



# Health Management Information System



الشركة الفنية لتوطين التقنية

Adaptive TechSoft

# Who We Are ...



Founded in the early nineties, Adaptive TechSoft *ats* is a global corporation, specialized in the design, development and implementation of quality solutions for Healthcare and Higher Education environments.

Based on best practices, state-of-the-art technologies, we provide innovative multi-lingual applications and intelligent online services for Public & Private Sectors. If you are concerned with technology, performance, quality and cost, then make sure to have a partner, Adaptive TechSoft.



# Vision & Mission



## **Our Vision:**

“Achieving regional excellence in developing and applying modern technical solution”





We are aspired to be the first choice for providing advanced, integrated solutions for health and education sectors.

## **Our Mission:**

Invest in creative minds to adapt technology in our Arabic region , through the production of advanced, integrated, high-quality systems to achieve regional and global leadership

# Our Products & Services...




-  Hospital Information Management System.
-  University Information Management System.
-  Business Intelligence System.
-  Mobile Applications.
- Professional Services.
- University Portal.
- Content Management System.

# Our Partners



**ORACLE**  
Golden Partner



**3M**  
Code Finder Software




**NUANCE**  
Dragon Speech  
Recognition Software



**Hyland**  
OnBase Content  
Management Solution



**Wolters Kluwer**  
Lexi-Comp Clinical Drug  
Information



**IMO**  
Intelligent Medical Objects



# ABOUT CareWare



- ❖ In House Development
- ❖ State of Art & Health Care Business Best Practice
- ❖ Oracle Based
- ❖ First Implementation in 1993
- ❖ Supports Multi-Hospitals & Multi-Facilities
- ❖ Parametric System
- ❖ Adherence to International Standards, Coding Schemes, IHE & HL7 Compliance



# Software Application Features



Comprehensive Fully Integrated System



Secure System



One Stop Station/Role Based Design



Enforcing Quality Controlled Processes



User Friendly, Graphical, Bi-lingual Interface



Interface with external devices:

*Lab Analyzers & PACS...*



# International and local accreditations



## Awards & Certifications

Information Registration Certificate - Business Classification From Communications and Information Technology Commission

2021

Certified Software to provision activation with Nphies platform

2021

Oracle Golden Partner Since 2007

IHE International Testing Pass 36 Profile

“Integrating the Healthcare Enterprise”

2013-2019

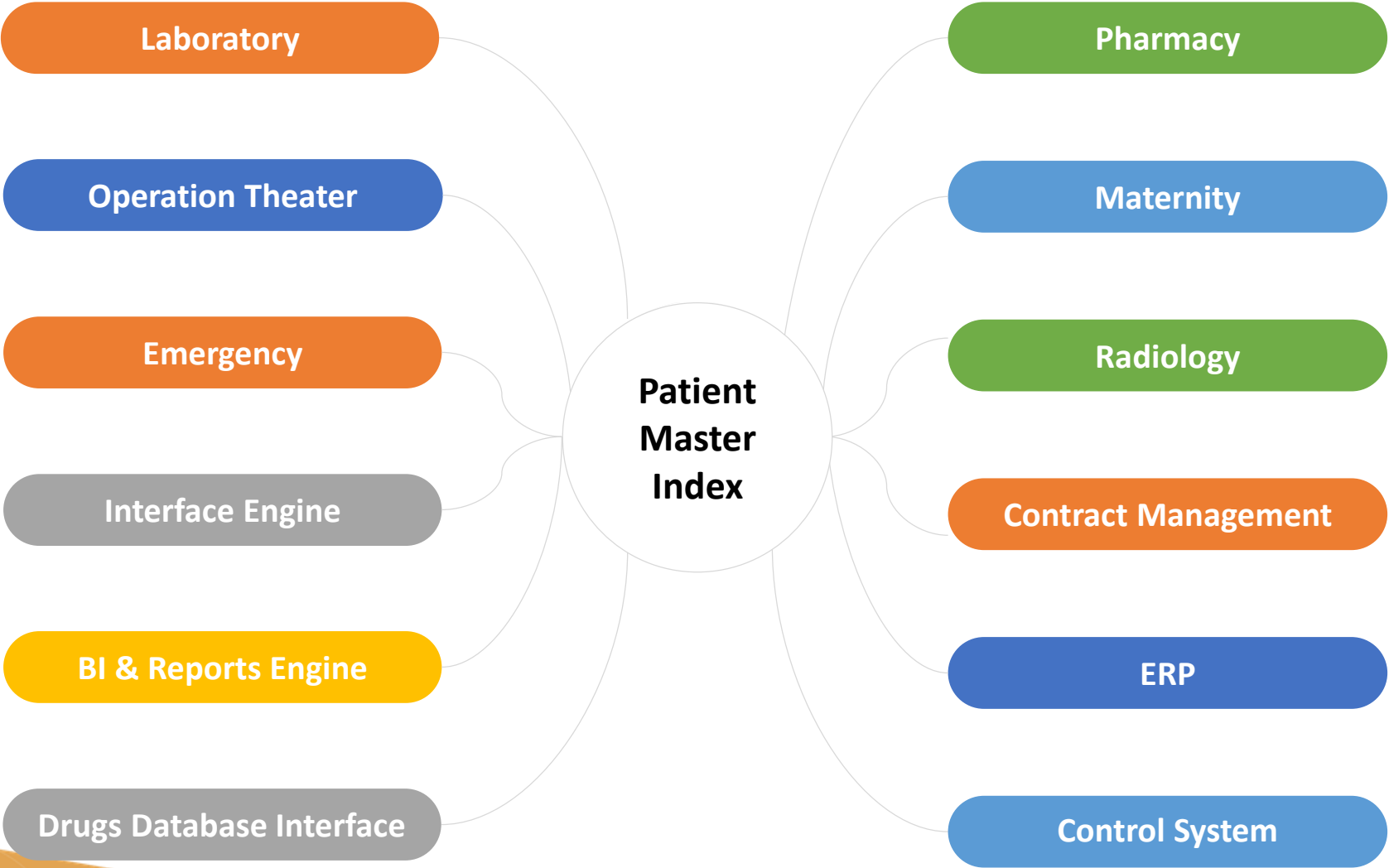
Capability Maturity Model Integration Certificate – Level -3

2011





# CareWare Modules Structure



# Core System Modules



- ❖ Scheduling & Appointments
- ❖ Patient Master Index
- ❖ ADT
- ❖ Laboratory
- ❖ Out-Patient Clinics
- ❖ Emergency Room
- ❖ Health Information Managements
- ❖ Pharmacy



# Admin Modules



- ❖ Admission Planning
- ❖ Dietetics & Catering
- ❖ Treatment Eligibility & Approval Control
- ❖ Central Sterile Services Department (CSSD)
- ❖ Pharmacy IVR System
- ❖ Physicians IVR System
- ❖ Referral Portal
- ❖ Appointment, LAB Orders Portal/Website
- ❖ Order Communications
- ❖ Death Registrations
- ❖ Self Services Machines
- ❖ Queuing System
- ❖ Patients IVR System



# Clinical Modules



- ❖ Physicians Desktop
- ❖ Nursing Station
- ❖ Clinical Forms Builder
- ❖ Blood Bank
- ❖ Radiology
- ❖ Operating Theatre
- ❖ Maternity & Premature
- ❖ Rehabilitation Center

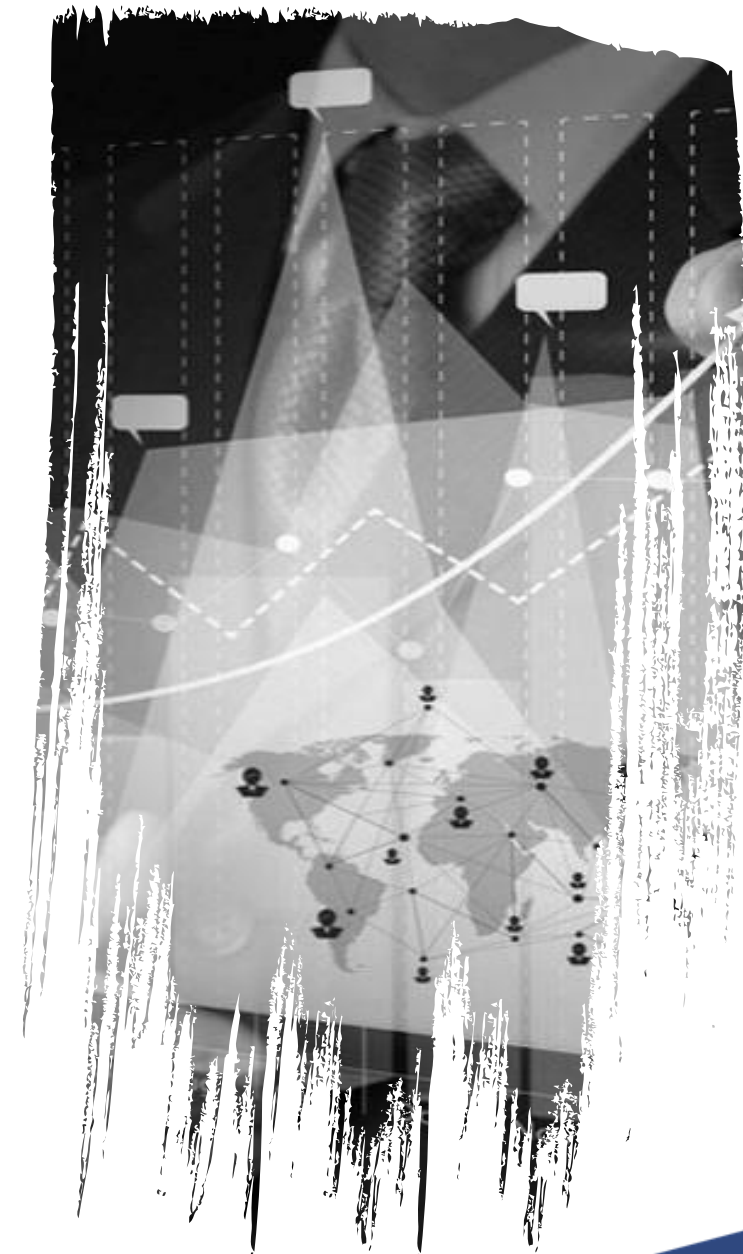
- ❖ Prosthetics & Orthotics
- ❖ In Vitro Fertilization (IVF)
- ❖ IV Compounding
- ❖ IV ADD-Mixtures
- ❖ Total Parenteral Nutrition (TPN)
- ❖ Medication Interventions Management
- ❖ Pharmacy LAB



# ERP Modules



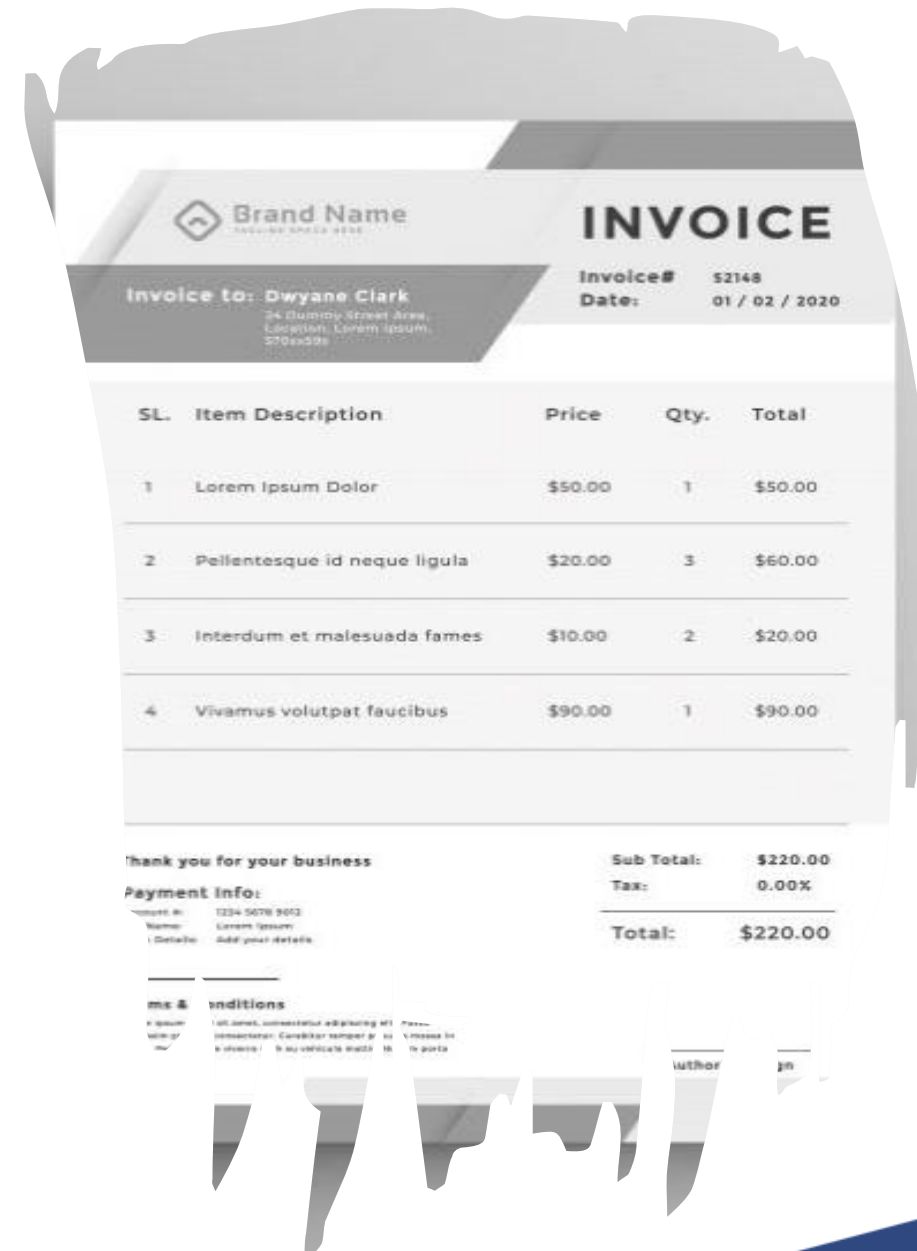
- ❖ Procurement System
- ❖ Inventory Management
- ❖ Maintenance System
- ❖ General Ledger
- ❖ Cash Management
- ❖ Accounts Receivables
- ❖ Accounts Payables
- ❖ Fixed Assets
- ❖ Recruitment
- ❖ Personnel
- ❖ Payroll
- ❖ Government Relations
- ❖ Compensations & Benefits
- ❖ Time Sheet Attendance
- ❖ Leaves Management
- ❖ Travel & Ticket Process



# Billing & Insurance Modules



- ❖ Patient Billing System
- ❖ Insurance Contract Management System
- ❖ Pricing Management System
- ❖ Claims Managements System
- ❖ Doctor Commissions & Fees
- ❖ e-Claims



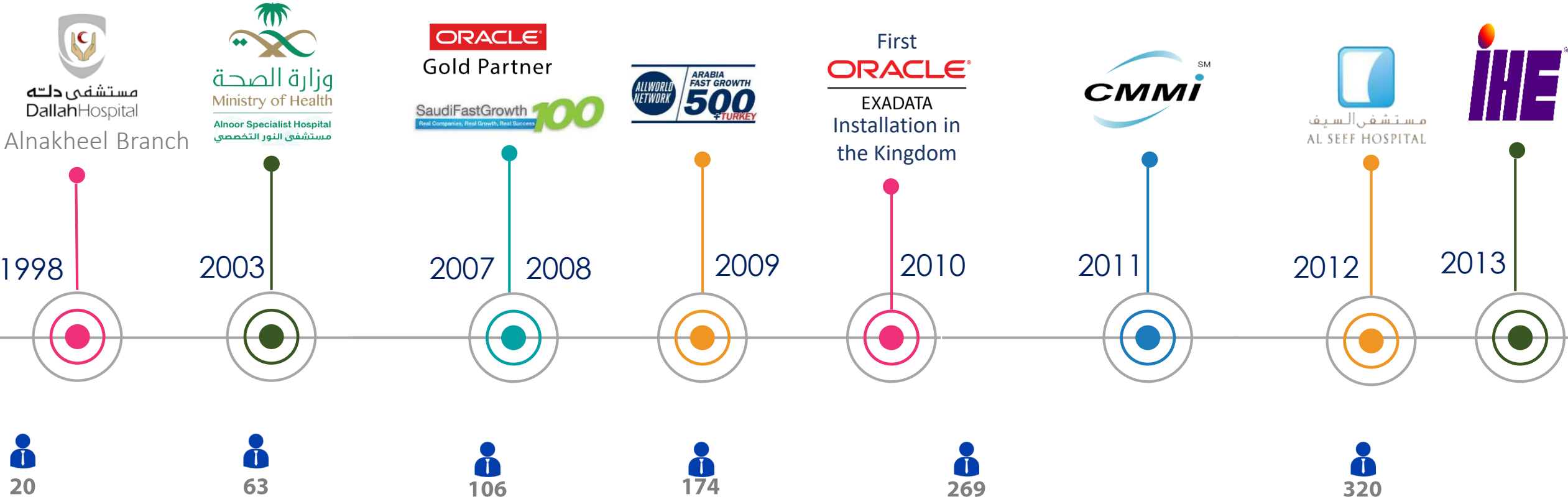
# Control Modules



- ❖ Users Roles & Authentications
- ❖ System Administrations
- ❖ System's Audit Trails
- ❖ Hospital Monitoring
- ❖ Hospital KPIs
- ❖ Hospital BI & Statistics



# Projects Timeline





# Projects Timeline



# IHE History and Achievements



**IHE** Integrating  
the Healthcare  
Enterprise

- ❖ ATS passed IHE (36) profiles/actors
- ❖ ATS participated in (8) Connectathon as following:
  1. Europe 2013 - Istanbul
  2. Europe 2014 - Vienna
  3. NA 2015 - Cleveland
  4. Europe 2015 - Luxembourg
  5. Europe 2016 - Bochum - Germany
  6. Europe 2017 - Venice - Italy
  7. Europe 2018 - The Hague – Netherlands
  8. Europe 2019 - Rennes- France

# Some Selected Customers: KSA



# Some Selected Customers: Arab Countries



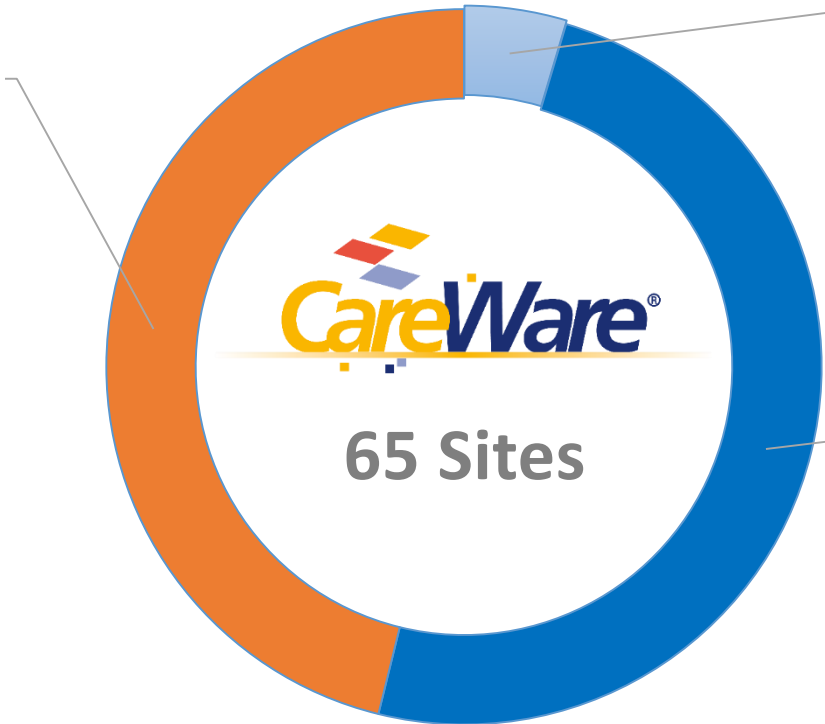
# Geographical Presences



# HealthCare Sector - Clients Distribution- All Countries



Careware Private Hospitals  
( 30 Sites )  
46%



PHC ( Public and Private )  
( 3 Sites )  
5%

MOH Hospitals  
( 32 Sites )  
49%



PHC  
(3)

MINI  
HIS  
(26)

MOH  
CareWare  
(6)

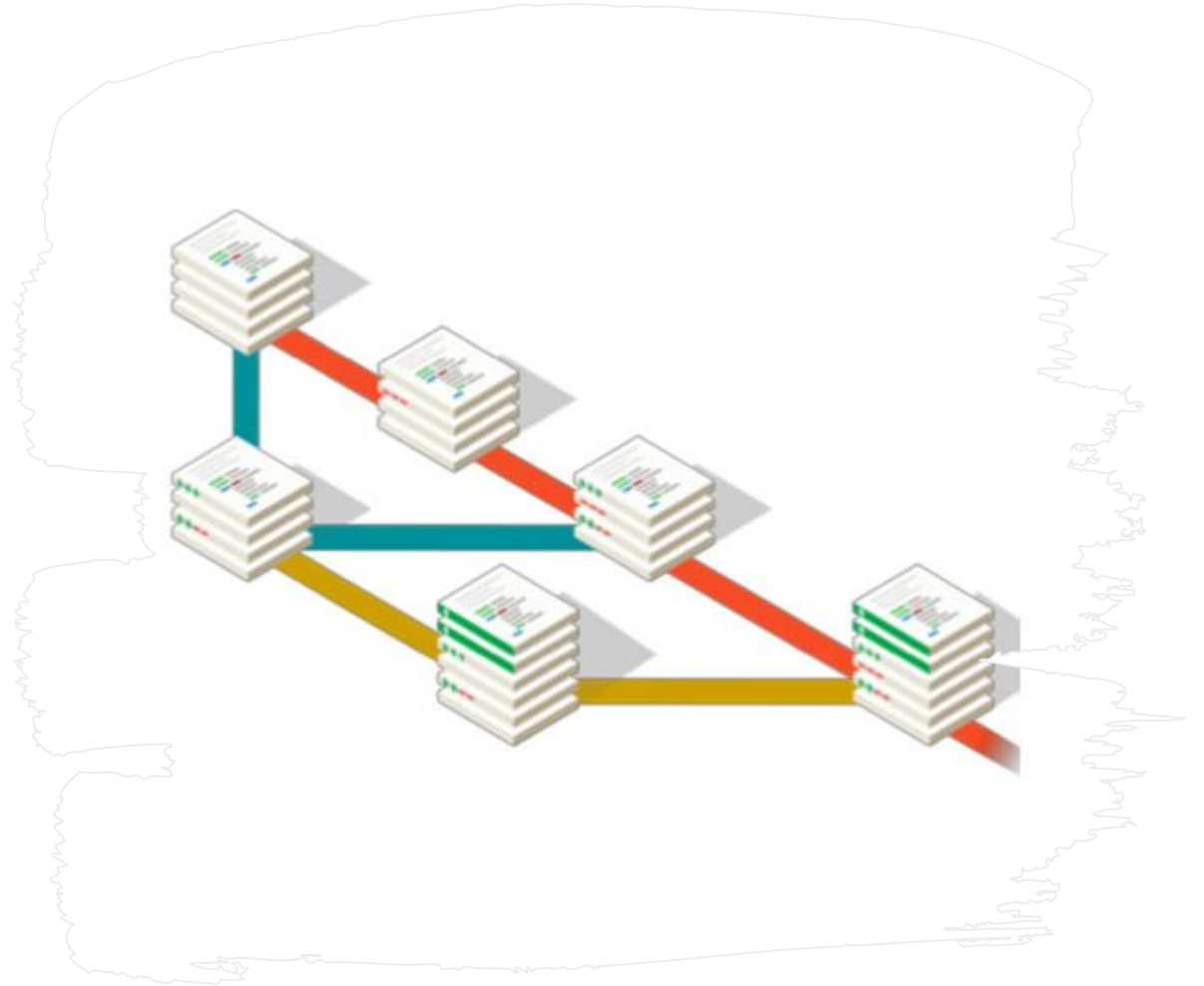
CareWare  
PRIVATE  
(30)

Total  
(65)

# One Controlled Version:



- ❖ One controlled version will utilize the periodic version upgrade and batch set updates
- ❖ Central Development implementing SDLC standards
- ❖ QC & QA on each update & changes
- ❖ Documentation for each update & changes
- ❖ Central Support Services Team utilizing on-line ticketing system in addition to the on-site support team.

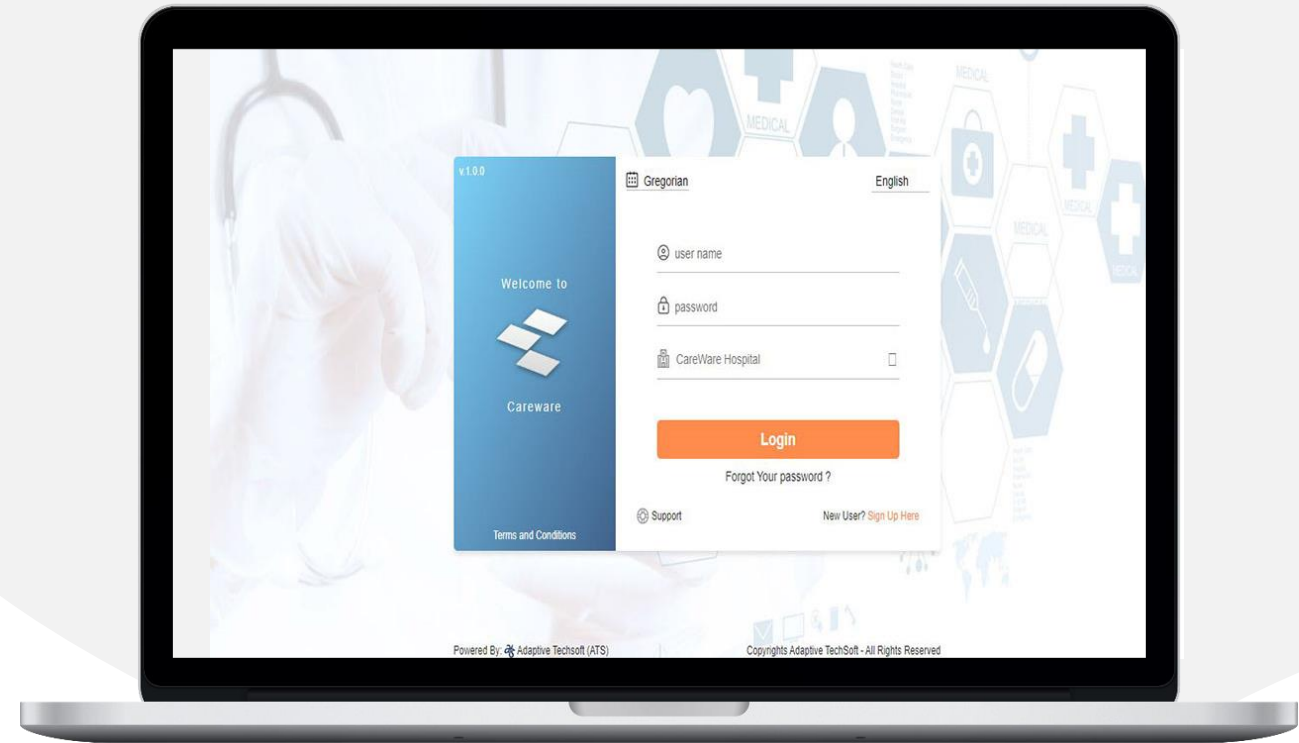




# Web Based Doctor Desktop Module



New module has been developed from scratch to provide all current feature of Doctor Desktop with the latest technology of web based with HTML5 and responsive design



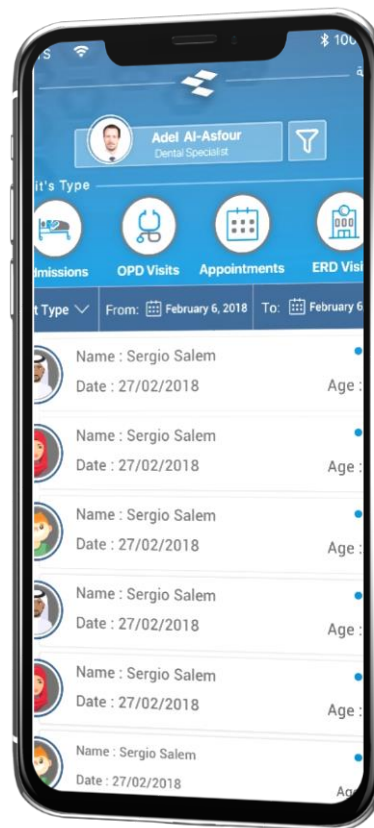
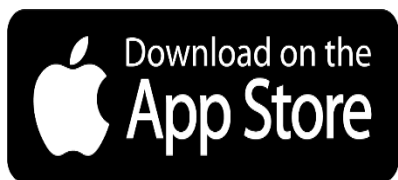
# Mobile Application



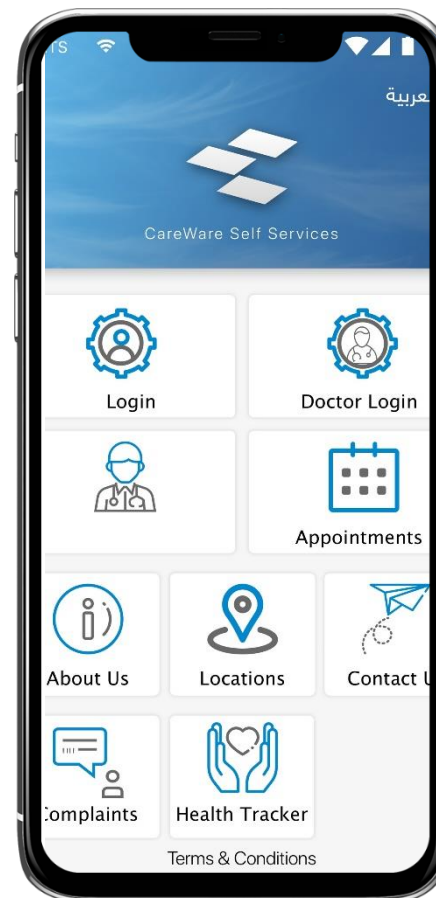
New Native Mobile Application developed to provide services for the following



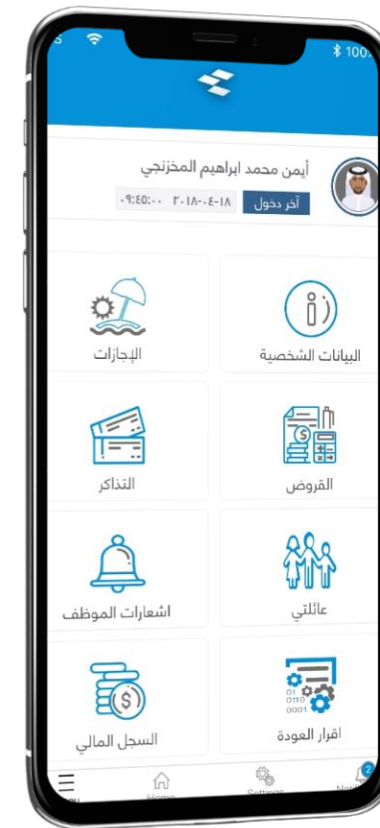
Arabic & English



Doctor

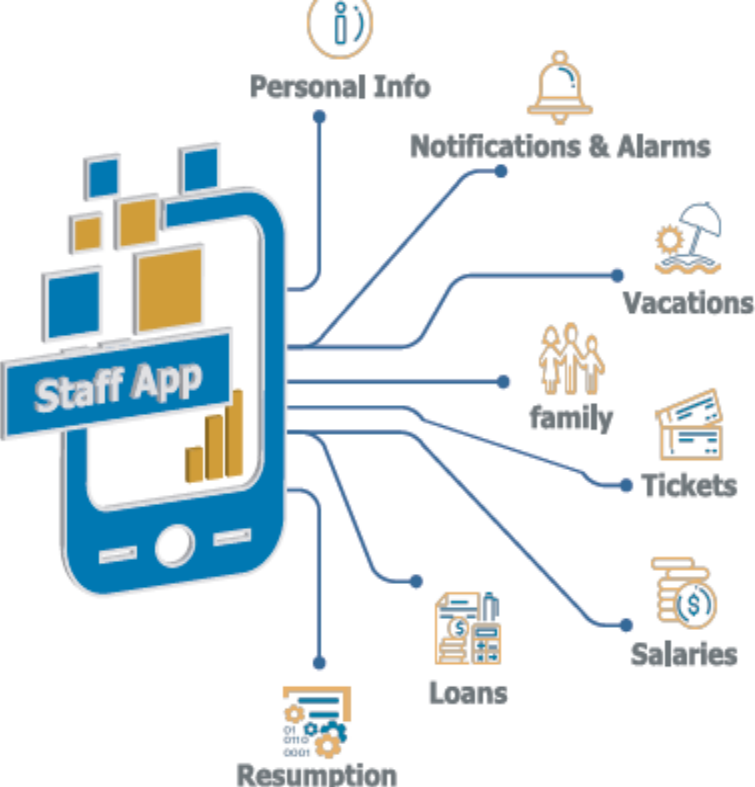
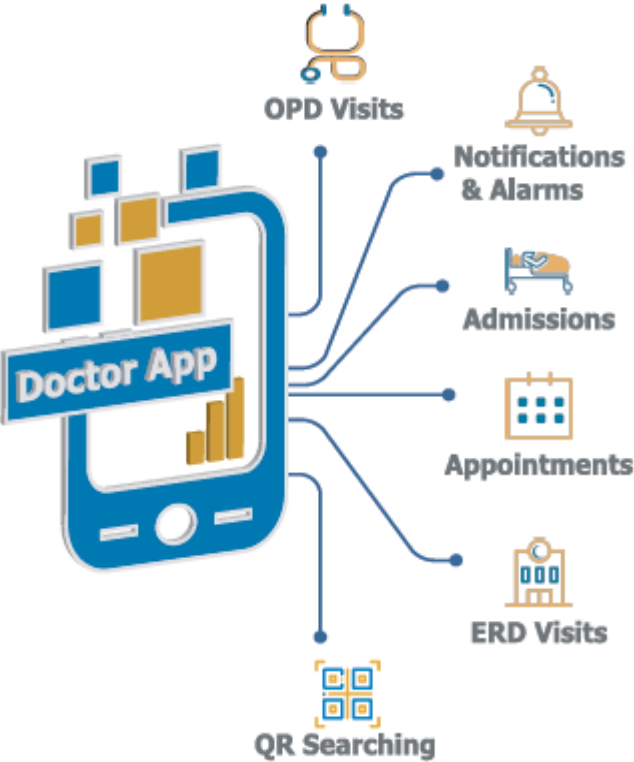


Patient



Staff

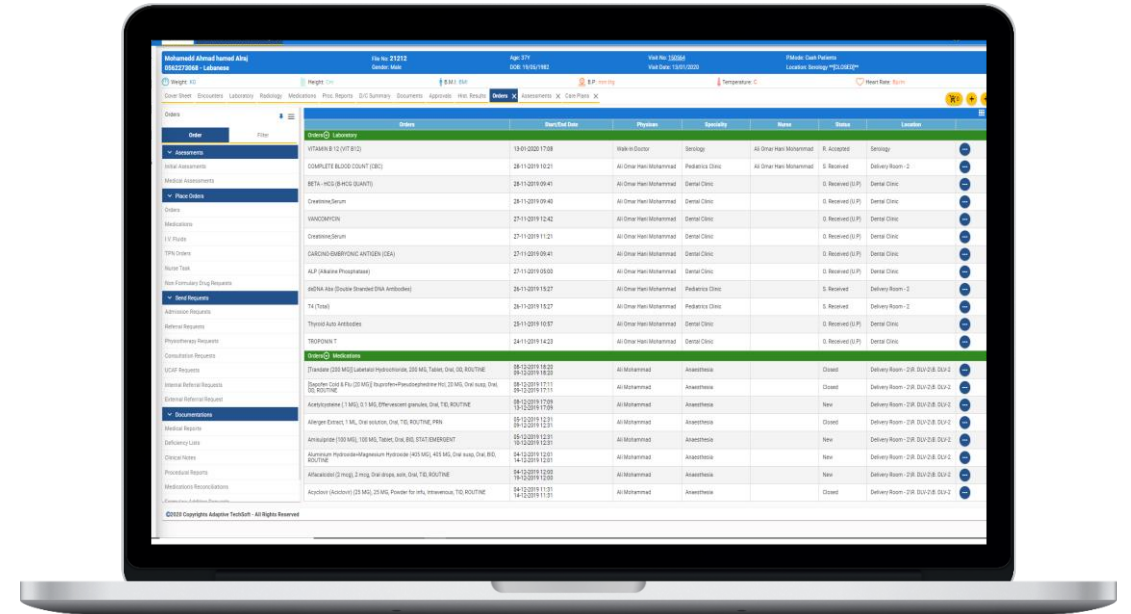
# Mobile application components



# Unified Medical Record (multi facility)



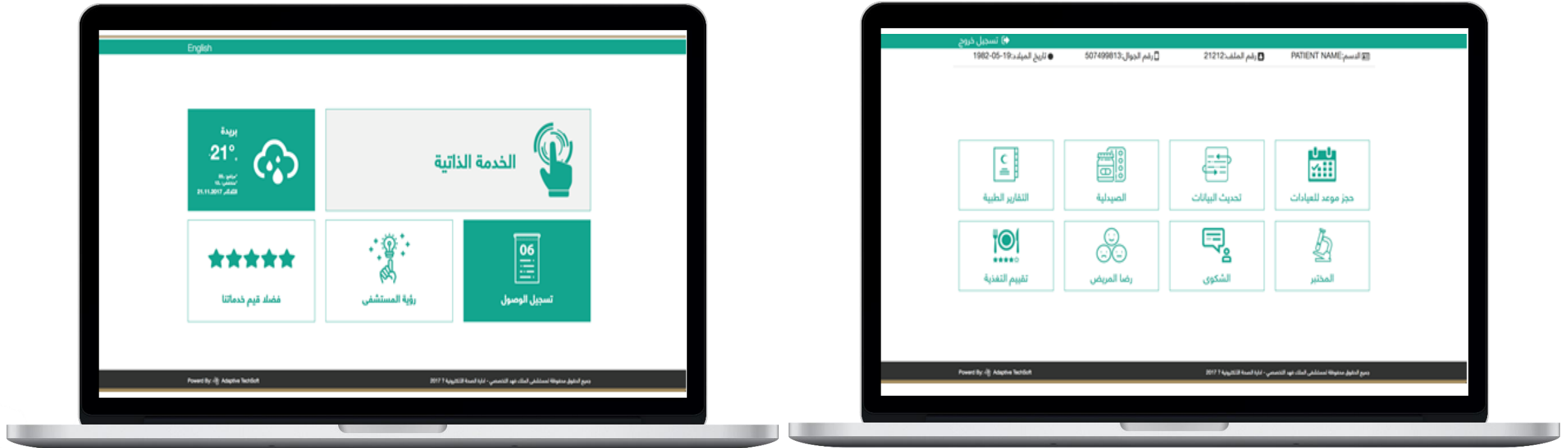
New EHR is developed using web based technology to view all patient history within all facilities



# Web Based e-Services



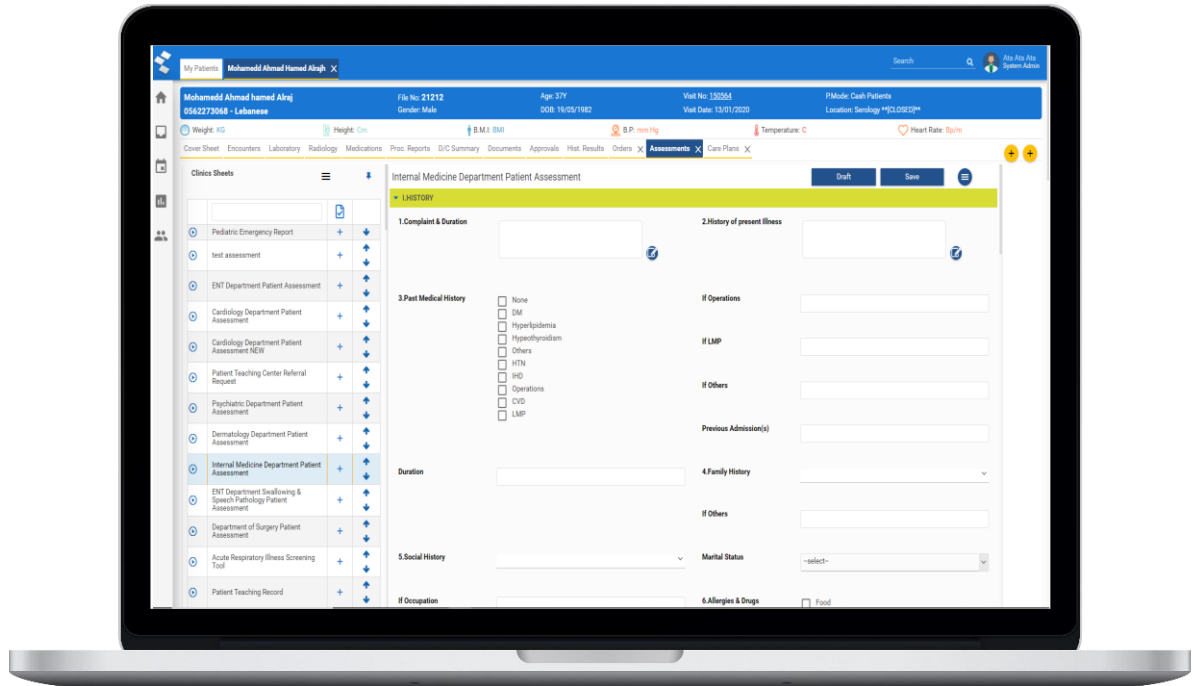
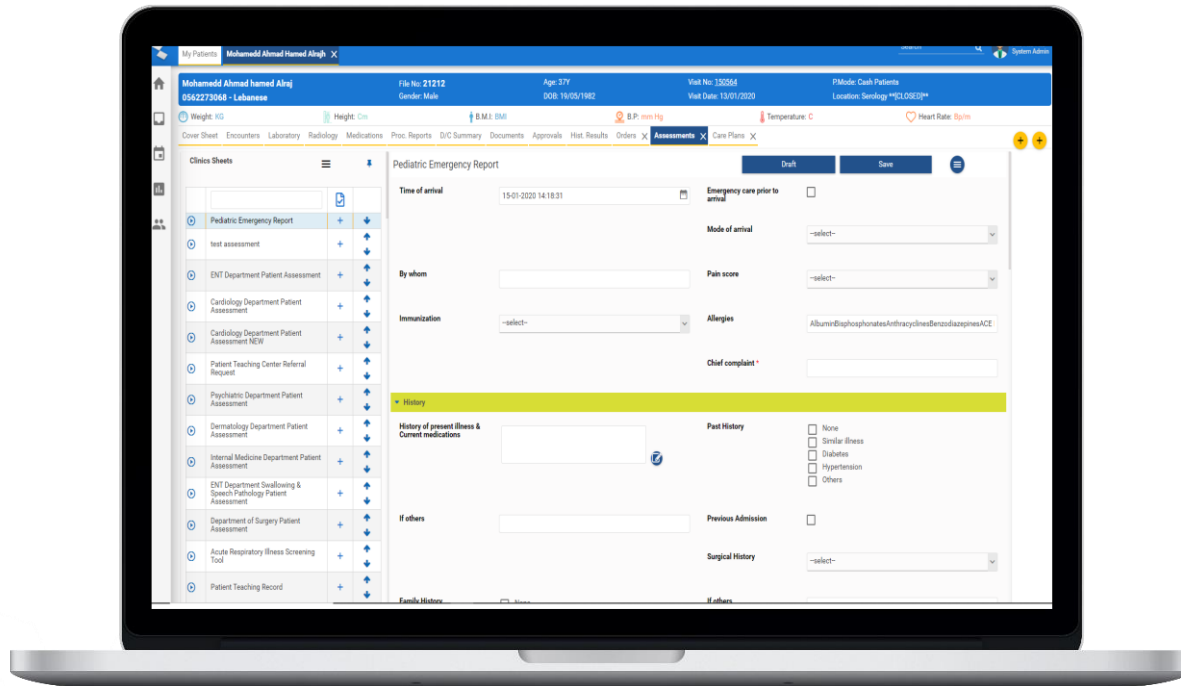
New Portal is developed to provide e-Services for the hospital, these services are built on dynamic workflow engine



# Assessment Sheets and Clinical Sheets



New web based module developed to provide all assessment sheets used by different department and users (ER,OPD and inpatients) (nurses and doctors) using dynamic sheets/ content definition



# Centralize System



## Financial Consolidation (Multi Facility)

New module developed to provide the consolidated financial reports for all corporate facilities

## Central Procurements

New Feature to provide the central procurements option, so one central department issue unified PO based on the received requisition from different facilities

## Central Stores and warehousing

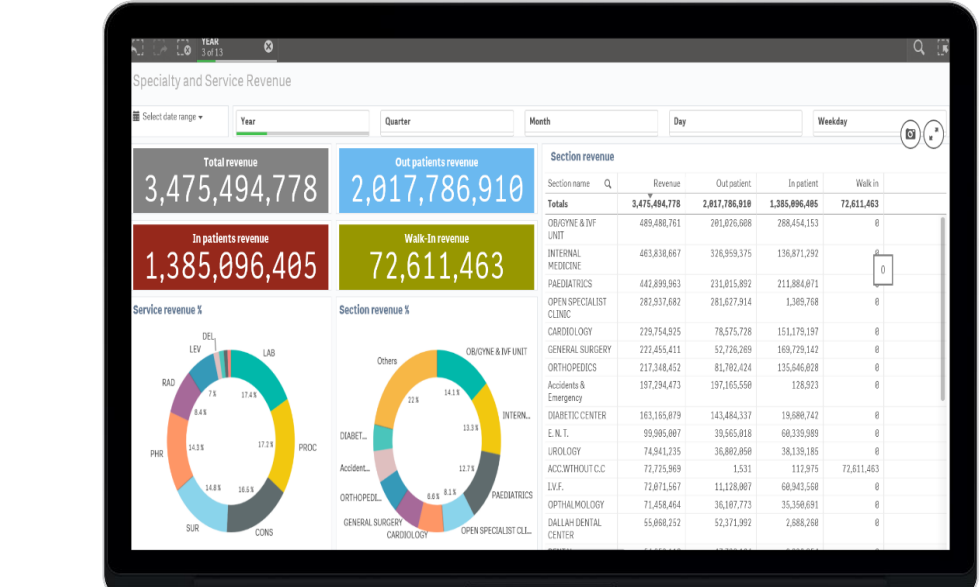
New feature developed to provide central stores on corporate level and sub stores on facility level



# Embedded Features & Services



## Dashboard and KPI's



## Oracle Apex



New Dashboard and KPIs system developed using Qlik view tools and Oracle Apex .



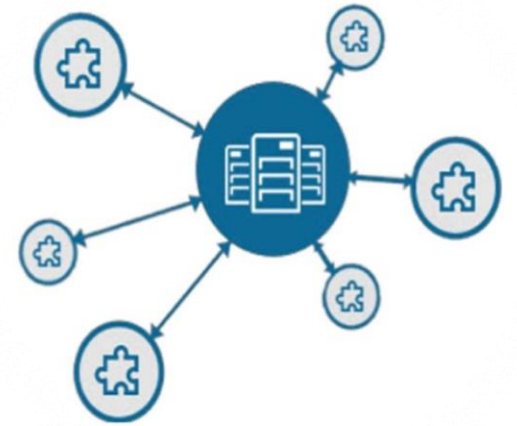
# Accreditation



## CBAHI & JCIA Accreditation

- ❖ All mandatory CBAHI and JCIA accreditation requirements developed in the system
- ❖ HL7 , FHIR integration with all medical devices
- ❖ IHE Profiles Compliant (36 Profile/Actor)
- ❖ CAS "MAWID" (appointments)
- ❖ AYENATI (LAB)

- ❖ 3M (KPI)
- ❖ MARSAD (KPI)
- ❖ AGFA (Radiology)
- ❖ LIS
- ❖ Pharmacy robotic machines
- ❖ CRS (Client Registry Service )
- ❖ CVIS (Cardiac)
- ❖ ICCA (Cardiac)



Thank  
You



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