

Hospice TM

Hospital Information Management System



Solution By: Octaware Technologies

www.octaware.com

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Silver Cloud Productivity
Silver Communications

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Hospital Information Management System (HIMS)

- **Enquiry & Registration Module**
 - Patient, Doctor & Employee Enquiry
 - Medical Record
- **Appointment Module**
 - Time Slot
 - Book Appointment
- **OPD/IPD Module**
 - OPD Visit
 - Admission
 - Discharge/Transfer
 - TPA Management
- **Accounting Module**
 - Daily Transaction
 - Settlement & Cancellation
 - Other Business Income
- **Administration & Masters Module**
 - User
 - Master & Basic Setting
- **Asset Management Module**
 - Inventory
- **Scheduling Module**
- **LIS Module**
 - In-House & Other Pathology Reports
 - Mapping
- **Alert & Notification**
 - SMS Alert
 - Preferred Ward
- **Reports**
 - MIS
 - Accounting & Billing
 - Asset Management & Scheduling
- **Dashboards**
 - Monthly & Daily
- Fully Web Based ERMS solution
- Multiple Dashboard based Daily & Monthly
- Multilingual, Support all languages including (English/Arabic etc.)
- Multi-Currency Support
- Multi Branch handling for Ease of Operations
- Full Role Based Access
- Full Automated, from Patient Enquiry to Patient Discharge
- Ease of Configuration
- Web Services based architecture using Zachman Framework.
- User/Organization level Privacy Options. Fully configurable

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1 About Octaware Technologies

Octaware Technologies is a global software development and information technology company with offshore development center in India and offices around the world in countries like USA, Qatar, Saudi Arabia, UAE, Nigeria & Zimbabwe. Combining proven expertise in technology, and an understanding of emerging business domains, Octaware delivers a range of products & services as below -

Products	Services
» PowerERM	» Custom Software Development
» iOnAsset	» Enterprise Portal
» Hospice	» ERP & CRM Implementation
» RealWin	» Consulting Services
» eDocNet	» Mobile & RFID Solutions
» eQuire	» Cloud & Infrastructure Services
	» GIS Services

Octaware Technologies positioned as one of the emerging Software Services and product companies in various areas of application development, maintenance & Support, Portal Technologies, CRM/ERP implementation, RFI/GIS and CAD Services.

Our products provide comprehensive security-protecting the privacy and integrity of the data while increasing the productivity and the efficiency of the processes. Octaware Technologies offers high caliber products with a bid to provide locally developed solutions, which are pragmatic and user-friendly. We engineer and design reliable products and services to help businesses and communities thrive and perform better. We focus on creating value by understanding our customers, working side-by-side to develop solutions that make our customers, experience technology which are simple and manageable. Octaware is one of the world's leading software companies, providing solutions to the world's largest and most successful businesses. The company is focused on making technology and its benefits accessible to all. Octaware has combined its ingenuity, engineering prowess and customer focus to help people around the world apply technology in meaningful ways to their businesses, communities and to their lives. Octaware utilizes the power of innovative positioning technology to provide real business benefits through radio-frequency identification. Octaware fueled by its fresh thinking and unique ideas creates more valued experiences with technology.

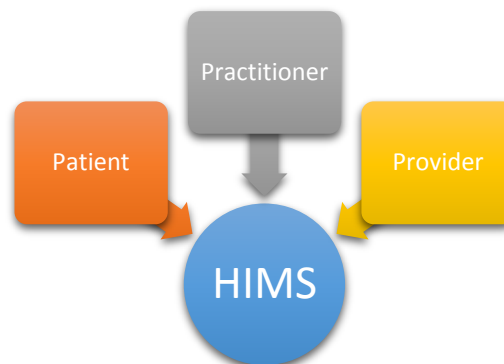
2 Preface - Hospital Information Management System

Healthcare is very important part of our society and it is compulsory for healthcare provider to do their jobs in an efficient way. Healthcare facilities face a challenging task to provide a proper care to patients and to manage clinical, financial and operational information. Traditionally, this data was organized manually, which was time consuming and failed to deliver the desired level of efficiency. Hospital information management system help them manage all their medical and administrative information.

Octaware HMS is an integrated information system designed to manage the Administrative, Financial and Clinical aspects of a Hospital. HMS provides very effective policy decision making tools for middle & top level management. HMS provide strong front-end for hospital user for the customized and re-engineered processes to ensure optimum utilization of equipment and manpower.

IT in Health Care - Vision

P3 - Connecting Patients, Practitioner, Providers



Benefits to Hospital

- Ease of Usage & faster patient processing
- Improved operational control
- Improved Quality Care
- Streamlined operations
- Improve response time
- Effective Accounting
- Increase workforce productivity
- Enables healthcare facilities and physicians to better serve their patients
- Maintaining hospital records and their fast retrieval
- Powerful security features
- Historical Data preservation, inquiry and display.
- Electronic Dynamic Reporting

2.1 HIMS Solution

The HIMS is the basic building block of the system and creates a powerful web application. The backbone of this portal is a comprehensive database, which creates a centralized repository for medical and Administrative information which then becomes available to practitioner as well as to provider.

The main features of Octaware Hospice include Modular Structure, Integrated Design, Multi Level Security, Easily Customizable, GUI Based and User Friendly.

HIMS is a complete solution for Hospital Information Management System. It includes following:

- **Enquiry & Registration Module**
 - Patient, Doctor & Employee Enquiry
 - Medical Record
- **Appointment Module**
 - Time Slot
 - Book Appointment
- **OPD/IPD Module**
 - OPD Visit
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 - SMS Alert
 - Preferred Ward
- **Reports**
 - MIS
 - Accounting & Billing
 - Asset Management & Scheduling
- **Dashboards**
 - Monthly & Daily

2.1.1 Web based Hospital Information Management System

Hospice provides a web based solution of Hospital Information Management for small, medium to large Healthcare organization.

Hospice

Login

Branch:

User Name:

Password:

[Forgot Password](#)

Hospice

Hi, admin Branch: Ghatkopar

Patient Enquiry

Patient Name: Contact Number: Age: Registration Number:

Registration Number	Name	Telephone (Office)	Telephone (Residence)	Mobile	Birth Date
PR-178-20130731	rajat muneshwar sahani	2255446633	2255446633	9004762491	7/9/2013 12:00:00 AM
PR-176-20130730	Suhail s sah	5555555555			7/1/2013 12:00:00 AM
PR-177-20130730	Khan K Khateeb	2255446633	2255446633		7/30/1989 12:00:00 AM
PR-175-20130729	Aditya syam birala		2255446633	9773309238	7/1/2013 12:00:00 AM
PR-174-20130717	Ismail Khan		8976345876		7/17/1985 12:00:00 AM
PR-173-20130304	Priya s		2255446633	9782145445	3/29/2011 12:00:00 AM
PR-169-20130105	Ashok Patil			9975424810	3/29/1965 12:00:00 AM
PR-170-20130105	Pramila Prajapati			7738279148	1/5/1987 12:00:00 AM
PR-171-20130105	Zaheeda Shaikh			9892906746	1/5/1953 12:00:00 AM
PR-172-20130105	Vanita B Chivlikar			9819605993	1/5/1955 12:00:00 AM

Displaying 1 - 10 Out Of 39 Records

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2.1.2 Enquiry & Registration Module

Enquiry & registration module help you to handle the front desk pressure without much effort and very effectively manages the enquiry related to patient and Doctor. The module provide user-friendly registration form covering all detail of the person from personal, medical and demographic details.

Hi, admin Branch: Ghatkopar

Hospice Online New View/Modify

Patient Registration

Personal Information

First Name * Mr. Middle Name Last Name * Date 08-Aug-2014

Weight (kg) Height (cm) Gender ☒ Male ☐ Female ☐ Other

Birth Date * (MM/DD/YYYY) Age Birth Time 00 00 Marital Status ☒ Single ☐ Married ☐ Widow

Mobile Telephone (Res.) Telephone (Office)

Email Id Religion Select Blood Group Select

Current Address Information

Line 1 Line 2 City

Country --Select-- State --Select-- Pincode

Permanent Address Information

Additional Information

Photo

Save Clear * fields are mandatory

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It has following features

- ✓ Automatically generates unique registration no.
- ✓ Captures detailed information of a personal
- ✓ Enquiry assistance for current In-patient details
- ✓ Complete clinical data repository for Medical Records with built-in reports and user-oriented report-writing capabilities.

2.1.3 Appointment Module

Appointment module facilitates effective scheduling of appointments of patients with the doctors. Allow the doctors and nurses to view available time slot and availability of free time slot.

It has following features

- ✓ Availability & Time slot of Consulting Doctor
- ✓ Booking of multiple appointment slots
- ✓ Appointment Cancellation / Re-scheduling
- ✓ Reminder vis SMS alert

2.1.4 OPD/IPD Module

OPD/IPD Module takes care of visits, admission, discharge and billing process of a patients.

It has following features

- ✓ Comprehensive form for collection of data regarding the patients
- ✓ Recording the doctors and nursing notes for further references
- ✓ Managing a billing & payment process
 - Interim Billing
 - Final Billing & settlement
- ✓ Clinical Packages management

The screenshot displays the 'Hospice System' web application interface. The top navigation bar includes the user 'Hi, admin', the branch 'Ghatkopar', and a settings icon. A sidebar on the left lists various modules: Enquiry, Registration, Appointment, OPD, IPD, Accounting, Administration, Masters, Asset, Scheduling, LIS, Alert & Notification, Reports, and Dashboard. The main content area is titled 'IPD > Admission' and contains a 'Patient Details' section. This section includes a 'General Admission' tab, a 'Patient Type' dropdown, and a form for admission details. The form fields include: Admission Date/Time (08/11/2014 08:45), Admitting Doctor (Mandar shinde), Referring Doctor (Yogendra Dubey), Preferred Class (Rose), Allotted Class (Rose), Room (Rose), Bed (Select), Diagnosis (Injuries, Poison and Tr), Emergency Contact Person, Emergency Contact Number, and Relationship With Patient. A 'Contact Person Photo' section is also present. The bottom right of the form has 'Save' and 'Clear' buttons. The footer of the application states '© 2012, Octaware Technologies. All Rights Reserved'.

2.1.5 Accounting Module

This Module provides daily transactions, other business income, cancellation and settlement enabling a current, consolidated view of the financial system. Payment paid to vendors and Doctors payment settlement can be done through this channel.

It has following features

- ✓ Doctors Payment Settlement
- ✓ Vendors Payment
- ✓ Cancellation management
- ✓ Other source of income detail entry

The screenshot shows the 'Add Service Income' form in the Hospice Accounting Module. The form is titled 'Add Service Income' and is located under the 'Other Business Income' section. It includes a sidebar with navigation options: Enquiry, Registration, Appointment, OPD, IPD, Accounting, Administration, Masters, Asset, Scheduling, LIS, Alert & Notification, Reports, and Dashboard. The main form area has a header with 'Hi, admin' and 'Branch: Ghatkopar'. Below this, there are dropdown menus for 'Branch' (Ghatkopar), 'Month' (August), 'Year' (2014), and 'Business Type' (Joint Ventures). The form contains a table with columns 'Department', 'Service', and 'Amount (INR)'. The table has four rows: 'Charges' with 'Dr. Amit Shobhavat Consulting Charges' for 4500, 'Medicine' for 5000, and 'Hospital Services' for 12000. Each row has a 'Remove' button. An 'Add' button is on the right. Below the table, there are fields for 'Total Income (INR) 21500', 'Discount Amount (INR) 2175', 'Net Income (INR) 19325', and 'Hospital Income (INR) 1932.5' with a note '10% on Net Income'. 'Save' and 'Cancel' buttons are at the bottom.

Department	Service	Amount (INR)	
Select	Select	0	Remove
Charges	Dr. Amit Shobhavat Consulting Charges	4500	Remove
Medicine	Medicine	5000	Remove
Hospital Services	Operation	12000	Remove

Total Income (INR) 21500
Discount Amount (INR) 2175
Net Income (INR) 19325
Hospital Income (INR) 1932.5 10% on Net Income

Save Cancel

2.1.6 Administration & Master Module

This module assist in the management of medical and non-medical personnel. With this module you can add, modify and delete user. With master section is a high level user module which allows the administrator to configure the various parameters and access controls across the HOSPICE software.

It has following features

- ✓ User Role Manager
- ✓ Master Setting
- ✓ Basic Setting

2.1.7 Asset Management Module

Our assets management module is designed to help you manage your various assets which are present within the hospital. The asset module consists of various options which allow you to select a particular asset and select or assign a particular item number to that asset for asset management.

2.1.8 Scheduling Module

This module keeps track of hospital staffs schedule. It help you to know Employee availability. It also maintains shift timings of the staff. This module will be extended module of appointment scheduling.

It has following features

- ✓ Staff Schedule
- ✓ Shift timing
- ✓ Task Resource Allocation

2.1.9 Laboratory Information System

The Laboratory Information System (LIS) module assists the user in handling all the activities of a clinical laboratory in the hospital and facilitates extensive sample tracking and maintenance of complete result history. In this module, User can feed data related with the samples and generates a reports. Test result entered manually related with sample type for one tests.

Hi, admin | Branch: Ghatkopar

Other Lab Patient Details | Other Pathology Master | Other Pathology Rates | Other Pathology Transaction

Parameter Master | Parameter Value | Report Master

Parameter Masters

Search

Enter Parameter Name: Report Type: Search

Parameter Name	Print Parameter Name As	Report Type	Unit/Measure
(FIRST MORNING SAMPLES PREFERABLY).	(FIRST MORNING SAMPLES PREFERABLY).	Pathology	
measures X mm, normal in size no solid or cystic mass lesion is seen.	measures X mm, normal in size no solid or cystic mass lesion is seen.	Sonography	
• Both psoas shadows are faintly visualized.	• Both psoas shadows are faintly visualized.	Xray	
• Both the renal shadows are faintly visualized.	• Both the renal shadows are faintly visualized.	Xray	
• No abnormal calcification seen.	• No abnormal calcification seen.	Xray	
• No abnormal soft tissue shadow seen.	• No abnormal soft tissue shadow seen.	Xray	
• No obvious radio opaque calculus density seen in the region of KUB.	• No obvious radio opaque calculus density seen in the region of KUB.	Xray	
• Soft tissue shadows are normal.	• Soft tissue shadows are normal.	Xray	
• The visualized gas pattern appears normal.	• The visualized gas pattern appears normal.	Xray	
• Visualized bones are normal.	• Visualized bones are normal.	Xray	

1 2 3 4 5 6 7 8 9 10

New

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2.1.10 Alert & Notification System

Hospice has self-service unified notification system that allows hospital management to send time-sensitive messages to large groups of people - wherever they are, instantly, effectively. Use it to alert employees, staff, volunteers, visitors and others.

2.1.11 Reports

This module gives a record of the patient specific or Physician wise details on the various statuses and services being scheduled, financials and payments reports, patient wise and Physician wise details on the total collections and outstanding amount, Patient related reports, Demographic wise, illness wise, analysis of the treatment and care provided by the hospital.

Hi, admin Branch: Ghatkopar

Transaction Details Self Payee Collection MediClaim Collection Income Report Outstanding of Patient StakeHolder Payment Daily Account Daily Summary

Reports > Accounting Transaction Details

Branch: Ghatkopar From Date: 08/01/2014 To Date: 08/12/2014 Category: All Category Type: All

Generate

SAI Group of Hospitals
Vinabha Bhawe Marg Andheri Mumbai Maharashtra Pin 400068 PH NO 8291182911

Transaction Details Date: 08/01/2014 To 08/12/2014

S.No	Transaction No.	Transaction Date	Type	Amount (INR)	Payment Mode	Entered By
1	TXN-44-20140811	8/11/2014 12:00:00 AM	Deposits	86300.00	Cash	admin

Total Amount: 86300.00
Amount in Words: Rupees Eighty Six Thousand Three Hundred Only
User Name: admin
Date: 8/12/2014 12:24:38 PM
Record Count: 1
Page Number: 1 of 1

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2.1.12 Dashboard

ERMS has a facility for entering time sheet for every employee in an organization. It provides weekly time sheet for entry. Time sheet has an option to select billable or non-billable project option. Thus it gives a complete hours allotted on a project and automated invoice can be generated at the end of month for a T&M project.

2.2 Systems Requirements:

2.2.1 Hardware Requirements

- Pentium based web server. A shared server can be easily used

2.2.2 Software Requirements

- HMS application
- Microsoft .Net 3.5 Framework
- Microsoft SQL Server 2008 or higher
- Microsoft Internet Information Services 7.0
- Microsoft Windows Server 2005 or higher

3 Advantages of Complete System

- Less Maintenance
- Connect multiple branches easily
- Access software from anywhere, anytime
- Remote support system never gets you breakdown.
- Never Slows down, browser based software
- Easily upgradable
- Complete database driven
- Integrated with all depts. of hospital
- No papers, complete EMR record online
- Patients can be registered from any location.
- Huge income opportunity can be possible
- Business can be more using Hospice HIMS
- SMS alert facility
- MIS access from anywhere

4 Appendix - A

4.1 Some Octaware Client Feedback



"Octaware Technologies is a great partner. Their staff is professional with top-notch skill sets. We can think of nobody better than Octaware Technologies to entrust our software services"

Nasser Saleh, AGM IT & Operations (CIO), Dlala Holding Qatar. Leading investment



"AskMe takes great care in identifying and selecting long-term partners. Octaware Technologies as our new partner has provided us with an efficient, flexible, and cost-effective solution
Exceeding our expectations"

Anil Kumar, General Manager AskMe

<http://www.askme.com/> : AskMe provides proven, cost-effective software and services for collaboration and knowledge management



"Octaware Technologies was quick and accurate in understanding our business needs and provided creative solutions. They are very conscious of their client's time and money, but at the same time willing to spend as much time as needed with their customers. We would recommend Octaware without hesitation."

Hossein Mousavi, Co-founder, VP of Product Development

<http://www.mporia.com/> : mPoria enables merchants to market and sell their products via mobile phones.

Worksharpergonomics

"Octaware Technologies understood our need and provided creative solutions with in depth analysis. They are very conscious of the quality of the deliverables and are willing to go an extra mile to ensure the quality work gets done. We would recommend Octaware without hesitation." –

Robin Gill, Director and founder, 1092923 Alberta Ltd: Alberta Ltd. provides the e-Learning management system in the area of healthcare.

4.2 Global Presence & Capabilities

- 2 Software Development centers in the city of Mumbai & Pune, India

- Offices Globally:
 - Seattle, USA
 - Singapore
 - UAE
 - Qatar
 - Saudi Arabia
 - Nigeria
 - Zimbabwe



Our Membership -

- » National Association of software & service Companies (NASSCOM)
- » Electronics and Computer Software Export Promotion Council, India (ESC)
- » Micro, Small & Medium Enterprises Associations (MSME)
- » International Association of Microsoft Channel Partners (IAMCP)
- » Washington's Technology Association
- » Indo-Arab Chamber of Commerce & Industries (IACCI)
- » Data Security Council of India (DSCI)

4.2.1 Octaware Research and Development

Octaware offerings are backed by its investment in Research and Development in cutting edge technology. Octaware management believes and invests heavily in the research and development areas of the new technology. The Emerging Technology Group (ETG) continuously evaluates the new offering in the technology domain and builds expertise within the organization.

4.2.2 Octaware Consultants

At Octaware, technology specialists and business management experts share expertise to gain a thorough insight into the client's business, and look for innovative ways to apply technology for lasting solutions. We believe in enhancing the competitive edge of our customers by providing the best of the IT solutions meeting their needs.

4.2.3 Octaware Quality - a key business driver

The quality is embedded in Octaware software development life cycle processes. From the inception of the project to the end, at each level the quality of the deliverables are quantified and evaluated. The Quality Assurance team at Octaware works very closely with the Development team to ensure the end deliverables meets the requirement.

4.2.4 Octaware Alliances

Octaware increases the diversity of its offerings through strategic alliances and vendor membership with the global leaders in technology and e-Business, such as Microsoft. The Microsoft membership allows the Octaware to be in touch with the latest happening in the IT industry and evaluate the offering for our customer best use before the technology is released.

4.2.5 Octaware Products & Business/Technical Verticals

Besides providing end-to-end solutions to its clients, Octaware also develops and markets innovative software products and tools for the worldwide market. The Octaware has the e-Learning platform for the organization to deploy and publish the e-Learning needs. Octaware e-Learning provides an enterprise with the complete end to end e-Learning Management solution. At Octaware the groups are segregated by Industry practices and Service Practices to gain both the domain and technical knowledge. The IP and SP are as follows

Industry Expertise: Healthcare, Education, Government, Telecom, Oil & Gas, Banking & Financial, Real Estate & Construction and Manufacturing

Service Expertise: Custom Software Development, Enterprise Portal Services, ERP/CRM Implementation, Mobile & RFID Solutions, Cloud & Infrastructure Services, Geospatial Services & Consulting

Octaware provides end-to-end IT consulting and software services to its clients.

Octaware offers products and services in e-Business, Application Development, Architecture & Technology Consulting, Engineering Services and Infrastructure Development, across verticals such as Airline, Banking, Financial Services, Oil & Gas, Insurance, Telecom, Manufacturing, Retail, Transportation, Healthcare, Government and Utilities.

Octaware' proven combination of established methodology, quality processes, experienced project management, skilled business analysts, deep technical integration ability and knowledge results in maximum return on investment and lower risk for our customers. In

4.3 Emerging Technology Group (ETG)

Octaware has well defined Emerging Technology Group to track the technology changes in the industry. The ETG serves the project by training the new resources in the project technology with its repositories of best practices and technology knowledge. The senior resources of Octaware are assigned to the ETG. On completion of the project, the best practices are compiled by ETG for reuse. The ETG adds value to the customer project by jump starting with reusable components/best practices/ coding guidelines.

