



# OPHTHALMIC EMR



WITH

INTEGRATED HOSPITAL MANAGEMENT SYSTEM



7500 +  
USERS



110 +  
LOCATIONS



6 MILLION  
EMRS



IN USE ACROSS 18  
STATES IN INDIA

Integrated hospital management system  
Patient Portal

Electronic Medical records  
Management Information system

CHOICE OF DEPLOYMENT

PRIVATE CLOUD / IN HOUSE DATA CENTRE

*SN TCS Ophthalmic EMR is the efficient way to increase your profits, manage your patient records and streamline the workflow in your Hospital. Incorporating ophthalmic EMR in your ophthalmology clinic allows you to see more patients each day, reduces the costs associated with managing your hospital and ensures patient safety and confidentiality. Implementing the ophthalmic EMR is easy and takes a minimal amount of time to install, learn and maintain.*

### **Document Management**

The patient documents like scans, previous reports and other documentation can be included in EMR and reviewed.

### **Peripheral Device Interface**

The application is interfaced with peripheral devices like scanner, printer and webcam. The application can capture the photograph of the patient, print patient case summary and other reports and scan important documents.

### **Security**

The Security in the system provides controls to access information available in the application. Application level security is dealt using passwords. It deals with user level security for different modules and their functions. Each user has access to a predefined set of actions (add/modify/delete/query) on various functions in a given module providing Role Based Access. The system also has the feature of automatic log-off after certain time of system inactivity. The system can be interfaced with advance security features like Smart Card, Biometrics and Digital Signature.

### **Workflow**

The application allows the hospital or care setting to configure the system according to their clinical workflows.

### **Alert Engine**

Alert Engine is a one of the strongest feature of the suite. The application can be configured to generate alerts. The alert engine generates them when an identified event occurs. These alerts can be configured at the data element level.

### **Configurability, Flexibility & adaptability**

The application suite can be configured to match the hospital needs – your way .....

### **Web-Enabled**

The SN TCS ophthalmic EMR is entirely web-enabled and can be accessed using any standard browser. It does not matter whether a user has to log in the hospital LAN or access the application through a mobile device at a remote location via a browser. This translates to better care as a clinical user can access a crucial lab result status, the moment it is posted.

### **Modularity**

The application suite consists of modules, which cater to different functional areas common to ophthalmic care. The modules can be implemented independent of one another.

The suite has an integrated online help which helps new user to get accustomed with the screens and functionality of the application

### **Excellent drawing support**

SN TCS Ophthalmic EMR has inbuilt web based drawing utility with required templates. Consultants can make use this tool to capture patient condition in a better way. More important is this tool captures structured data like text tags, image tags and it is searchable. Enables storage, retrieval and examination of drawings

### **Search Engine**

The application has powerful search capabilities including dynamic and static search. The dynamic search criteria can be saved and re-used in the application.

## Reports Engine

Various Clinical and Administrative Reports can be generated using the application. These reports can be customized according to the user needs.

## Standards Compliant

The application is HL7 compliant and can be interfaced easily to other hospital management systems using HL7. The application is compliant with international standards like ICD, CPT etc.

## Graphical User Interface

The Graphical User Interface enhances the user friendliness of the system. The point and click features provided by mouse compatibility reduces usage of the keyboard. The user interface is customizable.

## The key components of the EMR Module

### Out Patient (OP) EMR

To capture the patient details in the out patients department

### Drawing/Medpad

### In Patient (IP) EMR

Inpatient encounter details

### Drug formulary

Provides drug to drug interactions, drug contraindications, side effects and allergy

## Key Features

- ✦ Allows users to build their own rules and view them against interferences
- ✦ Self-learning as volume of the Data in the data stores increases
- ✦ Encompasses the complete patient flow outcome
- ✦ Linked to Alert Engine and Trend Analyser
- ✦ Supports Multi level Drill down, lined with EMR
- ✦ Web based application – Anywhere / Anytime access
- ✦ Envisaged as a knowledge management tool
- ✦ Can be configured to handle specific disease states
- ✦ Can be used as a Diagnostic tool for large populations

## Clinical Decision Support System

CDSS is a rule engine based application that guides users to making informed decisions in the process of diagnosis; investigation and treatment of patients

It can be used as a Screening Tool, Diagnostic Support Application and as a Treatment Guidance Solution

Key Focus Areas	Challenges	Implementation Models
Ophthalmic Healthcare Clinics	No Universally accepted CDSS Systems in the Market	Standalone Screening tools
Speciality Ophthalmic Hospitals	Most of the CDSS stops at diagnosis stage	Integrated with EMR
Multi-speciality Hospital with Ophthalmic Sub-speciality	Most systems does not allow user to build rules	Mobile based implemen-tation is possible for health workers
	Most systems are not linked to alert engine and not self-learning	Trend Analysers tool

### Hospital Management Modules

Appointment Scheduling  
Registration, Outpatient Billing  
Surgery Scheduling  
Nursing  
In Patient Billing  
Corporate Billing  
Stores, Purchase , Pharmacy  
Optical  
Fixed Assets, Equipment Management  
Laboratory  
EyeBank

### OP EMR Modules

Appointment Details  
Optometry Functionalities  
Chief Complaints and History  
OP Procedures  
Test Requisitions & Results  
Medication  
Diagnosis and Advice  
Glass and Medicine Prescription  
Patient Case Summary

### IP EMR Modules

Physical fitness by Physician  
Anaesthesia details  
Surgery details  
IP Templates  
Nursing details  
Pre-OP Notes  
Operative Notes  
Discharge Summary



**For details and demo write to**

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