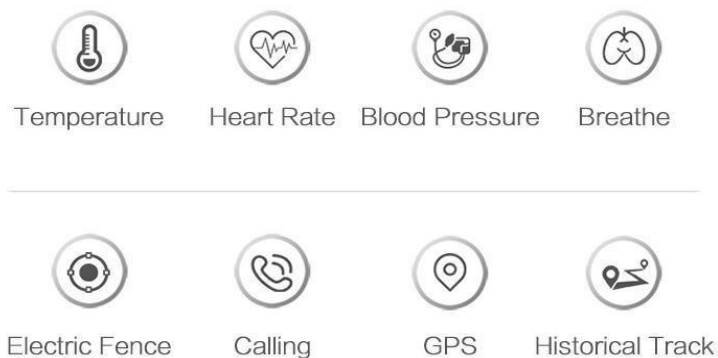
Safety Suits



Disposable Gloves



FUNCTIONS



Temperature monitor

This smart watch has infrared sensor on the caseback, it can monitor the body temperature 24hours. so you can see if you're in good condition.

This function is very urgent when facing the coronavirus situation. People can check their health condition at any place and any time. It's a good tool to help people note their health.



Light Wave Sensor Blood pressure detection

Blood pressure detection

This smart watch used advanced light wave sensor, can detect the blood pressure, this will help people check their blood pressure easily.

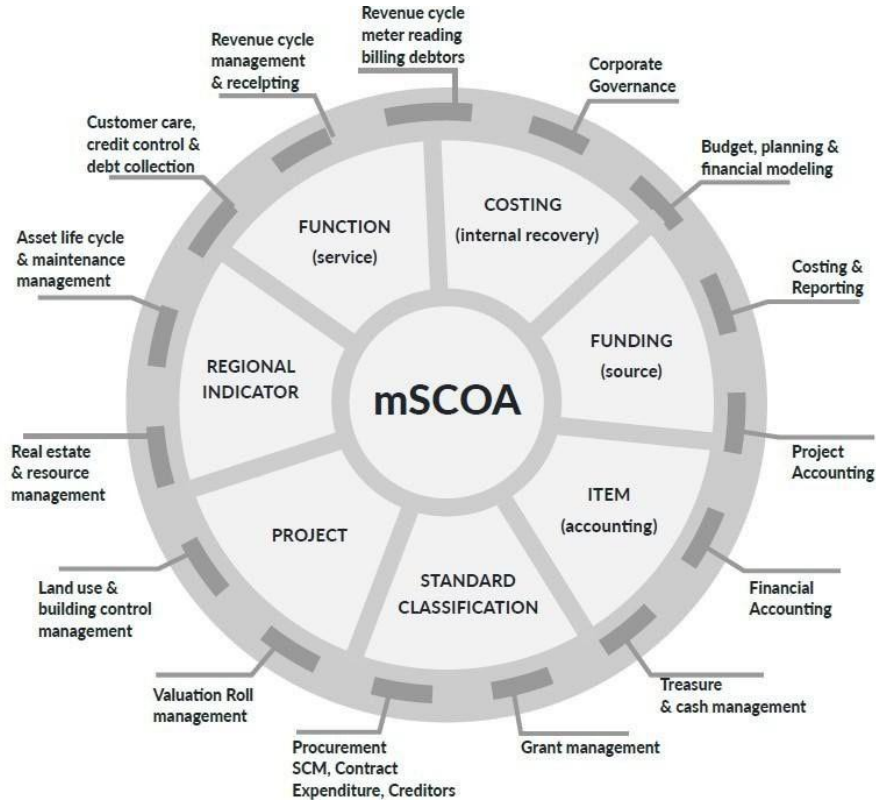
This function is very important to check people's health condition.

Heart Rate monitor

The green LED light can monitor people's heart rate, it's an important date for health. You can check the data on the watch



Compliance



Seven mSCOA Segments and Fifteen Business Processes

Information Protection with Microsoft Purview

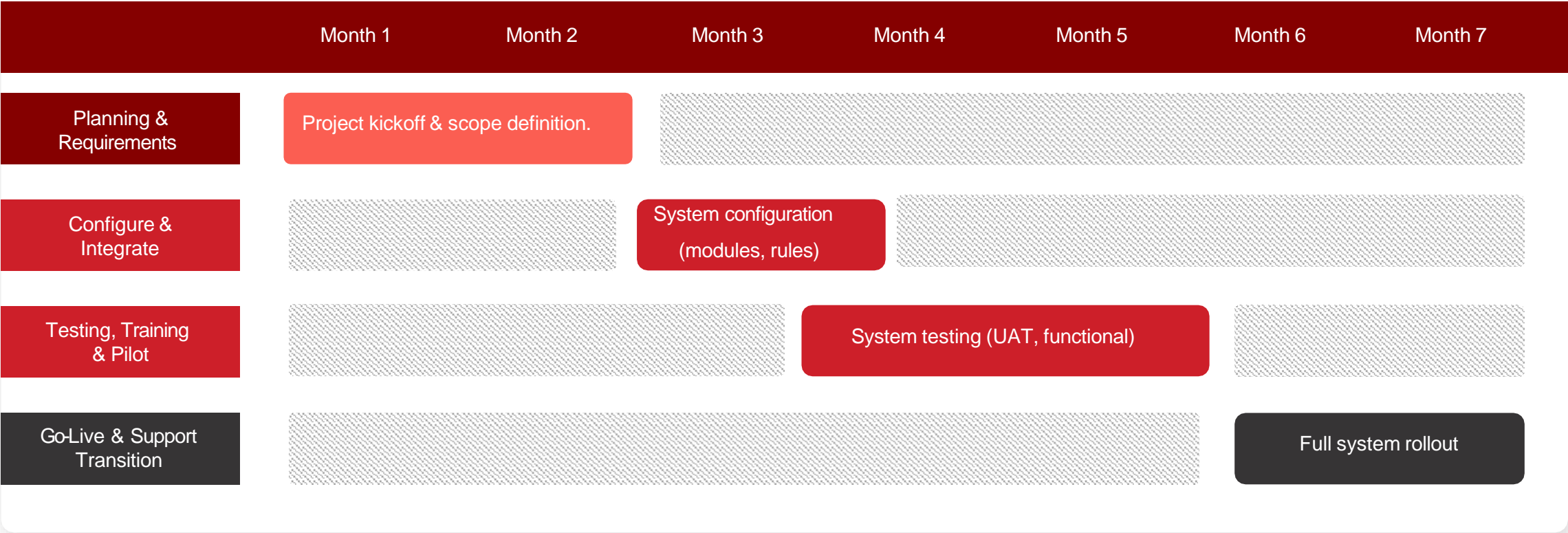
- Microsoft Purview Information Protection to classify, label, and safeguard sensitive asset data.
- Ensures that all information whether at rest, in use, or in motion is protected across cloud and on-premise environments.
- Sensitivity labels and policies are applied to asset data to control access and enforce compliance.
- Supports end-to-end visibility and control of information through:
 - Unified data classification and labeling
 - Encryption and rights management
 - Policy enforcement based on sensitivity or user role
- Helps organizations meet data protection standards under PoPIA, while supporting mSCOA's governance model through:
 - Secure audit trails
 - Role-based access aligned with financial functions
 - Protection of financial records and asset metadata from unauthorized access



Project Plan

Providence Software Solutions proposes the integration of its AI-Enhanced Enterprise Content Management system to help clients streamline operations, automate workflows, and enable smarter, data-driven decision-making. By combining predictive analytics, intelligent reporting, and real-time decision support, the solution improves service delivery, enhances compliance with frameworks like mSCOA and MFMA, reduces costs, and increases transparency across departments such as finance, HR, and operations.

Depending on the size, customizations and complexity of the organization the rollout plan changes but on average 7+/- months and with minor customization it can be rolled-out within weeks



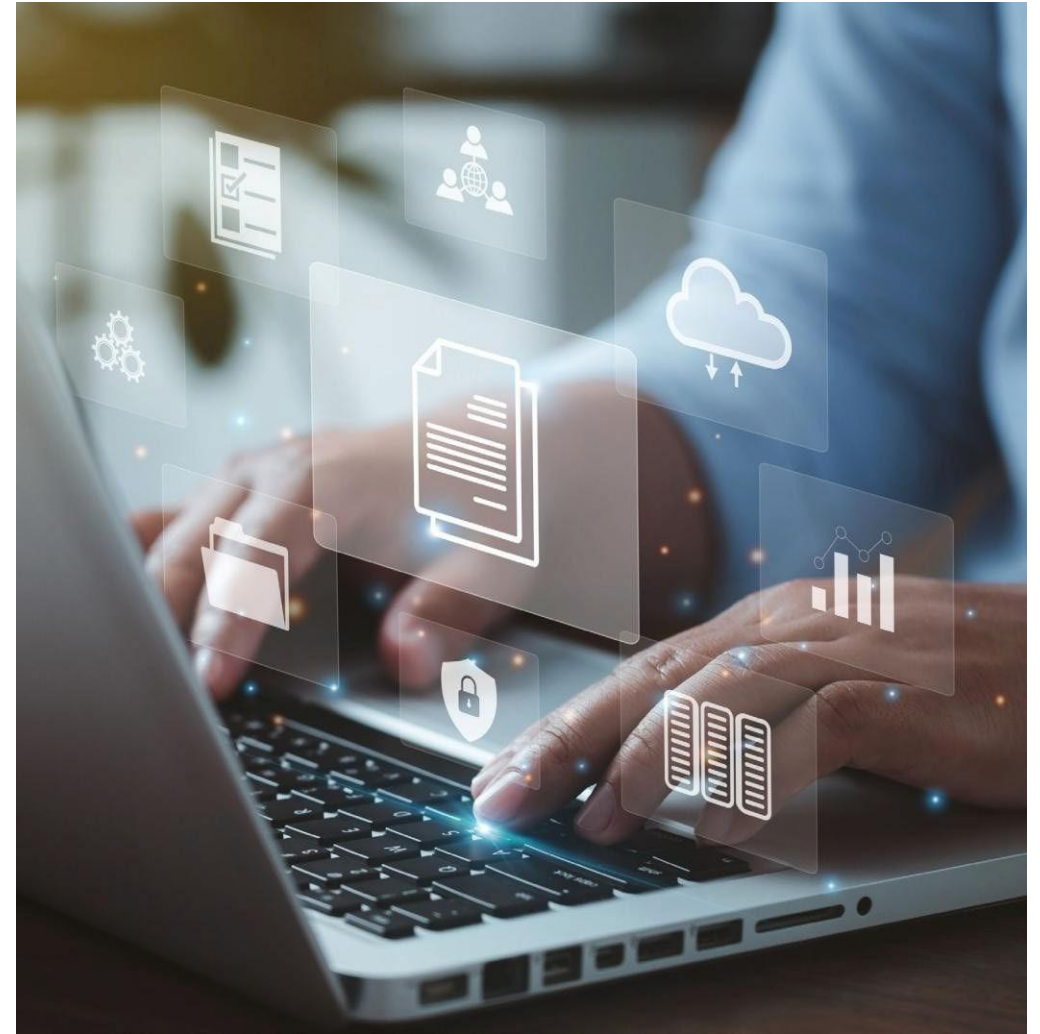
Conclusion

Providence Software Solutions is committed to delivering a modern, secure, and highly functional Enterprise Content Management System that enhances efficiency, transparency, and user experience.

Our expertise in enterprise IT solutions and a proven track record in delivering high-quality services, positions us as the ideal solution provider

Through a comprehensive design and development process, we deliver a user-friendly platform that supports seamless navigation, high performance, and compliance with governance standards. The solution is built on a scalable and secure infrastructure incorporating advanced security protocols, automated backups, ensuring data integrity and system reliability. Our tailored systems will streamline and improve workflows.

We look forward to partnering you in modernizing and improving your enterprise content management.



Thank You

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