

CODECRAFT
Technology Simplified INFOTECH



HEALTHCRAFT

**Hospital Management
System**



ABOUT HEALTHCRAFT

OBJECTIVE

- Hospital management system streamline operations, enhancing patient care, and improving overall efficiency in healthcare facilities.
- Managing patient records, scheduling appointments, billing and invoicing, inventory management, staff scheduling, and much more.
- This software ensures better coordination among different departments, reduces paperwork, minimizes errors, and ultimately enhances the overall quality of healthcare services.



Centralised Data storage & Access Facility

Centralizing data storage of patients involves consolidating all patient-related information into a single, unified system or repository. Here's an outline of the process:



Assessment of Existing Systems

Evaluate the current systems and databases used to store patient data across different departments and facilities within the healthcare organization.



Identify Data Sources

Identify all sources of patient data, including electronic health records (EHR), laboratory systems, imaging systems, pharmacy systems, billing systems, and any other relevant databases or applications.



Data Mapping and Integration

Develop a data mapping strategy to understand the structure and format of data stored in each source system. Determine how data from different sources can be integrated and consolidated into a centralized repository.

Centralised Data storage & Access Facility

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Data

Standardization

Standardize data elements, terminology, and formats to ensure consistency and interoperability across disparate systems. This may involve mapping data to industry standards such as HL7, SNOMED CT, LOINC, and ICD-10.



Data

Migration

Plan and execute the migration of patient data from existing systems to the centralized data storage solution. Use data migration tools & techniques to ensure the accuracy, completeness, & integrity of transferred data.



Data Security and Privacy

Implement robust security measures to protect patient data from unauthorized access, disclosure, or misuse. Adhere to regulatory requirements such as HIPAA (Health Insurance Portability and Accountability Act) and GDPR (General Data Protection Regulation).



Data

Governance

Establish data governance policies, processes, and roles to manage the lifecycle of patient data, including data stewardship, data quality management, data access controls, and data retention policies.

OPERATIONAL MODULES



Patient Registration

Module for registering new patients, capturing demographic information, contact details, and insurance information.



OPERATIONAL MODULES



Appointment Scheduling

Module for scheduling appointments for patients with doctors, specialists, or for diagnostic procedures.



OPERATIONAL MODULES



Electronic Health Records (EHR)

Module for storing and managing patients' medical records, including diagnoses, treatments, medications, lab results, imaging reports, and progress notes.



OPERATIONAL MODULES



Billing and Insurance

Module for managing billing and invoicing processes, including generating bills, processing payments, and handling insurance claims.



OPERATIONAL MODULES



Pharmacy Management

Module for managing pharmacy operations, including inventory management, dispensing medications, and tracking prescriptions.



OPERATIONAL MODULES



Laboratory Information System (LIS)

Module for managing laboratory tests and results, including specimen tracking, test ordering, and result reporting.



OPERATIONAL MODULES



Radiology Information System (RIS)

Module for managing radiology and imaging services, including scheduling appointments, capturing imaging studies, and reporting results.



OPERATIONAL MODULES



Inventory Management

Module for managing hospital supplies, equipment, and other inventory items, including procurement, stock tracking, and inventory control.



OPERATIONAL MODULES

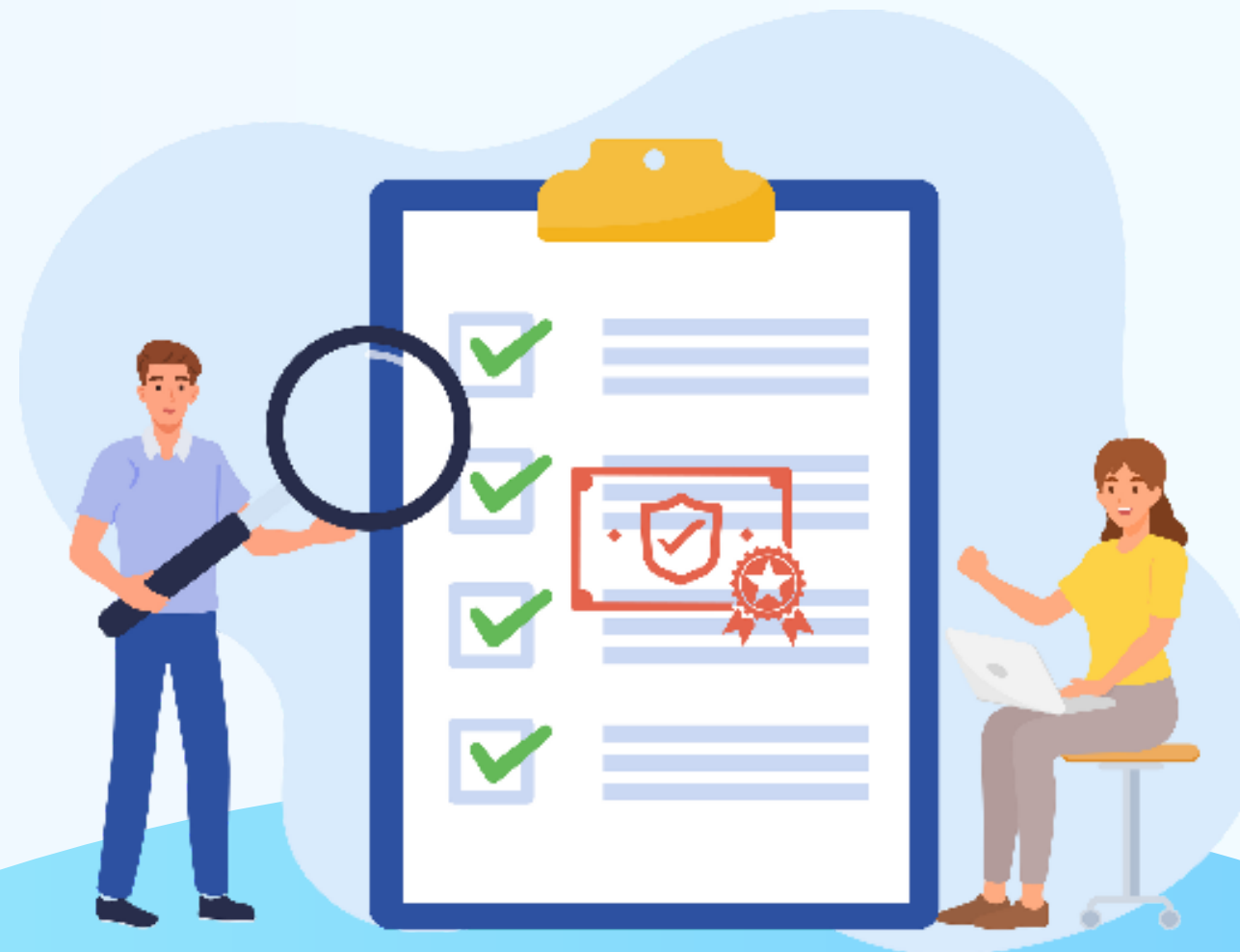


Human Resources Management

Module for managing staff information, including employee profiles, schedules, payroll, and performance evaluations.



OPERATIONAL MODULES



Quality Management

Module for tracking and managing quality metrics, compliance with regulations and standards, and quality improvement initiatives.



OPERATIONAL MODULES



Medical Records Management

Module for organizing and maintaining medical records, including record retrieval, storage, archiving, and record release.



OPERATIONAL MODULES



Patient Portal

Module for providing patients with secure access to their health information, appointment scheduling, prescription refills, and communication with healthcare providers.



OPERATIONAL MODULES



Telemedicine

Module for facilitating remote consultations, virtual visits, and telemonitoring of patients, including video conferencing, messaging, and remote health monitoring.



OPERATIONAL MODULES



Analytics and Reporting

Module for generating reports, analyzing data, and deriving insights from various aspects of hospital operations, clinical care, and patient outcomes.



OPD

Hospital management software allows for efficient management of OPD (Outpatient Department) appointments by providing features such as online appointment scheduling, automated reminders, and real-time availability of doctors.

Patients can easily book appointments through the software, reducing waiting times and improving patient satisfaction. Additionally, it helps in optimizing the use of resources and enables healthcare providers to better manage their schedules.



IPD

- Hospital management software also facilitates the management of IPD (Inpatient Department) processes.
- It help in tracking patient admissions, assigning beds, managing room availability, coordinating with different departments for patient care, and ensuring accurate billing and invoicing for inpatient services.
- By providing real-time updates and comprehensive patient records, the software enhances communication among healthcare staff and improves the overall experience for both patients and medical professionals during their hospital stay.

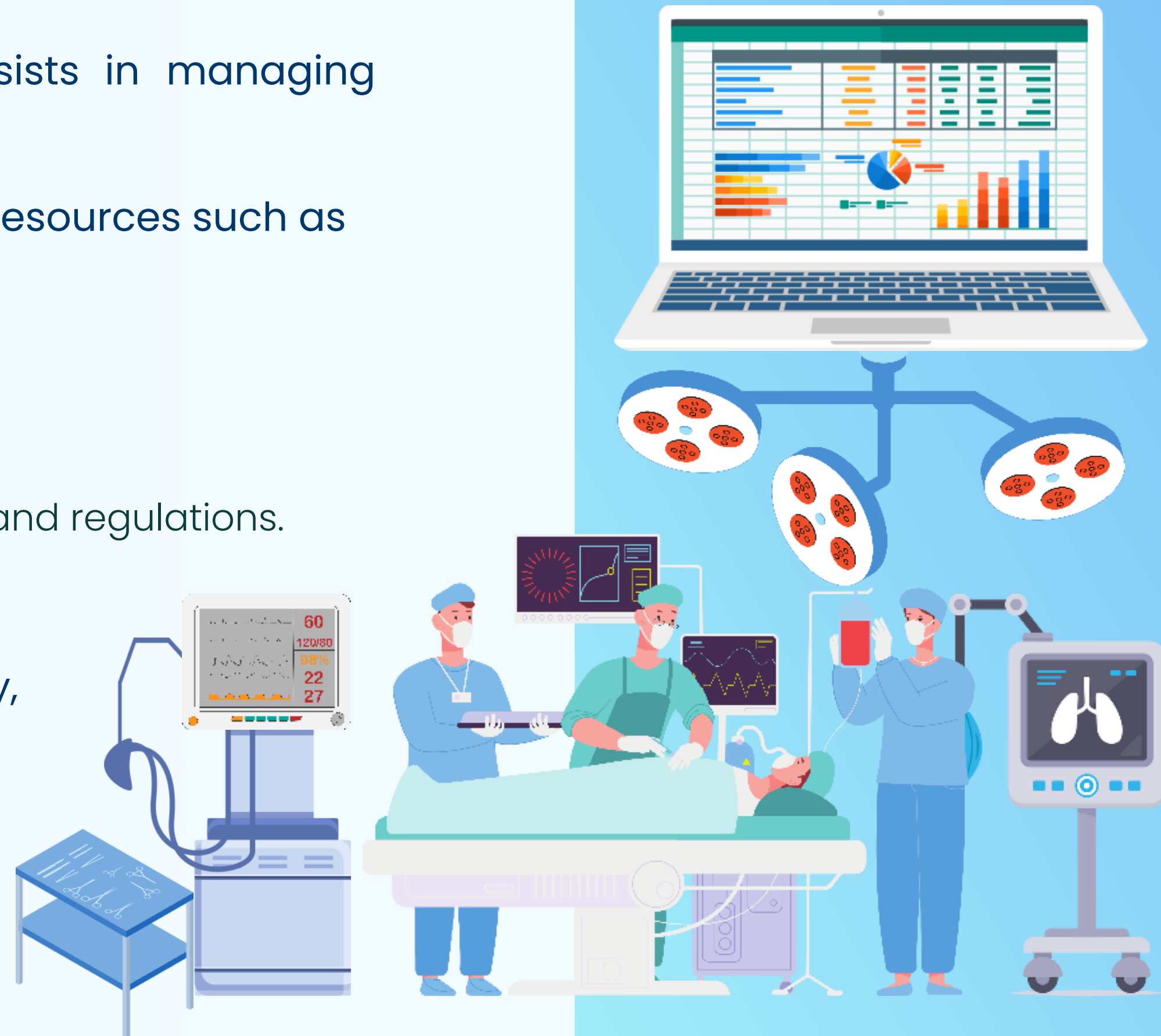


OT

- Hospital management software also assists in managing operating theatres (OT).

It helps in scheduling surgeries ,allocating resources such as

- ▶ operating rooms,
- ▶ equipment, and staff,
- ▶ maintaining records of surgical procedures,
- ▶ tracking inventory of surgical supplies,
- ▶ ensuring compliance with safety protocols and regulations.
- By streamlining OT operations, the software optimizes resource utilization, reduces scheduling conflicts, enhances patient safety, and improves overall surgical efficiency.



LIS – INTEGRATED SYSTEM

- Hospital management software includes features for managing lab tests efficiently.
- It allows healthcare providers to record and track lab test orders, schedule specimen collection, manage test results, and generate reports for both patients and healthcare professionals.
- The software also integrates with laboratory equipment for automated data capture, barcode based system – reducing manual errors and speeding up the testing process.
- By centralizing lab test management, the software improves workflow efficiency, enhances result accuracy, and ensures timely delivery of critical diagnostic



RADIOLOGY

- Hospital management software includes features for managing radiology services efficiently.
- It enables healthcare providers to schedule radiology appointments, track imaging orders, manage radiology equipment and resources, and store and access radiology images and reports digitally.
- The software also supports integration with picture archiving and communication systems (PACS) for storing and viewing medical images, ensuring quick access to patient records and facilitating collaboration among healthcare professionals.
- By streamlining radiology workflow and data management, the software enhances the quality of patient care, reduces wait times for imaging services, and improves overall operational efficiency in radiology departments.



PHARMACY INTEGRATION

Integrating pharmacy functionality into a hospital management system offers numerous benefits, streamlining medication management, enhancing patient safety, and improving overall efficiency. Here are some key aspects of pharmacy integration with a hospital management system:



Medication Management

The system allows pharmacy staff to manage medication orders, dispensing, and administration electronically, reducing errors and ensuring accurate medication delivery to patients.



Inventory Management

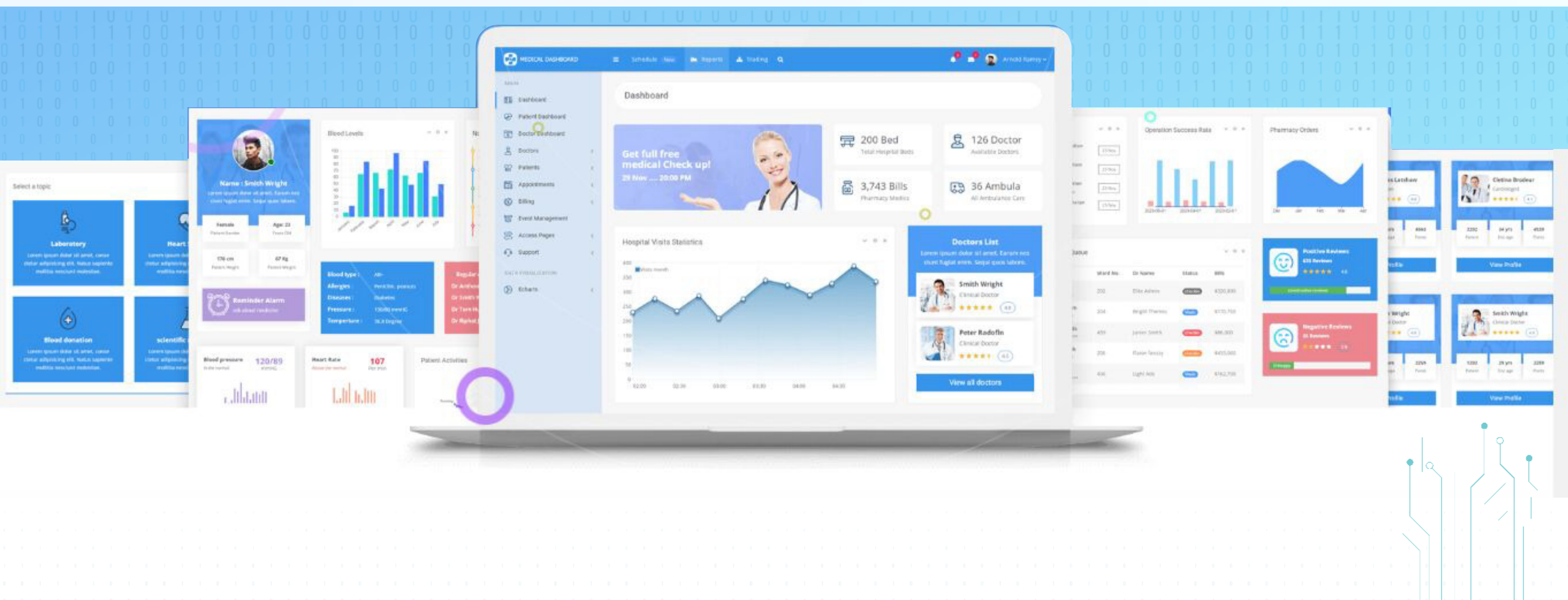
Integration enables real-time tracking of medication inventory levels, automated replenishment of stock, and proactive management of medication shortages or expiration dates.



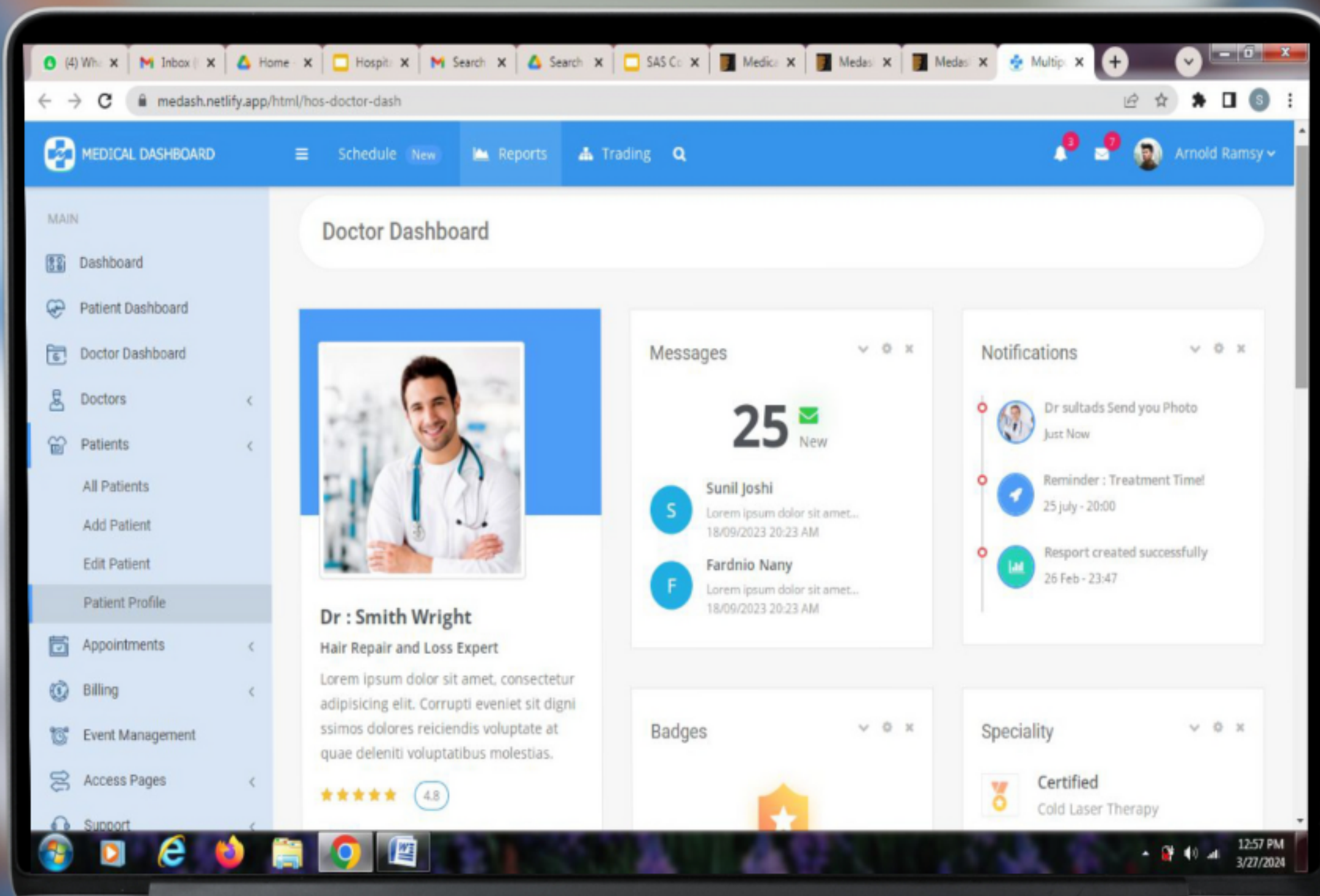
Prescription Processing

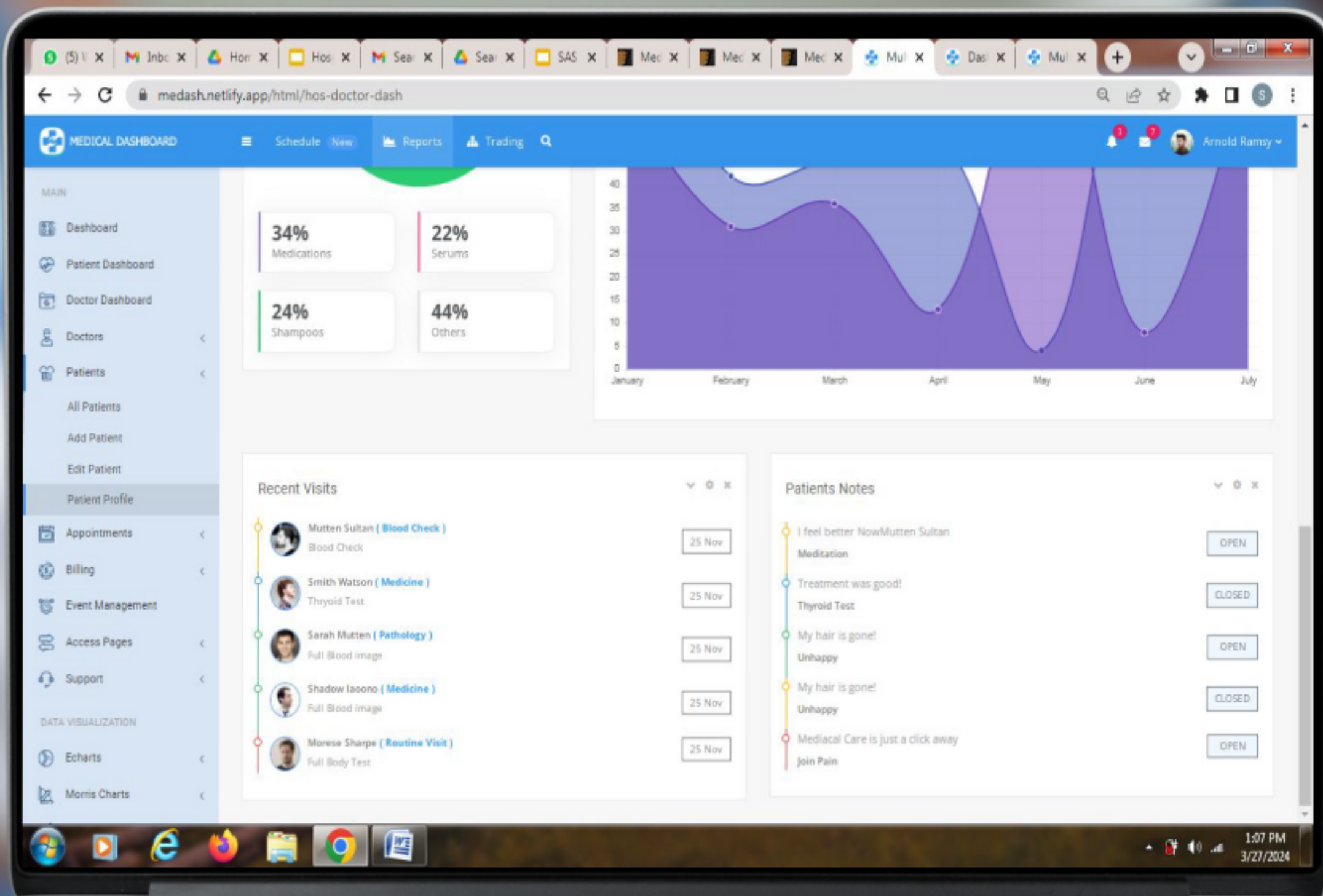
Physicians can electronically transmit prescriptions to the hospital pharmacy directly from the patient's electronic health record, eliminating the need for paper prescriptions and facilitating faster processing.

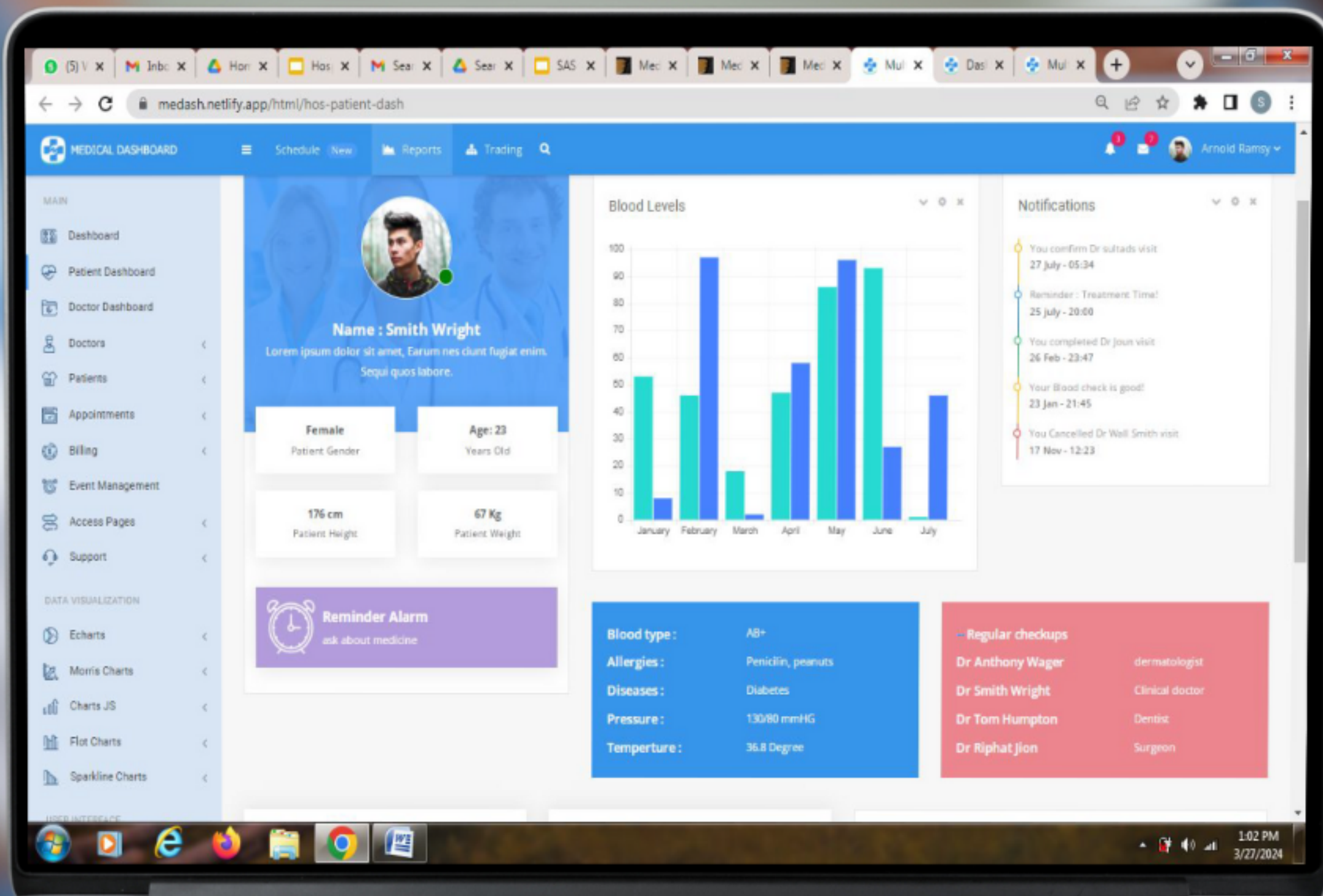
User Friendly Application with Single Click Information

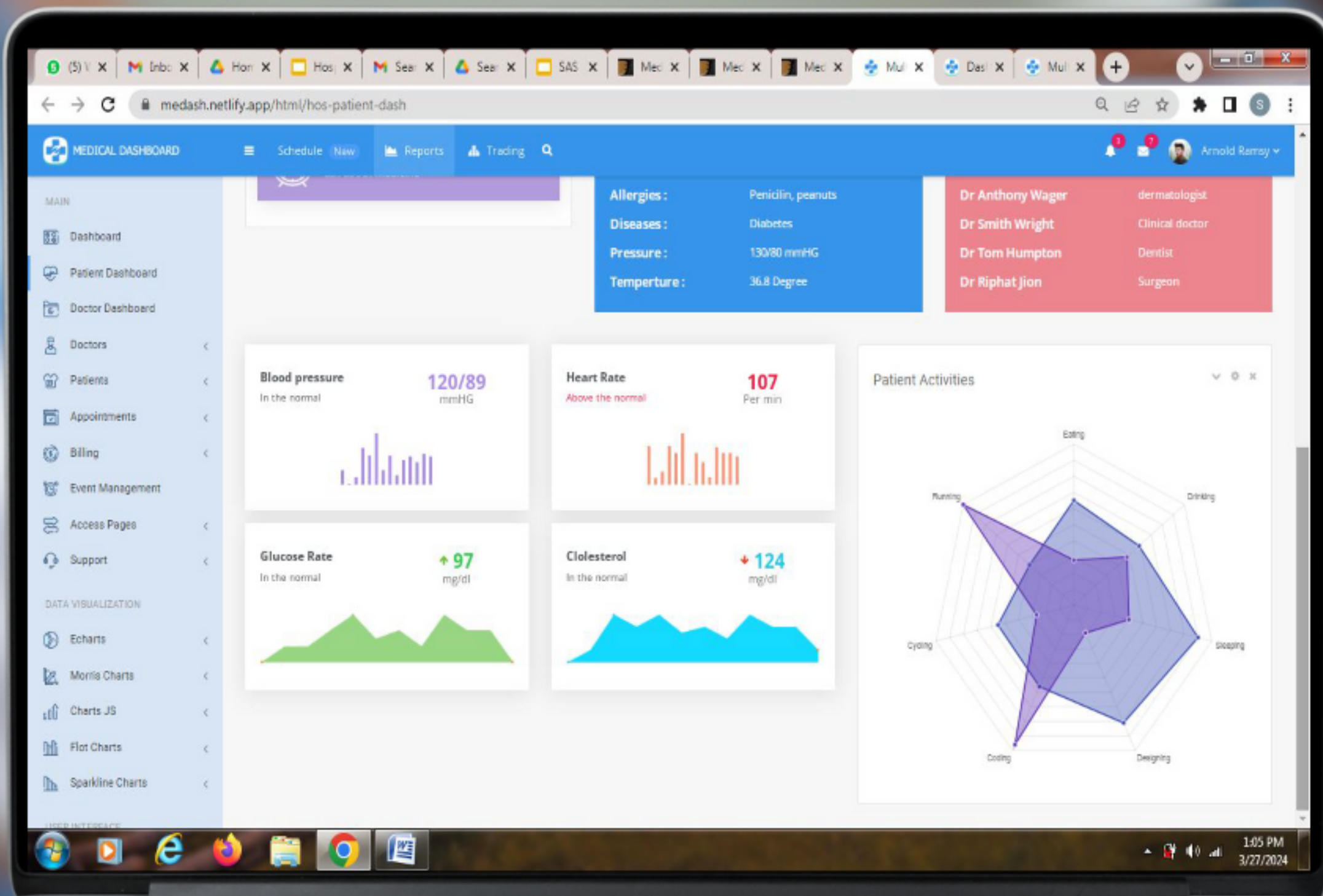












WHY CHOOSE US

Key Features that make Hospital Management Systems Valuable

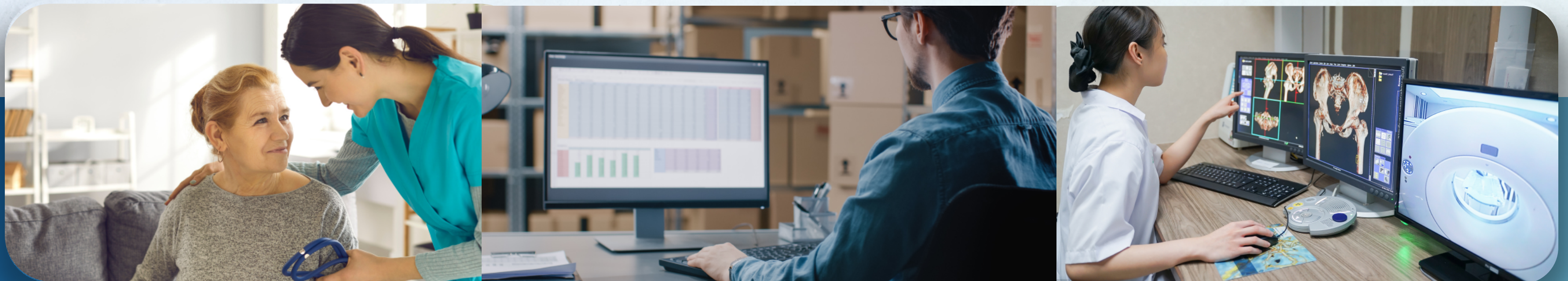
- **Electronic Health Records (EHR):** Centralized digital records of patients' medical history, diagnoses, treatments, medications, and other relevant information, accessible to authorized healthcare providers.
- **Appointment Scheduling:** Automated scheduling of patient appointments with doctors, specialists, and other healthcare professionals, with options for online booking, reminders, and rescheduling.
- **Billing and Invoicing:** Integrated billing functionality for generating and managing invoices, processing payments, submitting insurance claims, and tracking revenue.



WHY CHOOSE US

Key Features that make Hospital Management Systems Valuable

- **Clinical Decision Support:** Tools and alerts to assist healthcare providers in making informed clinical decisions, including drug interaction checks, clinical guidelines, and decision support algorithms.
- **Inventory Management:** Efficient management of hospital supplies, medications, and equipment, including procurement, stock tracking, and automated reordering.
- **Laboratory and Radiology Integration:** Seamless integration with laboratory information systems (LIS) and radiology information systems (RIS) for ordering tests, capturing results, and linking them to patients' electronic health records.



WHY CHOOSE US

Key Features that make Hospital Management Systems Valuable

- **Patient Portal:** Secure online access for patients to view their medical records, schedule appointments, request prescription refills, and communicate with healthcare providers.
- **Telemedicine Capabilities:** Support for remote consultations, virtual visits, and telemonitoring of patients, enabling access to care from anywhere with an internet connection.
- **Mobile Accessibility:** Mobile applications or responsive web interfaces that allow healthcare providers to access patient information, review test results, and perform other tasks on-the-go.
- **Interoperability:** Integration with external systems and standards to facilitate data exchange with other healthcare providers, laboratories, pharmacies, and government agencies.



CONTACT INFORMATION

