

## Hospital Management System

We have ready to use Hospital Management System which is fully tested and running successfully in following hospitals.

1. Malik Haider Hospital, Gujrat
2. Shatic Complex, Mandi Baha uddin
3. Rehmat Hospital, Gujrat
4. Mirza Akram Hospital, Gujrat (Eye Department)
5. Ahmad Medical Complex, Islamabad

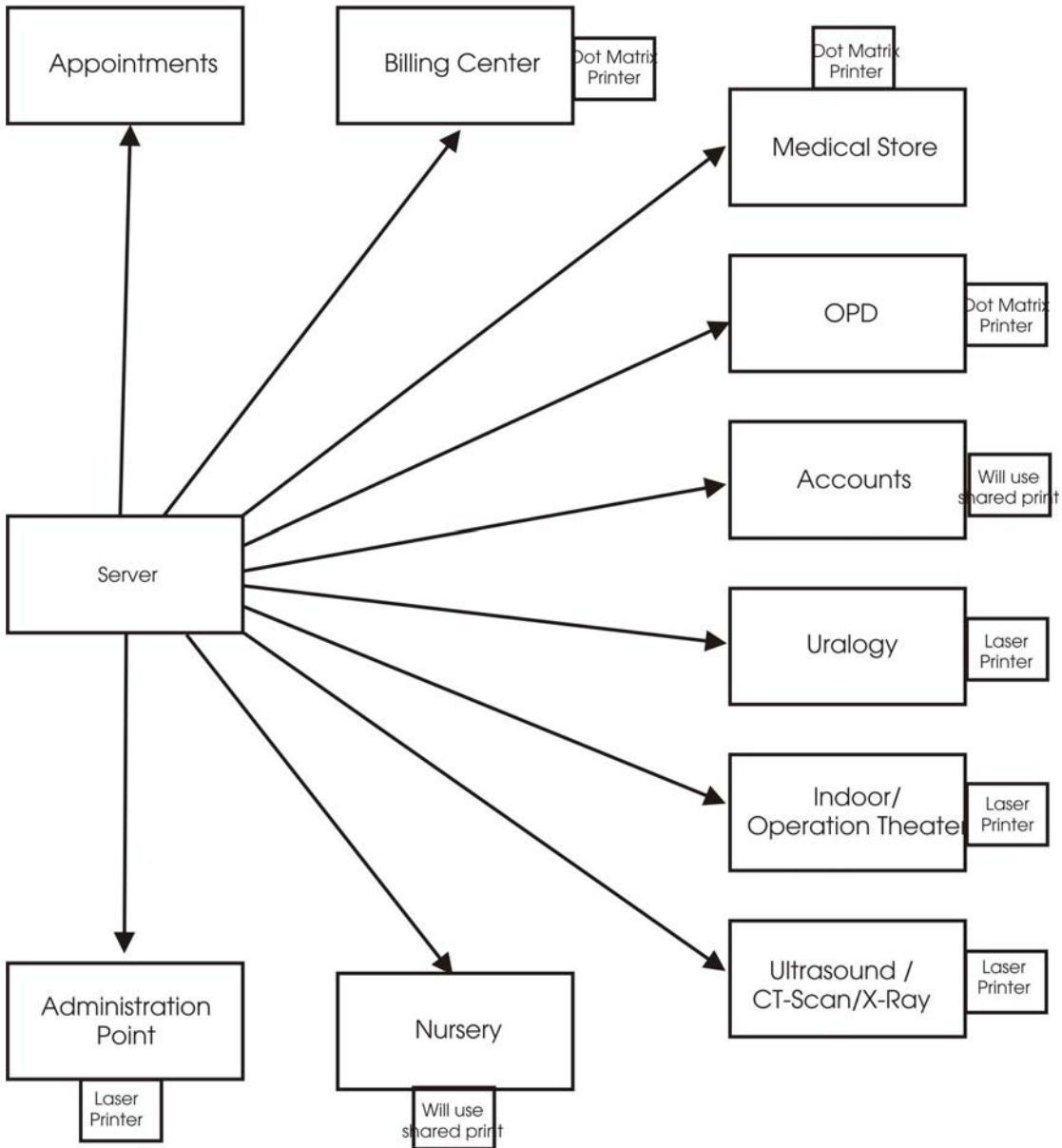
### Key Features:

- Computerized Billing of each department.
- Computerized appointment for all consultants.
- Expenditures of each department.
- Profit/Loss Report of each department.
- Profit/Loss report of complete hospital.
- Daily cash collection report.
- Patient's record.
- Human Resources management

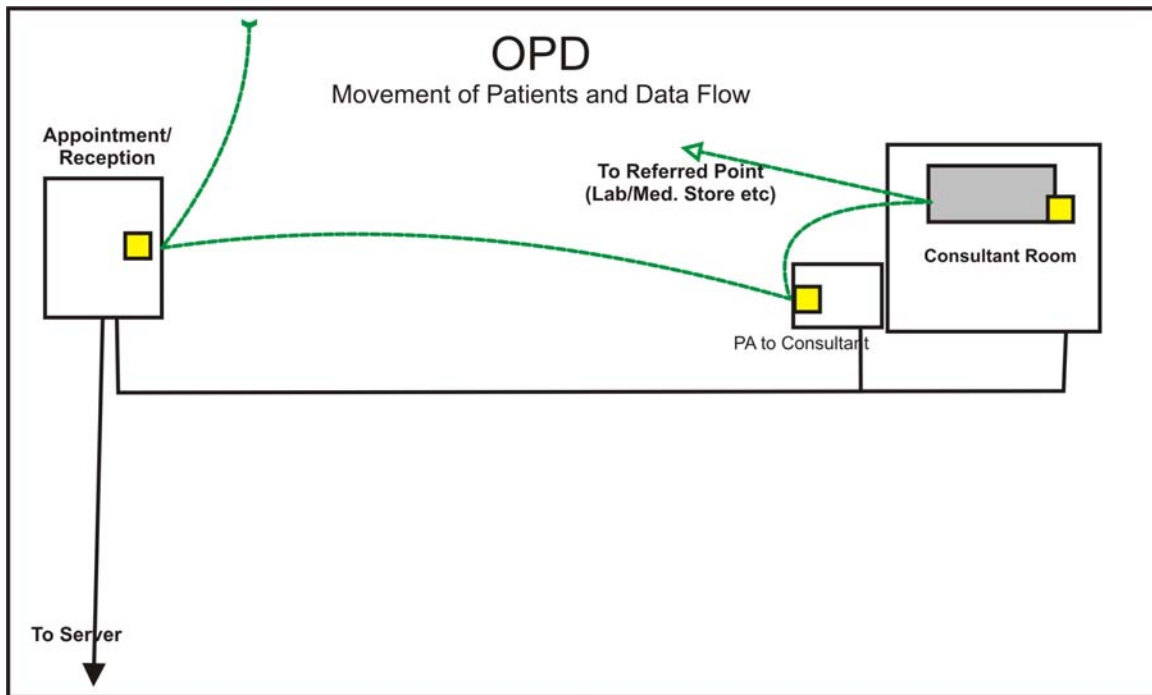
### How it Will Work.

The working of whole system is displayed in the following diagrams.

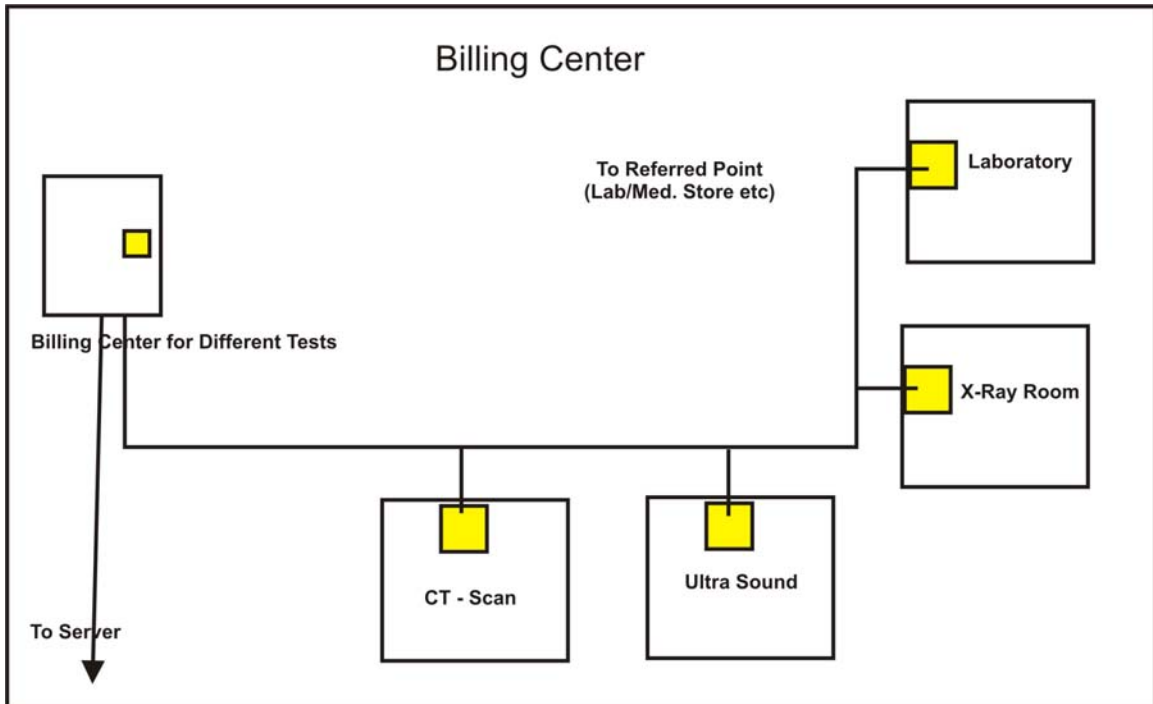
Suggested No of Stations  
and Inter-connectivity



## OPD System Diagram



## Billing Center System Diagram



## **Reception Desk**

1. Appointments for new and follow up patients
2. Appointments can be made either by visit or over phone
3. General information for all indoor patients cumulative and department wise

## **Preliminary Examination**

1. In preliminary examination section list of patients of each consultant is available
2. The Nurse on duty will record following of each patient
  - a. Blood Pressure
  - b. Temperature
  - c. Pulse
  - d. Height
  - e. Weight
  - f. Body Mass index
  - g. Present complain and previous history
  - h. Personal history will also record here like previous surgery, allergy, drug allergy, smoking etc.
3. In this section previous history of patient can be checked.
4. Finger print can be added for searching patient data thru finger print scanner in future visits.
5. Preliminary examination time is also record in patient list
6. Patient's profile can be created for comparison a certain investigation

## **Consultant Room**

1. Consultant can manage all of his indoor and outdoor patients from here.
2. Can view the billing history of each patient
3. Can set average time required for consultation of each patient.
4. Can edit preliminary examination data, if required so.
5. Abnormal finding of preliminary examination will be highlighted
6. Previous history/data is available
7. Can record patient symptoms
8. Can record signs
9. Can add diagnosis
10. Can prescribe medicines
11. Can issue diet and other instructions
12. Can refer to other consultant or admit in hospital
13. Can bill patient and received advances from indoor admitted patients
14. Can admit patients under various payment packages
15. Can manage medicine dozes

## **Indoor Department**

1. Can manage treatment packages
2. Can Register new patients
3. Can manage patients billing and advances
4. Can manage charges of indoor services
5. Indoor patients treatment is being handle in consultant section and procedure is same as for the out door patients.

## **Billing Sections**

1. Make bills of hospital dues including consultants, lab and x ray sections
2. View payment records of payments
3. Cash Reports
4. Refunds, if any.
5. New admissions

## **Administration Section**

1. View cash reports
2. Manage consultants timing, free structure and share etc.
3. View patients billing reports and refunds, if any.
4. View pharmacy sales and sales return reports
5. Views cash transactions of all sections
6. Profit and loss reports for hospitals sections, pharmacy and lab.
- 7.

## **Human Resource Management**

This section is a part of administration section. In this section hospital can manage:

1. New appointments
2. Employees payments and allowances
3. Daily attendance and leave accounts
4. Overtimes and overtime allowances

## **Expense**

5. Hospital expense head wise
6. Management of expense head
7. Expense reports can be viewed head wise

## **Laboratory**

1. Test booking
2. Management of test groups
3. Test Report printing

## **Pharmacy**

4. Sale and sale return
5. Purchase and purchase return
6. Record of pharmacy expense
7. Sale and sale return reports
8. Purchase and purchase return reports
9. Stock report
10. Expiry reports. (Medicine to be expired in near future)
11. Demand list
12. Profit/loss reports
13. Patient wise sales reports

## **Jobs of Each Station**

In the following section jobs of each station are described. The adjustment in the job of any station is possible.

- **Jobs at OPD**

1. Consultant Fee Collection
2. Patient Preliminary Examination.
3. Patient Management

- **Consultants**

1. List of patients in current session (total, checked, waiting)
2. View patients Previous Record.
3. Advise tests/admission/referral/treatment on computer.
4. Maintain patient profile.

- **Billing Center**

1. Collection of Fees for X-Ray/Ultrasound/CT Scan.
2. Collection of Fees for lab tests.
3. Refunds/discount.

- **Indoor**

1. Management of Indoor patients
2. Collection of Advances
3. Billing of Indoor patients.
4. Patients Record
5. Operation Theater record.

- **Accounts**

1. Data Entry of Expenditures (Department and Head wise)
2. Staff Salaries.
3. Cash Collection report
4. Staff Attendance Record

- **Laboratory**

1. Entry of sample
2. Printing of Test reports.
3. Only those reports can be printed those have been booked by billing center.
4. Highlighted abnormal values.

- **Medical Store**

1. Sale, purchase, sale return, purchase return of medicine.
2. Sale report.
3. Purchase report
4. Stock Report
5. Stock Value.

- **Out Patient Department**

5. Patient's record.
6. Reports.
7. Treatment and procedures
8. Any other work relating department.

### **Inter Desks Communication**

All desk will be connected to each other within built in inter desk communication system. This system will reduce consumption of stationery, time and human resources. Same system will be implemented for other desks.

### **Implementation:**

The whole system will be implemented in phases. The system is divided into 3 phases.

#### **Phase-I**

In the first phase following departments will be computerized.

1. Appointment.
2. OPD/Consultants.
3. Billing Center

Implementation Duration:

1 Week

## **Phase-II**

Following departments will be computerized in Phase-II

1. Medical Store
2. Laboratory
3. X-Ray
4. Ultrasound
5. CT-Scan
6. Emergency

Implementation Duration:

1 Week

## **Phase-III**

1. Indoor
2. Accounts
3. Operation Theater
4. Departments
5. Nursery
6. Required Reports

Implementation Duration:

1 Week

<b>Implementation Time for Complete System:</b>	<b>3 weeks</b>
<b>Modifications/Revisions (If required)</b>	<b>1 week</b>
<b><i>Total Time Period:</i></b>	<b><i>4 weeks</i></b>

## **Development Tools**

Visual Basic and MS SQL Server at back end.

### Maintenance & after sale service

- For 1<sup>st</sup> three months - Free  
 After this period - Call

### Hardware Required:

Following is the detail of hardware requirement for this system:

S. No	Description	Qty
1.	<b>Server Computer with following specifications:</b> P-IV Duo Core Ram 2 GB Hard Disk 200 – 300 GB SATA CDROM CD Writer Lan Card Gigabit Keyboard/Mouse Monitor	1
2.	<b>Work Stations:</b> P-IV 2.4 Ghz or P-III 1.0 Ghz RAM 512 MB Hard Disk 40GB 72rpm Lan Card Keyboard/Mouse Monitor	11 (Estimated)
3.	<b>Print Dot Matrix:</b> (Lab, Medical Store and Billing counter)	3
4.	<b>Printer Laser</b>	3 -4 (Can be reduced by printer sharing)
5.	<b>UPS:</b> For server (clients will use hospital's generator or power backup system)	1
6.	<b>Networking Material:</b> Switch 16 Port Networking Cable	1 2 Role

	Cable installation material ducting, clips etc	
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**Note:** Hardware requirement may vary for a hospital according to size of hospital and number of departments etc.

We are looking forward to undertake computerization of your esteem hospital and develop long term business relations.

Best Regards,

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