

HMIS

Hospital Management Information System



Where is HMIS Helpful?
What are its Advance Features?

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Text Free

1. We make a technique for data input which is Text free (Without typing) Only Click with mouse.
2. Patient History is Clickable Only have to write Presenting Complaint.
3. Patient Evaluation / Clinical is total Clickable but if you want to write some special, can do it.
4. Procedure Notes are Also Built-in.
5. Built in default reports for Pathologist, Radiologist, Endoscopy, Bronchoscopy etc.
6. Define your Main System, sub system and Diagnosis for any department which also clickable.
7. Built in CT Scan, MRI, X-Ray and Ultra Sound Report.

And Many More



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Audit Base

It is helpful for audit report by department.
 Manually we can not maintain accurate audit report.
 HMIS provide different pattern for audit like.

1. Annual Audit report by system for a department like GIT, CVS (System).
2. Annual Audit report by sub system for department like Liver (Sub System).
3. Annual audit report by disease for department like disease (Hepatitis C, B).
4. Audit Report by Surgeon with time Frame
5. Audit report by Procedure with time frame
6. Audit by Patient DVT
7. Audit by Doctor Performance
8. Audit by Unit Performance
9. Audit by Output

And Many More

HOLY FAMILY HOSPITAL,RAWALPINDI									
SURGICAL UNIT II									
SYSTEM WISE DETAILS FOR 2008									
Months	UROLOGY	GIT	GIT	TRAUMA	NECK	LIMBS	MISC	THORAX	HEAD
January	18	66	69	37	6	36	13		1
February	11	52	63	24	4	10	10		4
March	26	88	51	32	11	14	6		6
April									
May									
June									
July									
August									
September									
October									
November									
December									

HOLY FAMILY HOSPITAL,RAWALPINDI										
MEDICAL UNIT II										
SYSTEM WISE DETAILS FOR 2008										
Months	GIT	CVS	CNS	RESP	ENDO	RENAL	RHEUM	BLOOD	MISC	Total
January	56	35	22	29	9	9	1	3	15	178
February	59	18	21	21	8	7	2	2	13	151
March	53	22	11	28	14	11	1	4	24	169
April	50	9	25	21	21	6	2	3	32	169
May	41	14	12	10	11	5	1	1	22	117
June										
July										
August										
September										
October										
November										
December										
Grand Total	258	98	91	109	63	38	7	13	106	783

Research Base

Define Parameter for Research and Analysis

1. For research it support the SPSS for data Analysis.
2. You can export data for analysis with time frame and by disease.
3. Select Date from date to date and separated data Field for data analysis with SPSS.
4. It Provide the data in Text format and Excel sheet which support SPSS.

And Many More

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Teaching Technique

Teaching and Research Technique we carry,

1. We Have introduce a new technique "Virtual Round" for teaching purpose.
2. It Help the PG. Trainee to search the Case from HMIS for specific Topic / Presentation.
3. It Help the House Officer to Study the different patient cases by Diagnosis and By Procedure.
4. It automatic built the Logbook for PG. Trainee
5. It maintain the House Officer and PG. Trainee Profile for time Being.



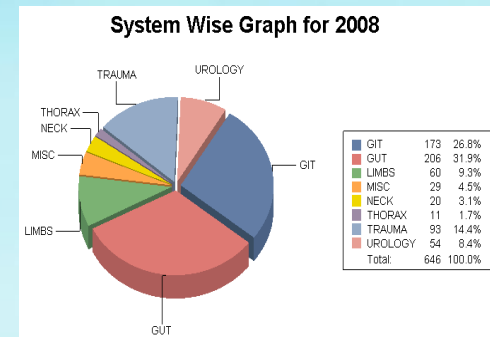
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Graphical View

We make Data representation with graph bar chart or pie chart

1. Audit Report Can View Month & Yearly Bases.
2. System wise graph report Monthly or Yearly
3. Disease Wise Graphical Report monthly or Yearly.
4. By Surgery or by Procedure graphical Report Monthly or Yearly.
5. Death or Expiry Graphical Report Monthly or Yearly.

And Many More



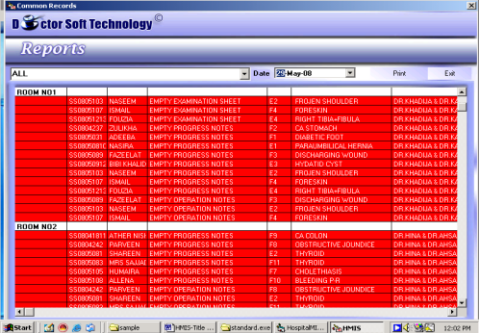
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Operational Performance

Make Work line (Patient Data like Patient History, Evaluation, Operation Notes who will input) according to designation and Department wise.

1. To make better Performance we assign PG. Trainee and House Officer room and Beds then system will tell you its performance.
2. View Empty Progress Notes.
3. View empty Operation Notes.
4. View Empty Patient Summary.
5. View Pending Lab Test.
6. View CMO Performance in ER.
7. View Patient in ER Department wise.
8. View Patient Data when Admit, which its diagnosis who is treatment him.
9. View Last Update Logbook Date.
10. View Last Update HO and MO Profile.

And Many More



The screenshot displays a software window titled "Reports" from "Doctor Soft Technology". It shows a list of patient records organized into two sections: "ROOM NO1" and "ROOM NO2". Each record includes a patient ID, name, designation, and department. The records are as follows:

Room No	Patient ID	Name	Designation	Department
ROOM NO1	SS000103	HAJEM	EMPTY EXAMINATION SHEET	E2 FROZEN SHOULDER DR KHAGUA & DR J
ROOM NO1	SS000105	SHAM	EMPTY EXAMINATION SHEET	P4 FROZEN DR KHAGUA & DR J
ROOM NO1	SS000125	FOLDA	EMPTY EXAMINATION SHEET	E4 RIGHT TIBIA/FIBULA DR KHAGUA & DR J
ROOM NO1	SS000427	SOUHAB	EMPTY PROGRESS NOTES	P2 CA STOMACH DR KHAGUA & DR J
ROOM NO1	SS000921	SOLEBA	EMPTY PROGRESS NOTES	P1 GABE TIC FOOT DR KHAGUA & DR J
ROOM NO1	SS000901	SADRA	EMPTY PROGRESS NOTES	E1 PATAHIBOLICAL BERNAL DR KHAGUA & DR J
ROOM NO1	SS000909	FACELLAT	EMPTY PROGRESS NOTES	P3 DISCHARGING WOUND DR KHAGUA & DR J
ROOM NO1	SS000903	BAIR KHALID	EMPTY PROGRESS NOTES	E3 INFILATED CYST DR KHAGUA & DR J
ROOM NO1	SS000103	HAJEM	EMPTY PROGRESS NOTES	E2 FROZEN SHOULDER DR KHAGUA & DR J
ROOM NO1	SS000107	SHAM	EMPTY PROGRESS NOTES	P4 FROZEN DR KHAGUA & DR J
ROOM NO1	SS000125	FOLDA	EMPTY PROGRESS NOTES	E4 RIGHT TIBIA/FIBULA DR KHAGUA & DR J
ROOM NO1	SS000909	FACELLAT	EMPTY OPERATION NOTES	P3 DISCHARGING WOUND DR KHAGUA & DR J
ROOM NO1	SS000103	HAJEM	EMPTY OPERATION NOTES	E2 FROZEN SHOULDER DR KHAGUA & DR J
ROOM NO1	SS000107	SHAM	EMPTY OPERATION NOTES	P4 FROZEN DR KHAGUA & DR J
ROOM NO2	SS000101	ATHER NIS	EMPTY PROGRESS NOTES	P9 CA COLON DR HINA & DR AHSA
ROOM NO2	SS000420	SHARVEN	EMPTY PROGRESS NOTES	P9 OBSTRUCTIVE JOINTICE DR HINA & DR AHSA
ROOM NO2	SS000001	SHARVEN	EMPTY PROGRESS NOTES	E2 THYROID DR HINA & DR AHSA
ROOM NO2	SS000003	MRS SAJAM	EMPTY PROGRESS NOTES	P11 THYROID DR HINA & DR AHSA
ROOM NO2	SS000100	SHARVEN	EMPTY PROGRESS NOTES	P7 CIRCLE BRIDGE DR HINA & DR AHSA
ROOM NO2	SS000100	ALLEHA	EMPTY PROGRESS NOTES	P10 BLEEDING PRT DR HINA & DR AHSA
ROOM NO2	SS000420	SHARVEN	EMPTY OPERATION NOTES	P9 OBSTRUCTIVE JOINTICE DR HINA & DR AHSA
ROOM NO2	SS000001	SHARVEN	EMPTY OPERATION NOTES	E2 THYROID DR HINA & DR AHSA
ROOM NO2	SS000003	MRS SAJAM	EMPTY OPERATION NOTES	P11 THYROID DR HINA & DR AHSA

Software Scope

- ◆ Security
- ◆ Standards
- ◆ Benefits
- ◆ ERP Base Solution
- ◆ Customizable Software According to Need

Software Security Level

- ◆ Organization Level
- ◆ Department Level
- ◆ Machine Level
- ◆ User Level

According To Standard

- ◆ Health Level 7
- ◆ IEEE
- ◆ ISCD 9 & 10 (International Standard Code For Diseases)
- ◆ DICOM (Partially Implemented)

Software Benefits / Features

- ◆ Research Base
- ◆ Audit Base
- ◆ Text Free (80% Clickable)
- ◆ Built in
 - ◆ Data, Reports, Patient Summary, History, Evaluation and More
- ◆ Graphical View
- ◆ Operation Performance
- ◆ WHO & Ministry Standards (Performa)

Customizable Software

- ◆ Software customize according to unit Protocol
 - ◆ HR
 - ◆ Designation
 - ◆ Workgroup
 - ◆ User
 - ◆ Built in Patient Management
 - ◆ Define Built in Evaluation/Clinical
 - ◆ Define Built in History
 - ◆ Define Built in Summary
 - ◆ Discharged Variable
 - ◆ Define Built in Procedure Notes
 - ◆ Auto Generate Profile Management
 - ◆ Auto Generate Log Book Management

Hospital Management Information System (HMIS)

Holy Family Hospital, Rawalpindi
File Reports Graph Search

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MENU

- Administration
- Medical Officer
- House Officer
- Theater
- Profile
- Staff
- Labs Test
- Aenesthesia
- Pharmacy
- User Control
- Store Inventory

NAVIGATOR

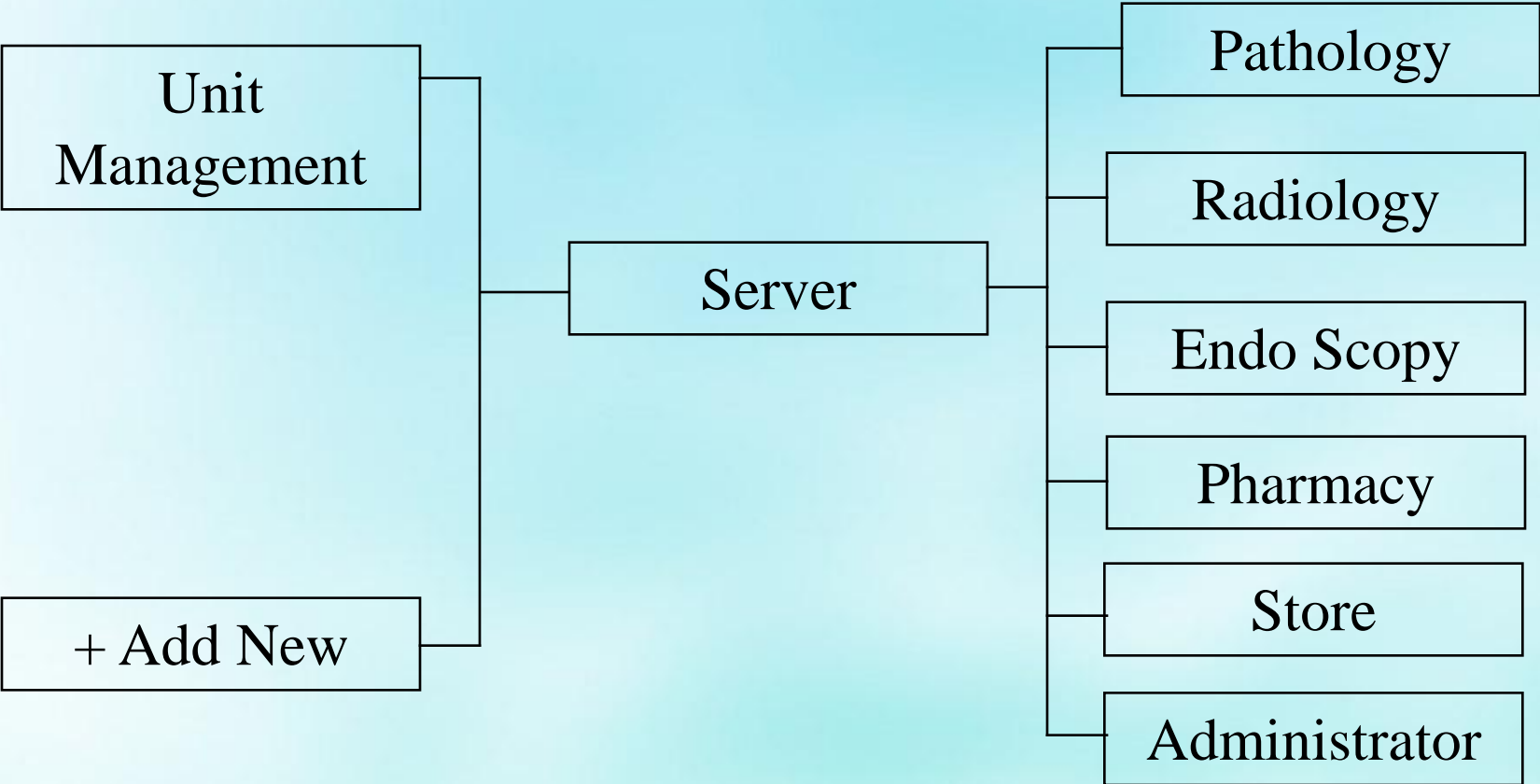
HMIS
Hospitality Solution

HMIS is state-of-the-art technology
ERP based solution for hospitals
Highly customizable to suit your hospital needs

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Integrated System Diagram



Project Section

- ◆ 1. Patient Management
- ◆ 2. Operation Theatre Management
- ◆ 3. Lab Management
- ◆ 4. Diagnose Procedure Management
- ◆ 5. Blood Bank Management
- ◆ 6. Administration / Management
 - ◆ **Inventory Management**
 - ◆ Pharmacy Management
 - ◆ Store Management
 - ◆ **HR Management**
 - ◆ Human Resource Management
 - ◆ **Finance Management**
 - ◆ Payroll Management
 - ◆ Finance Management
 - ◆ Accounts Management

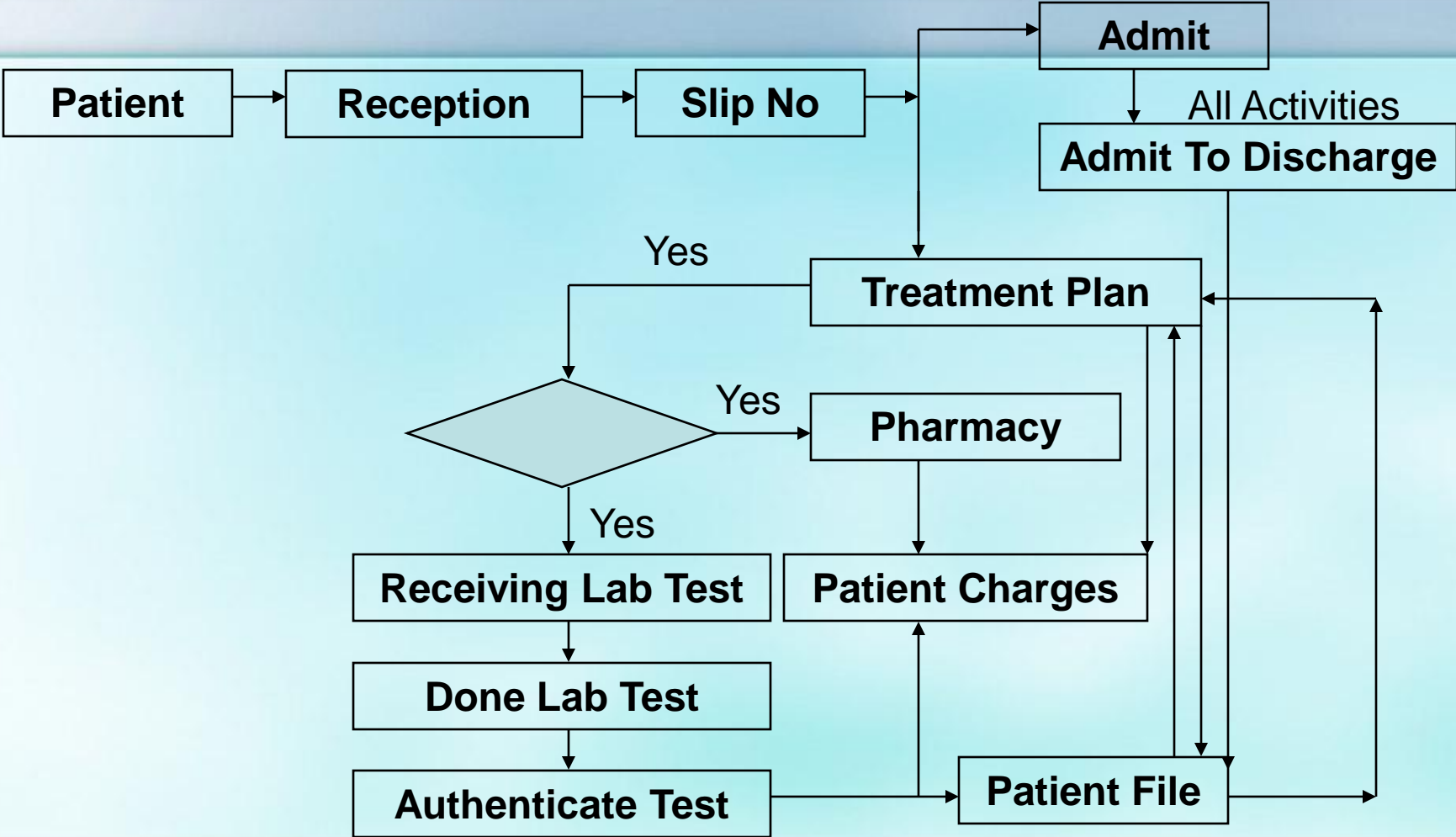
Project Section

- ◆ **Budget Management**
 - ◆ Budget Management
- ◆ **7. Protocol / Higher Management**
 - ◆ 1. Principle
 - ◆ 2. MS
 - ◆ 3. AMS
 - ◆ +Add New
- ◆ **User Management**

Section-1

Patient Management

1 Patient Management



- 1** Main Emergency
- 2** Gynae Emergency
- 3** Paeds Emergency
- 4** Medicine OPD
- 5** Surgery OPD
- 6** Nero OPD
- 7** EYE OPD
- 8** ENT OPD
- 9** Gynae OPD
- 10** Surgery Unit Management

11	Paeds
12	EYE
13	ENT
14	Nephrology
15	ICU
16	CCU
17	Medicine
18	Burn
19	Gynae & OBS
20	Anesthesia

1

Main Emergency

- ◆ HR Management
- ◆ User Management
- ◆ Emergency Reception Management
- ◆ CMO Treatment Management
- ◆ MLC Cases Management
- ◆ Emergency Operation Theatre Management
- ◆ Emergency Pharmacy Management
- ◆ Emergency Pathology Management
- ◆ Emergency Radiology Management
- ◆ Surgery Unit On Call Management
- ◆ Medicine Unit On Call Management
- ◆ Patient Status
 - ◆ Admitted, Discharge, Expired, Referred, LAMA, Referred to other Hospital

1

Main Emergency

- ◆ Performance Tuning
 - ◆ View CMO Block Patient
 - ◆ View Block Patient Unit Wise
 - ◆ View Data Entered By Data Operator
 - ◆ Examine Treatment Time B/W Department
 - ◆ View Pathology Reports
- ◆ Patient Audit By Emergency
- ◆ Patient Audit By Department

2

Gynae Emergency

- ◆ HR Management
- ◆ User Management
- ◆ Emergency Reception Management
- ◆ CMO Treatment Management
- ◆ MLC Cases Management
- ◆ Emergency Operation Theatre Management
- ◆ Emergency Pharmacy Management
- ◆ On Call Unit Call Management
- ◆ Patient Status
 - ◆ Admitted, Discharge, Expired, Referred, LAMA, Referred to other Hospitals

2

Gynae Emergency

- ◆ Performance Tuning
 - ◆ View CMO Black Patient
 - ◆ View Black Patient Unit Wise
 - ◆ View Data Entered By Data Operator
 - ◆ Examine Treatment Time B/W Department
 - ◆ View Pathology Reports
- ◆ Patient Audit By Emergency
- ◆ Patient Audit By Department

3

Paeds Emergency

- ◆ HR Management
- ◆ User Management
- ◆ Emergency Reception Management
- ◆ Emergency Operation Theatre Management
- ◆ Emergency Pharmacy Management
- ◆ On Call Unit Call Management
- ◆ Patient Status
 - ◆ Admitted, Discharge, Expired, Referred, LAMA, Referred to other Hospitals

3

Paeds Emergency

- ◆ Performance Tuning
 - ◆ View CMO Black Patient
 - ◆ View Black Patient Unit Wise
 - ◆ View Data Entered By Data Operator
 - ◆ Examine Treatment Time B/W Department
 - ◆ View Pathology Reports
- ◆ Patient Audit By Emergency
- ◆ Patient Audit By Department

4

OPD Management

- ◆ HR Management By OPD
- ◆ User Management
- ◆ OPD Reception Management
- ◆ Minor Procedure Management
- ◆ On Call Unit Call Management
- ◆ Patient Status
 - ◆ Admission
- ◆ Patient Audit By OPD

5

Department / Unit Management (Unit Wise Module)

- ◆ 1. HR Management By Unit
- ◆ 2. User Management
- ◆ 3. Reception Management
- ◆ 4. Staff Management
- ◆ 5. OPD Management By Unit
- ◆ 6. ER Management By Unit
- ◆ 7. Operation Performance Tuning
- ◆ 8. Pathology Management (Out Side)
- ◆ 9. Radiology Management (Out Side)
- ◆ 10. Diagnose Procedure Management (Out Side)
- ◆ 11. Cardiology Management (Out Side)
- ◆ 12. Profile Management By HO
- ◆ 13. Profile Management By MO

5

Department / Unit Management (Unit Wise Module)

- ◆ 14. Log Book Management
- ◆ 15. Blood Management By Unit
- ◆ 16. Statistical Management By Unit
- ◆ 17. Pharmacy Management By Unit
- ◆ 18. Research Management By Unit (Define Research Performa's)
- ◆ 19. Data Analysis Management By SPSS
- ◆ 20. Patient Ward Management
- ◆ 21. DVT Management
- ◆ 22. Consultancy Management
- ◆ 23. Operation Theatre Management By Unit
- ◆ 24. ER Post Call Management
- ◆ 25. Asset Management By Unit
- ◆ 26. Audit Management

6 Asset Management By Department

- ◆ Fixed room Inventory
- ◆ Define New Room Name
- ◆ Define Room Asset
- ◆ Define Room Inventory Status Working, Not Working And Quantity By Date
- ◆ Room Inquiry Report By Status

Section-2

**Operation Theatre
Management**

1	Surgery
2	EYE
3	ENT
4	Gynae
5	Main Emergency
6	Gynae Emergency
	+Add New

Section-3

Labs Management

1 Pathology Management

2 Radiology Management

3 Echocardiography Management

+Add New

1

Pathology Management

- ◆ Sample Receiving Reception Management
- ◆ Test Done By Department
- ◆ Test Report Authenticated
- ◆ View Pending Report
- ◆ Issue Patient report
- ◆ Pathologist Notes
- ◆ Labs Test By Labs
 1. Biochemistry
 2. Microbiology
 3. Hematology
 4. Histopathology
- ◆ Audit Report

2

Radiology Management

- ◆ Sample Receiving Reception Management
- ◆ Test Done By Department
- ◆ Test Report Authenticated
- ◆ View Pending Report
- ◆ Issue Patient report
- ◆ Radiologist Notes
- ◆ Lab Test By Labs
 1. X-Ray
 2. CT Scan
 3. MRI
 4. Ultra Sound
- ◆ Audit Report

3 Cardiology Management

- ◆ Patient Registration By OPD
- ◆ Call Receiving By Unit
- ◆ Test Report Authenticated
- ◆ View Pending Report
- ◆ Issue Patient report
- ◆ Cardiologist Notes
- ◆ Audit Report

Section-4

**Diagnose Procedure
Management**

1 **GI Centre Management**

+ Add New

1

Diagnose Procedure Management

- ◆ Reception Management
- ◆ Test Report Authenticated
- ◆ View Pending Report
- ◆ Issue Patient report
- ◆ Built In Reports
- ◆ Procedure Type
 1. Endoscopy
 2. Branchoscopy
 3. Colonoscopy
 4. Sigmiodoscopy
 5. ERCP+Add New
- ◆ Audit Report

Section-5

Blood Management

1

Blood Bank Management Management

- ◆ HR Management By Department
- ◆ User Management
- ◆ Patient Request Receiving
- ◆ Blood Stock Management
- ◆ Issue Blood
- ◆ Audit Report

Section-6

Administration Management

1 Human Resource Management

2 Payroll Management

3 Finance Management

4 Account Management

5 Budget Management

6 Fixed Asset Management

7 Pharmacy Management

8 Store Management

9 List Management

1

Human Resource Management

- ◆ Declaration of Sectioned Post
- ◆ Advertisement of Vacant Post
- ◆ Add New Employee Master Data
- ◆ Employee Joining with respect Department and Designation
- ◆ Employee Qualifications
- ◆ Define New Department
- ◆ Define New Allowances
- ◆ Define New Designation
- ◆ Employee Reports
- ◆ +Add New

2

Payroll Management

- ◆ Define Basic Salary Designation Wise
- ◆ Define Allowances By Post / By Personal
 - ◆ By Post /Grade Wise
 - ◆ By Person
- ◆ Deductions By Post / By Personal
 - ◆ By Post / Grade Wise
 - ◆ By Person
- ◆ Attendance Management
- ◆ Employee Pay Salary By Month
- ◆ Employee Pay Salary By Employee
- ◆ Employee Pay Salary By Designation
- ◆ Employee Advances
- ◆ Reports

3

Finance Management

- ◆ Gerenal Journal
- ◆ Chart Of Accounts
- ◆ Trading Account
- ◆ Balance Sheet
- ◆ Audit Reports

4

Accounts Management

- ◆ Opening Account
- ◆ Supplier Advances
- ◆ Payable Account
- ◆ Prepaid Expense
- ◆ Expense Occur
- ◆ Unearned Income
- ◆ Account Transfer

4

Accounts Management

- ◆ Loan Management
- ◆ Loan Payment
- ◆ Tax payable
- ◆ Direct Expense
- ◆ Indirect Expense
- ◆ Travels Allowance
- ◆ Bank Reconciliation
- ◆ Audit Reports

5

Budget Management

- ◆ Total Available Budget Current Year
- ◆ Define Budget
- ◆ Budget Division
- ◆ Budget Schedule
- ◆ Remaining Budget Information
- ◆ Budget Audit
- ◆ Audit Reports

6

Fixed Asset Management

- ◆ Add New Asset
- ◆ Define Asset Depreciation
- ◆ Asset List
- ◆ Audit Reports

7 Pharmacy Management

- ◆ Get Automatic Purchase Order Generator By Software
- ◆ Item Receiving / Bill Entered
- ◆ Item Return
- ◆ Add New Supplier
- ◆ Add New Item
- ◆ New Order List
- ◆ View Stock Report
- ◆ Stock Expiry Info
- ◆ Stock Expired Report
- ◆ Dose Issue
 1. Direct Pharmacy To Patient
 2. Indirect Pharmacy To Department
 3. Department To Patient
- ◆ Audit Report

8

Store Management

- ◆ Get Indent From Department
- ◆ Purchase Order Generator
- ◆ Item Receiving / Bill Entered
- ◆ Item Issue To Department
- ◆ Audit By Item Circle
- ◆ Item Return
- ◆ Add New Supplier
- ◆ Add New Item
- ◆ New Order List
- ◆ View Stock Report
- ◆ Issue
 1. Direct
 2. Indirect Department
- ◆ Audit Report

9

List Management

- ◆ Item Expired
- ◆ Payment Summary
- ◆ Fixed Asset List
- ◆ Employee List
- ◆ Supplier List
- ◆ Sale Tax On Purchasing By Summary
- ◆ Sale Tax On Purchasing By Detail
- ◆ Aging(Aging Summary by A/P)
- ◆ Aging(Aging Detail by A/P)

Section-7

Protocol Management

1 Protocol Management

1 Principle

2 MS

3 AMS

4 Unit Head

+Add New

1

Protocol Management

- ◆ View Performance By Unit Wise
 - ◆ Unit Virtual Round
 - ◆ OPD Performance
 - ◆ ER Performance
- ◆ Pathology Virtual Round
- ◆ Radiology Virtual Round

8

User Management

◆ User Level

1. Department

2. Designation

3. Workgroup

4. Access Privileges

5. Create User

◆ Access Privileges

◆ Insert

◆ Update

◆ Delete

◆ View

◆ Print

Solution for Ministry of Health

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