



Hospital Management Information System



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Myelin is a hospital management information system

We believe that successful systems represent a good investment when it creates business value to your organization and this was our start. your organization should have a complete solution to manage all your business processes starting form Organization Design through different operational processes and finally your decision support system.

So CodeZone Team decided to develop a complete system including all smart features to make your hospital smart.

The following systems are integrated in one solution to facilitate your work and give you a great result :-

- Hospital Management System
- Clinical Information System
- CRM
- SMS Tool
- Business Intelligence

The above systems and tools are ready and developed with high standard of development methodology especially after Applying Agile Methodology and Quality procedures in Development Department and after Consultation with SECC "Software Engineering Competence Center



How can **MYELIN** create business value to your organization?

Business Perspective

Integrate Hospital Activities.

MYELIN connects all Hospital functions, processes, activities and tasks in an integrated fashion therefore all data will be updated automatically between related processes and functions. This information integration leads to better decided-making and resolution of problems. Another advantage of this integration is that the people who are involved are also connected to each other. This integration has great potential for improving productivity.

Forces the use of 'Best Practices

MYELIN brings with it time-tested and successful hospital practices that will help your organization to become more competitive.

Facilitate the Information flow

MYELIN can facilitate the flow of information between all business Features inside the boundaries of the organization and manage the connections to outside stakeholders. The credit for this is due to **MYELIN** integration.

Enable organizational standardization

MYELIN allows organizational standardization across different branches, departments, units and even workgroups. As a result your organization can show a single image to the outside world. Rather than receiving different documents when dealing with different entities on it.

Business Alignment

The organization is at its most effective when its main component (People, Process, Structure, Reward and Strategy) are in alignment .**MYELIN** makes it done by allowing you to configure these five main component to create an effective organization capable of achieving the business strategy . Also allowing you to combine and recombine skills, competencies and resources across the organization to respond to changes in the external environment so your organization will be dynamic like its business.





System Perspective

Provides On-Line and Real-Time Information

Once the process is completed the information placed directly into the database so all information is available on-line to others and in real-time.

MYELIN Decision Support

MYELIN supports different levels of decision making. MYELIN Supports decisions of CEO, directors & managers, supervisors & team leaders as well as employees. MYELIN also supports decision from strategic decisions to routine decisions.

Cover a wide range of Hospital information

MYELIN covers a wide range of information related to all Hospital processes and this can support Management decisions to be more effective.

MYELIN engineering

MYELIN is a modular System. You can see that when navigating into our Product list so we can deal with your business changes across time.

MYELIN availability

Unlimited number of employees and doctors can access MYELIN within Permission architecture. As a result MYELIN will help you to save your time and take decisions in a better way by allowing top Management decisions to be made by those closest to the issues.



Hospital Management System

Modules List

1- Medical Process

01 Inpatient Registration
نظام الإستقبال للأقسام الداخلية

02 Inpatient Management
نظام إدارة الأقسام الداخلية

03 Outpatient Management
نظام الإستقبال للأقسام الداخلية

04 Emergency
نظام الإستقبال للأقسام الداخلية

05 Laboratory
نظام المعمل

06 Radiology
نظام الاشعة

07 Medical Records
نظام السجلات الطبية

4- Accounting

14 Finance
نظام الحسابات العامة

15 Cost Accounting
نظام التكاليف

16 Fixed Assets
نظام الاصول الثابته

6- Sub Modules

19 Internal E-mail
البريد الالكتروني الداخلي

21 Management Dashboards
التقارير التحليلية للإدارة العليا

23 Audit Trail System
نظام السجلات التاريخية

2- Billing & Contract Management

08 Billing
حسابات المرضى

09 Doctor Fees
حسابات

10 Contract&Claim Management
ادارة العقود والمطالبات

3- Supply Chain

11 Purchasing & Accounts Payables
نظام المشتريات وحسابات الموردين

12 Warehouse Management
نظام المخازن

13 Pharmacy Management
نظام الصيدلية

5- Human Resources

17 Personnel
نظام شؤون العاملين

18 Payroll
نظام الأجور والمرتبات

20 Chatting System
نظام المشتريات وحسابات الموردين

22 Alert & Notification System
نظام التنبيهات

24 Security
امان النظام

Clinical Management System

Modules List

1. Order entry
2. Nursing
3. Inpatient
4. Intensive care unit
5. Emergency room
6. Nero-natal intensive care unit (NICU)
7. Operations theater management
8. Dietary
9. Clinics management
10. Laboratory
11. Radiology
12. Medical records



Medical Sheets “Main Specialties”

1. Internal medicine
2. Pediatrics
3. Cardiothoracic
4. Urology
5. General surgery
6. Dialysis
7. Diabetes
8. Neurology
9. Oncology
10. Nephrology
11. Orthopedics
12. Ophthalmology



Clinical System Main Features

1. MYELIN will help doctors in different specialties and degrees in managing all functions and movements related to their patients & all clinical departments such as:

- Design of all medical records and orders, notes, medical, biological and clinical data of the patient.
- Follow-up patient in the department.
- Link Doctor to all Supportive departments such as Radiology – Laboratory – Pharmacy.
- issuing medical applications from all other service departments and these requests are sent immediately to those departments such as Blood Bank – Surgery Department – Pharmacy

2. Obtaining the results of laboratory tests and radiation reports automatically by inquiring about those results.

3. Inquiring about the electronic medical record and the previous data of admission, review of clinics, medicines, doctors' notes, observations of the nursing staff ... etc

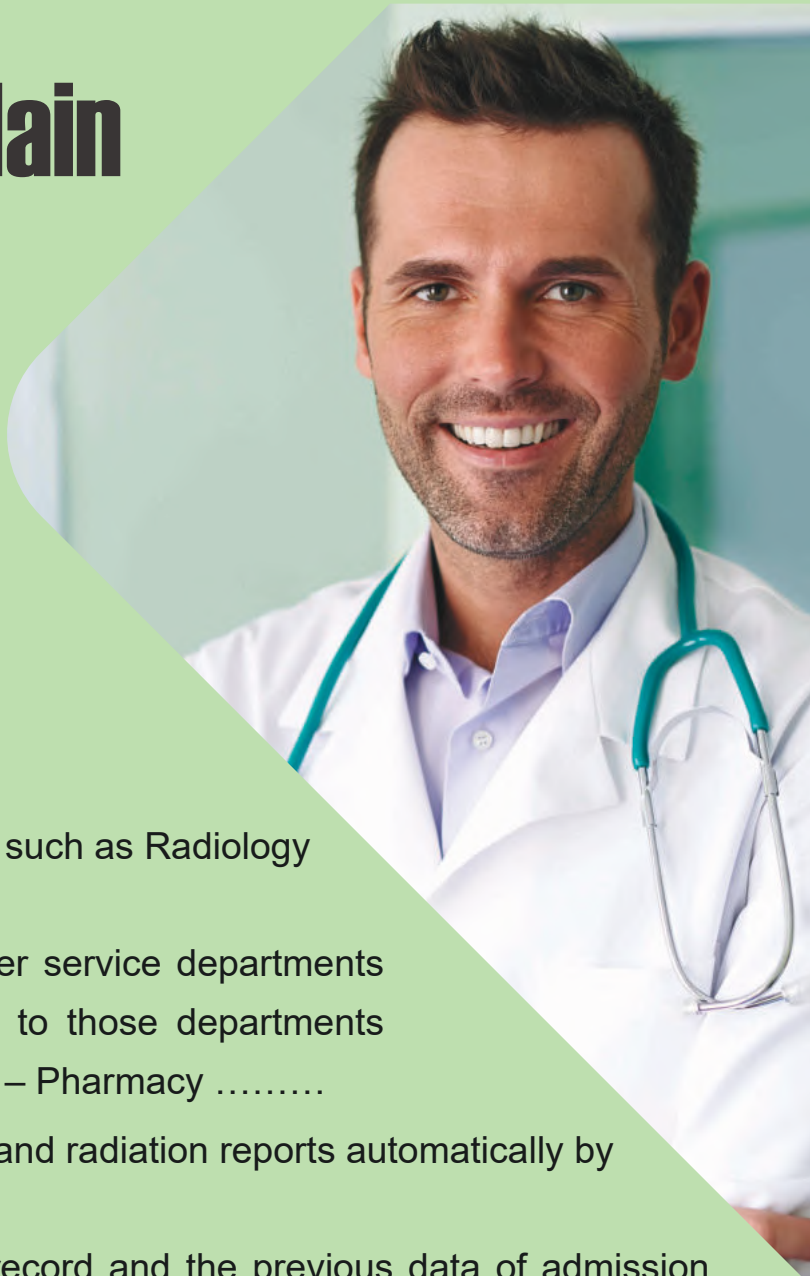
4. Access to medical data and physician's instructions when the patient enters the hospital.

5. Entering clinical data of the patient at reception and writing the report of the observations of the nursing system on the patient's condition.

6. Booking an appointment for surgery according to the instructions of the treating physician and inform the surgeon of the date when confirmed.

7. Transferring the patient from one department to another and notify the patient's future section automatically about the patient's conversion. This includes the automatic reporting of medical records on the conversion of the medical record (telephone).

8. Entering clinical data for the patient (blood pressure, temperature, pulse, breathing, weight ...) during nursing sessions with observations. MYELIN will allow the ability to write and obtain the data graphically.



Clinical System Standard and Devices Integration

1. Dealing with international standard coding systems for various diagnostics, services and procedures such as ICD10 / ICD11.
2. The system is in line with the HL7.
3. Connecting with radiology devices to make a complete archive of radiation (PACS) through the HL7 protocol.

Clinical System General Features

1. The system supports both Arabic language and English Language and the user can switch between the two languages without logging out.
2. The system supports integration with office productivity tools (MS Word, MS Excel, MS Power Point and MS Access).
3. The system accepts attachments (images and documents) and attach them to appropriate records.



Clinical Modules

Modules List

- Medical record
- Order Entry
- Nursing
- Inpatient
- Critical
- Pharmacy
- Radiology
- Laboratory
- CSSD
- Emergency Room
- Clinical Management

Key Benefits

- Improve Patient Coordination
- Improve Care Coordination
- Improve Diagnostic and Patient Outcomes
- Efficient Patient Process
- Cost Saving

Medical Sheets

- Internal Medicine
- Cardiology
- Cardiothoracic
- Dermatology
- Pediatrics
- Urology
- Allergy



Coding system

- ICD
- LOINC
- CPT
- SNOMED CT

Key Features

- Care and Treatment Planning
- Patient Assessment
- Scheduling and Appointments
- Clinical Documentations
- Medication Management
- Patient Observations

Main Documents

- Patient Personal History
- Physical Examination
- Doctor's Order
- Medication Sheet
- Physician Progress Notes
- Consultation request
- Operative Report
- Discharge summary

System Screen Shots

ClinicalOverview

Print

Food Allergies

☒ Meat

Drug Allergies

☒ Wheezing
☒ Itchy skin

Special Habits

☒ Smoker
☒ Alcohol

+/-

Other Allergies

Animal dander

Patient Illness

☒ Ehrlichiosis
☒ High Blood Pressure
☒ Nasal and sinus diseases

Mohamed Adel Mohsen

26/05/2016 05:30 PM

Patient Code: 7

Gender: Male

Patient Age: 27 Year

Nationalities: Egyptian

Cash

Internal

Aly Ahmed Aly(Internal Medicine)

Hospital Case

Vital signs

2

1

1-pain
2-hfjfhgcmhg
cmhgchg

Pain Score

6.00 point

Weight

90.00 kg

Bp

90.00 /140.00

Temperature

37.00 °C

0

1

2

3

4

5

6

7

8

9

10

Multiple Reservation ☐

Recovery / Cancellation

Consultant



AM



Adel Ahmed
Consultant

Tuesday

26/10/2021:From12:00 AM - To05:00 PM

Open

Consultation0

FollowUp0

Enter

Close

Patients

Schedule



Khalied Hassan
Consultant

Thursday

28/10/2021:From12:00 AM - To05:00 PM

FollowUp0

Consultation0

Patients

Schedule



Adel Ahmed
Consultant

Thursday

28/10/2021:From12:00 AM - To05:00 PM

Patients

Schedule



Last Vital Sign

Pain Score: 2Point

Weight: 64Kg

Temperature: 37C

Bp High: 110

Heart Rate: 110

VIEW HISTORY SIGN

Filter By Month

10/21

11/21

12/21

01/22

02/22

03/22

04/22

05/22

06/22

07/22

08/22

09/22

10/22



Filter By Week

5



Filter By Available Days

Tuesday

Thursday



Our Customers



Egypt Well Care Hospital
Cairo



Mabart Al Asafra Hospital
Alexandria



Misr El-Mahaba Hospital
Menya



Mabart Al Asafra West Hospital
Alexandria



Al Eqbal Hospital
Alexandria



New Sahla Hospital
Alexandria



Okba Bin Nafee Hospital
Alexandria



Waha Hospital
Cairo



New Nozha Hospital
Alexandria



Thagher Specialized Hospital
Alexandria



El Ryada Hospital
Alexandria



مركز دمنهور للعيون
AMANHOOR EYE CENTER



Safwa & Laser Center



Elsafta Hospital



Azraa Hospita



Smouha Center for Pediatrics
Alexandria



Dar Elzokora
Alexandria



Growell
Alexandria



مستشفى كيرهب للرعاية المنزلية



Radiology International Center
Alexandria



Zohairy Hospital



Zamzam Hospital
Alexandria



Agial Hospital
Alexandria



Al Nokhba
Kafr El Sheikh - Egypt

