

Case Study

Hospital Management and Information System



CUSTOMER

One of the prominent hospital which is having wings in all over the country in India is our reputed client and they want to automate all their hospital processes. The system should be powerful, flexible and easy to use solutions which deliver real conceivable benefits to hospitals. Their administration aim to provide more accuracy and easy usability to streamline hospital administration.

HMIS

The HMIS is a revolutionary solution with end-to-end features for simplifying hospital management and it is designed to cover a wide range of hospital administration and management processes. The system features unparalleled flexibility and scalability, comprehensive report types, intuitive visuals and dashboards-supported quality. A sample diagram about the system is given below:



FEW MODULES:

- Patient Administration
- Doctors
- Nursing
- Ward
- Theater Management
- Laboratory
- Radiology & Imaging
- User Management
- Blood-bank
- Physiotherapy
- Dieting
- Bio-medical
- Housekeeping
- Complaints
- Pharmacy
- General Stores
- Human Resource



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TECHNOLOGIES USED

Requirement Analysis : Enterprise Architect

Design : Enterprise Architect

Operating System : Windows

Architecture : ASP.Net 4.0, WPF, WCF Rest Services, MVC

Database : SQL Server 2008

CHALLENGE:

A Hospital Management System which balances the needs of the administrative crew and other support staff in the hospital and allows tracking of every action associated with patient management. Hospital administration being a critical operation, the system had to interact with external hardware and provide real-time updates across all terminals.

SOLUTION:

The HMIS provides an effective solution to hospitals that plan to reduce the costs of administrative and clinical transactions, and at the same time, provide better service to their consumers

- It aids hospital administrators by significantly improving operational control and streamlining operations.
- It enables improved response to demands of patient care because it automates the process of collecting, collating and retrieving patient information.
- Clinical pathways mapped to the system improve diagnoses and treatments offered.

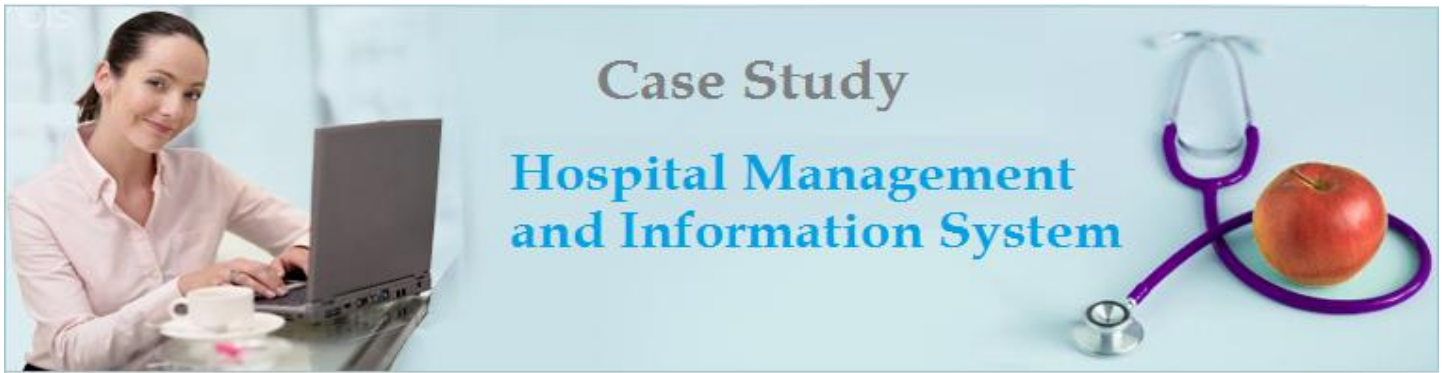
Ambulatory includes

- *Ambulance scheduling*
- *Personnel scheduling*

Medical Equipment

Management includes Equipment details, AMC details, Log sheet, Stock Management etc...





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- It provides doctors and hospital staff with the decision support system that they require for delivering patient care, which is comparable to global standards.
- By enabling an automated and intelligent flow of patient information, the HMIS enables hospitals and doctors to better serve their patients

.. Helps in efficient hospital management by managing Doctor's appointments, Surgery, Pathology, Radiation, Visit, Flow Sheets, administrative activities of a hospital.

HIGHLIGHTS
Challenge : <ul style="list-style-type: none"> ➤ Poor management of administrative crew ➤ Need for real-time updates ➤ Unsatisfied customer service Solution : <ul style="list-style-type: none"> ➤ HMIS provides effective administration ➤ Real time updates across all terminals ➤ Better service to customers ➤ Patient information automation ➤ Streamline operation control

BENEFITS

- The HMIS provides a host of direct benefits such as easier patient record management.
- Reduced paperwork, faster information flow between various departments, greater organizational flexibility.
- Reliable and timely information, minimal inventory levels, reduced wastage.
- Reduced waiting time at the counters for patients and reduced registration time for patients.



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Contact Us

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- The indirect benefits would be an improved image of the hospital and increased competitive advantage.
- Increase the profitability of the organization.

For your Feedback or Information Contact

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