



COMPANY AFFAIR & OUTLINE

E-MEDICAL SOFTWARE LIMITED

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TOP MANAGEMENT PROFILE



FARUQ AHAMMAD

CHAIRMAN & CTO



20 years'
experience in
Healthcare
Automation.



MD. RASHEDUL ISLAM

MANAGING
DIRECTOR



16 years'
experience in
Healthcare
business.



A.B.M. SHAFIULLAH

DIRECTOR
FINANCE



10 years'
experience in
Healthcare
industry.



MD. ANISUR RAHMAN

DIRECTOR
TELERRADIOLOGY



12 years'
experiences in
Teleradiology
Industry.



SHAMSUL ARIFIN

HEAD OF BUSINESS
DEVELOPMENT



15 years'
experience in
Healthcare
business.

OUR VISION



OUR MISSION

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To develop, innovate and provide robust Healthcare ERP solutions using latest technologies worldwide as per the client's vision with quick implementation and affordable cost.

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To harness superior thinking in the creation of software products, our mission is to be a leading health ERP software Solution company in the IT sector and progress in our current position in the market. We know that Customer's growth is our growth, so, we commit our customers to help in achieving their business goals. We believe in work with accuracy and best quality. We want to be known as the reliable, innovative and user friendly software service provider in the IT industry. A simple mission is to be the best that will affect the client

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EMSL is humbled by the fact that most of our business comes as a result of referrals from our clients. We have a consistent track record of sales growth that is a testament to our zealous focus on building the finest hospital information and management system, and offering it at a



OUR CORE VALUES



Transparency	: At EMSL, accountability and transparency are core values.
Customer focus	: EMSL is responsible for managing customer expectations in delivering superior levels of service
Integrity	: Integrity is more than mere honesty or a code of conduct.
Respect	: Be collaborative is our basic. We do our best when we do it together, with respect and humility.
Diversity	: We do respect and appreciate differences in age, gender, ethnicity, education, physical abilities, race, and religion among individuals.
Innovation	: It is our strategic focus for driving high growth in IT sector, simultaneously, is a practice of choosing to do new things to create our values.
Professional Aptitude	: Aptitude is at the heart of performing remarkably glowing.
Recognition	: Our only recognition is our customer's feedback.
Growth	: EMSL staff members are highly engaged, they perform at the highest levels for that the company is being blossomed.
Curiosity	: New innovation in healthcare automation.
Personal development	: We integrate person's capabilities and potential, build human capital, facilitate employability, and enhance quality of life and the realization of dreams and aspirations.
Teamwork	: Our team work inspires creativity and innovation, transparency & accountability, and business potentiality.

OUR CORE RESOURCES



OUR CORE TEAM

01



PROJECT
MANAGEMENT TEAM - 15

02



DEVELOPMENT
TEAM - 31

03



IMPLEMENTATION
TEAM - 45

04



SERVICE &
SUPPORT TEAM - 15

05



SALES & MARKETING
TEAM - 10

06



HR & ADMIN - 06

07



FINANCE - 05

AT A GLANCE

NAME OF COMPANY	E-MEDICAL SOFTWARE LIMITED
Year Established	02-01-2014
Type of Business	Private Limited Company
Trade License	Under the act of Dhaka North City Corporation ordinance-2009 Section 84 and 2016 Article 10. Trade License No: TRAD/DNCC/006528/2023
VAT Registration Certificate	BIN : 005809454-0402
Business Function	Integrated Management Software Solution (HealthCare), iOS& Android APPs, Integrated PACS & RIS, TeleRadiology Service.
Managing Director	Md. Rashedul Islam
Corporate Office Address	House No. 8/1, Road No. 01, Shyamoli, Dhaka
Sales & Service Office	2nd & 3rd Floor Shahjalal Plaza, Mehendibag, Sylhet.
Sales & Service Office	House: 11, Road No: 3, Makka Tower, ProsantiR/A, CattoliAkbarsha, Colonelhut, Chattogram
Sales & Service Office	House: 31/2, Road No: 1, Dhap Kotkipara, PTI Road, Rangpur.

AT A GLANCE



Departments	1. Software Development 2. Website Development 3. TeleRadiology Service 4. Business Development 5. HRM 6. Accounts Department
ERP Software	Desktop and Web-based Application Database: SQL Server, Oracle
Website Address	www.emedicalltd.com
Company Contact EMAIL	emslbd2014@gmail.com
Company Phone	Sales Desk : +8801321150001, +8801321150002, +8801321150003
Areas of Expertise	Website development, Software development, iOS& Android Development
Motto	'360 degree healthcare automation'
Bank Information	Account Name: E-Medical Software Limited Bank Name: Trust Bank Ltd. (Centennial Branch, Dream By Icon, 2/4, Block-A Mohammadpur Housing Estate, Mirpur Road, Dhaka)
Logo	

SOFTWARE MATRIX

- 01 ➤ INTEGRATED SOFTWARE 
- 02 ➤ INTRA & INTEROPERABLE SOLUTION 
- 03 ➤ MANAGE MULTI BRANCH WITH '0' DOWNTIME SOLUTION 
- 04 ➤ CLOUD-BASED SOLUTION 
- 05 ➤ IOS & ANDROID APPS SOLUTION 
- 06 ➤ ROBUST & SCALABLE SOLUTION 
- 07 ➤ ADOPT INTERNATIONAL STANDARD 

OUR SKILL MATRIX

HERE IS A LIST OF TOOLS AND TECHNOLOGIES USED FOR DIFFERENT SOFTWARE DEVELOPMENT PROJECTS WE ARE OFFERING, INCLUDING BUT NOT LIMITED TO

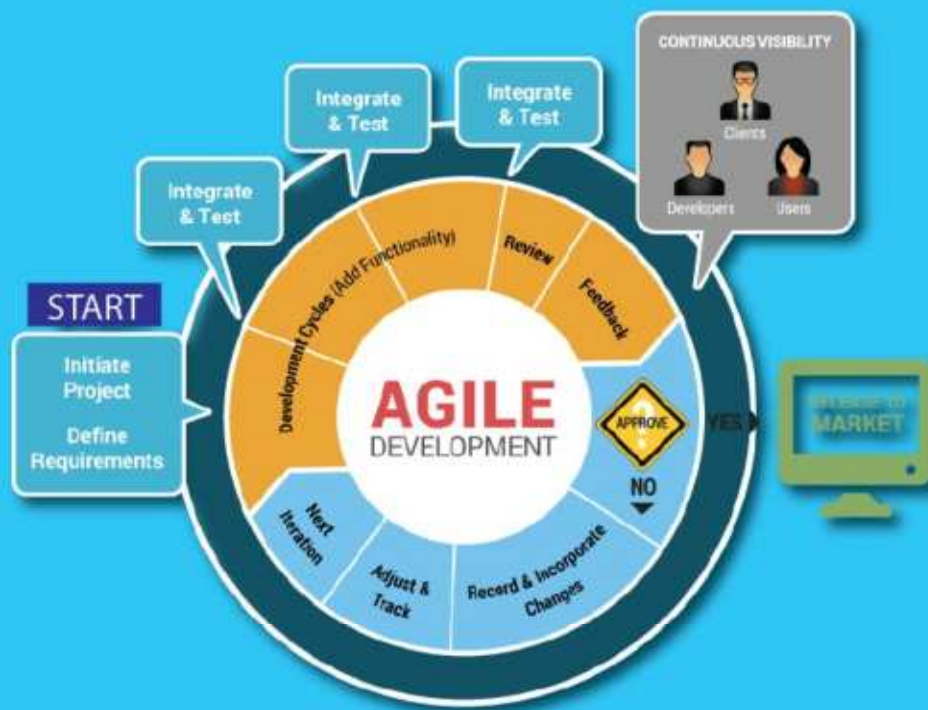
Enterprise	Custom Enterprise Solution	Enterprise Resource Planning	Integrated Healthcare Automation, Integrated iOS& Android APPs, including Integrated PACS & RIS, EMR, PoS, HRM & Payroll, Accounts, and SCM.
Software (Desktop)	Enterprise Portal Development Software Development	According to Client Requirements	Language: C# (.Net) Database: SQL Server 2008/2012/2016/2019/2022 Windows Forms, Windows Presentation Foundation (WPF)
Software (Web)	Web Application Development iOS&Android Development Application Maintenance	Enterprise Web Application	UI Technology: ASP.Net Core, .Net 7, MVC, Blazor Server and BlazorWebAssembly Database: SQL Server 2008/2012/2016/2019/2022 Database: Oracle 19C Integrated 24/7

DEVELOPMENT ACTIVITIES



WORK PROCESS

WE WORK WITH AN AGILE METHODOLOGY FOR INNOVATION; IT WILL MITIGATE THE RISK OF DISRUPTING CURRENT PROCESSES BY ALLOWING INCREMENTAL STEPS TO BE MADE. FURTHERMORE, WE ENSURE THAT CUSTOMER/CLIENT INVOLVEMENT AND FEEDBACK IS INTEGRATED INTO THESE PROCESSES, AS THIS INPUT IS A CRUCIAL PART OF DEVELOPING EACH ITERATION.



KEY BENEFITS USING AGILE

- INCREASED COLLABORATION
- FLEXIBILITY
- FASTER TIME-TO-MARKET
- IMPROVED STAKEHOLDER SATISFACTION
- CLEAR PROJECT VISIBILITY
- BETTER QUALITY
- COST SAVINGS

360° HEALTHCARE AUTOMATION



ABOUT OUR CORE SOFTWARE DETAILS



INTEGRATED IOS & ANDROID MOBILE APPS

Patient Service Portal, Consultant Appointment Booking & Payment, Patient's Investigations Entry & Payment System, Home Collection Ordering & Payment System, Lab & Image Report Viewing, Downloading, Image Viewing with EMSL's viewer. Process Activity Tracking, Overall Payment Integration, and Electronic Health Record or EMR System.

FRONT DESK/HELP DESK

Admission Patient Query, Previous Patient Searching, Bed/Cabin Status. Enquiry and Booking Details, Appointment Details View, Admitted Patient Bill Estimation. Patient ID card Management: Patient Registration, Patient Fingerprint Capturing, Unique Registration Number, Patient Photo Capture by Integrated Camera, Configuration with Auto SMS to Referral (Optional), Patient Barcode ID Card Printing, Patient ID Card Issuing, Patient Searching (Old), Deactivation of Patients Record.

APPOINTMENT SCHEDULE

Appointment Generation, Calendar wise Appointment- Department Wise and Doctor Wise, Modification of Appointments, Postponed Appointment, Cancellation of Appointment, Appointment Transfer, Doctor/ Dept. Wise Date Wise Appointment View, Confirmation Appointment through SMS to The Patient or Clients.

INTEGRATED PRESCRIPTION MANAGEMENT

Patient Rx Registration From Appointment, Patient Pre Checkup, Patient Chief Complain Entry, ICD integration with Prescription for Disease Scoring, Alert Abnormal Vital Signs, Previous and present Electronic Medical Record Viewing, Patient Investigation Result from integrated LAB Management, Patient Imaging View from Integrated PACS, O/E, Final Diagnosis, Patient Treatment, Patient Medication, Advices, Integration with Diagnostic Management, Integration with Hospital Admission.

ABOUT OUR CORE SOFTWARE DETAILS



INTEGRATED TELEMEDICINE WITH E-PRESCRIPTION

Interactive telemedicine using IoT: Video & Audio conferencing, Remote patient monitoring: using IoT or mobile devices that collect data about temperature, blood sugar levels, blood pressure or other vital signs. Asynchronous telemedicine: such as lab result & image and report from integrated LIMS & PACS, and e-prescription.

OPD MANAGEMENT

Counter Selection for OPD Billing, OPD Registration, OPD Utility Billing, OPD Daycare Billing, and Transfer System to IPD Management with OPD Billing, Discharge System from OPD. OPD treatment System Generation and Integration with LAB Management, Integration with Radiology Management through PACS, Financial Statement, Management Statement.

INDOOR PATIENT MANAGEMENT

Patients Admission, Patients IPD Information Desk, Bed/Cabin Scheduling, Bed/Cabin Transfer, Consultation Information, Advance Payment Receipt Generation, Oxygen/Different Service Consumption Entry, CCU/ICU/HDU/NICU Service Management, Integrated Medicine Bill, Integrated Diagnostic Bill, Integrated Lab Report, Patient Treatment Register, Patient's Electronic Medical Record, Transfer System to OT, Postoperative Care, and then to Previous Cabin/Ward, Patient Billing, Financial Reports, Management Reports, Bed/Cabin Transfer System, Bed/Cabin Booking/ Reservation, Cancellation. Patient's Discharge Holding and Uplifting System, Discharge Certificate, Death Certificate, Birth Certificate.

OT MANAGEMENT

Operation Information, Operation Schedule Entry (IPD+OPD), Operative Details, OT Completion, Doctors Charge Posting, Doctors Instrument Changes Posting, OT Consumable Posting, Operation Team Setup, Operation Theatre Information Setup, OT Billing, Management Reports.

ABOUT OUR CORE SOFTWARE DETAILS



IIINTEGRATED EMR USING PACS & LIS

Systematized Picture archiving and communication system-electronic medical record (PACS-EMR) integration on the time required to access data in the EMR and the frequency with which data are accessed by radiologists. Radiology information system (RIS) embedded in the EMR without need for further intervention on the part of the radiologist, LIS to EMR Integration: Secure and efficient transmission of patient orders, Test results come back electronically and are immediately stored in the EMR, EMR: Prescription management system, Data module input system, Care Management Tools, Incentive Program Support, Integration with Controlled Substances Databases, Appointment Reminders.

INDOOR & OUTDOOR INVESTIGATION/TEST MANAGEMENT

Test Order Invoicing with Barcode, Billing Counter/ Cash Counter, Test Order Cancellation, Consultant Information Setup, Referral Information Setup, Test Information Setup, Financial Statement, Due Management, Department Wise Income Statement, Territory Wise Sales Statement, Marketing Executive wise Sales Statement, Corporate Customer Ledger, Report Delivery Management, Online Report Delivery, Sample Collection with Barcode. Pathology Report, Radiology and Imaging Report Generation with Automation to EMR.

PACS (PICTURE ARCHIVING AND COMMUNICATION SYSTEMS)

PACS are tools used in medical imaging which allow storing, viewing and sharing DICOM images of radiology studies. For hospitals, clinics and similar institutions, having a PACS can mean a huge difference in terms of time, resources, and general workdays. This is because a PACS system can help to optimize the time physicians spend with each patient cases, it may increase quality in diagnostics and it can mean a significant drop in the costs of running a facility. In today's reality, technology has made available several solutions, of which imaging centers, physicians and researchers can take advantage of.

ABOUT OUR CORE SOFTWARE DETAILS



LIMS (LABORATORY INFORMATION MANAGEMENT SYSTEM)

With unidirectional & Bi-directional Lab Machine Interfacing: We offer an integrated Laboratory Information Management System that enable lab and diagnostic centers to manage complex business operations, facilitate stakeholder collaboration and thus improve performance.

ACCOUNTS MANAGEMENT

Source Document Entry, Sales & Accounts Receivables, Purchases and Accounts Payable, General Ledger, Assent Ledger, Liabilities Ledger, Equity Ledger, Capital Ledger, Bank Accounts Reconciliation, Journal Entry, Ledger Posting, Trial Balance, Financial Statement (Profit and Loss Statement, Balance Sheet, and Cash flow Statement).

INTEGRATED RADIOLOGY INFORMATION SYSTEM (RIS/TALERADIOLOGY)

RIS include patient scheduling, reporting, results distribution, and procedure billing.

FOOD AND BEVERAGE MANAGEMENT

Managing the daily food- and beverage-related operations in hotels, restaurants, cafeterias, catering companies, hospitals, and other similar establishments.

PACS FEATURES



STORAGE SIZE: One of the fundamental features of PACS is storage size. When determining how much is needed, it is important to take into account three factors: study volume, image modality type and duration (duration is how long you are required to keep studies on hand and this can typically vary from 7 to 21 years).

DICOM COMPATIBILITY: Almost all PACS available today are DICOM compatible, but it is worth verifying to ensure that all imaging modalities are able to effectively get images to PACS.

DICOM SEND: Our PACS have the ability to perform a DICOM send to other DICOM destinations. These destinations could be viewing workstation software, another PACS, backup locations and more. This feature “pushes” studies from PACS to the destination.

DICOM PRINT: Our PACS allow printing to digital DICOM film printers.

CD BURNING: Clients can distribute images from PACS by burning the images to CD. Along with the images an embedded DICOM viewer is usually burned onto the disc so that those viewing the images don't need to have their own image viewing software installed.

QUERY AND RETRIEVE: Our solution allows viewing software and other PACS or modalities to query PACS for specific studies and then retrieve them over the network. This is pulling the images from PACS to the destination.

(MWL)PATIENT, STUDY AND IMAGE DATA MODIFICATION: MWL allows information such as patient name, patient ID, study description and more to be edited in case of misspelling or other mistakes. This feature should be restricted to trusted users and not available to everyone with access to PACS.

WEB ACCESS: Web access is increasingly common in PACS available today. This allows administrative control and maintenance of images and PACS software from a web browser from anywhere the PACS are accessible.

OUR ADVANCED FEATURES

WEB VIEWING: Viewing images directly from PACS over the web can be a convenient way to share images with radiologists, referring physicians and others. Often the viewing of these images is encrypted, which automatically eliminates the need for purchasing other hardware or software to do the encryption.

DICOM AUTO-ROUTING: Our DICOM auto-routing can greatly improve the efficiency of facilities that will be sending a lot of images on a regular basis. When PACS receives images, it looks for DICOM information that matches predefined criteria then automatically sends those images to a specified DICOM destination. For example, all CT images are automatically sent radiologist A and all CR images are sent to radiologist B. Generally, these rules can be configured based on received time, modality type, referring physician and more.

EMR, RIS, AND RX INTEGRATION: Most RIS, EMR and other patient management systems are non-DICOM, so several methods to integrate them with PACS have been developed by E-Medical Solution Limited. Two of the most common are HL7 and WADO. While these vary greatly in what they do and how they are implemented, they serve to bridge the gap between DICOM and non-DICOM healthcare systems.

DICTATION, TRANSCRIPTION AND VOICE RECOGNITION: In many situations it is effective to create reports directly from PACS. There are two basic ways to achieve this. The first is through digital voice dictation and a built in component for manual transcription. The other is through direct voice recognition software that integrates with PACS.

STUDY LIFECYCLE MANAGEMENT: With this feature imaging studies can be marked with a lifecycle status that indicates where in the process each study is. For example, a study arrives in PACS with a status of unread, and then advances to read, dictated, transcribed and finally reported.

PACS-DICOM ENABLED MODALITIES:



CT Scan Modality



MRI Modality



X-RAY Modality



CBCT Modality



ECG Modality



ETT Modality



BMD Modality



ENDOSCOPY Modality



USG Modality

MWL (MODALITY WORK LISTS)

MWL can help to reduce errors in the transmission of patient information. MWL can help to improve the efficiency of medical imaging procedures. MWL can help to standardize the way in which patient information is exchanged between devices. MWL can help to improve the quality of patient care. Examples in the clinical setting: Selecting pre-populated patient information from the work list prevents human errors such as Typos from misspelt name or study description Fat fingering the wrong string of numbers into the keypad for patient ID or MRN

Entering middle name into incorrect fields Improves efficiency by time saved. It may take 5 minutes per patient to enter name, ID, accession manually. Selecting the MWL entry takes a few seconds. Decreases technologist fatigue. 5 minutes per patient adds up for high volume sites. 30 patients add up to a whole hour of mind numbing data entry.

TELERADIOLOGY SERVICE

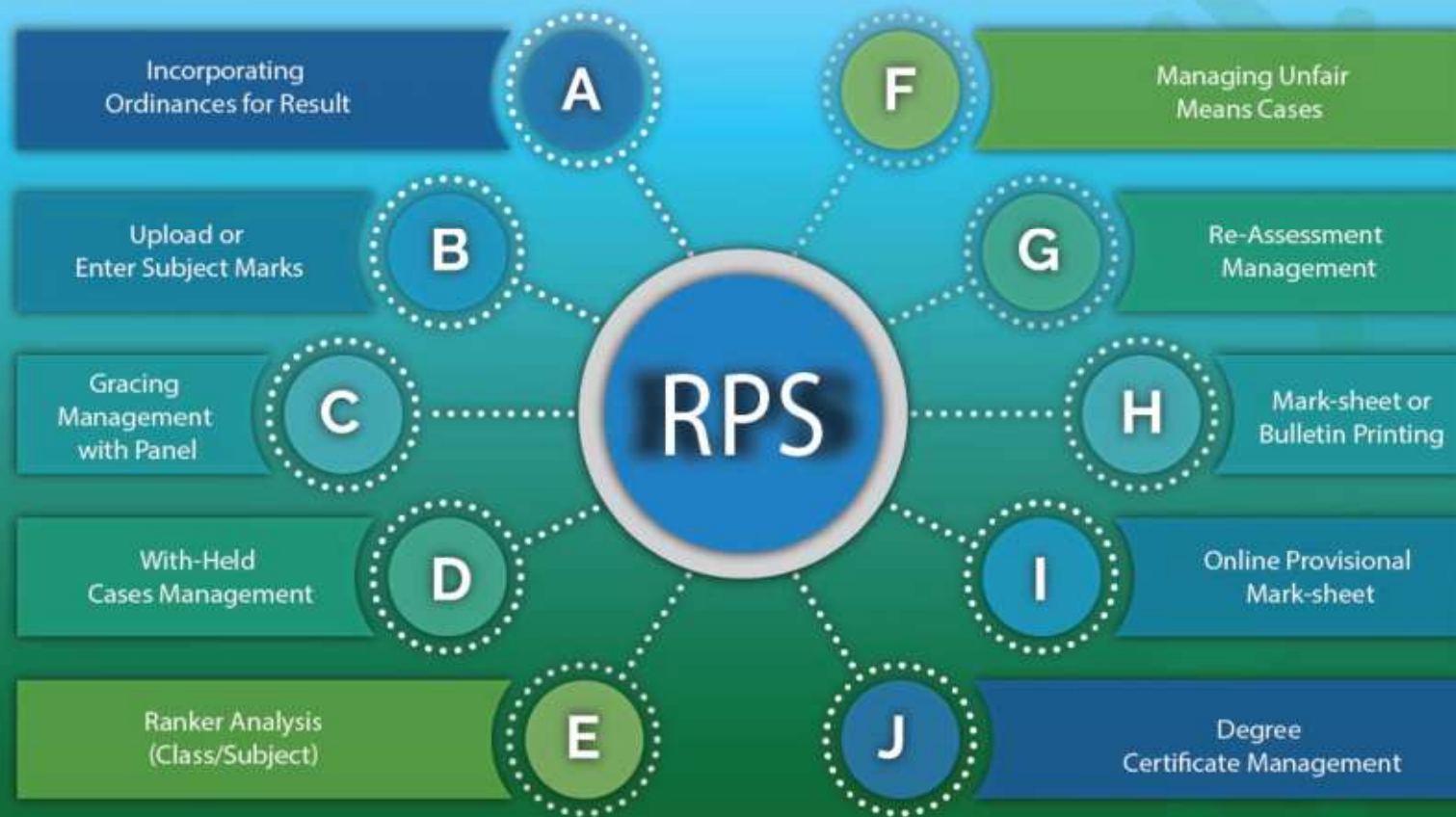


E-Medical Software Ltd. began its business operation across the country as a pioneer in teleradiology solution provider in Bangladesh. Within Five and half years we have 550+ happy clients in our business network, and more than 62 renowned radiologists from home and abroad working with us round the clock.

OUR REPORTING MODALITIES



RESULT PROCESSING SOFTWARE (RPS)



OUR VALUABLE CLIENTS



OUR VALUABLE CLIENTS



OUR VALUABLE CLIENTS



Proudly Say
Thank You!