

# ERA INFOSOFT

*Compassion. Innovation. Trust.*

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## Introduction

ERA INFOSOFT, the proprietor company started its operations in 2019 with the goal of standard software products development. Starting with limited resources and only programmer, ERA INFOSOFT now has a self owned, well equipped & furnished office premises in the prime location of Pune, India and a team of qualified programmers & support staff. For the promotion and maintenance of the products, the company now has several associates in various cities and Country.

## What We Do

Having focused on the medical, health care & diagnostics segment, ERA INFOSOFT has produced unique state of the art software packages like Era-LIS & ERA-HIS which are considered as 'industry standards' in the diagnostic reporting and hospital management respectively. With the diverse experience gained from several big & small installations, all the products are fine-tuned to meet every specific need of the hospitals & diagnostic industry. ERA INFOSOFT has also earned high recognition for its highly technical services & software automation in the field in instrument interfacing, barcode implementation, imaging, etc.

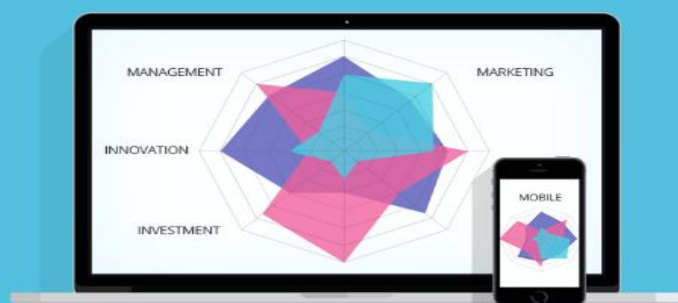
At Era Infosoft, our mission is to help our customers create innovative services and solutions and grow their businesses, for that purpose, we provide rich technology competencies, domain expertise, and passion for quality of our software professionals. With expert IT professionals on board, we can effectively handle software projects of any scale and complexity.

## Present Scenario

Today, ERA INFOSOFT has a very sound customer base which includes clients from Corporate Hospitals Medical Colleges, Educational & Research Institutions, Diagnostic & Health Care Centers, 24x7 Pathology Labs (big & small), Blood Banks, Clinical Reference Labs, Immigration Heath Checkup Centers and several private/trusts/NGOs hospitals/clinics/nursing homes, etc. Such variety of customers, apart from building confidence, has enabled ERA INFOSOFT to fine-tune their products so as to provide specialized functions & features with efficiency, reliability.

As a part of strategic move, apart from standard, ready-to-use, software packages, ERA INFOSOFT now also provides customized software project development in selected medical/health care & diagnostic segments. ERA INFOSOFT envisions a future expansion of all its software packages, along with specialized customization, to keep it up-to-date and hold its per-eminent position in the market. A team of qualified and very enthusiastic system analysts and software engineers are capable of handling any kind of software challenges. With in-depth understanding of the relevant markets, we maintain a minimal time lag between software upgrades and quick development of highly flexible & user-friendly software. ERA INFOSOFT is all set to become a powerful source in this upcoming health care & diagnostic industry.

## Why Us



### Flexible Solutions

We build flexible, modular, and scalable software solution through extensible architectures which is simple to implement.



### Quality Code Matters

Quality code matters to us and it should matter to clients. This is significant when clients want to add new features, cross platforms, or make updates down the road.



### Global Development

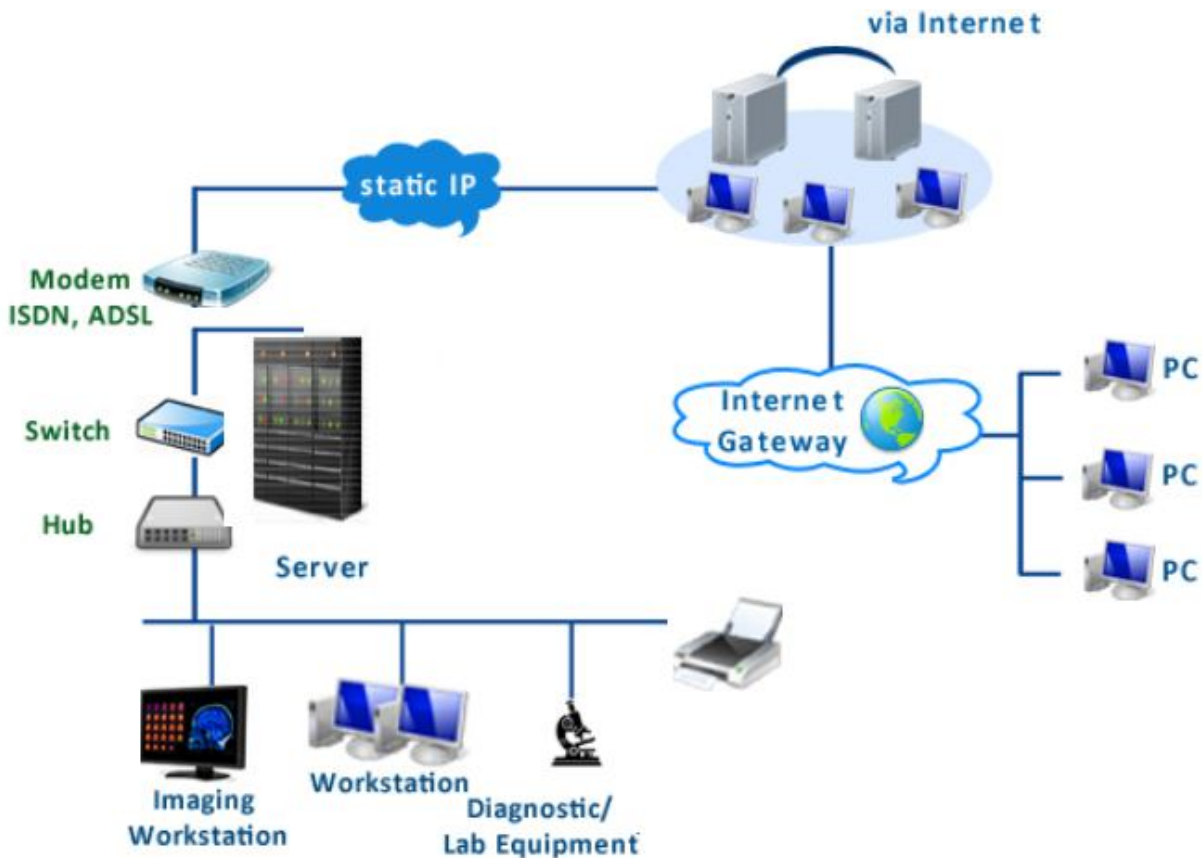
As a global enterprise Era Infosoft helps organizations to manage mission-critical applications and ensure around-the-clock availability to deliver services to customers in a cost-effective and timely manner as a critical factor of business success.

## ERA Software Specification

System Model and Specifications	
Functional Description	
2.1 Describe the model used by the system. For example – client-server, web service, thin client, ect.	Its web based software. It is is N tier architecture system. Front tier – Asp.net 2.0 Middle tier – C# Backend – MSSQL Server 2008. Reporting tool – Crystal Report
2.2 In the case of multiple centres sharing a system, is the data centralized?	Yes, Software is hosted on Centralized Server. Software and database is accessed from Centralized web server only.

## ERA – ARCHITECTURE LAYOUT





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Software based on an N-Tier architecture, which has the following characteristics:

- **Scalable** – The system can easily be scaled to meet present and future needs. Simply add more middle tier servers as the number of clients increases
- **Highly Available and Redundant** – At the middle tier level, there can be more machines than necessary to perform the daily operation of the Diagnostic centre. If one machine fails, the others can take over the workload of the failed unit
- **Load Balanced** – LIS randomly allocates the clients to different middle tier servers to spread the load evenly. This prevents one middle tier server from becoming a bottleneck
- **Flexible** – Business logic components on the middle tier can be upgraded easily and efficiently in one central location
- **High performance** - The software development process employed by BMSolution includes an unusually high level of performance tuning. This helps to achieve staggering transactional volumes on relatively modest hardware. The software development environment used by our programmers includes several powerful analysis tools. These tools can be used to monitor transactions at test site or even in production if necessary. It is not necessary to schedule batch jobs for intense tasks to run off-peak - even database intensive tasks such as calculating Accounts Receivable, Aging Analysis, MIS Generation, or doing a full payroll run can be executed during the working day.

## Application Software Development Method

S. No	Description	Specification
1	Front end	ASP.NET 4.0, AJAX, Crystal Reports, Java script
2	Server Operating System	Windows 2003/2008 R2
3	Application Server	IIS 7.0
4	Client Operating System	Any windows OS
5	Solution Architecture	n – Tier, Web Enabled, Client - Server
6	Database Management System	SQL Server 2008 R2
7	Reporting Tools	Crystal reports, Data Reports
8	Backup, Archiving and Purging	Automatic Scheduled and Server specific
9	Security	Standard software and Hardware firewalls, System Security of APPLICATION SOFTWARE

- Archival process is an integral part of the database facility now a day in advance RDBMS like SQL Server 2008 R2. / SQL Server 2014 R2.
- The program works on cut-off dates with link to synchronize the data.
- Back up is supported incrementally and fully by both, application as well as RDBMS
- Individual tables can be restored thru program and scripts.
- A time dependent scripts schedule batch jobs and backups.

# FUNCTIONAL SPECIFICATION

## *PRODUCT PROFILE – APPLICATION SOFTWARE*

**Software** has been designed to address the growing needs of healthcare industry. From a healthcare industry focused company, process oriented, parameter driven, enterprise management solution **Software** aims at a fine balance between quality of care and efficiency of information turnaround.

**Software** manages in real time the patient care, clinical and resource information and help financial, material, resource and people planning to attain your vision of delivering healthcare efficiently.

**Software** is a comprehensive solution designed to automate the activities of the Software. It is designed with an easy-to-use user interface. System has the capability to administer the total enterprise & efficiently manage information.

The system is designed modular. Integrating modules and adding users allows the flexibility to the user to plan implementation in phases.