

NSD ERP System (V 6.4) CLM Overview



System Overview | NSD Middle East

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Introduction

We prepared this document, as an overview, in order to give you a brief idea about the NSD ERP System, knowing that, even if we put a maximum of information and screen copies, we can never replace a live demonstration.

NSD ERP System includes the following applications and functionalities:

- **Financial (Accounting)**
- **Human Resources (Personnel Administration, Time Management, Payroll, Recruitment, Organization Management.....)**
- **Logistics (Materials Management, Warehousing, Procurement, Purchasing, Inventory.....)**
- **Sales and Distribution and Retails (Point of Sale System)**
- **Production Management**
- **Project Management**
- **Car Management and Transport System**
- **Clinic Management System**
- **Reception and Controlling System**

NSD ERP SYSTEM

NSD ERP is an Integrated System.

The individual applications in the NSD ERP System are fully integrated. All data that are used across applications are stored at client level (the client is the highest hierarchical level in the NSD System). Specifications that you make or data that you enter at this level are valid for all company codes and for all other organizational structures. Consequently, you do not have to enter these specifications or data more than once. Central maintenance ensures standardized data.

Customer and vendor master records, for example, are stored centrally and used in the applications Financial Accounting (FI), Sales and Distribution (SD) and Materials Management (MM).

Also, the individual applications exchange data so that business transactions do not need to be entered more than once. For example, invoices that are posted in SD are passed

on to FI, and data that is entered in FI is passed on to other applications. If you use Cost Center Accounting, for example, you can specify a cost center directly when you enter a document, to which the amount entered in the line item, is to be posted.

Since every company area in the NSD System can define its own structure, you should specify how each structure is to be derived from the others, so that data can be transferred from one application to another.

NSD ERP SYSTEM APPLICATIONS:

- ✓ **Financial (Accounting)**
- ✓ **Human Resources** (Personnel Administration, Time Management, Payroll, Recruitment, Organization Management.....)
- ✓ **Logistics** (Materials Management, Warehousing, Procurement, Purchasing, Inventory.....).
- ✓ **Sales and Distribution**
- ✓ **Project Management.....**

NSD ERP System - Benefits

NSD System provides to various organizations, information management, analysis and powerful reporting tools.

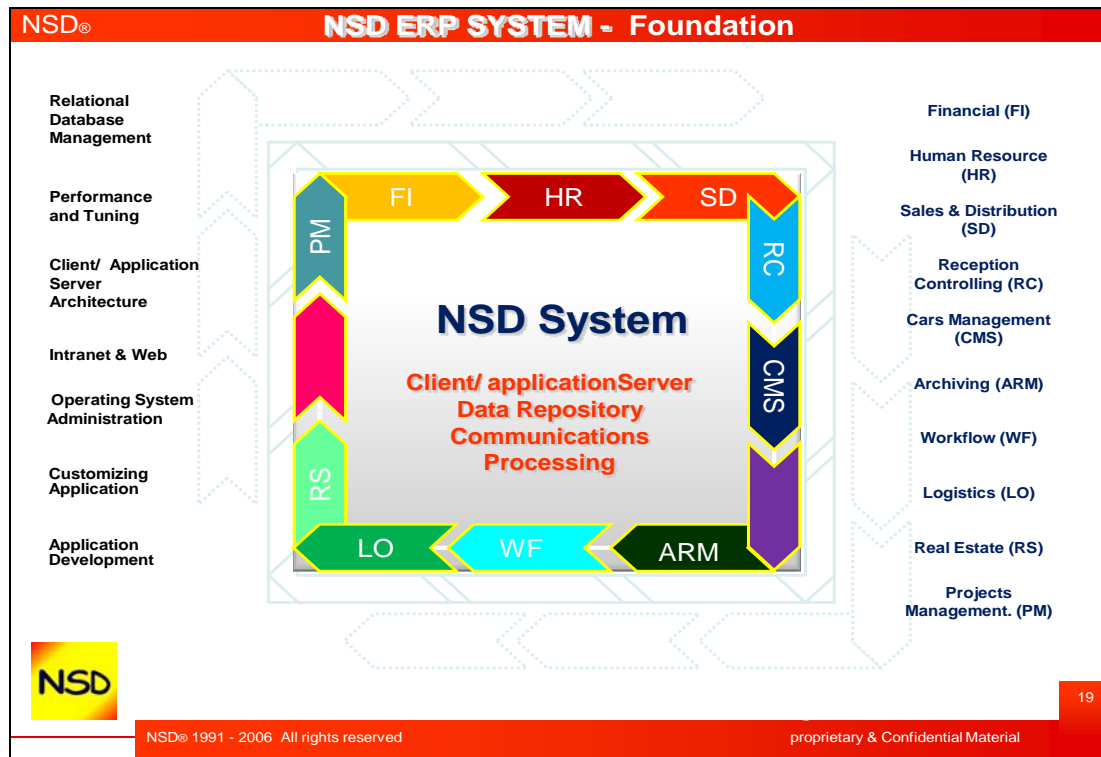
Some major NSD ERP System benefits:

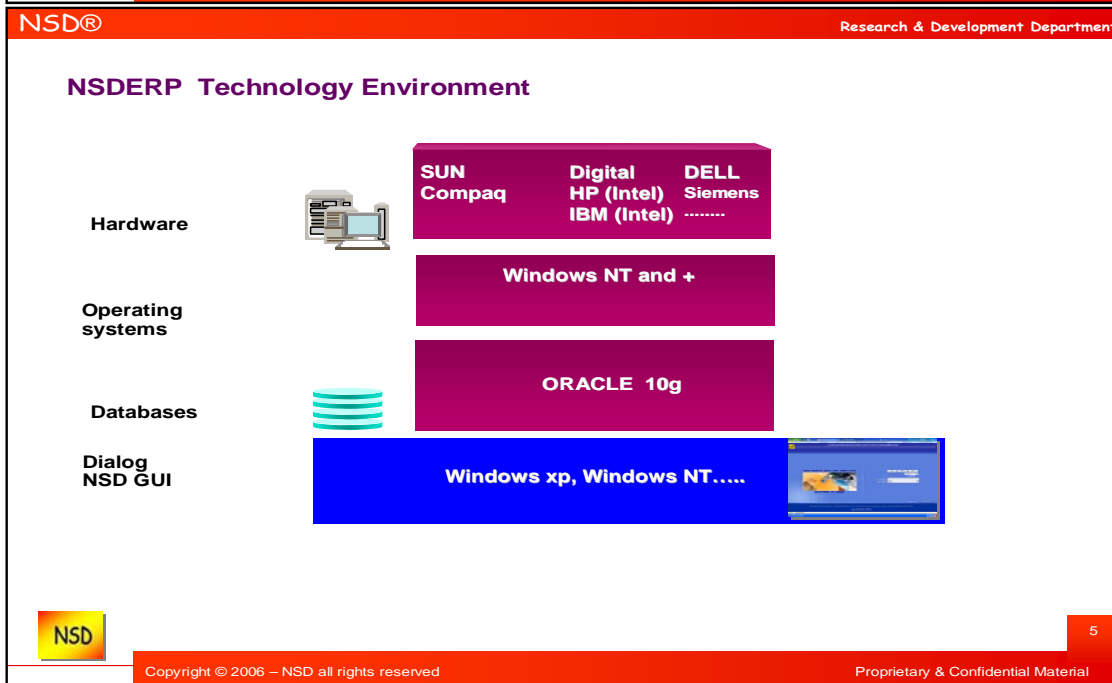
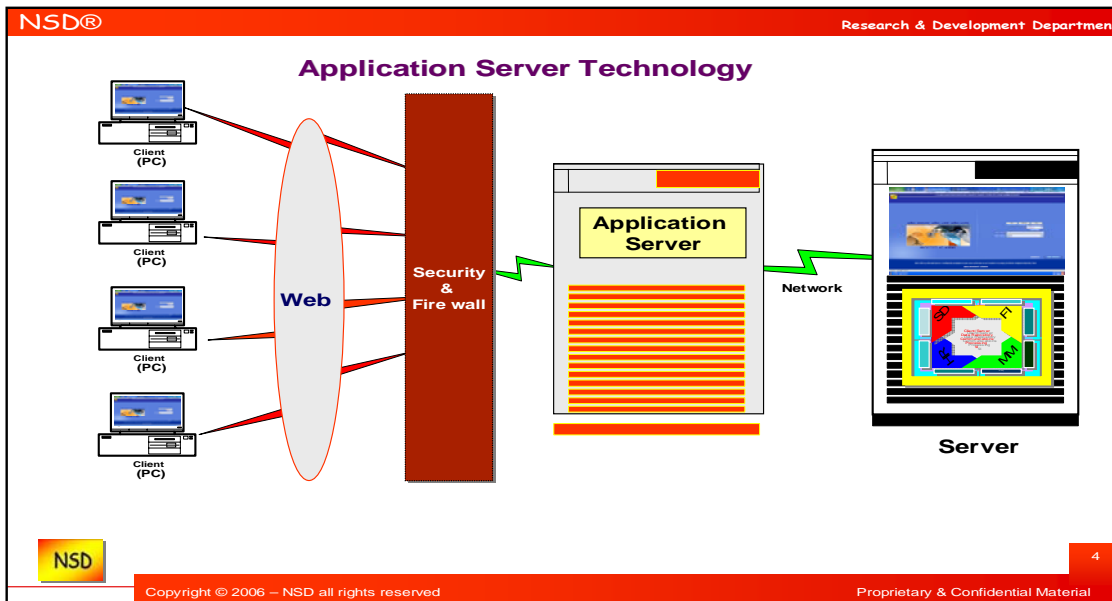
- **On-line/real time information throughout all the functional areas of an organization**
- **Data standardization and accuracy across the enterprise**
- **"Best-practices" included in the applications**
- **The efficient processes they force an organization to undertake**
- **The analysis and reporting that can be used for long term planning**
- **Multi-language, Multi-Currency and Multi-Companies System.....**
- **The NSD ERP System allows you to manage and perform and present better customer services, greater organizational transparency and increased operational efficiency leading to long-term savings.**
- **The NSD System includes reporting tools for either main reports or for**

powerful query reports.

- NSD ERP system, fundamentally, integrates the different processes necessary for businesses into a centralized pool that facilitates data sharing and eliminates redundancy.
- The NSD ERP System is built and developed based on the best worldwide business practices. It includes the necessary applications for the best enterprise management.
- The flexibility of the NSD ERP System allows you to add more functionalities and related reports.

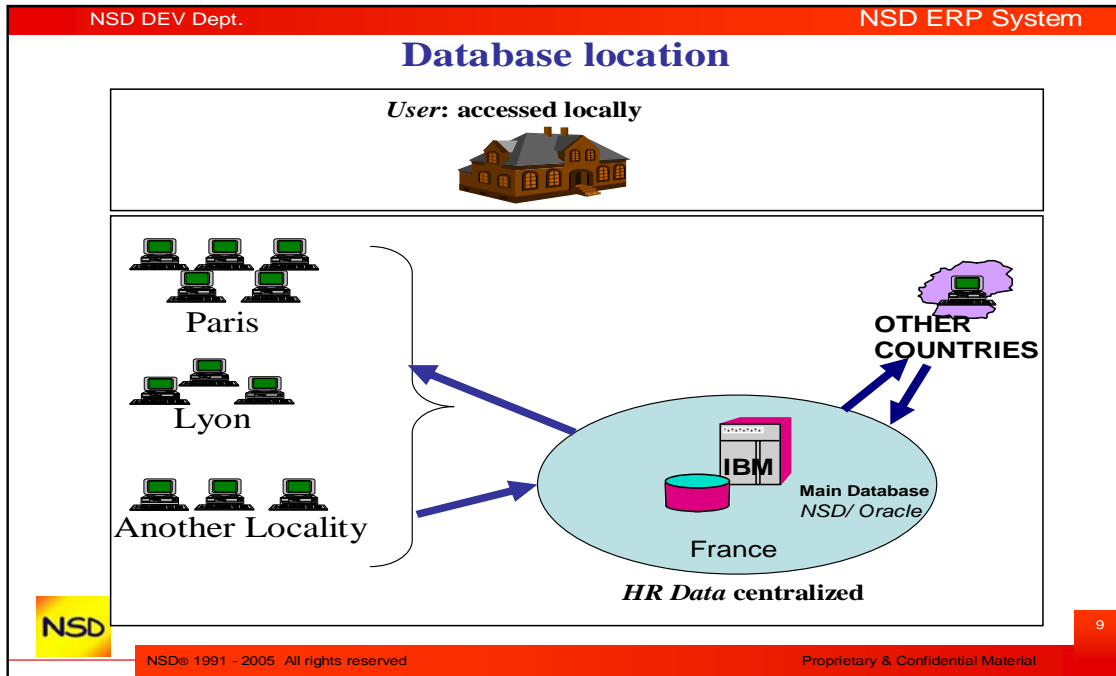
NSD ERP System Foundation and Technology Environment:





NSD ERP System - Technical Structure

NSD System is based on Oracle Database
 NSD System uses a central and main database



NSD System has a high level system security

That means that the power users, once trained, can change, customize or improve the system.

The NSD SYSTEM is built on a high security level to allow the Power Users to go through the system in a safe way without any risk or access on the database or programs where all sensitive data are stored. In other words, we can say that each user depending on his rights (given by the administrator) can work on the system in safe way.

System Navigation

Log on the NSD System

In this step, it is important to mention that the NSD ERP SYSTEM uses ORACLE database and it is developed in an ORACLE environment. The installation of the system is based on the below listed steps:

1. Preparation of the technical environment (Hardware – Network ...)
2. Installation of the database
3. Installation of the scripts and forms (the forms are installed in the client level)

4. Installation of the GUI (Graphical User Interface)

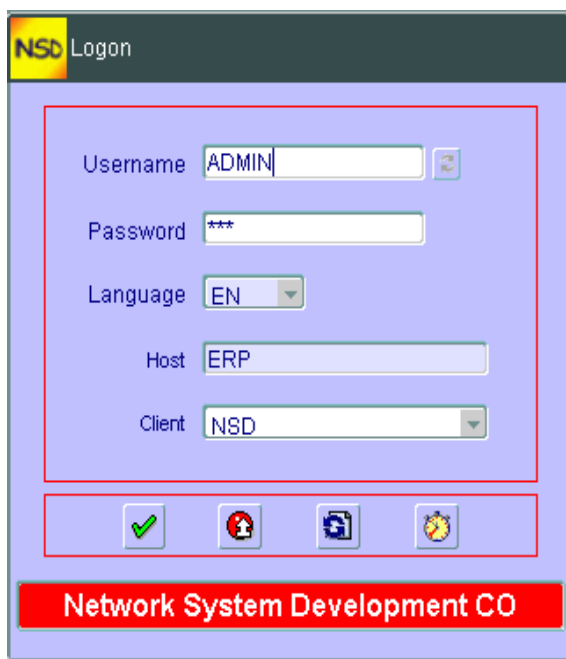
5. Implementation and customization of the system.

The success of the system's installation is based on a close collaboration between your project team and the NSD or the integrator team.

Once you GO LIVE and you have a production system, your users can use and enjoy the System.

From your desktop, click on the NSD SYSTEM ICON





The screenshot shows the NSD Logon window. It features a title bar with the NSD logo and the word 'Logon'. The main area contains several input fields: 'Username' with 'ADMIN' entered, 'Password' with three asterisks, 'Language' with a dropdown menu set to 'EN', 'Host' with 'ERP' entered, and 'Client' with a dropdown menu set to 'NSD'. Below these fields is a row of four icons: a green checkmark, a red house, a blue folder, and a yellow clock. At the bottom, there is a red banner with the text 'Network System Development CO'.

Enter your, user name, password, client and the connection language.

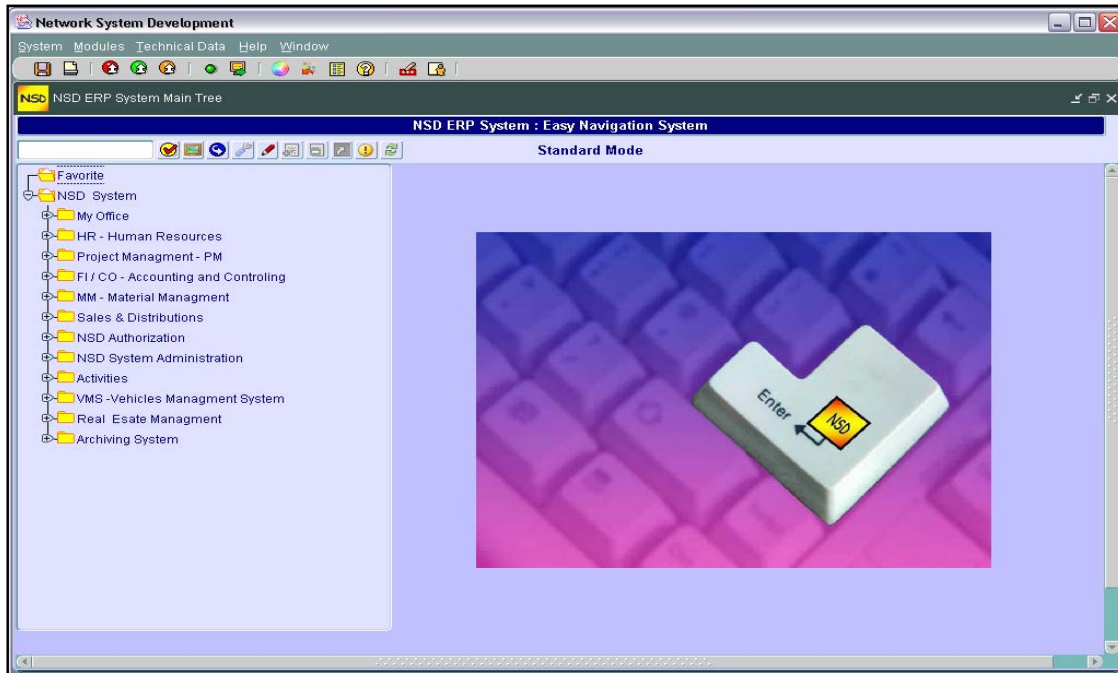
In NSD System you can open more than one session. In this case, once you are connected again, the system alerts you by the below messages and gives you the indicated possibilities.



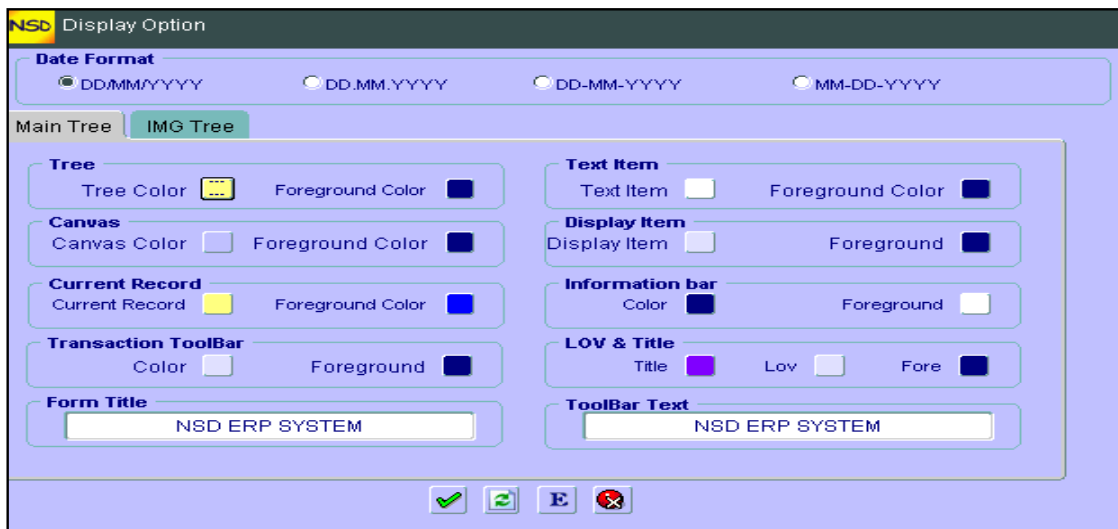
The screenshot shows a dialog box titled 'Many Session'. It has a blue title bar. A red banner at the top contains the text 'You Have (1) opened Session'. Below this, the text 'Chose one option' is followed by three radio button options: 'Exit other session and connect with current session', 'Connect this session with other sessions', and 'Cancel current session'. The 'Cancel current session' option is selected. At the bottom, there is a 'Next' button.

NSD ERP SYSTEM – ENGLISH VERSION

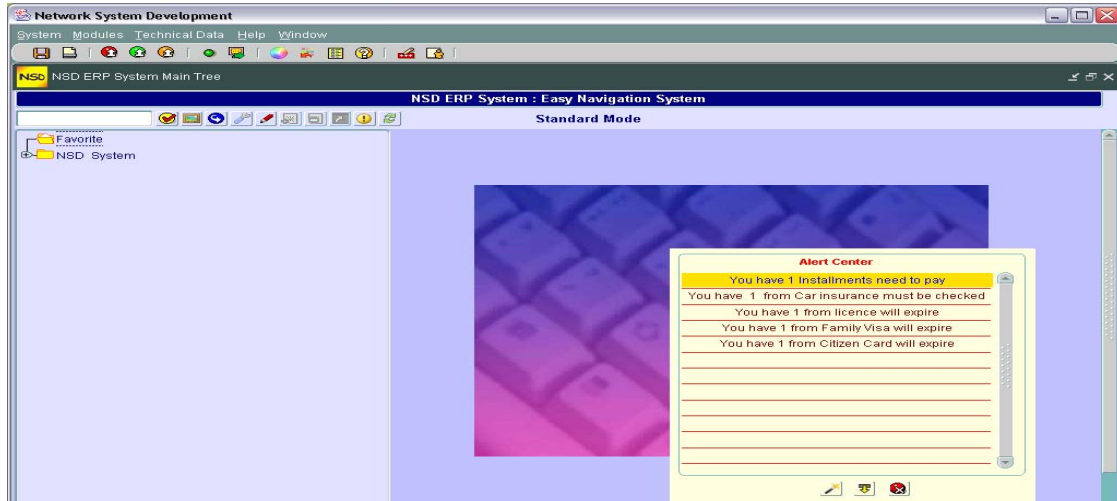
NSD System – Main Screen (Main Tree)



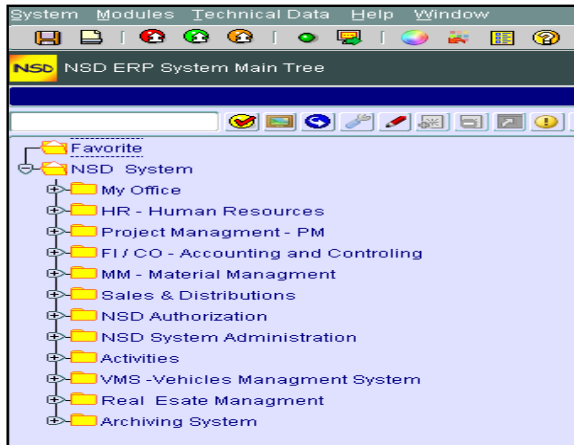
Personalize your system as you like, just click on the design icon and put your personnel data



NSD System – Main Screen (Main Tree)



NSD ERP – Functionalities Summary



NSD ERP System includes the following applications and functionalities:

- **Financial (Accounting)**
- **Human Resources (Personnel Administration, Time Management, Payroll, Recruitment, Organization Management.....)**
- **Logistics (Materials Management, Warehousing, Procurement, Purchasing, Inventory.....)**
- **Sales and Distribution and Retails (Point of Sale System)**
- **Production Management**
- **Project Management**

In addition to the above main applications, the NSD system includes, also:

- **My Office**
- **System Administration**
- **System Authorization**
- **Activities (Rent Car Management System – Collision Management System – Clinic Management System – Access Control System (Reception Management System)).**
- **And more**

NSD ERP – ACTIVITIES

Clinic Management Application

Please not that, this application is developed in order to manage the clinics and laboratories activities, it can be enhanced, based on your business process, by NSD in order to become a Hospital Management system. Hereunder, a summary of some functionalities are shown just to give you an idea about this application.

Completely integrated to the whole NSD ERP package, the Clinic Management Application is developed based on the best business practices and business solutions rules.

It allows the customers to automate the patient's files and to follow all patient's data in real time.

As a full package, this application is a customizing application. It can be modified based on your specific requirements.

Also, in the NSD ERP SYSTEM, we developed the pharmacy management application which is entirely integrated with the clinic management application and the whole package as the material management, procurement and sales.

The main points concerning the pharmacy application are:

- ◆ Define new pharmacy in the system
- ◆ Integrate pharmacy with main warehouse
- ◆ List all pharmacies related with hospital
- ◆ Management expiry date for medicine
- ◆ Send message to the responsible employee about expired medicine
- ◆ Waste expired items
- ◆ Adjust the quantity
- ◆ Integrate pharmacy with patient master data
- ◆ Quantity to replenish
- ◆ Stock management
- ◆ Alert for minimum and maximum stock
- ◆ Order for Medications
- ◆ Generate reports for all data related with medications & patient
- ◆ Stock overview at any time from any place (using NSD System)
- ◆ Print and process invoices
- ◆ Working with point of sales utility (barcode reader, cash drawer...)

Patient Master Data:

Add New Patient Data: insert the patient's information (number, name, gender, age, nationality, payment type (Cash, Insurance Card, Credit), Patient Card Number, Clinic, Doctor...)

Network System Development - [NSD (Network System Development)]

System Medical Modules Help Window

NSD ERP System Integrated Solution

Payment No: [] **Paid**

Reception

- New Patient
- Patient
- Patient Communication
- Patient Insurance
- Patient Employment
- Medical History

Patient

Patient Number: [] Employee: Birthdate: 01/01/1979

Personal Number: []

First Name: Jomaa Father Name: Mohamad

Family Name: Abed Elkhader Mother Name: []

Nationality: 4 Syrian Gender: Male Female

Insurance:

Payment No: [] **Paid**

Insurance

Company: 1 ICNN

Card Number: 123456789 Program: 1

Begin Date: 01/01/2006 End Date: 31/12/2006

You can define all insurance companies with which your clinic is dealing with.
You can manage patient's payment type and the patient's insurance cards.

Maintain Patient Data: this functionality allows you to modify what you want concerning the patient's data.

Patient Maintain Data

- Patient Identity
- Patient Insurance
- Patient Communication
- Patient Employment
- Medical History

Patient: 119100553 Jomaa Mohamad Ahmad

Birth Date: 01/01/1979 Nationality: []

Gender: Male

InfoType: []

Contain Data No Data

Display Patient Data: this functionality allows you to have access, without modification, to the patient's information according to name, number...

The screenshot displays the 'Display patient data' interface. On the left, a tree view shows options for Patient Identity, Patient Communication, Patient Insurance, Patient Employment, and Medical History. The main area contains a form for patient information:

- Patient: 1211204 Basheer Hasan Ibrahim
- Birth Date: 24/11/1980 Nationality: []
- Gender: Male
- InfoType: []
- Buttons: Contain Data, No Data, and an 'Execute InfoGroup' button.

Below this, a 'Patient' summary box shows:

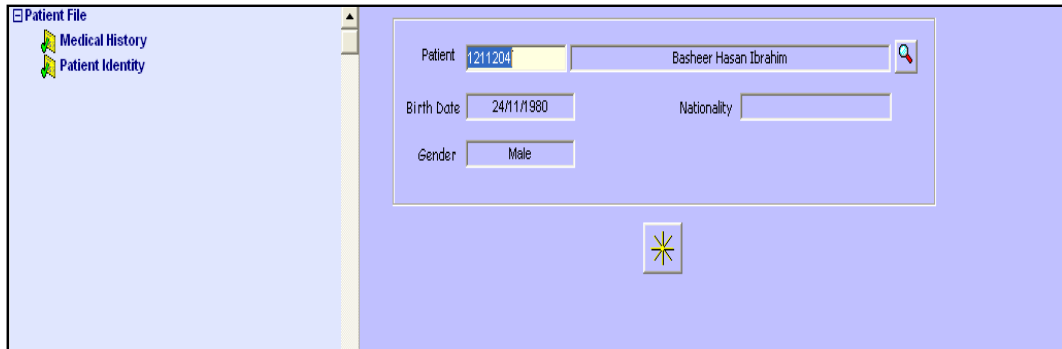
- Patient Number: 1211204 Basheer Ibrahim
- Begin Date: 21-DEC-2004 Created By: ADMIN
- End Date: 01-JAN-9999 Updated By: []

A 'Blood' section includes 'Blood Type' (A) and 'RH Factor' (+).

Navigation tabs include Habits, Known Illnesses, Allergies, Current Medications, and Past Medical Procedures. The 'Habits' tab is active, showing a table:

ID	Substances	Used For	Quit For	Currently Using	Previously Used	Type/Amount/Frequency
1	Caffeine	1 Years	3 Months	YES	YES	1

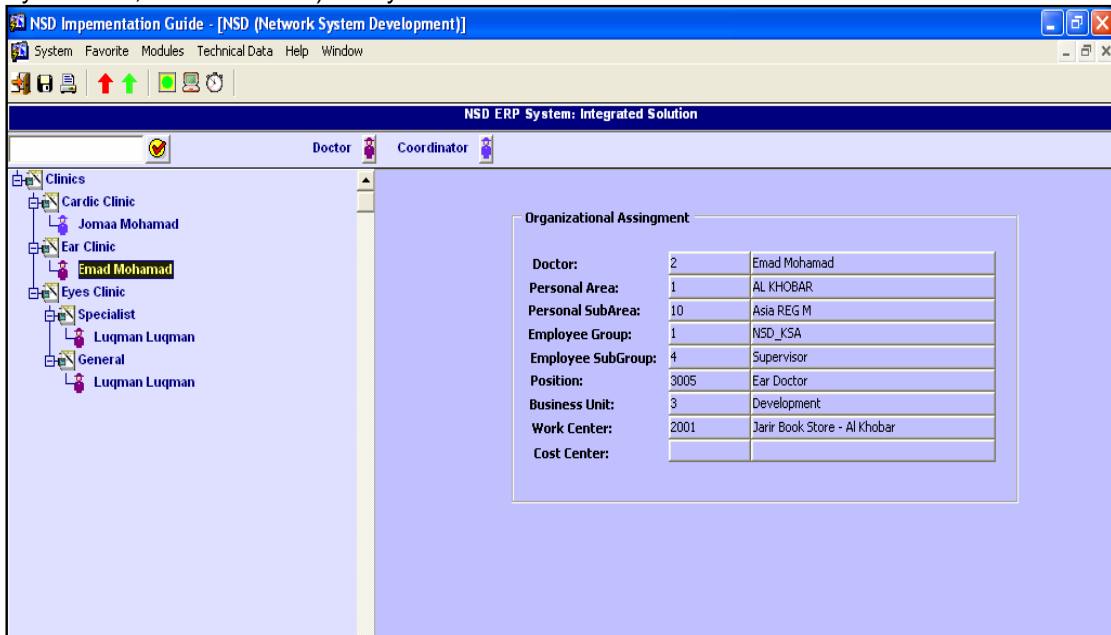
Patient File: each patient has a file with number. This file contains the information about the patient (general information and information about his health circumstances) then you can have access to this file when this patient comes back again.



Reception Management (Access Controlling)

This application, completely integrated with the other NSD ERP applications, especially the Human Resources application, allows you to Customize your receptions as you need at any time.

Here you can build the structure of your clinic including all Specialists (General Clinic, Eyes Clinic, Health Care...) with your doctors and nurses.



Organizational Assignment		
Doctor:	2	Emad Mohamad
Personal Area:	1	AL KHOBAR
Personal SubArea:	10	Asia REG M
Employee Group:	1	NSD_KSA
Employee SubGroup:	4	Supervisor
Position:	3005	Ear Doctor
Business Unit:	3	Development
Work Center:	2001	Jarir Book Store - Al Khobar
Cost Center:		

Manage Appointments: when the patient calls or comes to the reception for doctor's visit, you have the possibility to control and manage this action through the system. You can fix a date for this visit including some information about the patient.

The screenshot displays the NSD ERP system interface for clinic management. On the left, a navigation tree shows a hierarchy of clinics: Cardic Clinic, Eyes Clinic, Specialist (with sub-items for Luqman Luqman), General (with sub-items for Luqman Luqman), Ear Clinic, Emad Mohamad, and a date-based entry for 30-JULI-06 with a time slot of 11:00 TO 12:00. The main area is titled 'Patient' and contains a form for patient information. The patient's name is Mohamad Menem, with a patient number of 12212042. Other details include birthdate (10-06-1980), identity number (2015024), marital status (Single), mother name (None), religion (Muslim), and nationality (2). The gender is set to Male. Below the patient information, there is a 'Navigate Medical History' section with tabs for Habits, Known Illnesses, Allergy, Current Medication, Past Medical Procedures (which is currently selected), Family History, and Female Specific Events. Under the 'Past Medical Procedure' tab, a table lists medical procedures. The table has columns for ID, Year Performed, CPT Code, Description, Medical Status, Medical Status Date, and Remarks. One procedure is listed: ID 1, Year Performed 2004, CPT Code CPT-01233, Description Procedure A+B, and Medical Status Current.

As shown above, the NSD ERP System allows you to manage your activities by defining what you need as new department in the dispensary for example:

Assay Department

- ◆ Radiography Department
- ◆ Surgery Department
- ◆ Intensive Care Department
- ◆ First Aid Department.....

Requisition NO. _____

Patient Number

Date of Birth Gender Marital Status Religion

Begin Date Created By Updated By Time

Specimen Type

Stat Blood Urine Stool Other

Routine Stat

Fast Fasting Non Fasting

Health Care Provider

Physician Name

Specialist Name

Analyst

Activity Type	Activity
Chemistry	AST (SGPT) <input checked="" type="checkbox"/>
Biology	Albumin <input type="checkbox"/>
	Acid Phosphatas <input type="checkbox"/>
	Aldolase <input type="checkbox"/>
	Amylase <input type="checkbox"/>
	C-peptide <input type="checkbox"/>
	Chloride <input type="checkbox"/>
	Co2 <input type="checkbox"/>

Requisition NO. _____

Patient Number

Date of Birth Gender Marital Status Religion

Begin Date Created By Updated By Time

Allergy

NO YES

Clinical History

Clinical Question to be Answered

Health Care Provider

Physician Name

Specialist Name

Analyst

Group

Activity Type	Activity

Related Activities

Related to the ND BCS package NSD Teams assure you a complete cycle of services as:

- 1 NSD BCS SYSTEM Implementation**
- 2 Training & documentation**
- 3 Maintenance & Upgrade**

Implementation

Offering proven methodologies, advanced software tools, and best practices to get your NSD solution up and running quickly to contribute into your business goals.

Work with the client to develop an implementation strategy focused on his key priorities.

Create an implementation plan that enables you to manage project scope and evaluate progress along the way.

Training & Documentation

Two type of training are assured by NSD

- 1- Power Users Training
- 2- End Users Training

The above training are started form your acquisition of the NSD BSC until its complete implementation (GO LIVE),

Concerning the documentation, NSD assures you a detailed end users (System Navigation) manual and a power users customizing manual.

Maintenance & Upgrade

Our Services Maintenance gives the client various options, each designed to keep his NSD BCS SYSTEM solution up and running. These include: NSD Standard Support Includes system performance monitoring, proactive services, and access to NSD experts.