

Cortex



The Complete Hospital Management System

SNOMED CT | ICD | PACS | HL7 | FHIR | DICOM | API



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About Safecare Technology

Safecare Technology is a top provider of all-encompassing healthcare solutions, with a team of experienced professionals who have a wealth of knowledge in the industry. Our skilled team of software engineers, doctors, consultants, pharmacists and other healthcare professionals uses state-of-the-art software development tools to achieve outstanding outcomes. We stand out in all areas, providing specialized IT solutions for healthcare, medium-sized and large enterprises, as well as customized solutions for various needs within the health sector. We offer Hospital Management Systems, Clinical Management Systems, Pharmacy Management, PACS, Medical insurance coding and more. We adhere to Interoperability Standards and Integration such as ICD, CPT, SNOMED CT, HL7, FHIR, DICOM and API to ensure seamless integration. Additionally, we offer Annual Maintenance Contracts (AMCs) for hardware and software support, guaranteeing smooth operations for our clients. With our commitment to excellence and a focus on leveraging the latest technology and best practices, Safecare Technology stands out as a preferred partner for healthcare software solutions.

Why Cortex

- Cortex offers a comprehensive healthcare solution, seamlessly integrating HL7, FHIR compliance throughout.
- Our user-friendly Electronic Health Record enhances clinical decision-making.
- Integrating mobile apps with medical devices enables remote patient monitoring.
- Cortex's AI-driven Speech-to-Text ensures smooth clinical documentation.
- Experience streamlined TPA Management with Cortex, facilitating claim processing for both emergency and planned admissions.

Modules



**Appointment
Module**



**Registration
Module**



**Electronic Health Records
(EHR) Module**



Nursing Module



Doctor Module



**Billing & Cashier
Module**



**Finance and Accounting
Module**



**Pharmacy
Module**



**E-claim Submission &
Resubmission Module**



**SMS & Email
Communication Module**



**In- patient
Management Module**



Bed Management



**Nursing and Ward
Management Module**



**Department
Module**



**Operation Theatre
Management Module**



**Inventory Management
Module**



**Laboratory Information
System (LIS) Module**



**Radiology Information
System (RIS) Module**



PACS



**Health Analytics and
Reporting Module**

Appointment Module

- Schedules Daily Appointment
- Displays the Patient Information
- Allot Consultation Time Slots
- SMS Reminders

Registration Module

- New Patient
- Existing patient
- Insurance/scheme Patient

Nursing Module (OP)

- Vitals
- Treatment room
 - Patient Observation
 - Medication Administration
 - Procedure Notes

Doctor Module

- OP Patient Chart
 - Assessment Sheet
 - HPI
 - Physical Examination
 - Investigation
 - Procedures
 - Prescription
 - Orthopedic Template
 - Gynecology Template
 - Ophthalmology Template
 - Dental Template
 - Pediatrics Template
 - Physiotherapy Template
 - ENT Template
 - Ophthalmology Template
 - Dermatology Template
 - Cosmetology Template
 - Psychiatry Template
 - Orthodontics Template
 - Dietician Template
 - Rehabilitation Template
 - etc.,
 - OP Consumables

In-Patient Management Module

- Insurance Work Bench
- IP Prior Approval
- Physician Confirmation
- Admission Office
- Admission Work Bench
- Admission Check List
- Admitted Patient List
- IP Nurse Dashboard
 - Discharge Checklist
 - Discharge Conclusion
- IP Nurses modules
 - Nurses Notes
 - Procedure Note
 - Nursing Procedure
 - New Born Record
 - Initial Assessment
 - Functional Independence Assessment
 - Patient Intake & Output
 - Patient Observation Details
 - Wound Assessment
 - Tubes & Lines
- IP Nurse Hand Over
 - Shift based handover
- Ventilator
- Braden Q
- IC Risk Assessment
- Patient Feedback Form
- Template
 - Surgery Record Template
 - Discharge Summary Template

Bed Management

- Bed Dashboard
 - Cleaning
 - Maintenance
 - Reservation
- Bed Allocation
- Bed Transfer
- Bed Vacate

IP Patient Chart

- Medical Summary
- History & Physical
 - HPI
 - Patient History /PFSH
 - Physical Examination
 - ROS
 - Allergy Details
 - Child Growth Graph
 - Print
 - Admission Request Form
 - IP Assessment Sheet
- Progress Note
 - Patient care plan
 - Observation
- Doctor Orders
 - Medicine Order
 - Lab Order and Radiology Order
 - Procedure Order
 - Discharge Medicine
 - Communication Order
 - Referral Request
 - Case hand over
 - Print
 - Print Orders
 - Discharge Medicine
 - Diagnosis History
 - Sick Leave
 - Fitness Certificate
 - Template
 - New Born Assessment
 - Discharge Notification
 - Patient & Family Education
 - Sick Leave Form
 - Fitness Certificate
- Consultation Notes
- Problem list
 - Provisional Diagnosis
 - ICD
- MAR Sheet
 - Add Medication
 - Active Medication Chart
 - Completed/Discontinued Medication Chart

- Nurses Notes
 - Initial Assessment
 - Initial Assessment
 - Pain Assessment
 - VAS Scale
 - FLACC
 - Wong Baker
 - Nursing Alert
 - Infections
 - Leisure Activity
 - Cardio-vascular Assessment
 - Moods and Behavior
 - Genito-urinary Condition
 - Personal Items
 - Emergency Contact
 - Templates
 - Nurses Note
 - Procedure Note
 - Nursing procedure
 - Patient Observation
 - CCU Observation
 - Tubes & Lines
 - Nursing Care
 - Patient Intake
 - Patient output
 - Patient IO Chart
 - Ventilator
 - FIM – Functional Independence Measurement
 - Braden Q Pressure Ulcer Risk Assessment
 - Educational Assessment
 - IC – Infection Control Risk Assessment
 - Nurse Handover
 - Communication Order
 - Catheterization
 - Glasgow Coma Secale
 - Nursing Care Plan
 - MRSA Screening
 - Acute Disease History
 - Fall Risk Assessment
 - Partogram
 - Partogram
 - Stages of Labour
 - Labor observation

- Partograph
 - Perinatal Details
- Birth Record
- Wound Assessment
 - Wound Details
 - Assessment
 - Treatment Plan
- Checklist
 - Urinary Catheterization
 - Back Care
 - Patient & Family Education
 - Monitor IV Cannula
 - Monitor Surgical Case
- Infection Monitor
 - SSI- Surgical Site Infection
 - CA-UTI – Catheter Associate Urinary Tract Infection
 - VAP – Ventilator Associated Pneumonia
- Examination
 - PV Findings
 - Bishop Score
- Print
- Surgery Note
 - Pre-Anesthetic Checkup
 - History Check
 - Physical Examination
 - Vital Signs
 - Investigation
 - Risk Status
 - Airway Assessment
 - Aids & Wearing
 - Surgery
 - Pre-Operative Checklist
 - Post-Operative Checklist
 - Surgical Safety Checklist
 - Anesthesia Safety Checklist
 - Surgery Team
 - Surgery Record
 - Post OP Evaluation
 - Cardiac Catheterization Record
 - Cardiac Catheterization Reporting
 - Anesthesia
 - Pre-Oxygenation
 - Drugs
 - Vital Signs
 - Regional Anesthesia

- Patient Aids
 - Peri Operative Events
 - Post-Operative Events
- OT Room
- Recovery Room
 - Modified Aldrete Scoring System
 - Post Sedation Discharge Score
- Surgery items
 - Baseline Count
 - Add/Deletion
 - Pre-Close Count
 - Pre-Completion Count
 - Final Count
- Medical Reconciliation
 - Home Medication
 - Review
- Discharge Summary
 - Discharge Summary
 - Death Record
 - Patient Transfer
- Documentation
 - Communication Tool
 - SBAR
 - ISBAR
 - SBARC
 - SOAP
 - PACE
 - I-PASS
- Document
- Rehabilitation
 - Therapy Codes
 - Physiotherapy
 - Goals
 - Pain Assessment
 - Joint Range of Motion
 - Manual Muscle Testing
 - Spasticity Grading
 - Tone Assessment
 - Assessment Notes
 - Physiotherapy Observation
 - Educational Assessment
 - Occupational Therapy
 - Intervention
 - Clinical Findings
 - Sensory Assessment
 - Goals
 - Pain Assessment

- Pain Assessment
- Assessment Notes
- Joint Range of Motions
- Manual Muscle Testing
- Speech Therapy
 - Assessment
 - Communication Assessment
 - Impairment Level
- Patient Consumables
- Nutrition
 - Diet Prescription
 - Assessment
 - Food Drug Interaction
- Lab results
- Vaccination Chart
- Orthopedic Examination

IP Billing and Claim

- IP Billing Dashboard
- IP Cashier Dashboard
- IP Claim Processing
 - Diagnosis Details
 - Bill Details
 - OP Assessment
 - IP Assessment
 - Encounter Details
 - Claim tracing
 - Claim Validation
- IP QA Analyst Work Bench
- IP Claim Supervisor Work Bench
- IP Claim Submission
- IP Claim Resubmission
- IP Claim Statistics Report
- IP Claim Submission Log
- IP Claim Processing Report
- IP Remittance Download & Auto Reconciliation

LIS

- Order Entry
- Specimen Processing
- Workflow Management
- Instrument Interfacing
- Result Entry and Validation
- Quality Control

- Reporting
- Data Analytics and Reporting
- Interfaces with Electronic Health Records (EHR)
- Security and Compliance

RIS

- Workflow Management
- Image Acquisition
- Image Viewing and Interpretation
- Report Generation
- Result Distribution
- Integration with Picture Archiving and Communication Systems (PACS)
- Quality Assurance and Compliance
- Business Intelligence and Analytics
- Security and Access Control

PACS

- Image Acquisition
- Image Storage
- Image Viewing
- Image Distribution
- Integration with RIS/HIS
- Reporting Tools
- Workflow Management
- Diagnostic Tools
- Security and Access Control
- Audit Trail
- Interoperability

Health Analytics and Report Module

- Operational Reports
- Clinical Outcome Reports
- Key Performance Indicators (KPI) Reports
- Management Information System (MIS) Reports
- Insurance and Financial Reports
- Regulatory Compliance Reports
- Quality Improvement Reports
- Inventory Management Reports
- Staff Performance Reports
- Utilization Reports



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