

CHMS

(Core Hospital Management System)

[Technical Specification / Documents]

By: Dev Net IT

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About Dev Net IT

Dev Net IT is one of the best customized software developer and world class IT training provider in Bangladesh. Recently we started exporting our software by outsourcing method. In Bangladesh we have some valued clients who are renowned in their own arena.

Better service is our motto. We develop by what you need what we do technique. Our main technologies are Oracle and Linux.

We have a very strong development and management team and they are our proud. We believe that if everywhere team bonding works well they can work for a long time.

Excellent pool of talents giving you a strategic advantage. Our people are our most valuable asset.

Dev Net IT hires and retains the best talent available in Bangladesh to work for and lead its software development organization.

All potential candidates go through a very stringent and rigorous screening, interview and background check process before they are made part of Dev Net IT's technical teams.

Even the best minds need to be constantly challenged and made sharper. In addition to providing an excellent work environment that fosters independent thinking, we provide constant training to all our employees through organized training programs, technical exchange programs and seminars on a wide range of technical, leadership and effective communication topics.

The highly flexible open door culture of the organization and ample career growth and learning opportunities culminate into a motivated, collaborative team of people who always do the right things in the right manner to deliver excellent results for your projects.

Dev Net IT teams have demonstrated perfect synergy surpassing customer expectations every single time. We have following valued clients:

1. Transparency International Bangladesh (TIB)
2. UNDP
3. Venus Telecom
4. MBM group (Garments)
5. CEIL (Garments)
6. Metropolitan Medical Center (Hospital, Mohakhali)
7. Prochito IMC (Group of Company)
8. DPDC
9. Medical Center Pvt. (Hospital, CTG)
10. Japan Bangladesh Friendship Hospital, Dhaka
11. Pearl Of Health Hospital, Zambia, Africa

Software summary:

We will build an ERP (Enterprise Resource Planning) Model for the system, so that in future you can integrate any related module with it.

Initially there the main module is CHMS.

Optionally we will build some sub modules like Departments, employees, administrative and MIS to control the software as admin and end user.

We will use world's top class database Oracle. As you know oracle is the high secured and most powerful database system based on zero data loss features. We will use all oracle tools for high performance, easy manage and scalability.

There will be two groups of user: admin and end user. Admin group will view most features and end user will use only those, what admin assign them. There will be admin for managing the system called IT people.

For the proposed software we have more than 40+ standard reports. We also develop more reports based on customer's requirements.

About Core Tools [Oracle & Linux]

Oracle Database is the most powerful, secured, easy managed database software in the world based on zero data loss features. All of the Bank of Bangladesh, most of the bank in the world, most multinational companies in the world, most financial organization in world and home use oracle database.

Linux is the best of all enterprise OS solutions for security and virus free interface and easy management.

So we have built our solutions with the combinations of the two most powerful engine or technologies. It may appear the price may high but if you consider the top technology this may not matter. So, more efficiency more profit for the company.

Technical Benefits

- World Top Database
- Top security
- High volume of Data
- Best performance
- 0% Data loss Technology
- Virus Free OS
- Fully customized
- Admin managed software security
- On Demand Report
- Easy Manage DB and Backup –Recover-Restore

Main Modules:

- A. Hospital information System
- B. Back Office Management
- C. Admin Panel

Module Summary:

Hospital Information System:

1. Billing
2. Pathology
3. Pharmacy
4. MIS
5. Front Desk
6. OT
7. Laundry

Back Office:

1. Attendance & Payroll
2. General Accounts
3. General Inventory
4. Hospital Management

Admin Panel:

1. User Setup
2. User Disable / Enable
3. Permission setup
4. Backup

Module Details

A. Hospital Information System:

1. Billing

- (i) Emergency
- (ii) OPD
- (iii) IPD
- (iv) Services
- (v) Pharmacy
- (vi) Pathology

2. Pathology

- (i) Billing
- (ii) Reporting

3. Pharmacy

- (i) Billing
- (ii) Inventory

4. MIS

- (i) Hospital Reporting
- (ii) Back Office Reporting

5. Front Desk

- (i) Customer Care
- (ii) Patient and Other Information

6. OT Scheduling

- (i) OT Setup
- (ii) Reporting

7. Laundry Management
 - (i) Washing Goods
 - (ii) Reporting
8. Dental Clinic
 - (i) Registration
 - (ii) Service
9. Plastic Surgery / Laser Unit
 - (i) Booking
 - (ii) Registration
 - (iii) Service
10. External Vendor Management
 - (i) Vendor Enlistment
 - (ii) Vendor Management

B. Back Office:

1. Attendance & Payroll
 - (i) Rostering
 - (ii) Shifting
 - (iii) Attendance
 - (iv) Leave
 - (v) Salary process
2. General Inventory
 - (i) Requisition & CS
 - (ii) Spot
3. General Accounts
 - (i) Voucher process
 - (ii) Automated Process
4. Hospital Management
 - (i) Hospital Setup

- (ii) Service Setup
- (iii) Rate Sheet
- (iv) Pathology Parameter
- (v) Discount Setup
- (vi) Unsettled Discharge
- (vii) Corporate Policy
- (viii) Package policy Setup
- (ix) Hospital and Doctors Bill separation

Features Details:

A. Emergency Module:

1. Patient Entry and HN Creation
2. Emergency slip / ticket generation
3. Emergency Billing Cash payment
4. Emergency Billing Due payment
5. Emergency Billing Due collection
6. Emergency doctor assignment
7. Emergency Service entry for tests
8. User reports for collection, service , pathology

B. OPD Module:

1. Patient Entry and HN Creation
2. Service entry
3. OPD Billing for cash payment
4. OPD due and due collection
5. OPD due collection
6. OPD doctors billing
7. OPD service entry and collections Report
8. User reports for collection and service
9. OPD voucher for accounts process

C. IPD Module:

1. Patient Entry and HN Creation
2. Patient Entry
3. Bed / Word / doctor allocation
4. Defining corporate patient
5. Define package patient
6. IPD Service entry
7. IPD bed cabin management
8. IPD bed / Cabin full delete or edit
9. Discharge Certificate
10. Birth Certificate
11. Un settlement patient information
12. Unsettled patient billing information
13. IPD corporate due bill collection
14. Refunding
15. Advance bill receive
16. Financial settlement
17. Discharge
18. Voucher edit/delete
19. Package edit
20. Receivable vouchers list
21. Payment details
22. Unsettled discharge
23. IPD collection summary by user

24. IPD total Collection by user and service category
25. Bill identifying for Hospital and doctors
26. Integration to pathology and pharmacy
27. Service alert setup for 50K or 60K due patient

D. Pharmacy Module:

1. Company Entry
2. Product wise company define
3. Company wise requisition Raise
4. Spot purchase requisition
5. Requisition approval
6. Requisition cancel
7. Requisition Edit
8. Company wise medicine receive
9. Medicine receive return
10. Sales invoice to patient
11. Medicine return
12. Stock entry
13. Stock adjustment
14. User panel setup
15. Date wise bill for patient
16. View all bill
17. Stock list
18. Daily stock list
19. Daily sales
20. Daily purchase
21. Company wise daily purchase
22. Patient wise medicine billing
23. Patient wise medicine summary

24. Date wise medicine sale summary
25. Date wise medicine return summary
26. Date wise medicine sales & returns
27. Date wise medicine return details
28. Date & patient wise medicine
29. Company wise purchase statement
30. Company wise stock report
31. Generic wise product stock list
32. Doses wise product stock list
33. Product purchase / sales stock list
34. Doses wise Sales and Purchase
35. Generic wise sales and purchase
36. Product transaction
37. User wise sales
38. User wise purchase

E. Pathology Module:

1. Administrative and Clinic Management Reports
2. Configurable Test
3. Test Name
4. Faculty to which it belongs to
5. Test wise container defined
6. Re-agent used
7. Formula base test.
8. Multicolumn base test.
9. Test request can be raised from OPD and Wards.
10. Sample Collection
11. Configuration based on Sample Collection, Dispatch & Acknowledgement.
12. Complete Specimen tracking
13. Test Results input with authorization facility
14. Test Repeat facility (In case of container breakage, sample hemolysis, missing, and re— run).
15. Sample Dispatched to Patient Report delivered, tracking.
16. 150 around Pathology test
17. Date wise test list
18. Date wise pathology billing
19. Patient wise pathology bill

20. Doctor wise pathology bill
21. Category / test wise bill
22. User wise test done report
23. Re-printing report
24. Pathology test list with voucher
25. Pathology test editing

F. General Inventory Module:

1. Product requisition from user or departments
2. Store requisitions
3. Auto requisition from re-order level
4. Requisition approval / Cancel /Edit by Management
5. Quotation Invitation
6. Quotation receive
7. CS (Comparative study)
8. Quotation Internal approval
9. Quotation final
10. Work order Issue
11. Work order Receive
12. PO : Purchase Order
13. Purchase and stocking
14. Spot Purchase
15. Item Issue to user or departments
16. Item receive acknowledgement
17. Purchase return
18. Product Costing

19. Vat Management
20. Tax Management
21. Supplier info
22. Product Category
23. Payment / advance
24. Commission
25. Physical stock & Logical stock adjustment
26. Customize Reports

G. General Accounts Module:

1. Chart of Accounts
2. Cash Payment Voucher
3. Cheque Payment Voucher
4. Cash Receipt Voucher
5. Cheque Receipt Voucher
6. Journal Voucher
7. Contra Voucher
8. Money Receipt
9. Income Statement Information
10. Bank Reconciliation
11. Opening / Closing system
12. Auto Closing / Opening system
13. All Types of Voucher Reports
14. Money Receipt Reports
15. Day Book
16. Cash Book
17. Bank Book
18. Cheque Print
19. Ledger
20. Trial Balance
21. Profit and Loss Account

22. Profit and Loss Appropriation Account
23. Income Statements Reports
24. Balance Sheet
25. Vat
26. Tax
27. Others Financial Statement

H. Attendance & Payroll Module:

1. Employee Information / profile
2. Employee Designation
3. Employee Commission setup
4. Attendance
5. Leave
6. Loan
7. Overtime
8. Bonus
9. Salary process
10. Pay slip
11. Advance salary
12. Commission Receive/ payment
13. Salary deduction
14. Increment
15. Punishment
16. Dismissal of employees
17. Customize Reports

I. MIS Module:

1. IPD Bill discount panel
2. Emergency and OPD discount Panel
3. Date wise user collection summary
4. Date wise user collection matrix
5. Un settled patient release
6. IPD bed charge edit
7. User wise collection details
8. User wise transaction information
9. Patient bill limit setup
10. Patient bed charge remove
11. Voucher / advance/ bed remove
12. Date wise total hospital Income
13. Service wise hospital income
14. Department wise hospital income/ bill
15. Doctor (date or all) wise total income/ bill
16. Patient wise medicine summary
17. Patient wise medicine total
18. Total IPD patient
19. Total Bill of IPD all patient
20. Un used bed list
21. Ward & bed list
22. Date wise pathology test
23. Patient wise pathology test
24. Date wise discount statement
25. Date wise refund statement
26. Category wise hospital income / bill
27. Emergency detail bill with user and voucher
28. OPD detail bill with voucher
29. Date wise all bill with voucher and user
30. Patient wise advance Due
31. Patient wise Unsettle due
32. Patient wise corporate due
33. Total Bill of emergency patient
34. Total bill of OPD
35. Patient wise doctor's Bill
36. Un settle patient bills for doctors
37. Disease information

J. Hospital Management Module:

1. Hospital department Setup
2. Employee Designation setup
3. Employee Information with password
4. Doctor type setup
5. Doctor entry by designation or other criteria
6. Hospital Root service setup
7. Hospital service category setup
8. Pathological test setup
9. Laboratory test wise group setup
10. Parameter wise reagent setup
11. Package policy setup
12. Bank entry
13. Corporate setup
14. Patient Bill limit setup
15. Disease setup
16. Unit Measurement Setup
17. ICU, HD etc individual category setup
18. Imaging test setup
19. Ward setup
20. Bed setup
21. Room setup
22. Specialty wise hospital setup
23. Supplier or vendor company list setup
24. User security setup

K. Front Desk Module:

1. Patient Status [where admitted & Last Position]
2. Employee status
3. Doctor information
4. Bed / cabin status
5. Used or released bed status
6. Service list
7. Service price
8. Discharge patient list
9. Admitted patient list
10. Bed or cabin charge
11. Doctor's visit
12. Pathological information [Test price]

L. OT Scheduling:

1. OT Setup (Charge, Quantity, Location, Specialty etc)
2. Pre Booking for OT
3. Special or On Call OT Booking
4. OT Scheduling Edit / Cancel
5. Re-Scheduling OT
6. Emergency OT
7. OT-wise patient (Report)
8. Doctor wise reporting
9. Date range wise various OT Report

M. Laundry:

1. Laundry Man setup
2. Washing Goods Setup
3. Washing goods Inventory
4. Issue goods for washing or repair
5. Receive from washer man or repairman
6. New Goods Receive
7. Loss/ Damage Entry
8. Reporting for Stock
9. Date, Ward or Department wise reporting

Tools and Technology:

- Front End: Oracle Forms Developer 10gR2
- Back End (Database): Oracle Database 10gR2 / 11gR2
- Middle Tier: Oracle Application Server 10g / web logic server
- Reporting Tools: Oracle Report Builder 10g
- Oracle Fusion Middle ware [If required]
- Support tools: Team viewer, Putty, VNC
- Report Format: PDF
- Operating System : (server): RedHat Linux 5 +
- Operating System : (Client/ User): Windows xp/ win7
- Server(DB): Standard Server Based on 16GB RAM
- Server(APPS): Standard Server Based on 16GB / 8GB RAM
- Client PC: Standard 2GB Ram , Dual core+
- Others Tools: Standard LAN
- 2G / 3G Internet

Development / Customization:

1. Requirement analyses
2. Scope define
3. Developers note define
4. Client approval
5. Design and development
6. Deploy & UAT (User Acceptance Test)
7. Tuning
8. Production / Final Delivery
9. Support and Service
10. Annual Renewal or Update Subscription

Requirements: (Software Maintenance)

1. A server room with AC and airy
2. IT room or working facility for support team
3. Internet facility with a minimum bandwidth of 512 KBps.
4. Snacks and drinking water and washroom facility for the support team
5. Transportation cost [Special and critical case]

Thanks

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