# HOSPITAL MANAGEMENT AND INFORMATION SYSTEM

Shree Saibaba Heart Institute and Research Center (SSHIRC) were born out of the desire to provide affordable and state-of-the-art healthcare to the citizens of Nashik.

The hospital is committed to ensure the holistic well-being of all patients. Led by Dr. Dharmadhikari, the hospital is well equipped to deal with minor, major and supra-major cardiac cases.

Hospital operates round the clock and offers 24 - hour cardiac ambulance, medical store, radiology and pathology laboratory services. Hospital offers the best facilities to ensure the maximum care and comfort of our patients. Their comprehensive medical check-up programmes are beneficial to all. They are also equipped with a Cardiac Rehabilitation Center which offers professional guidance on post-surgical diet, exercise, yoga, etc.

## The Need

Shree Saibaba Heart Institute and Research Center (SSHIRC) were required a hospital management solution, which balance the needs of the administration crew and other support staff in the hospital and allow tracking of every action associated with patient management. Hospital administration being critical operation the system had to interact with external hardware and generate real time report.

Shree Saibaba Heart Institute and Research Center was rely on their manual processes to manage hospital functioning which not efficient and are very time consuming. Lack of appropriate information system leads to delayed decision making affecting operational efficiency and hence the business. Also lack of transparency in the processes across the organization results in loss of control over operations.

**Healthcare providers like Shree Saibaba Heart Institute and Research Center face issues in the existing systems like:**

➤ Lack of Security and Maintenance of data

➤ Lots of manual and paper work

➤ Lack of transparency and accountability

➤ Lack of real time monitoring, control and decision making process through MIS

➤ Inefficiency in consolidation of data across locations

➤ Duplication of work across locations

## Our solution

ESDS HMIS streamlines and integrate the operation processes and information flow in the hospital to synergize the resources namely men, material, money and equipment through information.

Web based HMIS that helps Hospitals to automate their key processes – Clinical, Financial and Administrative resulting in higher efficiencies and faster turnaround time. The system incorporates best healthcare practices and is designed to deliver key tangible benefits.

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|---|---|
| Web Based | Workflow Driven |
| Faster TAT | Paperless Operations |
| Customizable EMR | Resource Optimization |

The software facilitates hospital-wide Integrated Information System covering all functional areas like Out-Patients & In-Patients, Accounts & Billing Management, Masters Data, Patient Beds, Visiting Consultants, Medical Stores, Pathology Laboratories, Radiology Laboratories, Pharmacy, MIS reports etc.

It performs core hospital activities and increases customer service thereby augmenting the overall Hospital Image. The software bridges the information gap across the hospital.

**The HMIS provides an integrated Solution to the Hospital, which**

➤ Helps in Efficient Management of the Hospital

➤ Enhance Patient Care

➤ Improve work efficiency

➤ Improve Fiscal Control

➤ Eliminate the chances of any Pilferage

➤ Enable the Growth of the Hospital

## Technology Snapshot

➤ Language: .Net

➤ Framework: .Net Framework 4

➤ Operating system: Windows

➤ Database : MS SQL server 2012 R2

**"Comprehensive, Flexible and Easy to use Hospital Management Solution leading to better patient care and healthier operation management"**

ESDS has developed system which is intended to manage medical records and provide billing services for the hospital. It had to provide an intuitive interface to allow hospitals staff to easily admit patients, records services provided and capture payment information.

ESDS developed web based HMIS that helps Hospitals to automate their key processes – Clinical, Financial and Administrative resulting in higher efficiencies and faster turnaround time. The system incorporates best healthcare practices and is designed to deliver key tangible benefits to client.

**"ESDS has developed a HMIS solution which is very accurate in its approach and suits all environment including large, medium and small hospitals"**

## HMIS FEATURES :

➤ **Fully Integrated Solution**

➤ **Easy to Use and Learn**

➤ **Streamlined Operations**

➤ **Modular Design**

➤ **Enhanced Performance**

➤ **Complete Security**

➤ **User-friendly, easy to use and web enabled applications**

➤ **Multi-level distributed hospital information system**

➤ **Security & Privacy (Authentication, authorization, privacy policy)**

➤ **Efficient hospital management**

## End-to-End Hospital Management Modules

➤ **IP MODULES**
Admission, Discharge, IP Transfer, OT Scheduler, Bed Management, IP billing, Insurance & TPA, Package management, ward information system and Discharge summary.

➤ **LABORATORY MANAGEMENT**
Radiology, Pathology and other Diagnostic centers

➤ **IP MODULES**
Admission, Discharge, IP Transfer, OT Scheduler, Bed Management, IP billing, Insurance & TPA, Package management, ward information system and Discharge summary.

➤ **ADMIN MODULES**
User Management (Security and Access management), Audit trail, Administrator dashboard, Master data and MIS Reports

➤ **ACCOUNTS & BILLING**
OP/IP Billing, Insurance & TPA management, Payments, Bill receipts and Outstanding Payable & Receivables.

➤ **STORES and INVENTORY**
Item details, Vendor details, Purchase order, Scrap material, Issue and return material, sale return, Maintain stock, Re-order level, Invoices, Good receipt notes and Reports

➤ **PHARMACY**
Issue of medicine to IPD and OPD patients, issue credit note, return items, outstanding items, stock details, re-order level and reports

### HMIS at Glance

➤ Easy management of patient, insurance and corporate tie ups

➤ Single Integrated view of patient's details, Billing, patient medical history, Discharge Detail etc.

➤ Instant decision of Bed allocation for Patients and request for the Bed Transfers

➤ Automated calculations of all payments (Doctors, Consultants or RMO Charges)