DANPHE HMIS MODULES

Scope Overview

Abstract

This documents outlines the features available in the Danphe HMIS modules.

Danphe Health

Danphe HIMS Modules

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Modules Overview:

Please select the modules as per your need. Please refer to the overview and features for the further information on the modules.

Danphe HIMS Modules	Check Box
Patient Registration Management:	☐
Patient Billing System (OP/IP)	☐
Outpatient Billing	☐
In-patient Billing	☐
Patient Admission, Discharge and Transfer (ADT)	☐
Laboratory Management System	☐
Pharmacy Management System	☐
Integrated Accounting Management System	☐
Dr. Fraction Management System (Dynamic)	☐
Patient Online Appointment System (Web Based):	☐
Patient Management Module	☐
Emergency Management System	☐
Nursing Management System	☐
Outpatient Clinical Information System	☐
In Patient Clinical Information System	☐
Radiology Management System	☐
Operation Theatre Management (OT)	☐
Assets Management System	☐
Medical Record Management System	☐
Medical Discharge Summary System	☐
Managerial Reporting with Dashboard	☐

1. Patient Registration Management:

The Patient Registration Management module is designed to simplify patient onboarding and scheduling processes. Acting as the first touchpoint for walk-in patients, it ensures the seamless capture of demographic information, insurance details, and other essential data needed for patient care. This module is designed to optimize patient flow, reduce wait times, and allow healthcare providers to manage appointments efficiently.

Key Features:

1. Appointment Scheduling: Facilitates appointment booking via phone or in-person visits, with department and doctor selection.
2. Patient Information Capture: Collect patient demographic details like Name, Age, Sex, Phone Number, and Address including (Country, Province, District, Municipality and ward)
3. Unique Hospital Number Generation: A unique ID (Hospital Number) is automatically generated for each patient
4. Appointment Booking List: View booked appointments with date filters and check future schedules.
5. Patient Appointment History: Access and review a patient's complete appointment history, including past visits, appointment dates, and associated doctors.
6. Follow-Up Management: Supports both free and paid follow-up workflow, with configurable free follow-up periods (e.g., 7 days, 10 days) and automatic pricing beyond the free period.
7. Inter-Referrals: Facilitates inter-department and inter-doctor referrals, including both free and paid options.
8. Shortcut Keys: Keyboard shortcuts for quick navigation and faster appointment management.

2.Patient Billing System (OP/IP)

This module ensures efficient and accurate billing for outpatients, inpatients including discharge actions. It streamlines revenue management, minimizes billing errors, and enhances transparency for both patients and healthcare providers.

2.1 Outpatient Billing

The outpatient billing module allows healthcare providers to generate bills for services provided to patients who are not admitted to the hospital. This module tracks services provided, generates accurate bills, and reduces errors while ensuring smooth integration with insurance claims, copayments, and scheme-based billing. The major features are:

1. Service Billing: Supports billing for test items, diagnostics, and other hospital services.

2. Custom Discounts during billing: Invoice Level and Item-level discounts in percentage or absolute value.
3. Membership and Scheme Discounts:
    a. Creation and Management of Custom Schemes and Price Categories for custom discounts to hospital service items
    b. Membership and Scheme selection mandatory at the time of billing and discounts are applied automatically based on scheme/price category settings.
4. Insurance Billing and Claim Management Integration: HMIS facilitates insurance billing for accurate submission and tracking of billing claims
    a. During Insurance Billing, HMIS facilitates seamless integration with insurance providers for claim submission via API.
    b. Supports handling of copay, coinsurance, and out-of-pocket insurance schemes
5. Insurance Coverage Management:
    a. Ability to manage shared-based or credit-limit insurance schemes, ensuring that patient coverage is accurately reflected during billing.
6. Payment Flexibility:
    a. Record payment by payment mode (e.g., cash, credit, other).
    b. Handle zero-price item billing: For the user the payment price is zero. In the system the total price is recorded as credit for later settlement.
7. Health Package Billing: Enables creation, management and billing of custom health packages
8. Patient Registration via Billing Counter: Allows direct registration of walk-in patients during the billing process.

2.2 In-patient Billing:

The In-patient billing module handles billing for admitted patients, tracking all hospital services and expenses incurred during their stay. It tracks services provided, medications, laboratory tests, and other procedures, and calculates the associated costs. The major features are:

1. Deposit Management: Provision to add patient deposits, and deduct bills from the deposit balance.
2. Provisional Billing: Provisional Billing for services used during admission.
3. Partial Payments and Estimates
    a. Partial Clearance Feature: Supports Partial Payments before discharge
    b. Estimation Bills can be generated, with restricted editing authority for authorized personnel only.
4. Billing History**:** Detailed billing history for inpatients including provisional, deposits and other items billings during the stay

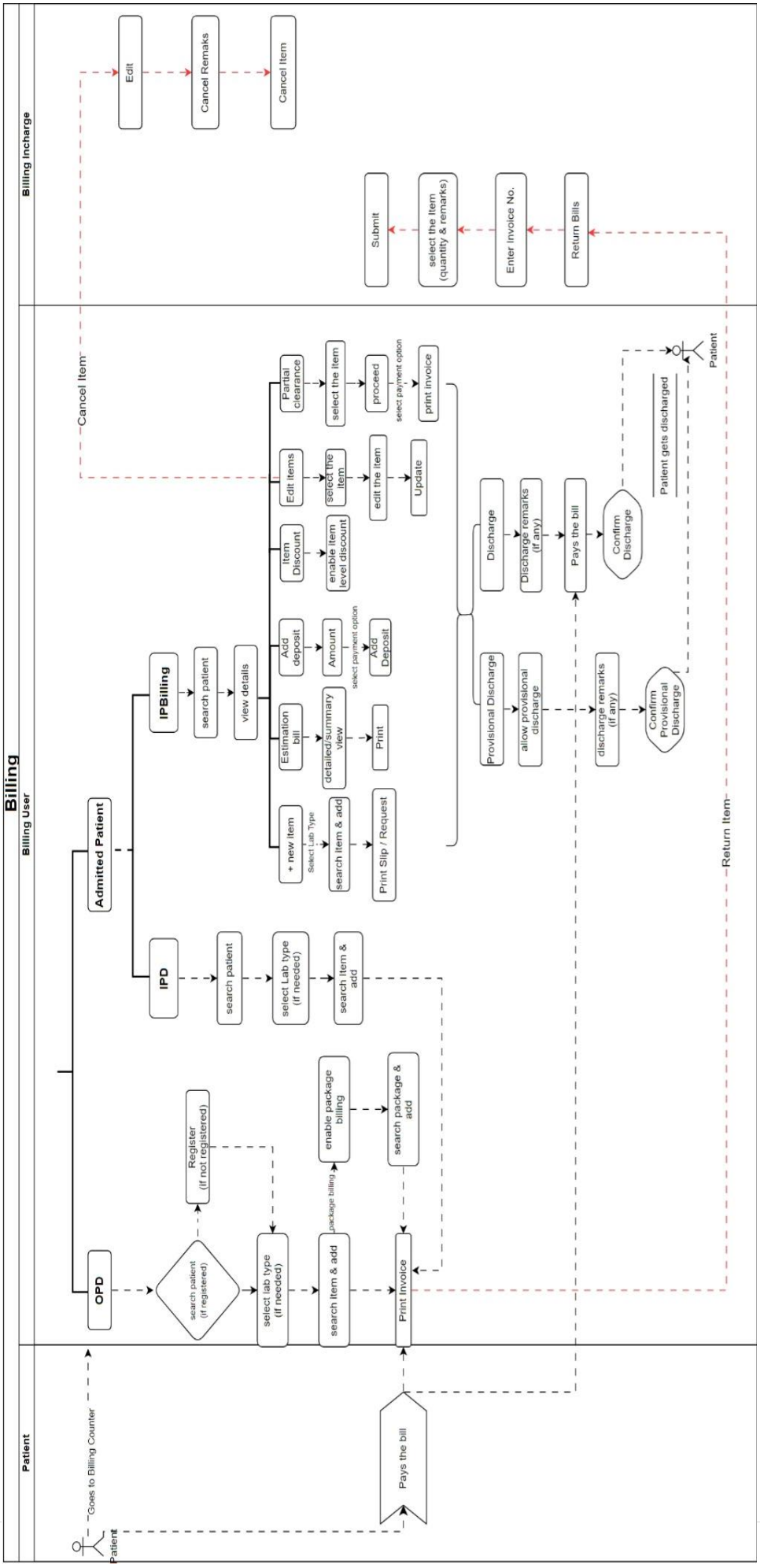
5. Bill Returns:
    a. Cancel or return provisional bills as needed; with restricted editing authority.
    b. Post-invoice adjustments through returns: Cancellation is applicable only for Provisional items, but if the invoice is already generated, then that bill has to be returned.
6. Referral and Service Records: Tracks referring doctors, prescribers, and performers for services used.
7. Insurance Billing and Claim Management Integration: HMIS Facilitates insurance billing for accurate submission and tracking of inpatient billing claims.
    a. HMIS facilitates seamless integration with insurance providers for claim submission via API.
    b. Supports handling of co-pay, coinsurance, and out-of-pocket insurance schemes.
8. Discharge Billing: Ensures smooth financial closure at the time of patient discharge, minimizing delays and errors.
    a. Final Bill Generation: Automatically consolidates all patient expenses for final discharge.
    b. Provisional Discharge: Supports Provisional Discharge for Bed Release Scenarios

2.3. Additional Billing Features:

1. Credit Settlement: Supports Credit Settlements for credit billings including partial credit bill settlement in the invoice level.

2. Duplicate Receipts: Supports reprinting of invoices or receipts as needed (Deposit receipt, settlement receipts, deposit settlement receipts and provisional receipts)

2.4. Billing Workflow


Billing
Patient
Billing User
Billing Incharge
Goes to Billing Counter
Patient
OPD
search patient (if registered)
Register (if not registered)
select lab type (if needed)
search item & add
enable package billing
package billing
search package & add
Print Invoice
Pays the bill
Admitted Patient
IPD
search patient
select Lab type (if needed)
search item & add
IPBilling
search patient
view details
+ new item
Select Lab Type
search item & add
Print Slip / Request
Estimation bill
detailed/summary view
Print
Add deposit
Amount
select payment option
Add Deposit
Item Discount
enable item level discount
Edit Items
select the item
edit the item
Update
Partial clearance
select the item
proceed
select payment option
print invoice
Cancel Item
Provisional Discharge
allow provisional discharge
discharge remarks (if any)
Confirm Provisional Discharge
Discharge
Discharge remarks (if any)
Pays the bill
Confirm Discharge
Patient gets discharged
Patient
Return Item
Edit
Cancel Remaks
Cancel Item
Submit
select the item (quantity & remarks)
Enter Invoice No.
Return Bills

3. Patient Admission, Discharge and Transfer (ADT)

The ADT module ensures smooth management of patient admissions, discharges, and transfers within the hospital. It streamlines the process of bed allocation, patient movement, and discharge formalities, helping healthcare providers deliver efficient care.

Key Features

- Bed Management:
  - Real-time view of bed status, including total, occupied, and vacant beds.
  - Supports bed reservations for planned admissions.
- Patient Admission:
  - Admit patients directly from the outpatient list.
  - A unique In-Patient (IP) number is admitted to every admitted patient.
  - Capture admission details such as admitting doctor, department, and ward.
- Deposit Management:
  - Collect deposits during admission and allocate them to patient billing.
  - Generate deposit receipts and manage deposit adjustments.
- Transfer Management:
  - Supports intra-ward and inter-ward patient transfers.
  - Maintain transfer history for reporting purposes.
- Billing and History:
  - Link patient admissions to billing for seamless billing centralization.
  - Display detailed billing history during patient stay for easy reference.
- Discharge List Management:
  - Maintain records of Discharged Patient List with provision for discharge slip and referral letter

4. Laboratory Management System

The Laboratory module in HIMS streamlines the entire laboratory workflow, through efficient management of patient test requests, specimen handling, report generation, and integration with other hospital modules. The primary goal of the module is to improve the accuracy, speed, and accessibility of laboratory services while providing a safe and secure platform for patient report storage.

Key Features:

1. Requisition Management:
   a. View and manage lists of tests to be performed, along with sample collection details.

   b. Allow the initiation of lab test requests from Laboratory Module itself with integration into the billing module
   c. Integrate with outpatient, inpatient, and emergency modules to receive and manage patient test requests.
2. Test Results:
   a. Category-Specific Test Results: Facilitate accurate entry of test results based on categories such as Hematology, Biochemistry, Serology, and more.
   b. Abnormal Result Highlighting: Automatically highlight abnormal results to ensure quick attention from healthcare professionals.
   c. Report Review and Verification:
      i. Report verification mechanism using a maker-checker workflow.
      ii. Permission based display of reports so that only relevant reports are visible to concerned users
   d. Automated Signatories: Automated Inclusion of verifier Signatures in reports
   e. Track Report progress:
      i. Track report progress, including details of completed, pending, or verification-awaiting tests.
      ii. Provision to track reports assigned for External Labs and manage them
3. Report Dispatching: Efficiently dispatch reports by merging finalized reports from sub-laboratories
4. Notification:
   a. Email/SMS Notifications: Notify patients via email or SMS when reports are finalized. SMS integration needs to be customized as per the specified vendor
   b. Report Upload to Google Drive: Automatically upload finalized reports to Google Drive, allowing patients to access their reports through a secure notification link.
   c. Patient Portal Access: Upload reports to the Patient Portal, allowing patients to view and download their reports at their convenience.
5. Lab Settings and Lab Test Catalog:
   a. Provides flexible options to customize laboratory settings, including creating dynamic test templates, lab components, and lab tests
   b. Flexibility to add and maintain multiple test ranges for each lab test.

5. Pharmacy Management System

The pharmacy module in HIMS oversees the hospital's medication procurement, dispensing, and inventory management. The module helps in reducing medication errors, maintaining optimal stock levels, and ensuring that the hospital has the necessary medications.

5.1. Inventory Management

1. Stock Management: View and manage medicine stock as per generic name, specific name, quantity, expiry date, batch number, MRP, and narcotic classification.
2. Order Placement Management:
    a. Purchase Order Management: Create purchase order for drug orders. Purchase Order can be verified from higher authority before validated – maker and checker.
    b. Good Receipt: Create and manage goods receipts for drug orders, entering details like expiry date, batch number, MRP, and rate.
3. Returns to Supplier: Provision to return damaged or expired items to the supplier.
4. Direct Dispatch to Dispensary: Dispatch drugs directly to the dispensary for use.
5. Stock View by Dispensary: Manage and view stock levels within individual dispensaries

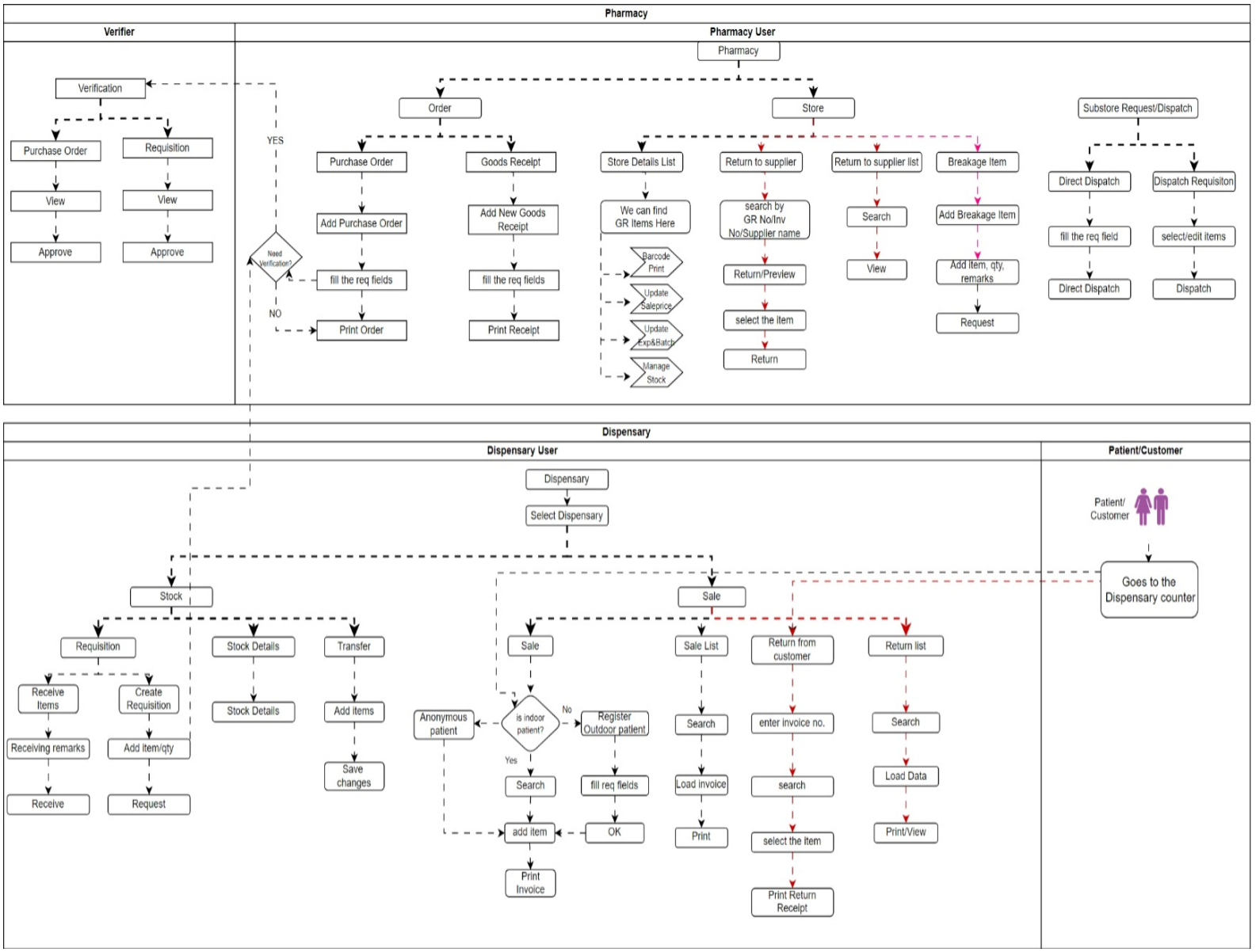
5.2. Drug Ordering

1. Drug Orders: Place orders for drugs based on stock requirements using Good Receipts.
2. Drug Requisitions: View and manage drug requisitions from dispensaries, with options to complete, partially fulfill, or reject the request.
3. Dispensary Transfers: Approve and manage drug transfers between dispensaries.

5.3. Dispensary and Sales Management:

The module aids in the hospital's medical supplies dispensing process by issuing supplies to patients, tracking inventory levels, and managing expiration dates.

1. Dispensary Creation: Allow creation of multiple dispensaries as needed
2. Drug Requests: Ability for dispensaries to request drugs from the pharmacy
3. Transfer Between Dispensaries: Initiate drug transfers between dispensaries.
4. Visibility of stock level for individual dispensary with warnings for low stock quantity and expired item.
5. Sales and Transactions
    a. Patient Sales:
        i. View a list of registered patients and process drug sales. Sales can also be made to anonymous patients
        ii. Provision of insurance billing for insurance patients with seamless integration with insurance providers for claim submission via API.
        iii. Prescription Sales: Sale Prescribed Medicines directly from prescription list with feature for partial sales



b. Narcotics Sales: For narcotic drugs, patient and doctor details are mandatory. The invoice will also include the doctor's NMC number.

c. Drug Returns: Manage the return of sold drugs from patients.

6. Inventory, Sub Store & Procurement Management System

This module streamlines procurement, inventory management, and substore operations, ensuring efficient control of goods, tracking of inventory levels, and timely supply chain management within the organization. It includes features for handling purchases, stock management, goods receipt, internal transfers, and a robust process for vendor management and stock requisitioning.

6.1. Procurement

The procurement module manages the hospital's procurement process, including vendor management, purchase orders, and financial management.

1. Purchase Order Management: Create and manage purchase orders to awarded vendors. Multiple verification level to achieve maker – checker information system.
2. Goods Arrival Notification:
    a. Goods Receipt Management: Handle complete and partial goods receipts within the same fiscal year with dynamic verification levels
    b. Draft Feature for easier order management
    c. Creation of Good Receipts Arrival directly from Purchase Order
3. Purchase Request Management: Display and manage purchase requests received from the inventory.
4. Dispatch to Inventory: Efficiently dispatch received goods to the inventory store.
5. Credit Note Creation: Create credit notes for returning damaged goods to the supplier.
6. Other Charges: Record additional charges during the procurement process.
7. Quotation Management: Create and manage quotations, select vendors, and award orders based on quotes.
8. Compliance Management: Handle custom rules for procurement compliance.

6.2. Inventory

The inventory module in HIMS tracks the hospital's inventory levels and helps in managing the inventory of medical supplies, equipment, and other consumables

1. Purchase Request to Procurement: Initiate purchase requests with requested quantities.
2. Goods Requisition & Dispatch: Receive goods requisitions from sub-stores and dispatch goods from inventory (complete, partial, cancel, or withdraw).
3. Direct Dispatch to Substores: Dispatch goods directly from the inventory to sub-stores.
4. Stock Management: Track stock by expiry date, batch number, and available quantities. Receive alerts for minimum stock levels and expiring goods.

5. FIFO Management: Implement First-In-First-Out (FIFO) management for inventory handling.
6. Write-off Items Management: Record and manage write-offs for damaged or expired stock, both from sub-stores and the inventory.
7. Return to Supplier: Process returns of damaged goods from the inventory back to the supplier.

6.3. Sub Store

The Sub Store Module is required for the efficient management of supplies and equipment within the hospital. It ensures that there are adequate supplies available at all times and manages the stock.

1. Item Requests: Request items from the main inventory. Multiple verification level to achieve maker – checker information system.
2. Request Status Tracking: Track the status of requested items (partial dispatch, dispatched, or canceled) and manage their receipt.
3. Stock Management: Maintain sub store stock based on available quantity, expiry date, and batch number.
4. Return to Main Store: Return unused or excess items to the main inventory store.
5. Internal Consumption: Track and manage internal consumption of items within the sub store.

7. Integrated Accounting Management System

The Integrated Accounting Module is designed to streamline and manage the financial operations of a hospital, offering tools for maintaining individual accounts for multiple hospital entities. This module ensures accurate financial tracking, streamlined accounting processes, with centralized integration of financial related modules like billing, pharmacy, and inventory, and incentive.

Key Features:

a. Manual Voucher Creation: Create and manage manual vouchers for various accounting transactions.
b. Transaction Posting: Automatically post billing, pharmacy, and inventory transactions to the accounting system.
c. Fiscal Year Management: Open and close fiscal years, ensuring smooth financial transitions between periods.

d. Transaction Reversal: Reverse transactions for incorrect entries (authority-based, with documentation required for approval in critical cases).
e. Ledger and Account Management: Add, activate, or deactivate ledgers, ledger groups, sub-ledgers, chart of accounts, and vouchers.
f. Manage vouchers and voucher heads to organize financial transactions.
g. Reporting and Analytics: Generate comprehensive financial reports including:
    - Bank Reconciliation
    - Daily Transaction Report
    - Ledger Reports
    - Voucher Reports
    - Trial Balance
    - Profit and Loss Statements
    - Balance Sheet
    - Cash Flow Statements
    - System Audit Report

8. Dr. Fraction Management System (Dynamic)

Doctor Fraction Management Module in HIMS deals with calculating and managing incentives for hospital staff, such as doctors, nurses, and administrative staff. This module enables hospitals to define, track, and calculate performance-based incentives with the aim to motivate staff and improve their performance, resulting in better patient care and satisfaction.

Key Features:

a. Employee-Specific Fraction Configuration: Define and configure incentive profiles based on individual staff
b. Payment Management & Account Integration: Manage payments and integrate hospital accounts for accurate and timely compensation.
c. Automated or Manual Fraction Distribution: Choose between automated setups or manual distribution of fractions, providing flexibility in incentive calculations.
d. Fraction Reports based on Performer, Prescriber and Referrer percentages/amount
e. Multi-Level Fraction Capture

9. Patient Online Appointment System (Web Based):

The Patient Online Appointment System is a secure, web-based platform that operates as an integral component of the HMIS, specifically designed for patient use. Using the platform, patients can register themselves to the system at the comfort of their home, search for available doctors, and make appointments on timing required. The key features are:

1. Patient Registration: Secure and easy registration process for patients to create an account.
2. Appointment Scheduling and Management: Allows patients to schedule appointments based on doctor availability.
3. Appointment Booking History: View and track previous and upcoming appointments and get automated reminders for upcoming appointments.
4. Family Appointment Booking: Ability to book appointments for family members
5. Integration with HMIS for unified Patient Flow and Data
6. Doctor Management and Appointment Scheduling Management for Admins

10.Patient Management Module

Patient Management Module in HIMS allows healthcare providers to efficiently track and manage patient details, ensuring that all relevant data is easily accessible for medical and administrative purposes. It enables the addition, updating, and storage of crucial patient information, streamlining workflows and improving the overall patient experience.

Key Features:

- Patient Registration and Overview: View the complete list of registered patients within the system, providing quick access to all patient records.
- Patient Information Management: Add and update essential patient details, including:
    - Basic Information (Name, Date of Birth, Gender)
    - Ethnicity and multiple addresses
    - Guarantor and Emergency Contact (KIN)
    - Insurance details for streamlined billing and coverage tracking
    - Patient Photo Management: Upload or update a patient's photo for easy identification.
- Document Upload: Safely upload and store important patient documents (e.g., medical records, insurance cards)
- Health Card:
    - Provision of Health Card that syncs with the HIMS for real-time patient data access.

- Retainment of Patient Membership Detail to reduce paperwork and repetitive information requests during each visit.

Danphe HIMS Advance Modules

1.Emergency Management System

The Emergency Module of the HIMS is designed to streamline the registration and management of emergency cases and patients, enhancing efficiency and patient-centric care. By optimizing workflows for registration, triage, diagnostics, treatment, and discharge, the module reduces wait times and ensures accurate prioritization of care. Integration with lab, radiology, and billing systems facilitates seamless operations and integrated care.

Key Features:

1. Patient Registration: Register new patients with essential details or select existing patients.
2. Quick Registration: Faster and Convenient intake for critical cases. Quick registration with placeholder IDs for unidentified patients, allowing later updates with verified details.
3. Triage Management:
    a. Triage process based on standard protocols
    b. Assess and record patient severity as Death, Critical, Moderate, or Mild.
    c. Automatic color-coded categorization for patient severity.
4. Patient Tracking and Movement:
    a. Real-time patient tracking within the Emergency Department (Triaged/Finalized)
    b. Record and update patient vitals with provisions to update consent documents
5. Outcome Management: Record and categorize patient outcomes (LAMA, Transferred, Discharged, Death, Admitted, DOR) and display finalized patient lists.
6. Bed Management: Provide real-time bed availability and assign beds for admitted patients.
7. Order Management: Direct order placement for lab tests and radiological exams with real-time status updates for ordered tests.

2. Nursing Management System

The Nursing Module focuses on managing patient care during hospital stays, including assessments, medication administration, and overall care coordination. Its purpose is to ensure high-quality care and improve patient outcomes through accurate medical records.

Key Features:

1. Inpatient List Management: View a real-time list of admitted patients in the nurse's assigned ward.
2. Order Management: Direct order placement for lab tests and radiological exams with real-time status updates for ordered tests.
3. Nursing Notes: Add and review notes specific to patient care and observations.
4. Laboratory and Diagnostic Reports: Access patient-specific lab results and imaging reports; accompanied by vitals charts for trend monitoring.
5. Transfer Management: Manage patient transfers with real-time bed availability.
6. Outpatient Management:
    a. Management of outpatient visits, assistance in diagnostic orders and medication administration
    b. Triage Management: Categorize outpatients based on the severity of their condition for prioritized care
7. Bed Status Visibility: Real-time view of bed status, including total, occupied, and vacant beds on each ward
8. Favorites: Allow users to favorite critical patients for quick access and prioritization in care delivery
9. Consumption: Can record internal patient consumption and manage them
10. Treatment Cardex: Maintain treatment cardex plan and maintain records of dosage administration

3. Outpatient Clinical Information System

The Outpatient Clinical Information Module in the EMR system is designed to streamline outpatient workflows by integrating patient data management, clinical decision support, and reporting. It enables healthcare providers, including doctors and nurses, to efficiently capture, track, and analyze patient visit information for centralized and accurate record-keeping and enhancing care delivery and operational efficiency.

3.1 Nursing Workflow:

1. Outpatient List: Display a real-time list of outpatients categorized by department and appointment type.

2. Clinical Data Entry: Record and update patient vitals, symptoms, and chief complaints during visits.
3. Lab Report Access: View laboratory and radiology reports alongside vitals for comprehensive patient monitoring.
4. Clinical Notes: Add and view clinical notes to document nursing assessments and interventions.
5. Configurable Workflows: Customize clinical fields and nursing assessment templates to adapt to specific requirements.

3.2 Doctor Workflow

1. Patient Visibility and Overview:
    a. Display a real-time list of outpatients assigned to the Doctor or associated department
    b. Provide a centralized view of patient records, including demographics, clinical history, allergies and previous visits.
2. Patient Clinical History:
    a. View previous visit details to reference patient clinical history and making informed medical decisions
    b. Export previous visit details in printable formats.
3. Clinical Notes:
    a. View and Export current and previous visit details in printable format with desired formatting and sequences
4. Visit/Consultation Record: Capture and Record Patient Consultation Details including Patient Vitals, Symptoms, Chief Complaints and treatment plan using rich text editor
5. Lab and Radiology Reports: Access lab and radiology results for diagnostic and treatment decisions.
6. Prescription Request:
    a. Create Medical Prescriptions for Patient with integration with Pharmacy for stock details
    b. Prescriptions are directly reflected in Dispensary module for direct sales

4. In Patient Clinical Information System

The In-Patient Clinical Information System aims to manage and document all aspects of patient care during hospital stays. By facilitating dynamic data entry, customizable assessments, and automated workflows, the module empowers healthcare providers to deliver personalized patient care while optimizing resource utilization within the hospital.

4.1 Nursing Workflow:

1. Inpatient List Management: View a real-time list of admitted patients in the nurse's assigned ward.
2. In Patient Assessment: Capture and record essential assessment details:
    a. Vital Signs Monitoring
    b. Intake and Output Record: Document fluid intake (oral, IV) and output (urine, drains, etc.) for patient hydration and electrolyte balance management.
    c. Blood Sugar Monitoring: Record and monitor blood glucose levels for diabetic and critical care patients
    d. Nurse's Daily Record
    e. Allergy History
3. Lab and Radiology Report Visibility: View lab investigation and radiology results of patient
4. Medication Administration:
    a. View and Manage treatment plan with medication schedules prescribed by doctors
    b. Maintain medicine administration with provision of dosage tracking history.

4.2 Doctor Workflow:

1. Patient Visibility: Display a real-time list of inpatients assigned to the Doctor or doctor's department
2. Patient Visit Overview: Provide a centralized view of inpatients clinical details, diagnostics and assessments including,
    - Vitals
    - Intake and Output Record
    - Blood Sugar Monitoring
    - TPR (Temperature, Pulse, Respiration) Graph: View and Analyze Patient Vitals Trends with intuitive graphs
    - Consultation Requests: Ability to create consultation requests to other doctors with consultation details and respond to them
3. Clinical Data Entry:
    - Record detailed clinical notes, observations and plan
    - Provision of Quick Phrases, where clinical templates can be maintained in required format and later load with shortcut keys for convenient clinical data entry
4. Prescription Management: Create and manage medicine prescriptions (Normal and Discharge) for patient with integration with Pharmacy for stock details
5. Order Management and Report visibility: Direct order placement for lab tests and radiological exams with real-time visibility of finalized reports

6. Clinical Preview: Ability to view patient previous visit history and print them
7. Dynamic Clinical Forms: Create and print clinical notes and forms in desired structures to meet documentation needs.
8. Configurable Workflows:
    - Customize clinical fields and assessment templates to adapt to specific requirements.
    - Provision to create customize clinical fields with input type options for Rich Text Editor, Single/Multiple Selection, Numbers, Canvas and Questionnaire

5.Radiology Management System

The Radiology Management Module in HMIS is designed to streamline and manage radiology workflow from test requests to result delivery. This module ensures seamless scheduling, billing, reporting, and storage of radiology images and results.

Key Features:

1. Test Request Management: View and track radiology requests from OPD, IPD, and Emergency modules
   Report Management:
    a. Facilitate report generation using one or multiple pre-maintained templates
    b. Bulk Report addition mechanism for similar patient requisitions
2. Track Report progress: Track report progress, including details of scan pending, scan done, or finalization awaiting tests.
3. Capture and track details of the prescriber, reporter, and referrals for each test
4. Billing Integration: Automate the initiation of radiology test requests with integration into the billing module
5. Report Template Management: Create and maintain report templates with structured findings

6. Operation Theatre Management (OT)

OT Management Module in HIMS that deals with scheduling, managing, and documenting surgical procedures in hospitals. It includes features such as scheduling OT procedures, managing surgical teams, and ensuring the availability of necessary resources. The purpose of OT management is to optimize the utilization of operation theatres, reduce wait times for patients, and ensure timely and efficient surgical procedures.

Key Features:

1. Surgical Scheduling:

   a. Plan and schedule surgeries with details of diagnosis (ICD-11), surgery types, and procedures.
   b. Track OT availability and prioritize based on urgency or patient condition.
2. Track OT Progress:
   a. Monitor and update the status of OT surgeries in real time, tracking progress through stages such as Booked, Scheduled, In Progress, Concluded, and Cancelled.
3. Resource Allocation and Management:
   a. Assign and allocate necessary surgical team members, including surgeons, anesthetists, and support staff, based on surgery requirements.
   b. Document surgical instruments, machines, and OT supplies.
4. OT Checklist Management
   a. Create and maintain customizable checklists tailored to each type of surgery
   b. Document and update checklists to include patient consent, diagnostics and preparatory steps

7.Assets Management System

The assets management module in HIMS is used to manage and track the fixed assets of the hospital, including equipment, furniture, and other assets. It includes features such as asset tracking, maintenance schedules, depreciation calculations, and disposal of assets. The purpose of fixed assets management is to ensure that hospital assets are well maintained and used optimally, reducing the need for frequent replacement and saving costs.

Key Features:

1. Fixed Assets Registry to maintain a detailed record of all fixed assets
2. Barcode Generation: Generate barcodes for assets directly from the system, with options to print and label physical assets
3. Capture and update detailed asset information, including serial numbers, specifications, location, ownership details, insurance details and contract management
4. Track maintenance schedules and service history for each asset, ensuring timely servicing and documenting any repairs or upgrades.

8.Medical Record Management System

The Medical Record Management System aims to centralize and digitize the handling of patient medical records, ensuring accurate and standardized documentation. It aims to enhance clinical efficiency, support better patient outcomes guaranteeing reliable and compliant medical documentation and reporting.

Key Features:

1. Patient Record Creation and Management
    a. Capture and maintain comprehensive medical records for each patient visits (OP, IP and ER)
    b. Required input are captured by adhering to industry standards for medical records, such as ICD-11 for diagnoses
2. Birth and Death Certificate Management
3. Integrate with other HMIS modules (e.g. OT, Clinical, Billing) to seamlessly update and pull patient data across departments.
4. Reports Generated in Standard Formats:
    a. Hospital service summary report
    b. Inpatient service report
    c. Lab service report
    d. Outpatient Morbidity report
    e. Inpatient morbidity report

9.Medical Discharge Summary System

The Discharge Summary Module is designed to facilitate the creation, maintenance, and printing of detailed and accurate discharge summaries for inpatients. The module ensures compliance with healthcare standards, supports customizable templates, and customizable fields to seamlessly integrate with hospital workflows.

Key Features:

1. **Discharge Summary Creation**
    a. Auto-Fetch Patient Details: Demographics, admission details, ward, and doctor information.
    b. Clinical Data Summary: Diagnosis (ICD-10/11 codes), procedures, treatments, and progress notes.
    c. Prescriptions & Instructions: Medications, dosage, lifestyle advice, follow-up schedules, and emergency guidance.
2. Maintenance and Workflow
    a. Discharge Summary Draft Management: Save, review, and update summary details before finalization
3. Customizable Templates
    a. Create and maintain multiple discharge summaries to meet specific requirements of departments
    b. Configurable fields and formatting to suit hospital-specific needs; More than 50 input fields to configure from.
4. Printing Format: Supports printing of summary in desired hospital formats

10. Managerial Reporting with Dashboard

The Managerial Reports and Dashboards Module in an HMIS provides real-time, data-driven insights for administrators to monitor hospital operations and analyze trends. The module consolidates information from various departments into intuitive dashboards and detailed reports, enhancing operational transparency.

Key Features:

1. Billing Reports
    a. Revenue Summary: Daily, monthly, and yearly income by department, service type, or payment mode.
    b. Sales Reports: Item-wise, department-wise, and patient-wise billing sales with summary and detailed views.
    c. Outstanding Payments: Unpaid bills and overdue collections.
    d. Service Utilization: Report on high-revenue-generating services and underutilized services.
    e. Return Transactions: Display negative values for refunds and cancellations for clarity.
    f. User Collections: Cashier-wise collection reports for audit
    g. Copayment Analysis: Detailed copayment breakdown by schemes or insurance providers for claim related transactions
2. Pharmacy Reports
    a. Sales Reports: Item-wise, department-wise, and patient-wise pharmacy sales with summary and detailed views.
    b. Stock Movement: Inward, outward, and stock consumption details for pharmacy inventory.
    c. Expiry Tracking: Report on medicines nearing expiry to reduce wastage.
    d. Provisional Sales: Summary and patient-wise details of pending pharmacy invoices.
3. Admission, Discharge, and Transfer (ADT) Reports
    a. Admission Statistics: Reports by department, admission type (admission, discharge, transfer) and patient demographics.
    b. Transfer Trends: Patient transfer details between wards or beds
4. Inventory Management Reports
    a. Stock Status: Real-time inventory levels, reorder color alerts, and minimum stock thresholds.
    b. Consumption Reports: Department and item-wise consumption analysis.
    c. Purchase Order Reports: Status and history of purchase orders with vendor details.

5. Executive Dashboards:
    a. Widgets, Graphs and Bar Charts: Configurable dashboard components for module-specific metrics and visibility.
6. General Features:
    a. Export Options: Reports in multiple formats (PDF, Excel)
    b. Role-Based Access: Secure access based on user roles and responsibilities.