



HOSPITAL INFORMATION MANAGEMENT SYSTEM

SYSTEM FEATURES





Features

Some of the standard features:

- **COMPLETELY ONLINE & INTEGRATED**– All the functions available in EXSYS-HIS are completely online, integrated and works on real time basis. This ensures that people work in a collaborative environment.
- **COMPREHENSIVE** – EXSYS- HIS is a comprehensive solution that covers basic and advanced functionality of each functional area. Our endeavor has been to offer a single Information System solution to each of our esteemed clients.
- **COMPLIANCE WITH STANDARDS**– Functional aspects of EXSYS-HIS in each domain is designed after extensive study of standards, norms, regulations and best practices of industry.
- **EXCELLENT REPORTING SYSTEM**– EXSYS-HIS comes with a huge library of reports fulfilling needs of staff, supervisors, auditors and middle & top management. The uniqueness of this library is that it is grouped according to user roles and their requirements which help them in getting results fast.
- **MULTIPLE LOCATION/USERS**– EXSYS-HIS can be accessed from multiple locations through wired or wireless connectivity. It is a tested and trusted platform for multi-location/multi-user operability.
- **LOWER TCO** – One of the key goals of EXSYS has been to offer IT solutions with very low TCO. Right from day one of our existence we continue to innovate and improvise to bring down TCO for user organization further and further.



Some of the key solution features:

- **BALANCED OFFERING**– The traditional ERP/IS solutions are known to have strong focus on one or two aspects of business. The functional features available through EXSYS-HIS gives equal importance to every aspect of business be it Financials, Administration, Clinical or Analytics. This is true across all domains and product offerings of EXSYS-Information System.
- **ASSESSMENT OF EXACT REQUIREMENT & PRIORITY**– EXSYS has a well-trained & qualified Technical & Functional Team which helps you assess the priority areas where Solution should be implemented first to get maximum impact and faster ROI.
- **UPGRADES**– It is our policy to provide the latest development in EXSYS-HIS to our existing clients. There is a separate team that is concentrating on formulating strategies for smooth transition from present system to web enabled application for our existing clients. It is a constantly evolving system with two revisions every year.
- **SUITABILITY**– EXSYS gets into association with any user organization only after mapping of solution to the requirements of buyer organization. We sale our solution only when we are confident that overall the EXSYS-HIS solutions provide excellent fitment to buyer organization's requirements in all areas under consideration.
- **PROACTIVE TRAINING & CONSULTATION** – At EXSYS we take a very proactive approach in training users and providing suggestions for better returns at User organization. We even conduct functional training classes like material management for store staff if needed.



Some of the usability features:

- **EASIEST TO IMPLEMENT** – We believe that EXSYS-HIS is the Easiest ERP to install, implement and operate. User only needs to copy paste the application on server to make it operational.
- **INTUITIVE USER INTERFACE** – The user interface of EXSYS- HIS has been designed after extensive study of Human- Computer Interface. It has been designed to reduce the learning period for user and to make daily work pleasant.
- **CONSISTENCY IN GUI DESIGN** – Graphic User Interface of EXSYS-HIS has been designed in such a way that it gives very consistent operability. All the transactions screens standard buttons are placed at same location to provide familiar look and feel to user.
- **MODULE/MENU DRIVEN** – EXSYS- HIS has a well-designed Graphical User Interface (GUI) with Users find the Module/Menus structure very intuitive which is mapped with the business processes and this helps in easy navigation and operations.
- **EASY TO USE MOUSE DRIVEN POINT & CLICK DESIGN** – The system has been designed with planning and care and it is such that if users want then they can run entire application either by using keyboard or mouse. It does not stop working if there is any keyboard or mouse failure at any of the terminal.
- **LESS NUMBER OF KEY STROKES & MOUSE CLICKS** – We kept this basic principle of screen design in mind while designing the software.
- **MAINTENANCE & ADMINISTRATION** – Administration of this software is easy; very few operations that are mandatory to perform on daily basis. Once the process of master data creation is over, daily transactions can be performed without any outside support.



Some of the flexibility features:

- **HIGHLY PARAMETERISED** – We believe that every user organization is distinctive in terms of its policies and business rules. Hence EXSYS-Information System comes with very high degree of parameterization, which allows for easy adaptability to suit individual organizations philosophies. Almost entire business logic of system is defined through parameters which are set by user from within the application. This can be altered at any stage in future without any need for help from software manufacturer/implementers. The system will automatically take care of changed parameters.

- **MODULARITY**– The functional features available through EXSYS-HIS are categorized in terms of modules. Each module maps group of functions performed by a department or common functions performed across all departments. The system is completely modular in nature and user organization can pick and choose combination of modules for implementation at will. This provides flexibility to the user organization to computerize as per their requirement and priority.

- **USER-TERMINAL-MODULE INDEPENDENT**– EXSYS-HIS has been designed in such a way that based on access rights any user can operate any function from any computer terminal. It does not restrict modules to terminals and thus allow complete flexibility to shift any work to any terminal if required.

- **CUSTOMISABLE** –EXSYS-HIS is highly parameterized and will rarely require customization still we have a dedicated team to take care of this task if need arises.



Some of the performance features:

- **ACCEPTABLE RESPONSE TIME FOR KEY ONLINE TRANSACTIONS**– EXSYS-HIS has employed very efficient algorithm for all the operations where due to large data size, record display tends to be slow. Prudent use of server side programming has prevented this type of problem from occurring by increasing data access speed.
- **INDEPENDENT OF INFRASTRUCTURE CONSTRAINTS**– The application is independent of infrastructure constraints to a very large extent. In case of large organizations where number of concurrent users will be high it is imperative to apply good network design and equipment to provide very efficient services. Otherwise the system requires almost negligible investment in high-end hardware.
- **SIMPLICITY OF BUSINESS RULES**– EXSYS-HIS has been designed for efficient and fast working of end users. A principal design goal was to simplify the business rules and present it to end-users where they can intuitively find it mapping their day-to-day work. It reduces the time taken for any operation and increase productivity

Some of the quality features:

- **RELIABILITY**– EXSYS-HIS has undergone extensive tests at different stages of development as well as implementation in the past. This is to ensure reliability of the software. Testing of the software under various conditions is a never-ending process at our development center.
- **INDUSTRY STANDARD PROTOCOLS**– EXSYS-HIS has been designed and developed keeping industry standard protocols in mind. Our software architecture team works with a clear directive to strictly follow the best from industry in terms of technology as well as practices.



Some of the technology features:

- **EXSYS + ORACLE**– EXSYS-HIS Environment is amalgamation of technical expertise of the best names of IT industry in their respective fields. It has Front End/ Middle Tier on Oracle platform, Backend on Oracle's RDBMS and complete system runs on Windows XP or higher version on client terminals.
- **CLIENT/SERVER TECHNOLOGY** – To achieve best of the resources available architecture of EXSYS-Information System is based on client/server technology. It has been developed on a 4-tier architecture. System uses resources of client terminals in fat client environment.
- **RUNS OVER WAN/ SUPPORT REMOTE USERS WORKING ON TERMINAL SERVER**– EXSYS-HIS can be used over a wide area network using Terminal Servers of proprietary technology like CITRIX. RUNS ON Microsoft Terminal Server (Not Mandatory).
- **DISTRIBUTED COMPUTING**– EXSYS-HIS architecture is based on distributed computing environment. It allows us to fully utilize the processing capability of FAT clients, which are used in majority of the cases as user's terminal/work station, and to work with servers of normal configuration as load on server is reduced.
- **DEVELOPED USING OOAD & AGILE METHODOLOGY**– Entire application has been developed using OOAD and Agile methodology. Object orientation gives the software tremendous flexibility for future extension. Agile methodology has ensured that end users have been an integral part of design & development process.
- **SUPPORTS MULTIPLE FILE TYPES/SYSTEMS**– EXSYS-HIS interacts with multiple file types like image files (.BMP/.JPEG/.DCM etc). Several modules of the application come with option of using barcode or smart card etc. The system supports Dot Matrix, Laser, Ink Jet & Thermal Printers and user organization can choose any combination.



Some of the scalability features:

- **ANY SIZE ORGANIZATION**– EXSYS-HIS has been implemented from sites with 5 user systems to 600 concurrent user systems. It is being used by retail pharmacy shop to tertiary care medical college hospital. It proves the versatility of application and its flexibility to be suitable for organizations of any size.
- **SCALABLE DATABASE SIZE**– The database has been designed in such a way that it can handle data requirements of greater than 1000 bed hospital. It has features for data purging, offline/online data etc. that makes the size of database irrelevant as far as data retrieval / storage etc. are concerned.
- **LARGE NUMBER OF CONCURRENT USERS**– EXSYS-HIS is fully capable of handling any number of concurrent users at any point of time. Using latest equipment for network management, very efficient database software and excellent client/server programming has ensured this.
- **COMPATIBLE WITH INCREASED TRANSACTION VOLUMES**– The database of EXSYS-HIS has been designed in such a way that it can handle rapidly growing record that is expected in any large organization. Prudent Server side programming has been used extensively to achieve this goal.
- **EASILY EXPANDABLE AND UPGRADABLE**– EXSYS-HIS has a very modular design and entire application has Object Orientation in its DNA. This allows us to expand the scope of application as per changing requirements of any organization with ease.



Some of the Integration features:

- **INTEGRATE WITH DIFFERENT PLATFORMS/VENDOR PRODUCTS**– The application has been developed on Oracle technologies but it can interact with products of vendors other than Oracle.
- **EXPORT OF DATA** – EXSYS-HIS allows reports to be exported outside the IS environment. User can convert reports generated by EXSYS- HIS into RTF, PDF or spreadsheet formats.

Some of the security features:

- **DATA SECURITY**– EXSYS-HIS uses RDBMS for storing data which is more secure than DBMS or file based environment of data storage. EXSYS-HIS is compatible with enterprise level RDBMS software like Oracle 11g whose security is unbreakable.
- **NETWORK SECURITY**– In case of large establishments EXSYS-HIS can employ hardware and software systems to ensure network security. This includes monitoring mechanism for network traffic, optical fiber to stop data leakages etc.
- **APPLICATION SECURITY**– EXSYS-HIS has extensive features to ensure security of application like menu level / button level access control. It also has unique features like service level activity control etc.
- **SINGLE POINT OF DATA ENTRY AND DATABASE** – To strictly enforce the integrity of data, several features like locking mechanism, time out functions etc has been employed. These prevent any chances of compromise with data integrity. We have used Sophisticated, Optimized Data Locking Mechanism which has withstood the test of time.



Some of the product vs. custom built features:

- **FASTER TIME TO DEPLOY**– It is very easy and fast to deploy a software product, as the deployment process is well defined, documented and time tested. On the other hand custom-built products takes longer time to deploy as there is no precedent to anticipate any trouble.
- **PROVEN SOLUTION**– A software product is a proven solution so the fear that whether it is workable or not never arises. In case of custom-built application there are several factors, like expertise of people involved, their experience etc. that comes into play.
- **REDUCED MAINTENANCE COST**– Maintenance cost of a product is always less than a custom built solution. Vendor is bound to solve any problem that may arise in future by taking a pre-fixed amount but for custom-built solution cost is proportional to the expenditure required. Probability of such incidents is very high in case of custom-built solutions.
- **PRODUCT IMPROVEMENTS PAID FOR BY VENDOR**– In case of products, any improvement in future is provided by the vendor free of cost or by taking nominal fee. But in case of custom-built application any development will require money just like the earlier attempt to develop solution.
- **CONSTANT MONITORING**– Custom-built solution requires constant monitoring as application is in testing phase even after months of deployment whereas in case of products client can start using the software from the day one with full confidence.

Implementation, some of the features:

- EXSYS follows a very well defined, structured and tested package implementation policy.
- We have developed these set of processes keeping in mind the uniqueness of each user's environment.
- We recognize, understand and respect the fact that "Core Business Activities" of user organizations comes first and package implementation process must not hinder it in any way.



Cairo Office

11 Ahmed Hassan St.,
9th Area, Nasr City
T : +20(2)2472-8636
F : +20(2)2470-0378
M : +20(10)055-55959

Dubai Office

M : +971(50)6400-779

Jeddah Office

Al-Tahleia St.
Al-Solaimani Plaza. 3rd Floor
T : +966(2)261-2666
F : +966(2)614-1060
M : +966(54)498-2000
P.O.Box : 126551 Jeddah
21353, Saudia Arabia

Riyadh Office

Al-Seteen St.
Platinum Centre. 4th Floor
T : +966(1)475-5024
F : +966(1)475-9950
M : +966(54)122-2752
P.O.Box : 68390 Riyadh
11527, Saudia Arabia



FEEL FREE TO CONTACT US AT ANYTIME

Egypt

Working Hours **9:00 AM to 6:00 PM CLT**

Saudi Arabia

Working Hours **9:00 AM to 1:00 PM**
& **5:00 PM to 9:00 PM SLT**

Visit our website

www.ExsysSolutions.com

or Email Us

Info@ExsysSolutions.com

Twitter

<http://www.twitter.com/ExsysSolutions>

Facebook

<http://www.facebook.com/ExsysSolutions>

© All Rights Reserved to **Exsys Solutions™**, 2000-2012

