

# Simplified Hospital Management System (SHMS)

ENTERPRISE SYSTEM



Simplified  
HealthCare  
Informatics

- ▶ User-friendly, comprehensive Hospital Information System
- ▶ Helps in improving Healthcare Processes by fully implementing EMR, CPOE, Charting,...
- ▶ Completely secure
- ▶ Modular approach
- ▶ Decision Support System
- ▶ Fully integrated
- ▶ International Standards



# Main Features

## SHMS System

- SHMS is a fully-integrated, on-line Hospital Management System.
- It caters to multiple hospitals, centers or clinics in various locations.
- It is driven by business rules which govern the way the application integrates with different modules.
- SHMS allows for scalability, reliability, efficient data processing, quick decision making, reduced maintenance and overheads.
- It allows flexibility in reporting in various formats, including PDF, Excel, Word or CSV.
- The system validates data for each field with client side field masks.
- It provides patient numbers, charge codes, voucher numbers, invoice numbers, receipt numbers and other keys that can be configured to be generated automatically or manually.
- Data is stored in a single database providing real time information across applications throughout the hospitals or clinics.
- Common patient number and charge codes for all locations.
- Automatic patient alerts.
- A separate log records every event occurring for a patient.
- Comprehensive patient registration validations.
- Patient search by full or part name, telephone number, civil id and other parameters.
- Patient outstanding tracking at each visit.
- Multiple encounters are possible in a single visit.
- Consultation, services, lab order and pharmacy integration for insurance visits or admissions.

## Highlights

Simplified Healthcare Informatics (SHCI) offers a fully integrated system that streamlines and integrates business processes and information flow within the hospital / clinic and all its respective branches. This in turn synergizes resources, including staff, material, money and equipment through timely and accurate information.

The system offers features and functionality that cover areas including OPD and IPD Registration, Invoicing and Management, Insurance and Specialty Clinics, Bed Management, Visiting Consultants, Clinical Diagnosis and Treatment, Medical Stores, Laboratories, Radiology, Imaging Interface, Pharmacy, Manpower Management, Finance Accounting and Material Management.

Our target is to help improve: a) Healthcare processes through EMR, CPOE and other clinical functions; and b) Administration processes and constraints like material shortages, productivity enhancements, doctor patient interaction, customer service, cash management, inventory problems, quality of service, wastages, billing accuracy etc.

SHMS complies with and uses the International Standards, such as ICD 10 (International Classification of Diseases), SNOMED, CPT, International Drug Database, HL7, HIPAA etc...

The technology used to build the system allows for multiple levels of security, protecting data integrity. Confidentiality of patient information and hospital data is therefore guaranteed.



- Automatic creation of patient family.
- Bed availability chart with comprehensive search criteria.
- IPD reservation with reservation advance.
- Automatic invoice creation on adding of service.
- More than one doctor, department, package for an IPD admission.
- Bar coding generation for areas such as patient registration, stores, sample collection etc.
- Comprehensive clinical module for physicians.
- Intuitive template-driven doctor interface for recording patient encounter with minimal data entry based on international medical codes.
- Doctors can create diagnosis templates for different illnesses for multiple departments.
- Doctors can view their daily appointment schedules for any day from any terminal.



- Electronic signature of doctor can be attached to the prescription.
- Doctors can get the investigation reports online at their terminal.
- Laboratories receive orders directly from CPOE module.
- Pharmacy receives prescription orders directly from CPOE module.
- OPD & IPD insurance coverage at department or charge level. Claim percentage, deductible and Co-insurance can be changed at scheme and / or department and / or charge level.
- Tight integration between insurance and patient modules.
- Automatic integration of insurance visit or IPD admission with pharmacy.



# Backend System

- Auto posting of invoices and receipts from reception to accounting module and A/R.
- Auto posting of pharmacy sales to accounting module, A/R and inventory.
- Common chart of accounts, inventory masters and department masters for all companies of the group.
- Multiple price lists and possibility for a separate doctor price list.
- Consolidated trial balance, P & L or balance sheet for multiple companies.
- Online daily cash collections, patient turnover, billing and medical records related reports.
- A/R dash board integration with all relevant modules directly.
- Accounting years, periods and supplementary periods are possible.
- Intuitive trial balance screen with group, subgroup level collapsing.
- Invoice level tracking of payment, receipts and adjustments for A/P and A/R.
- Provision for OPD, IPD, pharmacy, item and service sales.
- Integrated purchase orders, goods receipts, invoicing requisition and issue transactions.
- Automatic batch with bar code generation for all goods receipts based upon expiry date or goods receipt date.
- Comprehensive item search criteria.
- Supplier can be flagged as preferred or banned.
- Intuitive item card report.
- Recruitment tracking with job positions, CVs, short listings and appointments.
- Residence permit tracking module.
- Attendance module with provision to integrate with auto attendance systems.
- Shifts and duty cycles for hospital staff.
- Appraisal and employee performance assessment and tracking module.



**Simplified Specialized Clinic**

Select Theme > English | [Arabic](#)

**Simplified Hospital Management System**

Modules			
<input type="checkbox"/> Security	<input type="checkbox"/> Reception	<input type="checkbox"/> Accounts	<input type="checkbox"/> Insurance
<input type="checkbox"/> Material Management	<input type="checkbox"/> Nursing	<input type="checkbox"/> Operation Theater	<input type="checkbox"/> HR
<input type="checkbox"/> Pharmacy	<input type="checkbox"/> Clinical Module	<input type="checkbox"/> Billing	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Interesting Cases**

**By Doctor Abdul Razzeek**  
An 88 y/o male was admitted for ... An echo performed for a murmur revealed a tiny muscular VSD with doppler velocity calculating...  
[Read more](#)

**Medical Conferences**

**Interventional Cardiology Conference**  
29th November 2007, Crown Plaza Hotel - Kuwait  
"PCI of Ven Grafts and Embolism Protection"  
Wendy Shear, M.D.

**Employee of the Month**

November 2007  
**Dr. Hudaib**

**Hospital News**

**Date : 10/11/2007**  
There are separate sets of tools to make selections of bitmap and vector data. For example, to select bitmap pixels, you can use the marquee tools or the lasso tools.

**Date : 18/11/2007**  
To select vector data, you can use the pen or shape tools, which produce precise outlines called paths.

**E-Mails**

**Tutorials**

**HR**

**Forum**

**Communicator**

**Office Circulars**

**Help**

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# The Enterprise System consists of the following modules:

## A. Front end Modules

- a. SHMS Portal and Intranet : Launching modules, communicator, circulars, HR services, news, ... Help and Tutorials, Content Management tools, etc...
- b. Reception : Registration, Cards, Labels...
- c. OPD : Appointments and Scheduling, Visit Management and Invoicing
- d. IPD : Reservation, ADT, Bed and Room Maintenance and Services
- e. Clinical : Maintenance and Templates, Patient Encounter, CPOE and Treatment Plans
- f. Nursing : Vitals, Medicine Administration, Transfer and Discharge
- g. Operating Theater Management
- h. Medical Record Tracking
- i. Laboratory : Templates, Results, Order Management, Sub Store
- j. Radiology : Templates, Results, Order Management, Sub Store
- k. Pharmacy : Warehouse Maintenance, POS, AR
- l. Dietary
- m. Housekeeping
- n. Billing



## B. Back end Modules

- a. Insurance : Insurance and Contract Management, Schemes and coverage, pre-approvals, AR ... and Reconciliation
- b. Financials : Price Lists, Packages, Chart of Accounts, A/P, A/R, etc...
- c. Asset Management : Management, Maintenance
- d. Material Management : Purchasing, Inventory Management, and Warehouse Management
- e. Human Resources : Recruitment, Appointment, Attendance, Resident Permit Tracking, Leaves, ... Shifts, Appraisal, Housing
- f. Payroll
- g. Budgeting

## C. Security and Maintenances

- a. Users, Roles and Privileges
- b. Session Monitor
- c. Business Rules
- d. Masters

