



PROPOSAL FOR SUPPLY

OF



An Advanced and Innovative Hospital and Clinical Management System

Submitted to:

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VERSION CONTROL

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ADVANTAGE SA-HIS

- Among the largest selling hospital ERP solution in India
- Unmatched bundle of cost savings for your hospital
- Healthcare ERP with absolutely low cost of ownership
- 30 day structured training for smooth transition.
- 24 x 7 permission based remote support.
- Industry presence since 1991
- Less patient wait time. Inventory optimisation. Improved cash flow
- Over 25% savings in management time
- Brings stability, reliability and efficiency to your hospital.
- No questions asked Quality Of Service (QOS) guarantee.
- Certified by Microsoft to run on Windows 7 workstations
- Preconfigured set of modules with report customization
- Hospital Information System with guaranteed return on investment (ROI)
- Product and process ideas across 250+ satisfied clients
- Sophisticated Automated testing tools deployed for zero bugs.
- Superior processes in product design and development.
- SMS alerts on hospital activities when you are out of station
- 200 plus versatile hospital reports at your disposal.
- Choice of LINUX / WINDOWS 2008 servers

Modules

- Finance
- Fixed Asset Management
- Pharmacy
- Central Stores
- Department billing
- Central Cash Counter
- Human Resources
- System Administration
- Front Office
- Pre Registration / Booking
- Insurance Processing
- Patient Care
- Laboratory and Reporting
- Medical Records & File Tracking
- Discharge Summary
- Messaging (SMS & email)
- Management Information System
- Operation theatre
- Outpatient consulting
- Report Builder

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FINANCE

The finance module is central to the Hospital Information System, it provides information on payables, receivables, assets etc.

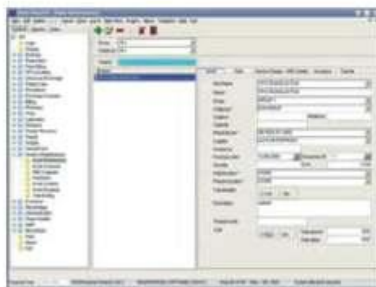


FEATURES

- Monitoring department and doctor profitability
- Instant bills outstanding statements
- Budgeting / Variance analysis for expense control
- Transaction locking for secure balances
- Direct consolidation of account balances from all modules
- Online bills tracking for debtors and creditors
- Multiple book of accounts for cash, cheque and credit
- Ledger printing (xls, PDF, Word format)
- Online printing of receipt and payment vouchers
- Cheque printing templates
- Bank reconciliation and reporting
- Balance sheet to voucher drill down

FIXED ASSET MANAGEMENT

An intelligent and cost-optimized module to manage the various fixed assets of a hospital. The module provides comprehensive recording, tracking and analyzing capabilities.



FEATURES

- Minimizes the time and cost in maintenance of fixed assets
- Optimum asset utilization
- Improves control of planning and replacement costs
- Monitors Annual Maintenance Contracts and guarantee period of assets
- Improves efficiency by automatically calculating depreciation of each asset
- Facilitates easy tracking of locations of equipment
- Tracking breakdown and repair history
- Easy monitoring of insurance and premium details of an asset
- Maintenance of manufacturer and supplier details

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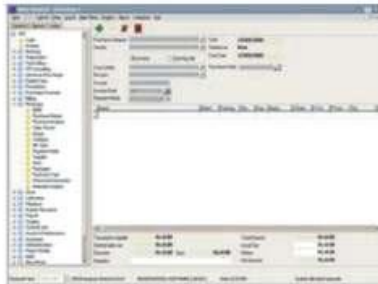
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PHARMACY MANAGEMENT

The pharmacy module enables optimal levels of inventory in the hospital pharmacy department.

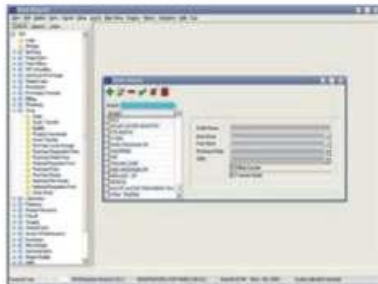


FEATURES

- Links doctor recommendations to products
- Classification under manufacturer, generic name and chemical composition
- One click generation of purchase orders for products below re-order level
- Goods Receipt notification for finance department
- Define preferred vendor for a product
- ABC / FSN analysis / Stock velocity
- Reduces medication errors through look alike and sound alike alerts
- Tracking of purchase order, schemes and prices
- Industry standard Barcode printing

CENTRAL STORES

The Central Stores module allows transfer of products from various sales and consumption outlets such as pharmacy, laboratory, operation theatre



FEATURES

- Create unlimited outlets to handle different sale points
- Classification under manufacturer, generic name and chemical composition
- Product conversion to allow bulk retail packing
- Directly links consumption with outlets such as laboratory and Operation Theatre.
- One click generation of purchase orders for products below re-order level
- Industry standard Barcode printing formats
- Goods Receipt notification for finance department
- Define preferred vendor for a product
- Tracking of purchase orders, schemes and prices
- ABC / FSN analysis

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BILLING

This is the central billing system, that controls all cash transactions of the organisation. Multiple counters can be configured for various physical locations.

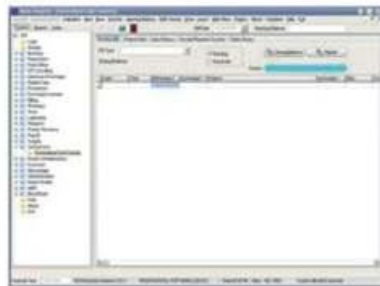


FEATURES

- Measure and improve on patient wait time
- Peak time billing efficiency matrices
- Single menu for all billing activities
- Maintain billing categories such as cash, cheque, account and credit card
- Create tariff plans depending on the day of the week and time
- Group products and services according to cost centers and departments
- Specify plans for shareholders, employees and corporate houses
- Integrated with payment counter and accounts
- Define group concessions and exceptions

CENTRAL CASH COUNTER

The central cashier system, manages all receipts and petty payments of the organisation, thus avoiding chances of financial manipulation in the organisation.



FEATURES

- Centralized view and settlement of all bills
- Display of pending/received bills of all bills separately
- View opening & closing balances
- Pending bills for a selected patient
- Coinage analysis
- Conversion of bills to patient debit & patient debit settlement.

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HUMAN RESOURCES

This module enables employment history and performance appraisal management of hospital employees



FEATURES

- Improve on hospital HR practices
- Increase employee retention
- Periodic employee appraisal parameters
- Employee confidential report
- Generate letter of appointment
- Security clearance Form
- Issue experience certificate
- Print employee id card
- Staff Joining Report

SYSTEM ADMINISTRATION

Security is central to any information system. H.I.S has multiple layers of protection to ensure that the assets of your organisation are well protected.



FEATURES

- 24 x 7 vigil on hospital data security
- login attempts recorded to trace users
- Recording of Workstations and menu activities
- Voucher approval limit for supervisors
- Change log maintained for financial transactions
- Periodic password change reminders
- Automatic system idle locking

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FRONT OFFICE

The front office module is the gateway of H.I.S, allowing easy flow of out patients, managing departments, schedules etc. to reduce queuing at the clinics



FEATURES

- Integration of visit information with outpatient consulting
- Synchronise web data with pre-registration module
- Schedule physician's timings on visit, duration, days and exceptions
- Create fee structures depending on the day, time, visit or physician
- Allocate appointment priorities for emergency cases
- Multiple and cross consultation during visits
- Patient visit validity on parameters such as visit and duration
- SMS enabled patient booking
- Exhaustive query system for easy retrieval of patient information

PRE REGISTRATION / BOOKING

The pre-registration module allows easy flow of out patients, managing departments, schedules etc in order to reduce queuing at the clinics.



FEATURES

- Booking for consultation and utility services.
- Doctor wise booking of patients.
- Set the doctor wise booking limit
- Selection the patient using outpatient number
- Block the booking of a doctor when the doctor is out of station
- Option to assign starting token numbers
- Collect booking fee at the time of booking or registration.

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MEDICAL INSURANCE

Health insurance offers financial protection against most health related expenses. In general, health insurance varies in wide range and provides coverage for required medical treatments, hospital visits and other additional medical costs. This module facilitates to bill virtually each and every type of health insurance in a timely and accurate manner.



FEATURES

- Reduces claim settlement time and improves on cash flow
- Facilitates billing of every type of insurance in a timely and accurate manner
- Enables to process insurance claim forms depending on the approval authority
- Track claims across providers (TPA)
- Records insurance claim details
- Issue new insurance policy to patient
- Information regarding settled/ rejected claims.
- View the status of pending insurance claims
- Management of multi provider tariffs
- View associated bills of patients

PATIENT CARE

The patient care module integrates with other important functions such as laboratory, pharmacy, front office, doctor consulting module etc to seamlessly integrate in-patient information



FEATURES

- Create treatment packages to suite changing market requirements
- Define rate slabs for products and services depending on the time of the day
- Link doctors and para medics to wards
- Automatic patient discharge summary preparation
- Consolidation of billing information from various departments
- Credit limit for admitted patients
- Monitor inpatient dues and send payment requests
- Detailed floor plan for maintenance department

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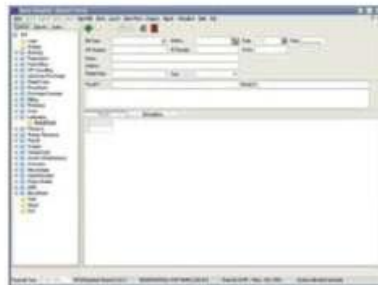
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LABORATORY AND REPORTING

This is a comprehensive module configured to handle laboratory billing, reporting and inventories. It interfaces with industry standard auto analysers

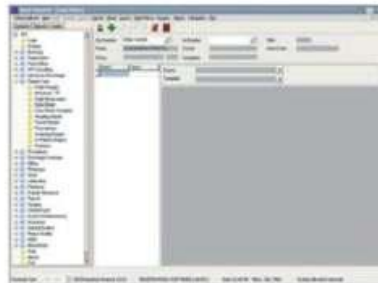


FEATURES

- Drastic reduction in kit and reagent wastage
- Third party tests for services which are done by external agencies
- Define duration for different tests and procedures to eliminate wait period
- Schedule services according to priority
- Work schedule for tests
- Integration without patient consulting and ward billing
- Purchase orders for internal consumption
- Sampling and reporting using auto analyser interfacing
- Reduction in patient wait time

MEDICAL RECORDS AND FILE TRACKING

The medical record module binds with the front office, patient care, laboratory, utility services and clinical departments to give the physicians and other service providers, concise medical information.



FEATURES

- Patient medical information in PDF format
- Exhaustive query system
- International Disease Code classification (ICD 10)
- Templates for statutory reporting
- Physical file tracking
- Prescription printing

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PATIENT DISCHARGE SUMMARY

The module allows creation, archival and retrieval of discharge summary records of all in patients. It integrates with supporting departments such as laboratory, nursing station etc

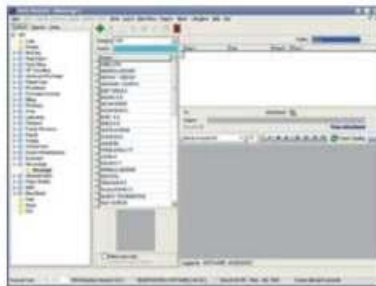


FEATURES

- Choice of general and customised reporting
- Template format for discharge summary
- Laboratory investigation link to discharge summary
- Medical dictionary and spellchecker
- Search and print previous discharge summaries
- Export discharge summary to word / pdf formats
- WYSIWYG formatting features included

HOSPITAL WORKFLOW MESSAGING

This module performs the workflow scheduling of the hospital using a combination of SMS, web and emails



FEATURES

- Rule based SMS alerts (information on demand)
- Exchange messages with physicians through web and send internal documents, test results and orders across departments
- Send messages to anyone within the organisation

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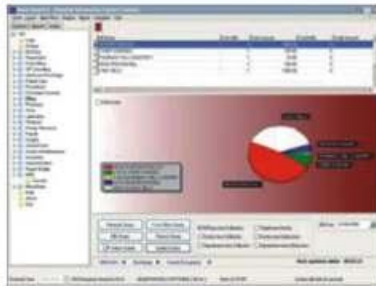
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MANAGEMENT INFORMATION SYSTEM

The Management Information System (MIS) uses OLAP data warehousing to consolidate valuable hospital information on critical attributes such as patients, physicians, people, products, departments and vendors. H.I.S creates an easy to interpret grid based decision support system with up to 10 years of reference data. The resulting data can be exported to industry standard formats such as Word, Excel, Pdf & XML.



FEATURES

- View your hospital performance over 100 parameters
- A measuring tool for your hospital to improve on cost savings
- Plan tariffs based on current and historic data
- Take home analysis information on your laptop
- Patient wait time and workflow analysis
- Purchase trends and key supplier indicators
- Doctor and department performance matrices
- Room utilisation and revenue management
- Patient loyalty index and spending patterns
- People productivity and efficiency tracking
- Create grid based what if scenarios using click and build
- Presentation graphics for management and board meetings
- Export information to formats such as ms-word etc
- Optional integration with SPSS - Statistical data

OPERATION THEATRE

This module allows the efficient allocation of various resources, required to perform operations in various operation theatres of the hospital.



FEATURES

- Keeps track of expensive theatre consumables
- Bill of materials – reduces inventory and helps purchase planning
- Doctor wise surgery Scheduling to improve theatre utilisation
- Theatre equipment inventory control
- Operation theatre equipment details
- Previous surgery reports.

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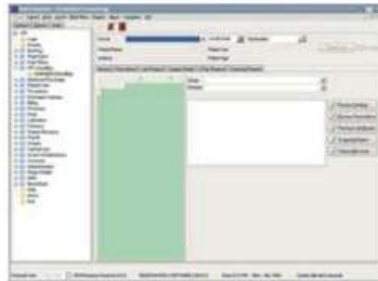
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OUTPATIENT CONSULTING

The consulting module is an innovative approach for doctors to handle their day to day out patients. The module interacts with various linking departments such as laboratory, pharmacy and front office for billing purposes.

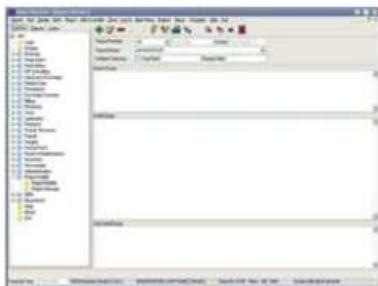


FEATURES

- Drastic improvement in patient experience
- Improves department billing collections
- Interactive entry of patient information
- Patient appointments for the day
- View previous visit details
- Check availability of medicines / alternate medicines
- Create prescriptions for patients
- Prepare laboratory test and X-ray requests
- Clinical decision support system interface

REPORT BUILDER

Building adhoc reports without programming has never been easier for hospitals. The heart of HIS is the versatile report builder module which has a brilliant (patent pending) reporting engine. The engine also has a WYSIWYG editor (as in ms-word) , a query builder and an input parser. Report formats have an extension of .PIR and are saved in the central repository, easily transferred by email. Any complex report can be built in a few minutes.



FEATURES

- Ad hoc reporting in minutes. No technical hands required
- WYSIWYG editor for professional formats
- Graphic and text printing
- Export of report formats to Pdf, Word, Excel or Text
- Barcode printing
- Archival of reports
- Search within report view

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Reports in SA-H.I.S

Front Office	Department Billing
Appointment Details Of A Consultant	Bill To Bill Register
Patient Care	Bill Type-Wise Ip Credit
Admission Register	Bill type Wise Day Collection
Admission Register (MLC)	Block- Wise Vacant Rooms
Admission Register1	Canceled Bills Report
Admission-Discharge-Bill Register	Cashier Collection Details
Advance In Hand(Ip)	Cashier Collection Summary
Advance In Hand(Op)	Cashier-Shift Details
Advance Register (Op)	Collection Summary(Running Shift)
Advance Register(Ip)	Credit Sales Return Report
Advance Repayment Register(Ip)	Date Wise Bill Details
Advance Repayment Register(Op)	Date Wise Suspense Collection
Area Wise Patients	Date Wise Suspense Out Standing
Current Occupancy List	Date-Wise Sales Returns
Date-Wise Room Shifting	Date-Wise Telephone Calls
Death Register	Detailed Bill Register
Discharge Register	Doctor Fee Report(Summary)
Doctor Wise Op Collection	Doctor Wise Bills Detailed
Doctor-Wise Admission Register	Group-Wise Report(All Groups)
Doctor-Wise Admission Register(Summary)	Item-Wise Collection(Detailed)
Doctor-Wise Admission Register(Summary)	Item-Wise Collection(Summary)
Doctor-Wise Booking Collection	Net Realization Report
Doctor-Wise Booking Details	Patient Debit Discount Register
Doctor-Wise Current Occupancy	Sales Day Book
Doctor-Wise Discharge Register	Central Store & Pharmacy
Doctor-Wise In Patient Census	Category Wise Item And Sub Item List
Doctor-Wise Op Registration(Detailed)	Category Wise Purchase
Doctor-Wise Op Registration(Summary)	Category-Wise Bills
Doctor-Wise Patients	Category-Wise Stock Listing
Doctors Ip Collection	Chemical-Composition Wise Item Listing
Doctors Ip Collection Summary	Company Wise Purchase
Doctors Op - Ip Collection	Company-Wise Bills
Doctors Op Collection	Company-Wise Stock Listing
New Born Babies List	Doctor Wise Item Listing
Occupancy List(Doctor -Wise)	Doctor-Wise Bills(Detailed)
Occupancy List(Name -Wise)	Find A Batch
Occupancy List(Room -Wise)	Group Wise Category Purchase
Patient-Wise Ip Credits	Group-Wise Service Listing
Ward-Wise In Patient Census	Item Ledger
Laboratory	Items At Re-Order Level
Category-Wise Test Register	Non Moving Items Doctor-Wise
Service Items Price List	Non-Moving Items
Finance	Outlet-Wise Consumable Issues(Detailed)
Address Label Of Printed Cheque	Outlet-Wise Consumable Issues(Itemwise)
Balance Sheet	Outlet-Wise Re-Order Level

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Bank Book	Outlet-Wise Stock Listing
Bank Reconciliation Statement	Outlet-Wise Stock Transfer(Detailed)
Cash Book	Pending Packing Slip Report
Cash Flow	Previous Day Stock Report
Cost Center Analysis	Product-Wise Bills Summary
Covering Letter of Printed Cheques	Purchase Day Book(Invoice Date)
Creditors Aging	Purchase Day Book(Purchase Date)
Day Book	Purchase Return Register
Journal Register	Supplier Wise Invoice Listing
Ledger	Supplier-Wise Expiry Report
Monthly Profit & Loss Report	Supplier-Wise Stock Listing
Profit And Loss	Operation Theatre
Receipts And Payments	Date-Wise Surgery List
Register Printing	Doctor - Wise Surgery Schedule
Trial Balance	Doctor - Wise Surgery Summary
Bank Statement	Surgeon Wise Surgery List
Budget variance report	Surgery List As On Date
Human Resource	Theater - Wise Surgery List
E.P.F And F.P.F Employees Register	Assets & Maintenance
Epf Monthly Remittance	Amc Expiry Reports
Payroll Form (3A)	Asset Amc Master Listing
Payroll Form 6(A)	Asset Barcode
Payroll P. F. Statement	Asset History
Payroll Register Detailed (Check List)	Asset Insurance
Payslip Printing (Employee Wise)	Asset Parts
Salary Report	Asset Service Charge
Salary Statement	Asset Transfer
Terminated Employees List	Date Wise Contracts
User Log History	Date Wise Contracts Detailed
Central Cash	Date Wise Purchase Asset
Cashier Collection Detailed	Depreciation
Centralised Cashier Collection Summary	Depreciation Fixed
Centralised Cash Collection	Expired Amc
Centralised Cash Collection Summary	Expired Insurance
Centralised Cashier-Shift Details	Expired Parts
Centralised Cashier-Shift Details	Expired Service Charge
Administration	Insurance Expiry Report
System Auditlog	Location Wise Asset
MIS	Manufacturer Wise Asset
Bill type-Wise Collection Analysis	Name Wise Asset
Doctor-Wise Bills Analysis	Supplier Wise Asset
Doctor-Wise Ip Patients Analysis	Doctors Op Collection Analysis
Doctors Op Collection Analysis	Ip Status Report
Ip Status Report	Ip Status Report date Wise
Ip Status Report date Wise	Item-Wise Collection Analysis
Item-Wise Collection Analysis	Op Comparison Report
Op Comparison Report	

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HARDWARE REQUIREMENTS FOR SA-H.I.S

The selection of right hardware in any medium and large healthcare organisation is of utmost importance. The following configuration is recommended to run the Hospital Information System suite (SA-H.I.S)

Server (IBM/ACER/HP/DELL) - Dual core

Xeon dual core or above
16 GB RAM
2 x 320 GB SATA hard drives with mirroring OR RAID 5
Gigabyte ethernet
Windows 2008 server OR Linux
Firebird SQL relational database version 2.x
Anti virus subscription

Workstations

Intel Dual core above
2 GB RAM
100 Mbps Fast ethernet
4 MB display RAM
Color monitor supporting 768 x 1024 resolution
Windows XP / Vista / Windows 7 edition
160 GB SATA hard disk drive

Accessories

Cat 6 or e-Cat structured cabling
Managed switch

Peripherals

24x CD writer / External hard disk
A4 Laser printer
24 Wire dot matrix printer
Barcode printer / Barcode scanner
A4 desktop scanner with barcode support
512 kbps broadband connectivity with static ip address

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