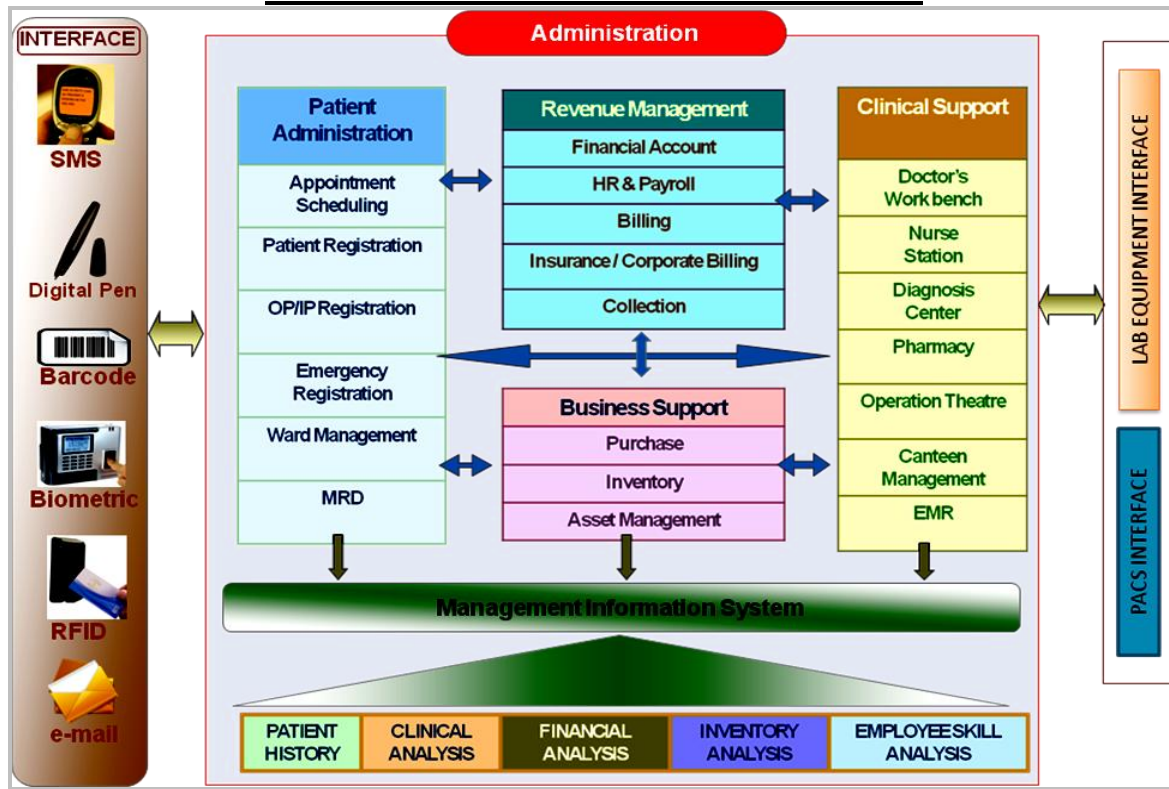# SKY-HMS

A Comprehensive Solution for Hospitals & Clinics

✓ SKY-HMS is a comprehensive and integrated Hospital Management System designed and developed in a state-of-art web based technology.

✓ SKY-HMS is fully geared up to meet the demands of running a multi-specialty Hospital or a Clinic.

✓ SKY-HMS has been conceived by a blend of seasoned professionals with rich and relevant experience in healthcare & IT industry.

✓ The system incorporates the best healthcare practices and is designed to deliver key tangible benefits to clients.

Skysoft
Consultancy
Services

MODULE INTEGRATION OF SKY-HMS

A comprehensive suit of Software Products for Hospitals & Clinics

SALIENT FEATURES

Modularity

- **SKY-HMS** is a comprehensive package that includes various modules which cater to different functional areas of healthcare institutions. **SKY-HMS** is fully integrated, yet modular, so that the user is not compelled to buy modules that he does not require.

User Friendliness

- **SKY-HMS** is extremely easy to use because of the extensive assistance provided during any and all data entry operations. The package is menu-driven, and help is provided for each screen. A comprehensive user's manual, detailing different procedures for various tasks, is also provided.

Security

- One of the major concerns of most hospitals is confidentiality of reports and records. Because of the sheer size and magnitude of patient's data, this is not an easy task. SKY-HMS provides multiple levels of security in the software, so that data pertaining to various functions of the hospital remains confidential.

Graphical User Interface (GUI)

- A good GUI always sets one off on the right track, helping users navigate without a hitch.

The easier it is to understand the greater is the chance that more people will feel comfortable with it.

- **SKY-HMS** Graphical User Interface enhances all the user friendly features of the system. The point and click features of the mouse reduces excessive usage of the keyboard, thus making most tasks easy-to-do and hassle free. This saves time and makes information easy to store and easy to access when required.

Doctor's workstations

- This module has several functionalities such as Appointments, OP /IP list of patients, Remainders & alerts and more importantly clinical documentation. The uniqueness of the clinical documentation is the Doctors can either use the standard template provided along with the system or can be redesign the format by them at any point of time based on their specialties and requirements.

Online Help & User Manual

- **SKY-HMS** provides a thorough and comprehensive online help, resulting in easy understanding and usage of the system. Thus, it is not necessary to be computer savvy to use **SKY-HMS**.

SKY-HMS is a suit of product developed in a state-of-the-art web based technology which is flexible and integrated solutions for any Hospitals (small or large) or Clinics. The SKY-HMS seamlessly integrates all departments and functionalities in a hospital. It is highly scalable and can be interfaced with other applications if required.

SKY-HMS is broadly classified in to 3 modules viz., Patient Care System, Supply Chain Management & Add on modules for the back office operations such as HR & Payroll, Financial System, and Asset Management System, which can be pick & choose and integrate with the core system.

- **Patient Care System**
  - **Front Office**
    - Appointment Schedule
    - Patient Registration
    - IP/OP Registration
    - Ward Management
  - **Clinical Support**
    - Doctor's Station
    - Nurse Station
    - Diagnosis Center
    - Operation Theatre Maintenance
  - **Billing & Collection**
    - OP Billing
    - Lab Billing
    - IP Billing
    - Payment Collections

- **Supply Chain Management**
  - **Pharmacy**
    - Material Intend
    - Cash Billing
    - IP Billing
    - Sales Return
    - Stock Maintenance
  - **Purchases**
    - Purchase Order Processing
    - Purchase Bill Accounting
    - Purchase Return
  - **Inventory Management**
    - Material Inward
    - Delivery
    - Transfer
    - Good Return
    - Physical Stock Reconciliation

- **Back office Add on Modules**
  - **HR & Payroll System**
  - **Financial Management System**
  - **Asset Management System**

Front Office

- ❖ **Appointment Schedule –** This module enables to verify the availability details of the Doctors and assist the patients with accurate information on scheduling the appointment. This module has an extensive search option to service the customer more efficiently.

- ❖ **Patient Registration -** The Registration module is an integrated patient management system, which captures complete and relevant patient information. The system automates the patient administration functions to have better and efficient patient care process. It provides various queries and reports.

- ❖ **IP/OP Registration –** This module enables to automate the out patient visits and directs to the respective department or units. Similarly In-patient registration creates an admission record and other details.

- ❖ **Ward Management –** This module enables to process planned and emergency admission. Option to track the shifting from one ward to another, availability, Discharge notification etc

Clinical Support

- ❖ **Doctor's Station –** This module has several functionalities such as scheduling, Remainder, Clinical documentation. The uniqueness of the clinical documentation is the Doctors can either use the standard template provided along with the system or can be redesign the format by them at any point of time based on their specialties and requirements. The system has an ability to accommodate any number of templates. Doctors can maintain the complete case details of the patients right from Demographic details, symptoms, past history, Allergy etc. Also able to Generate/view Test requisitions, Lab results, Prescription etc., next follow-up dates to remind.

- ❖ **Nurse Station –** This has several functionalities such as work scheduling, Generate/view Test requisitions, Lab results, Canteen request, and Pharmacy request. Also to update the test results taken externally.

- ❖ **Diagnosis Center -** The Laboratory module automates the investigation request and the process involved in delivering the results to the concerned department/doctor of the hospital. Laboratory module starts with receiving the online request from wards and also from the OP billing. This module supports to perform various tests under the multiple test categories. Based on the request the user can input the sample and generate the sample number. Results can be entered based on the sample type either to one test or multiple tests. If the test result requires approval, the supervisor has to approve the result and it is made available to concerned patient record.

- ❖ **Operation Theatre –** Operation theatre module manages all the operation theatre functionalities such as scheduling the operations based on the theatre availability. Able to document the pre-operative mandatory check list and observations. Record the Operational procedures and observation of the patient conditions, Post-Operative mandatory checks. Transfer to the concerned ward. Also maintains Surgical & Medical Stock information. Able to generate Surgery Register, Anesthesia registers etc.

Billing & Collection

- ❖ **Billing -** The module handles all types of billing. This module facilitates cashier and billing operations for different categories of patients like Outpatient, Inpatient and Referral. It supports both cash and credit (full or partial) billing. Automatically post the charges to the related heads such as Room charges, Lab fees, Canteen charges, Consultations, Pharmacy billing etc.

- ❖ **Collection –** Advances or payment collection against cash billing either OP, LAB or IP bills or payment against credit invoice would able to maintain.

  Also both billing & collections are seamlessly integrates with Finance module.

- ❖ **Pharmacy -** This module deals with the automation of pharmacy activities such as generating Material Indent to Main stores. Generating Cash Invoices, issuing medicines against IP request and an option to generate pharmacy IP billing separately. Acceptance or Transfer of goods between main stores and pharmacy, Physical stock entry and do reconciliation with the book stock etc.

Purchase

- ❖ **Purchase -** This module enables to :-

  - To consolidate all approved Purchase Indents from various departments
  - Create Purchase Orders of various categories
  - Account Purchase bills against P.O.
  - Raise Debit Note/purchase return due to any discrepancy.

Inventory

- ❖ **Inventory –** The system would able to create any number of Stores and sub stores. Main store able to serve the indent from the sub stores by either materials in the stock or create back-to-back purchase indent. Also main store would able to move the stock based on the ROL in the sub stores automatically. Main store would able to receive materials against Purchase orders raised on various vendors and move the materials to the concerned department. It also has the provision to set Automatic Reorder level, Physical stock verification and adjustment, Return of items to supplier etc. Key feature of this module

- Would able maintain stock on FIFO/LIFO/Weighted Average method
- Maintain stock on batch no wise.
- Emergency purchase can be accounted without Purchase order as local purchase
- Sub stores issues and receipt of stocks
- Inventory system is seamlessly integrated with Finance module to have an up to date closing stock updates.
- Option to include and track gift or donation of stock
- Stock requisitions from sub-stores and corresponding management
- Goods Receipt Note and Purchase returns
- Automatic stock updates on receipt of goods

and whole lot of reports on various categories

Back Office Modules

HR & Payroll, Finance & Asset Management System are optional modules, which can be integrated with rest of the modules.

HR & Payroll

- ❖ **HR & Payroll –** is a comprehensive application which works independently as well as seamlessly integrated with Finance and Patient Care system. Some of the Key features are as follows:-

  - Ability to define the basic parameter specific to an organization like weekly holidays, financial year start & End etc.
  - Enable to define the company information
  - Provision to define multiple branches
  - Enable to categorize various department
  - To define standard and non-standard earnings and deduction with the indication of whether PF, IT includes or not.
  - Able to define various type of Shift and parameters related to the shifts
  - Able to define Standard Holiday
  - To define various types of Leave, eligibility for the leave, leave attributes like 'can be accumulated', 'include holidays' etc.
  - To define various types of scales prevailing in an organization
  - To define various types of Loans available in an organization
  - Provision to define employee company detail and personal information, Skill set etc.
  - Duty roaster can be run for a day/week/month.
  - Interface with T&AM machines.
  - Give audit report if any inconsistency in the data
  - Provision for month closing, Year End process and to keep data for any number of years.

- Enable to transfer an employee from one branch to other branch. In the case of termination/retirement, generates the settlement details as per the company norms.
- Provision for Leave encashment
- To mark the attendance on holidays which enables to avail compensation leave?
- Enable to account partial or full foreclosure of loan amount
- Enable to do IT work sheet for IT planning and also Provision to define Monthly IT deduction plan
- Provision to generate Tax work sheet & Form 16
- Provision to do Gratuity calculation
- Provision to maintain Resignation / Termination
- Reports can be generated either to the specific month or between any of the periods of the processed data from the History files.

Finance

❖ **Finance –** is quite an extensive module which takes care of all accounting functionalities of a Hospital and provide a lot of exhaustive MIS reports. As finance is being the nucleus of any organization, this module can be integrated with any of the other modules effectively. Some of the Key features are as follows:-

- User definable accounting period
- Able to define Multi Divisions and do profitability analysis on division wise.
- Enable to define multiple branches and able to consolidate by defining one branch as Primary Entity.
- Ability to define any number of transaction / Day books
- Chart of Accounts - Flexible Account Codes – Can operate under Codeless environment. Facility to group them for ledger and reporting purposes
- Sub A/c Category & Sub A/c - For any of the voluminous GL account, Sub-Account can be defined and specify the range of valid GL accounts for the Sub-Account
- Cost Center - Ability to define any number of Cost centers specify the valid GL Account and Sub Account for the Cost Center.
- Project / Contracts - Enable to define Project and account expenses on project wise.
- Voucher Entry Control - This is a feature used to control the numbering of all types of vouchers by defining the restart basis (i.e. Daily, weekly, monthly and yearly or carry forward). Also able to defined Maximum amount allowed for a voucher.
- General Ledger Transaction - Ability to do Cash, Bank, Contra Voucher, Journal, Credit Note, Debit Note transactions on any number of books on each

category. Enable to account the transaction on the hierarchy of Account, Sub-account, and Cost Center & Project on each transaction.
- Inter Branch Contra Entry - Any Contra entry happens between branches, by accounting the payment transaction; the system generates corresponding entry in the respective branch.
- TDS remittance Transaction - Provision to map the references of the bill towards the TDS deduction, which enables to generate TDS reports.
- Bank Reconciliation - Provision to either enter the bank statement or import bank statement from any standard format to do BRS
- Many more features and exhaustive reporting options.

Asset Management

Asset Management – In any hospital quite a lot of Medical equipments and Infrastructure Assets will be there. Having proper accounts on these asset and maintain the conditions and track the location of the equipment is one of the vital function of a Hospital. This module has been developed in a well thought manner to meet the requirement of any hospital. Some of the key features are:

- Setup Fixed Assets
- Enable to define various Fixed Asset Types and map it the corresponding GL. Account to integrate with Finance module
- Asset Depreciation (Company Law / Income Tax)
- User defined Depreciation Percentage as per the Company Law and Income Tax
- Asset Transaction
- Enable to define Asset with unique ID on each asset purchase and maintain branch wise & location wise
- Ability to calculate Straight Line Method or Written down Value method
- Also keep track of increase and decrease in the value of various fixed assets as a result of Selling or Scrapping of Assets.
- Ability to provide accumulated Depreciation values.
- Ability to maintain Insurance details, Warranty & Maintenance details

Security

Security– The information stored in Hospital Management system is very sensitive and confidential. The system has been designed with a multi layer of security to manage these data. Some of the safety measures are:

- Full blown password protection.
- Operator permission for each screen & each function within the screen
- Various level of transaction closing such as Module close, GL close, Year Closing which controls and avoids data being modified after freezing the transactions.
- Passwords are stored in encrypted format to avoid the vulnerability
- User login/logout information maintained in a transaction log file to audit verifications.
- Last two level of each transaction a log is being maintained for any audit purpose.

TECHNOLOGY

SKY-HMS has been developed in a State-of-art Technology in complete web based 3-tier architecture as follows:-

Layer	Application
User Interface	Google Chrome/ Mozilla Firefox
Web Services	Internet Information Server
Application Layer	Dot Net Frame Work
Data layer	Oracle

Beyond software SKY-HMS is a comprehensive solution for Hospitals.

Skysoft Consultancy Services goes even further to bring you not just the best software but total, customized, integrated solutions- with the services to back it up.

Our services include:

- Extensive Training to staffs on SKY-HMS
- Post sales Support
- Data Security Solutions
- Hardware Sizing & Consulting
- Business Intelligence Solution
- Mobile Application Development

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