

CARE



Hospital Management System

NANO KERNEL LIMITED

**480/17, 45th Cross, Jayanagar 8th Block,
BANGALORE -560 082**

Phone: +91 80 26639581 Fax: +91 80 26639421

info@nanokernel.net [www. Nanokernel.net](http://www.Nanokernel.net)

CARE



Hospital Management System

A corporate hospital, run on high quality standards cannot function solely on the existence of the medical staff. Gone are days when hospitals functioned with only the doctors. We at Nano Kernel Ltd. believe in an integrated approach of the medical and administrative department working in co-ordination to accord the highest standards of quality healthcare for one and all.

'Care' is one of the most powerful and versatile software, which covers the essential areas of hospital administration and aids in making the right decisions for the Hospital administrative staff, in addition to maximizing resources utilization. 'Care' helps in better management of the hospital, to provide hassle free services to patients. It is a self-scalable product catering to all the segments that fall under the umbrella of hospital administration, rendering information on a need to know basis. Being user-friendly, it can be customized as per the requirements of the hospital, ultimately offering a unique combination of great power over the management to your organization, and is amazingly simple to use.

It will help the physician to automise the clinical diagnosis with well-coordinated system. Thereby reducing any errors and doctors being left with more quality time to concentrate in attending good number of patients per day.

The product has in its whole life cycle followed **ISO 9001** standards. It is a knowledge-based system, which helps in future modifications, customerisation and training of the nursing staff and is amazingly simple to use.

CARE is designed with a vision

- For Hospitals that acknowledge a future of rapid change in software technology and their own needs.
- For hospitals that are growing and require regular upgrade, customization and a modular approach to computerization of departments.
- For hospitals who want to integrate with the internet and
- For hospitals with growing traffic unable to commit large investment for integrated software

Certifications

IBM Netfinity

IBM has certified CARE 2.0 as compatible with IBM Netfinity servers at the scale 22-45.



ISO 9001

This product adheres to the ISO 9001 standards.



Features

CARE – from SST Kernel Ltd., a company specializing in generalized software solutions – provides a multi-platform and scalable product.

This product has certain unique features such as

- ☞ Self Scalability
- ☞ Database independency
- ☞ Value-added reports
- ☞ Financial Accounting to its basic details
- ☞ Information rendering on need-to-know basis
- ☞ Independent modules and ability to plug-in additional modules, if necessary
- ☞ HTML based help is provided with the system with the web look and feel.
- ☞ Global Search facility is provided.
- ☞ Online Registration
- ☞ Online General Enquiry
- ☞ Online Patient Details
- ☞ Online Consultation
- ☞ Alarms and Reminders.
- ☞ Online help provided.
- ☞ IBM Netfinity Server Certified
- ☞ A product quality checked by specialists in industry

Advanced Features

CARE can be implemented with the following features

- ☞ WAP Enablement
- ☞ Smart Card Interface
- ☞ Knowledge Management
- ☞ Online Payment
- ☞ Integrated Networking

Functionality

- ☞ Reservation and Admission System
- ☞ Hospital Information System
- ☞ Patient History Management
- ☞ Pharmacy Management
- ☞ Inventory Management
- ☞ Patient Accounting and Billing
- ☞ Casualty
- ☞ Medical Laboratory
- ☞ Echo Cardiograph
- ☞ Operation Theatre
- ☞ Blood Bank
- ☞ Dietary
- ☞ Fleet Management System
- ☞ Human Resource Management System (HRMS)
- ☞ Financial Accounting (FA)
- ☞ Laundry Management Systems
- ☞ Backup And Restore
- ☞ Alarms And Reminders
- ☞ Security

FUNCTIONALITIES IN DETAIL

☞ RESERVATION AND ADMISSION SYSTEM

Patient Registration

Registration of a new Patient, which is valid for a definite period defined by the hospital along with the personal details, is captured here.

Patient Visit

For all the subsequent visits of the registered patients, a visit code is generated here and is valid throughout the visit. All the patients are considered as outpatients. However after consultation with the doctor, a person will be admitted as inpatient. A detailed report of visits both as an inpatient and as well as outpatient is generated here.

Inpatient Transactions

All the other special services availed by the patients, which are chargeable, as long as he/she is in the Hospital is saved here.

Appointment Diary

- This is a highly flexible and easy to use interface by which the user can schedule Patients for any consultable staff.
- Appointments can be done for days on or after the current date only. This also ensures that Patients are not kept waiting unnecessarily.

Patient Enquiry

Information pertaining to an Inpatient like location, bed number etc. can be availed very quickly. Essentially this is a Front office utility.

Patient Visit Details

Each visit details of the patient is captured with this screen.

Bed Booking & Issue

Advance Booking as well as current booking along with the bed issue is done here.



HOSPITAL INFORMATION SYSTEM

Patient Enquiry

The details of all the inpatients such as name, registration code, patient code, floor, room and the bed. An option is also provided such that on double clicking on any row, all the personal information of that particular patient will be displayed.

Consultation Details

This form is a true replica of the doctor's prescription pad.

Patient Transaction Details

The services availed by the inpatient like Canteen facility etc.

Daily Observation

Doctors findings during daily rounds and the duty nurses' observation if any will be noted here. This helps the Medical team to function effectively.

Bed Transfer and Discharge Details

Patient discharge details are entered here and the data captured through the screen is very vital for patient billing. This also incorporates an alarm which intimates about the Patients' due to be discharged for that particular day.

Medicine Expiry Date Tracking

Unique facility, which provides highly reliable and foolproof method of tracking, expired medicines. The package includes an alarm, which notifies about the expired medicines. It also removes the expired

medicines from the stock automatically, so that the issue of expired medicines is blocked altogether.

Patient History Management

This is the facility to provide case history management of the existing as well as new patients. The package has the facility to maintain the patient history for any length of period as decided by the management of the hospital.

PHARMACY MANAGEMENT

All pharmacy related activities are taken care through this option.

Store Item Request Processing

Package provides creation of as many stores as thought appropriate by the management. Inter-store item request can be placed. Items may be issued against the request. It also has store wise stock maintained along with the item batch.

Billing

The Pharmacy bill processing is done here. Provision for generating credit and cash bill is incorporated into the package. This is smoothly integrated to Financial Accounting.

INVENTORY MANAGEMENT

The Inventory Management in the package divides the functionality into two domains.

General Inventory

General items, which have to be stocked in hospitals, is maintained and accounted here. Borrowing, Lending & Leasing of various items is also noted here. Here General items are categorized into Civil, Electrical, Mechanical, OT etc.

General Item Movement Details

Details regarding Borrowing, Lending & Leasing of general items is the function of this screen.

Pharmacy Inventory

This takes care of the entire pharmacy inventory in the hospital through certain well-established purchase practices.

PATIENT ACCOUNTING AND BILLING

Consolidated Bill

This provides functionality for consolidating various bills generated at various points like pharmacy, lab, consultation etc.

Refund

Refund, if any to the patients is done here.

Inpatient Receipts

All the payments collected from the inpatients during the stay at the hospital will be done here.

Outpatient Receipts

The payments collected from the outpatients are entered here.



CASUALTY

- This provides functionality to track all the medicines and services availed by patients admitted in the Casualty department.
- This Module allows a casualty patient to be admitted to the hospital as a regular patient if need arise.
- Monitoring of services availed by the patients during their admission into the casualty.



MEDICAL LABORATORY

Test Tracking

Here various tests can be added or removed as need be, test results can be obtained and frequency of various tests can be analyzed. Provision to categorize the tests into various well-defined sub heads is provided.

Test Result

The user is allowed to enter the test results against each test.

Billing

Lab billing is done here. Billing could be cash, credit (for inpatients) or against a patient in casualty.



ECHO CARDIOGRAPH

SCAN DESCRIPTIONS

Charges of different scans is provided here.

SCANNING RESULTS

Details of scan results for which the patient is undergone is maintained here.



OPERATION THEATRE

OT Equipment Scheduling

This provides functionality to track the availability as well as streamline the recycling of various equipment used in the Operation Theatre.

OT Scheduling

Here the available theatres can be scheduled for different procedures on priority basis as well on the first-come-first basis along with staff scheduling.

Billing

Operation Theatre billing can be done here.



BLOOD BANK

Stock Maintenance

The group wise stock of Blood Bags is maintained here.

Donors List

The list of donors and along with their address and current status is stored here.

Blood Issue Details

Here the details of various recipients along with the quantity & blood issued to them are kept track of.

Billing

The blood bank billing can be done here.



DIETARY

Diet Ticket

The diet ticket is the requisition that the wards make to the dietary.

Diet Distribution List

This provides the mechanism for instructing the attenders about the distribution details.

Menu Plan

Menu Plan gives an idea of the recommended diet for patients belonging to various categories along with their timings.

Diet Scale

Diet Scale is used to calculate the required ingredients for preparing



FLEET MANAGEMENT SYSTEM

Vehicle Movement Details

The details about the movement of various vehicles in the hospital can be done here.

Vehicle Maintenance Management

As the heading suggests, the details about the maintenance of the vehicles are captured here.

Vehicle Billing

All billing regarding the vehicles are done here.

HUMAN RESOURCE MANAGEMENT SYSTEM (HRMS)

Employee Details

All the relevant information about the employee and the consultants are obtained here.

Attendance Monitoring

Day to Day attendance of the staff is monitored here. The attendance monitoring is done through Finger Print Identification / Smart Cards.

Payroll

This takes care of the salary slip generation.

Shift Details

The timings of the shift are scheduled here.

LAUNDRY MANAGEMENT

- Laundry Management involves activities like Creation of a new launderer on contract basis or on the basis of revisable per piece rate.
- Fool proof mechanism of linen transaction with the concerned launderer.
- Auto updation of stock and also provision to send the linen for sterilization.
- The billing here is directly hooked to the Financial Accounting.

FINANCIAL ACCOUNTING (FA)

Account Heads

Creation of new Account Heads is done here.

Receipts

All the Bank and Cash receipts are entered here.

Payments

All the Bank and Cash payments are entered here.

General Voucher

Miscellaneous payments and receipts are entered here.

Financial Reports

The user will be able to view the financial position with options such as Trial Balance, Profit & Loss and the Balance Sheet.

Book of Accounts

Here the Cash Book, Bank Book, General Journal and all the individual ledger accounts can be viewed.

All the vital reports like Ledger, Cash and Fund flow statement etc are provided.

BACKUP AND RESTORE

Provided to take backup of database and restore at any point of time.

ALARMS AND REMINDERS

CARE provides alarms for

- Expiry of Medicine
- Discharge Details
- Auto popup of customized reminders

SECURITY

Security is maintained to the fullest possible extend. That means each and every screen can be assigned or restricted to a user.

Major features of this module includes

- ☞ Advanced password security for limiting user access.
- ☞ Built-in audit trails
- ☞ Transaction tracing system for modified transactions
- ☞ Backups and restore options (full, incremental, differential)
- ☞ RDBMS based data replication
- ☞ Configurable on RAID system
- ☞ Password changing can be enforced on a regular basis.
- ☞ Passwords cannot be used repeatedly within a given time period.
- ☞ Passwords can be defined as having to contain a certain number and mix of characters.

FUTURE PLANS

- ☞ Inter-Office communications can be automatized leading to a paperless office.

- ☞ The Dictation Automation feature facilitates the doctor to dictate the prescriptions, which will be converted to text format.
- ☞ Online Pharmacy

LIST OF REPORTS GENERATED

All general reports like

- Appointment Diary
- Appointment Cancellation Details
- Bed Booking Details
- Bed Issue Details
- Bed Occupancy Details
- Birth Details
- Casualty Patient Details
- Consultation Details
- Consultant's Details
- Consulting Staff Details
- Echo Cardiography Details
- Employee Details
- Hospital Infrastructure Details
- In-patient Bed Transfer
- In-patient Transaction
- In-patient Observation Details
- Invoice Details
- Item Details
- Item Expiry Details
- Obstetric Ultrasonography
- OT Schedule & OT Utilization Details
- Patient Visit Details
- Purchase Enquiry
- Purchase Order Details
- Receipt
- Registration Details
- Store Item Request Details
- Stock Details
- Vendor Item Details
- Bank Book
- Cash Book
- Journal General
- Accounts Ledger
- Trial Balance, Balance Sheet etc

☞ All reports have **All, For & Between Date** options.

☞ The package has the option to attach **custom-made reports** also

HARDWARE REQUIRED

TECHNICAL SPECIFICATION

Operating Systems Used.....

Windows NT 4.0

Front-end Tools Used.....

Visual Basic 6.0

Middleware.....

Java, Servlets, EJB

Back-end Database Used.....

ORACLE 8.0 / MS Exchange Server / MTS

Hardware Requirements.....

Server

Pentium with minimum 128 MB RAM(256 MB Recommended), 20 GB HDD, SVGA Mono/Color, 32 bit Network Interface Card, Mouse

Backup Device

540 MB Tape drive (Recommended 4 GB / 8 GB Dat Drive).

Network / Cabling

10 Base T Hub with UTP, Structured Cabling Recommended

Clients

Pentium with minimum 64 MB RAM (128 MB Recommended), 10 GB HDD, SVGA mono / color, 32 bit Ethernet Card, Mouse

Software Requirements.....

For Server :

Operating System

Windows NT Ver 4.0 or Higher

Back-end Database (RDBMS)

ORACLE 8.0 Workgroup / Enterprises Server

For Client :

Operating Systems

Windows NT client 4.0, Windows 95/98 or higher

For a complete demonstration...

 us on
[+91 80 26639581 / 26639421](tel:+918026639581)

mail us at
info@sstkernel.com

Visit us on
www.sstkernel.com

NANO KERNEL LIMITED
480/17, 45th Cross, Jayanagar 8th Block,
BANGALORE -560 082
Phone: +91 80 26639581 Fax: +91 80 26639421
info@nanokernel.net www.Nanokernel.net