THE GEMINI®
Inspiring Innovations

The Gemini - International

HOSPITAL INFORMATION MANAGEMENT SYSTEM

Accelerating The Digital Transformation Of Hospitals !!!

The Healthcare industry faces many challenges, like an operational crisis, bureaucracy, and obsolete managerial practices. These challenges have increased healthcare services' cost and decreased the employees' efficiency, making the working environment unproductive. To effectively run a hospital, not only an expert team is needed, but there is also a demand for highly optimized and systematic management. A good Hospital Information Management System (HIMS) can be a perfect solution, that will help overcome the challenges, assist the doctors, help the staff manage the documents quickly, and perform less mundane tasks with more efficiency.

In this Document, you will learn all about The Gemini – International Hospital Management System, Its Features, Benefits, Key Trends, Modules Etc.

Let's start with a better understanding of The Gemini- Hospital Information Management system.

HIMS Overview

The Gemini - HIMS

With over 22 years of excellence in healthcare, we at The Gemini International understand that healthcare needs vary from one institution to another. They are unique, just like our fingerprints. This is why we teamed up with technologists and domain experts to develop a software that revamps the traditional processes and offers excellence in patient care and management.

Using innovative technology and dedicated services, we have developed The Gemini HIMS Suite ; one stop solution for the healthcare industry. This paperless solution promises to meet meaningful standards with optimized resources, thereby reducing errors, improving efficiency, and enabling seamless communication across the healthcare community.

Our solutions are directed at improving outcomes and nurturing healthier communities at lower costs, thereby ensuring that ours is the undefeated and most efficient Hospital Information Management System you'll ever come across!

Key Advantages of The Gemini HIMS

- Digital medical records reduce the errors and records each data in detail
- Provides easy access to patient history
- Improves efficiency of the staff
- Manages hospital facilities efficiently
- The use of technology reduces the time-consumption
- Hospital management software is cost-effective and helps in tax planning
- Hospital management system software improves market strategies & provides better financial control
- Automates Insurance claims processing
- Improves data security
- Catalyst in achieving quality ratings
- Easy tracking of inventory supplies
- Improved audit controls
- Enhanced patient care

Benefits of The Gemini HIMS

- Compliance to international health care practice, ICD 10 Integration for better diagnosis and treatment of Patients.
- EMR utility which helps doctor to retrieve patients all diagnosis records and thus help in better treatment.
- Better quality of care, procedures and service to patients with enhanced data security.
- Capable of handling large database.
- Proper training to staff will be given who are going to be assigned with specific privilege to access the software.
- Cost effective and least manpower is required with the use of this hospital information system software.
- Less number of staff will be required to cater more patients in same time or even less by using this software.
- Advanced Business analytics for the system to provide enhanced performance towards better & frequent decisions.
- Modules can be chosen as per the requirement of Hospital.
- Saves unlimited number of Images as required.
- MIS Reports for the administration to keep watch of all departments data flow and their inputs. It can be searched on daily, weekly, monthly or yearly basis.
- Centralized, Interactive and User-Friendly, even non computer experts can easily work on it.
- Runs on PC, Laptops, Tablets & Mobiles.
- Excellent and effective software for hospitals helping in providing good connectivity among departments with complete security and privacy features.

Goals Of Proposed System

Planned Approach Towards Working: The working in the organization will be well planned and organized. The data will be stored properly in data stores, which will help in retrieval of information as well as its storage.

Accuracy: The level of accuracy in the proposed system will be higher. All operation would be done correctly and it ensures that whatever information is coming from the center is accurate.

Reliability: The reliability of the proposed system will be high due to the above stated reasons. The reason for the increased reliability of the system is that now there would be proper storage of information.

No Redundancy: In the proposed system utmost care would be that non information is repeated anywhere, in storage or otherwise. This would assure economic use of storage space and consistency in the data stored.

Immediate Retrieval Of Information: The main objective of proposed system is to provide for a quick and efficient retrieval of information. Any type of information would be available whenever the user requires.

Easy to Operate: The system should be easy to operate and should be such that it can be developed within a short period of time and fit in the limited budget of the use.

Benefits Of HIMS As Per Specific Users

Doctors

- Get Instant alerts
- Offer support from anywhere at anytime
- Quick and easy access to information
- Manage patients better
- Manage compliance
- Better communication and collaboration
- Paperless report generation

Patients

- Superior medical care
- Instant alerts and messages
- Easy appointments & scheduling
- Better healthcare
- Better co-ordination with doctors & other staffs
- Online access facilities
- Better transparency
- Good satisfaction

Staff

- Better record maintenance
- Better co-ordination with doctors & patients
- Simplified workflow
- Paperless management
- Effective information management
- Effective data Processing
- Task management

Benefits Of HIMS As Per Specific Users

Administrators

- Effective administration
- Better management of pharmacy, lab, inpatient, outpatient,
- Effective resource management
- Efficient operations
- Streamlined performance
- Accountability
- Integrated system
- Better data management

Owners

- Total control on operational costs
- Better financial management
- Better reputation
- Ensure transparency
- Paperless operations
- Better data management
- Better outcomes
- Easy to strategize
- Better decision making

AI Integration

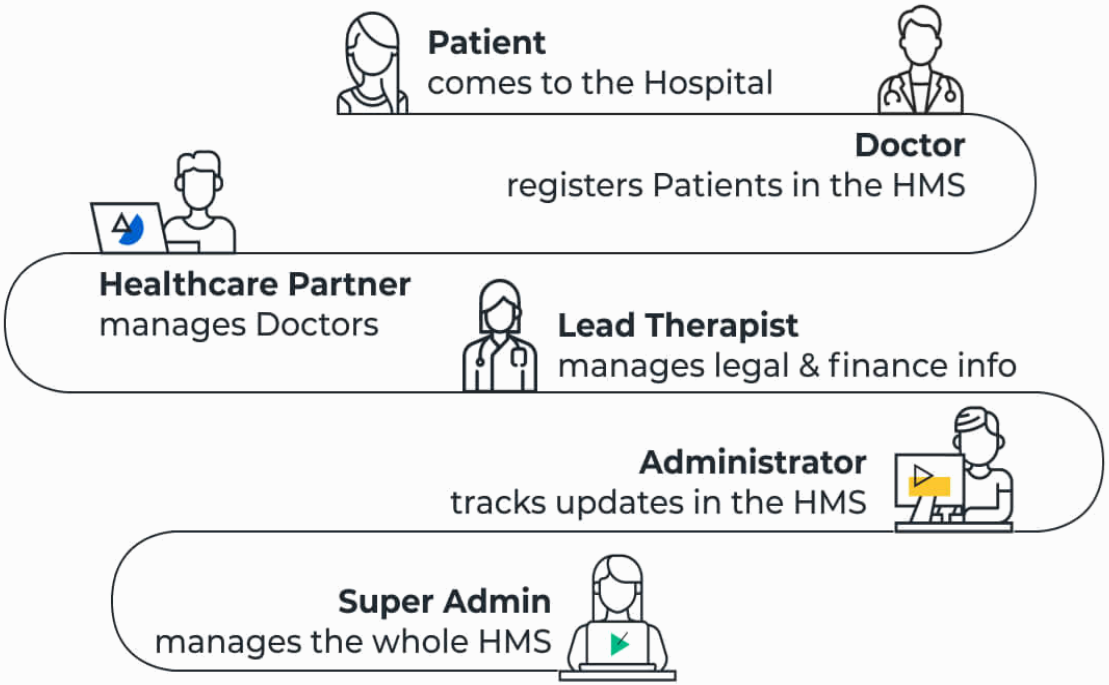
Embrace the power of AI with our AI-powered HIMS. From clinical decision making to gaining unprecedented insights into diagnostics, care processes, treatment variability, and patient outcomes; AI is poised to be the health engine that drives improvement across the care continuum.

- Managing medical data
- Digital nursing assistants
- Drug discovery and development
- Precision medicine
- Medical imaging & image analysis
- Health monitoring
- Automating repetitive tasks
- Prior authorization
- Provider productivity

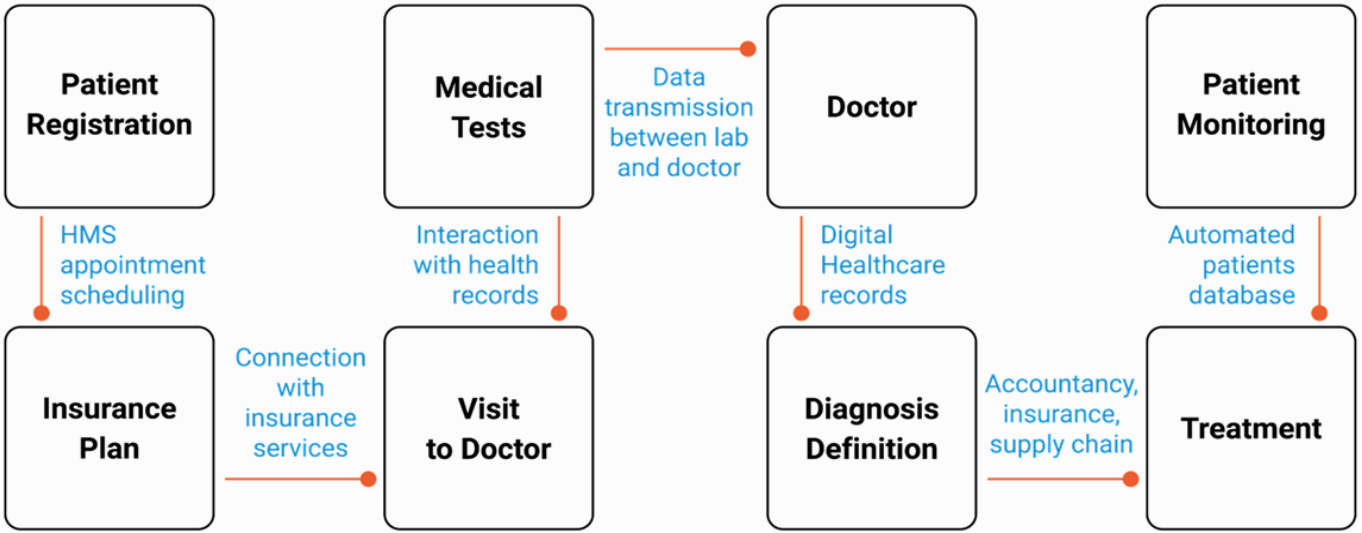
Some Key Features Of AI

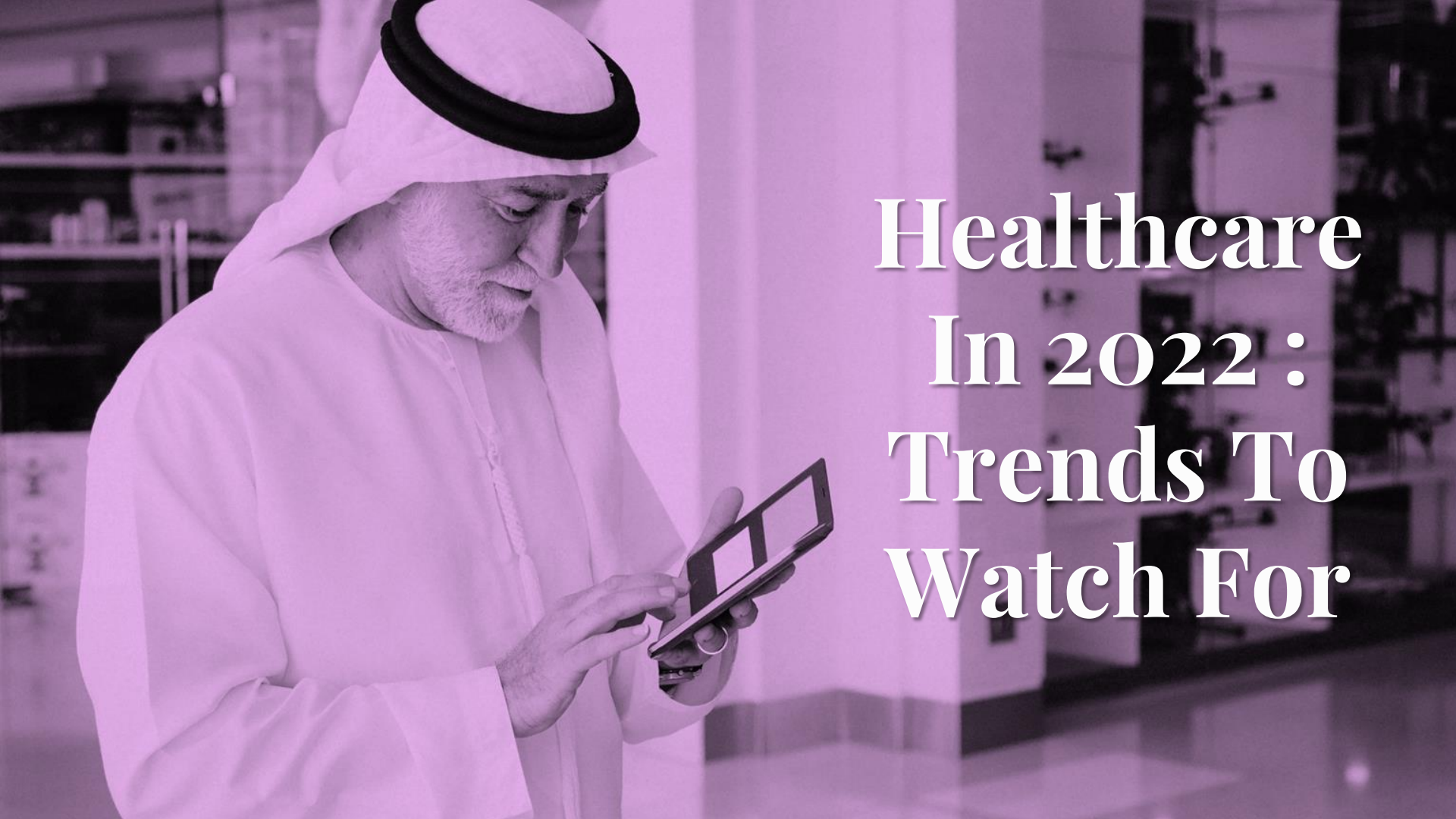
- Service acceleration: Suggest the best next step to ensure that the consumer's needs are met.
- Call deflection: Minimize the volume of inbound call volumes and lower the expenses by anticipating the customers intent and diverting customers to other online engagements.
- Churn reduction: Using Machine Learning and Natural Language Processing techniques to predict the behavior of leads that may be close to invalidating their service based on their history, searches, sentiments, etc., and take appropriate action to avoid such service cancellations
- Automate tedious tasks: Eradicate the monotonous task of calling users by implementing an automated system that sends notification via SMS or email and uses AI-based chatbots that make things simpler.
- Self-care / Clinical advice / Scheduling an appointment / Nurse Line / ER Direction

How Do Hospital Management Systems Work?



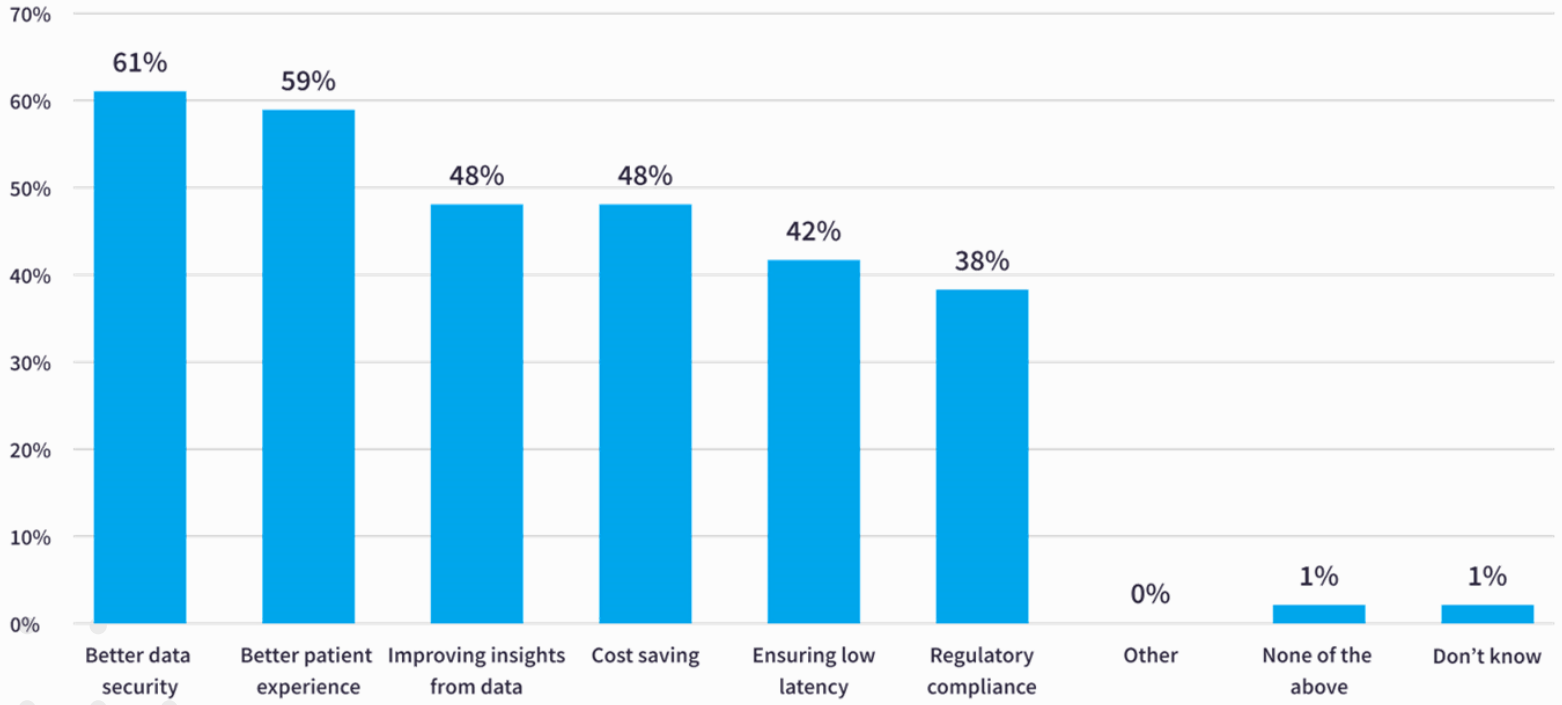
HMS WORKFLOW EXAMPLE





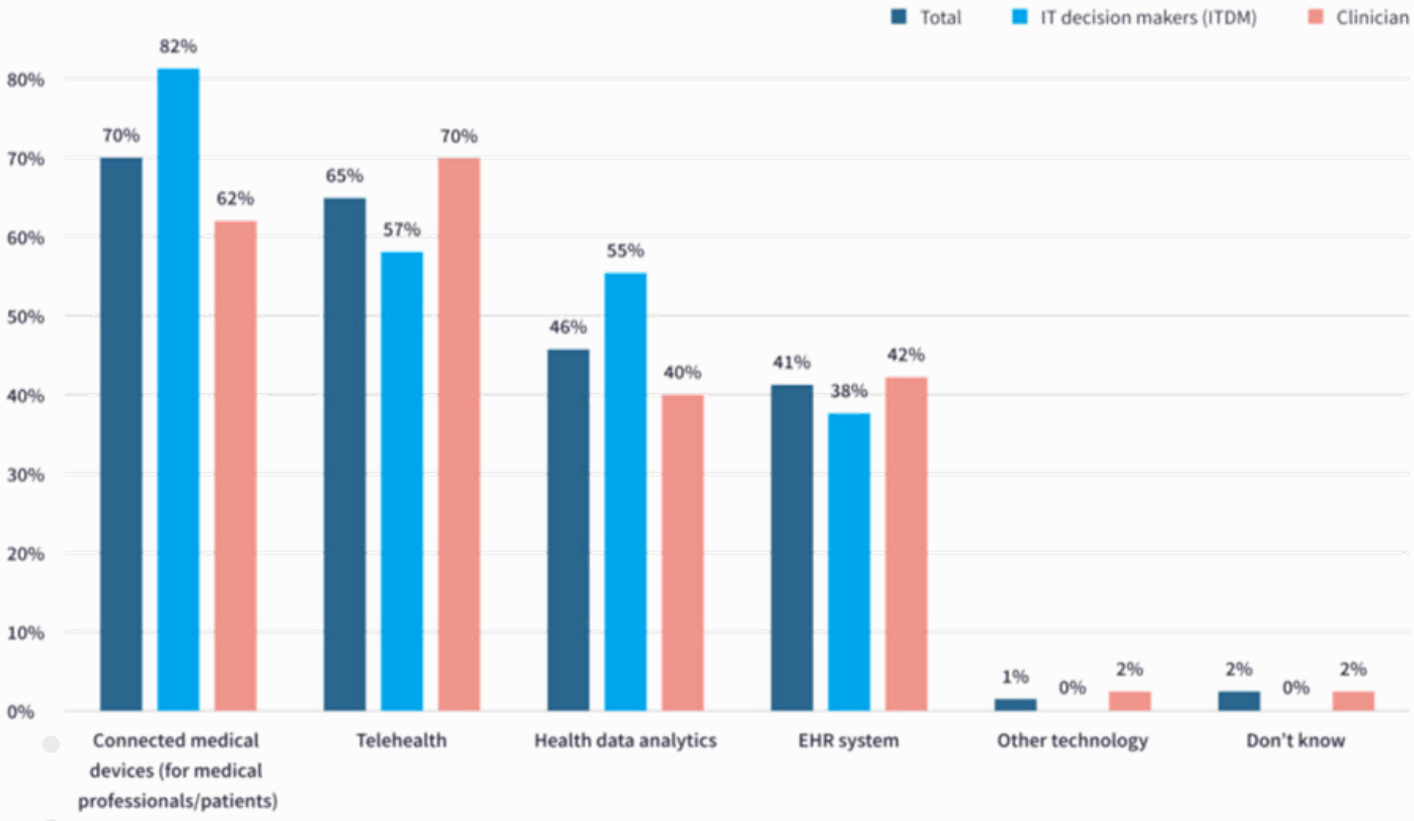
Healthcare In 2022 : Trends To Watch For

How does inovation support healthcare organizations



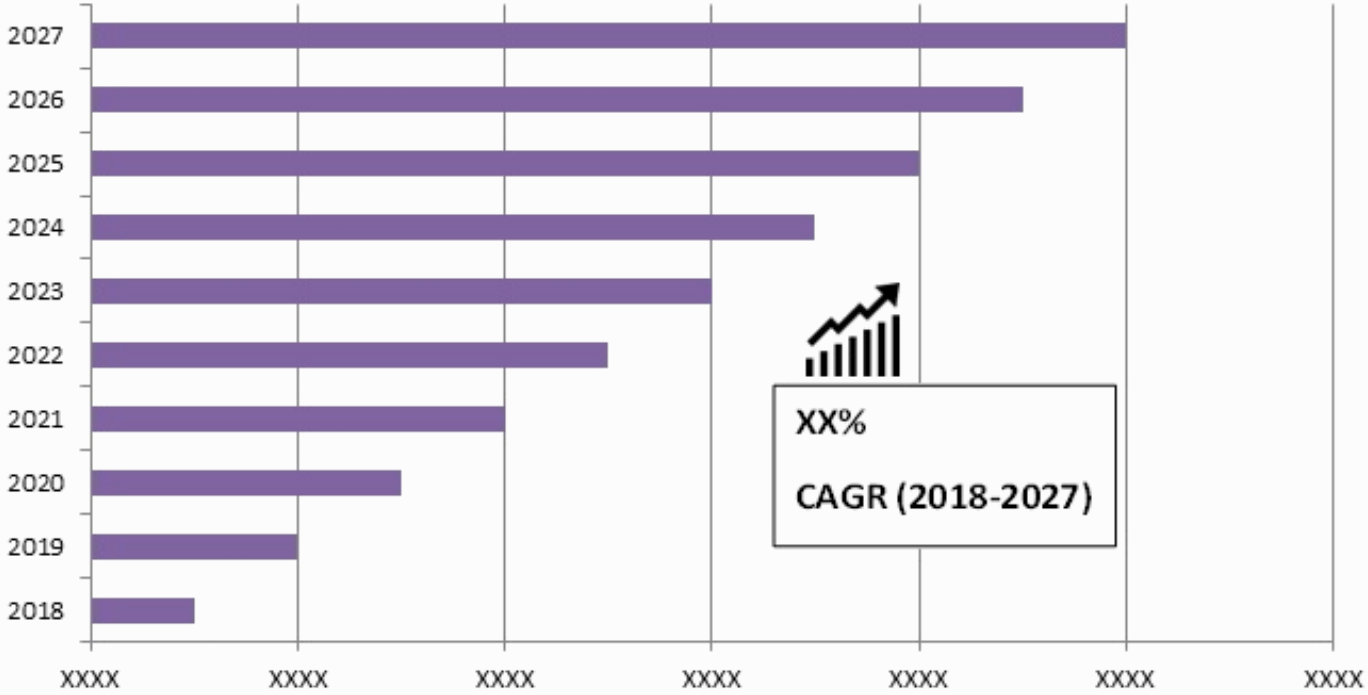
Source: HPE Survey

Technologies with the biggest impact in the next five years



Source: HPE Survey

Hospital Information System Market Size In the Forecast Period (2018-2027)

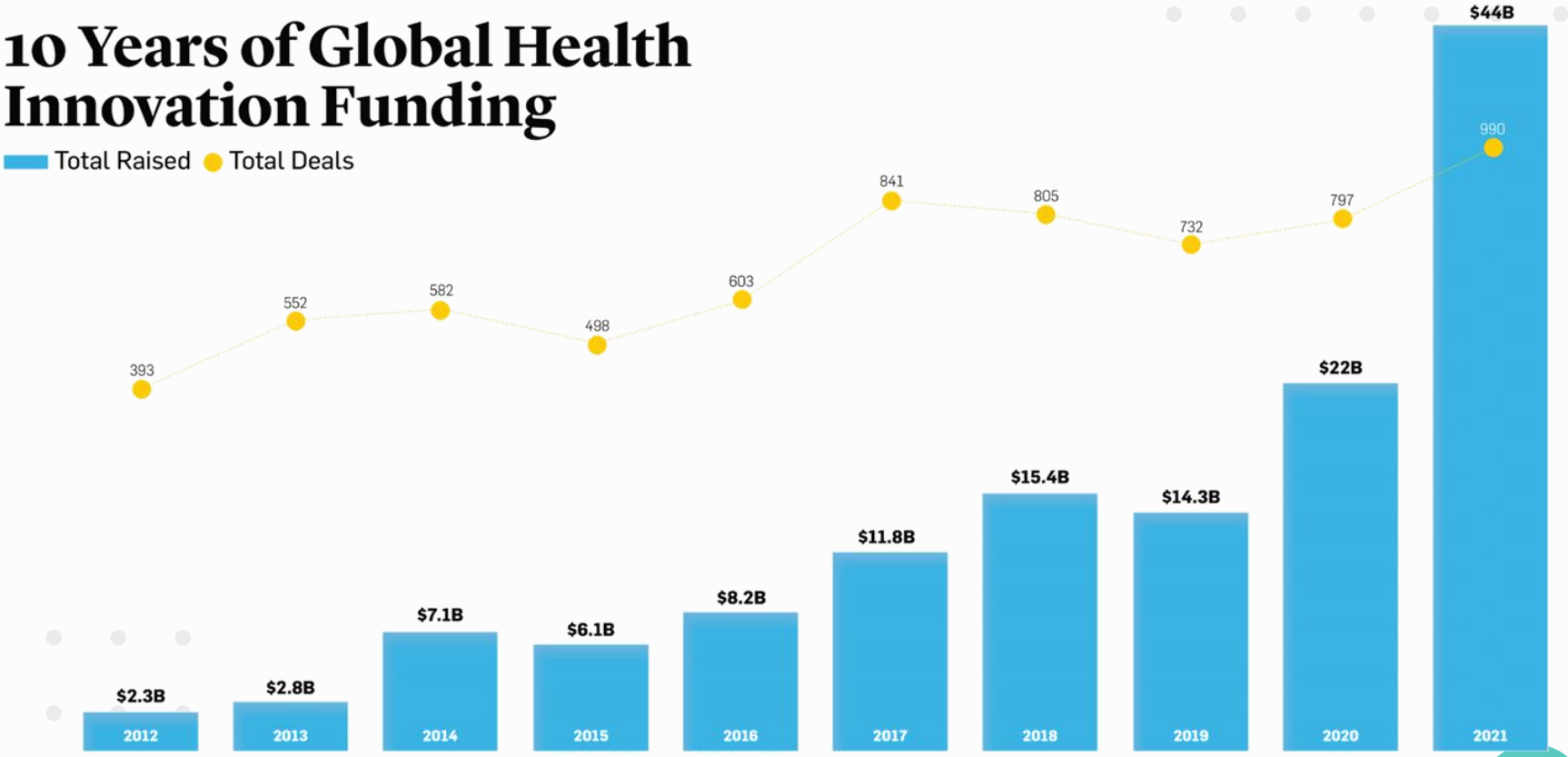


Source: Research Nester

PRECEDENCE RESEARCH

HEALTHCARE INFORMATION SYSTEMS MARKET SIZE, 2020 TO 2030 (USD BILLION)

10 Years of Global Health Innovation Funding



Source: StartUp Health Insights | startuphealth.com/insights. Note: Report based on publicly available data through 12/31/21 on seed (incl. accelerator), venture, corporate venture, and private equity funding only. Companies tracked in StartUp Health Insights may fall under multiple moonshots and therefore will be represented

Physicians recognize the importance of having the information at the right time

86%

think better data interpoperability would significantly cut time to diagosis

95%

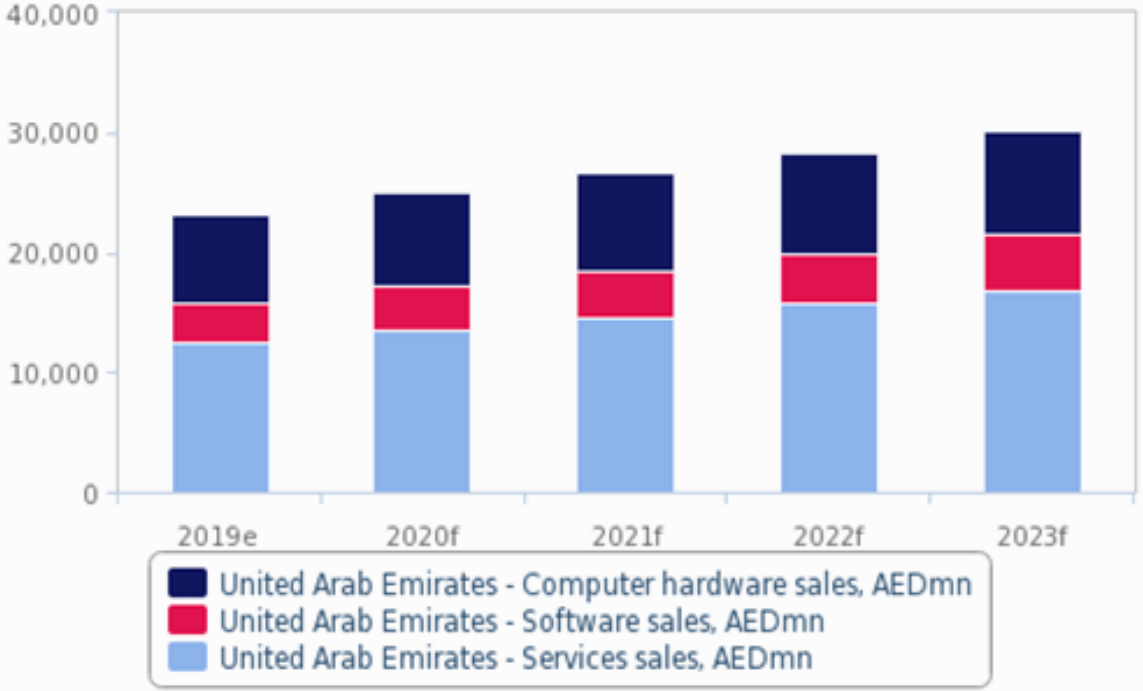
say increased data interoperability will improve patient outcomes

95%

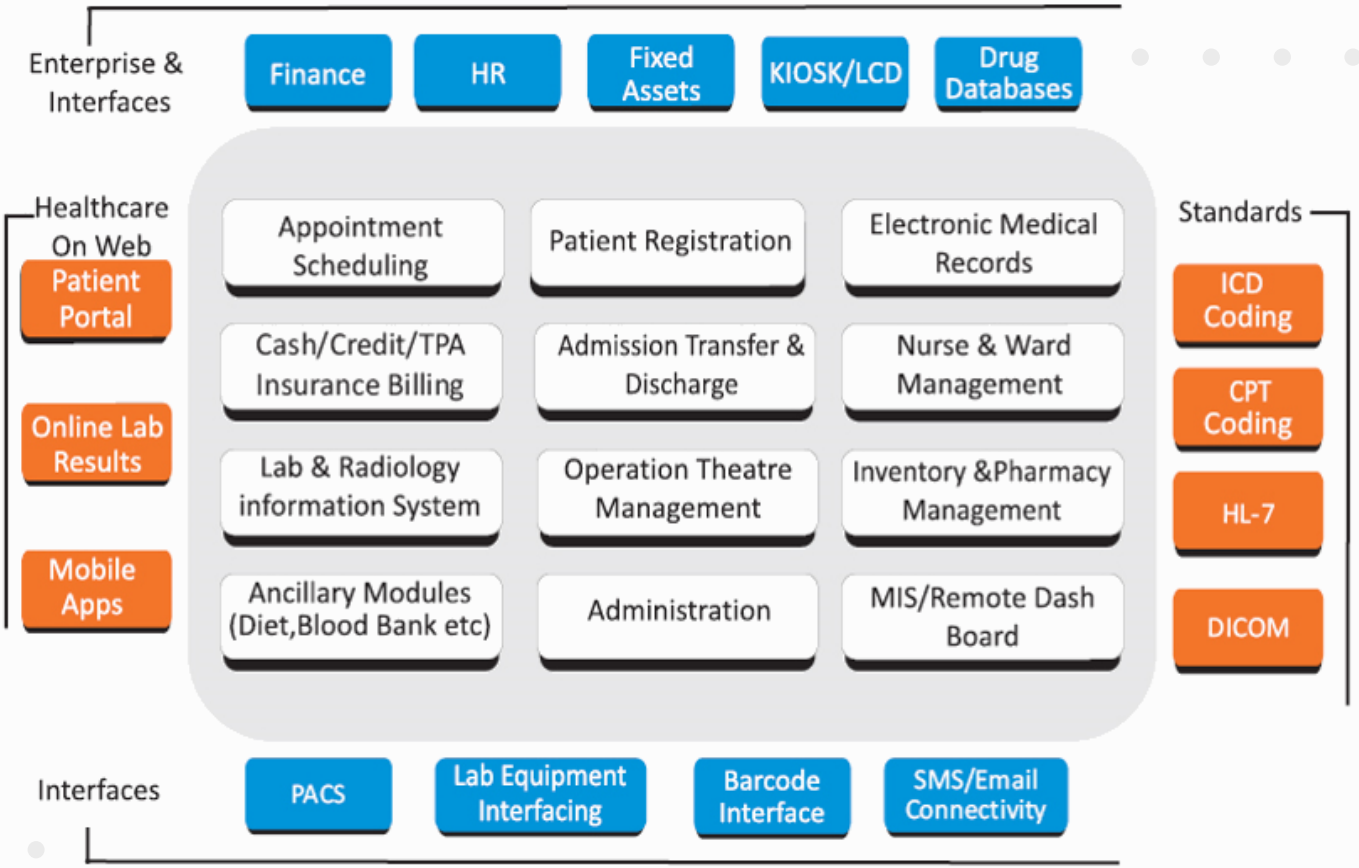
agree that easier access to critical data can save lives

The Largest Opportunities Will Be In Software And Services

IT Market Forecast (2019-2023)



HIMS Modules


Enterprise & Interfaces
Finance
HR
Fixed Assets
KIOSK/LCD
Drug Databases
Healthcare On Web
Patient Portal
Online Lab Results
Mobile Apps
Appointment Scheduling
Patient Registration
Electronic Medical Records
Cash/Credit/TPA Insurance Billing
Admission Transfer & Discharge
Nurse & Ward Management
Lab & Radiology information System
Operation Theatre Management
Inventory &Pharmacy Management
Ancillary Modules (Diet,Blood Bank etc)
Administration
MIS/Remote Dash Board
Standards
ICD Coding
CPT Coding
HL-7
DICOM
Interfaces
PACS
Lab Equipment Interfacing
Barcode Interface
SMS/Email Connectivity

01.

Admin

- Provision to Create / manage users.
- Provision to allocate role to the respective user.
- Create and manage ICD codes for diagnosis.
- Provision to create / manage roles and assigning privileges and permission of information to the corresponding role.

02.

Help Desk

- Advanced multi-criteria search for registered patients
- Appointment Scheduling (Patient/Doctor wise)
- Doctor's Schedule Summary
- Duty roster and approval check on CMO level
- Creating Directory for only enquiries

03.

OPD

- Dashboard for advances/payments/refunds/ Clearance etc.
- UHID creation/activation.
- Individual & consolidated bills
- Multiple payment options Reports on OPD/patient count/service billing/revenue.
- Outpatient Medical Observation Details
- Appointment Scheduling / Rescheduling Facility
- Diagnosis and Treatment History
- Vaccine Charts

04.

IPD

- Patient Admission
- Bed Status View
- Patient Room Shifting
- Discharge Summary
- Pre and Post operative diagnosis
- Test and Investigation Reporting
- Operation Theatre Scheduling
- Diagnosis and Treatment History
- IP Medical Observation

05.

OT

- Accurate scheduling of the operations with flexibility in managing bookings.
- Pre operative & Post Operative checklist.
- Anesthesia record.
- Operation and Postoperative notes, Instructions and records.
- Multilingual consent forms
- Booking OT and Billing Operations option separately.

06.

EMR

- Treatment history available in a single window
- Quick access to patients' personal, family and social history
- Attach previous investigation results
- Send investigation orders to laboratory, radiology & other departments
- Send prescription orders to Pharmacy in one click
- Options for doctors and nurses to upload their custom notes
- Charts like HGT, intake & output, vital chart
- ICD codification on diagnosis
- CPT codification on procedures

07.

Laboratory

- Provision to add lab test group and subgroups
- Provision to add reference range for each test, category wise.
- Provision to add sample types and lab units being used.
- Create Profiles and packages for Particular tests.
- Instant Test Allocation
- Provision to add collected sample detail.
- Easy creation of lab reports.

08.

Radiology

- Masters for Rights for reporting, Test, results and their formats.
- Customizable result templates
- Easy retrieval of patient data at any phase of a radiology request
- Service and test setup
- Requisition generation from lab order/bill
- Requisition creation based on facility, test, and modality
- Report entry using templates

09.

Pharmacy

- Suppliers / Vendors registration
- Manufacturers entry provision.
- Provision to add medicine category
- Purchase management / Stock management
- Internal department issuance of drugs
- Vendor payment and voucher generation
- Alerts facility on minimum or zero stock reached & medicine expiry.
- Drug expiry control
- Provision to accept return of medicines by patients.
- Provision to return medicine to vendor.

10.

Blood Bank

- Physical examination
- Donation cancellation
- Bag number and donor number generation
- Cell/serum grouping and validation
- Serology test entry and validation
- Component separation and requisition
- Cross match
- Blood and blood product quantity
- Discard blood and blood product
- Blood and blood product issue

11.

Diet Manage.

- Allows the user to create the food items groups and food items available in the hospital kitchen
- Facilitates capturing of recipes that are made up of food items or other recipes and their proportionate quantities. The steps for preparation can also be mentioned
- Creation of a meal plan for the kitchen by the dietician in the system for breakfast, lunch and dinner for any given period of time as per the requirements of patients.

12.

Insurance

- Insurance Company registration.
- Provision to add Insurance company Type.
- Provision to add insurance type and plans.
- Insurance Claimed status viewer
- Provision to claim insurance fast & send it to the company for authorization.

13.

Hr & Payroll

- Provision to manage and view Departments and Staff Designations
- Provision to add Staff Type and Specializations.
- Easy and instant search utility to search staff members.
- Creation of Salary structure, pay calculation, printing of salary slips, salary certificates, PF statements and so on.
- Other activities like appointing staff, maintaining their database including their bio-data, fixing allowances and deductions, appraisal letters, Loan and advances, termination process etc.

14.

Store

- Provision to raise purchase request for any item.
- Assigned authority approves or declines the purchase
- Purchase order generation and processing.
- Allocation of purchased items to the requested departments.
- Provision to transfer stock from one department to another.
- Vendor management and payments.
- Stock requisition from departments.
- Stock expiry.
- Stock management.
- Reorder level setting.

15.

Accounts

- Voucher Entry.
- Ledger Entry.
- IPD Expenses Entry.
- Doctor vouchers entry and Advance/incentive payments.
- GP cut payments of PRO/ Vendor payments.
- Reports like Ledger view/Balance sheet/Trial Balance/P&L/petty cash/ doctors/payments/referral sharing.

16.

Ambulance

- Vehicle Booking.
- Vehicle Maintenance.
- Fuel Report.
- GPS Tracking.

17.

CSSD

- Instrument Collection.
- Sterilization Process.
- Instrument Submit Report.

18.

Biomedical Waste

- Masters' creation – Floor division/ Treatment type / Waste type/Container type
- BMW Collection/ Disposal
- MIS on Collection/Disposal

19.

License Manage.

- Masters on document types/ Branch & Compliance / Insurance
- Upload of license/ insurance important documents
- Providing rights to authorized rights
- Managing compliance master and Insurance payments
- Reports on Insurance payments, document upload, maturity dates and due premium with paid and unpaid data.

20.

Linen & Laundry

- Keeps the complete records of linen in the store.
- Fresh linen issue towards/OT.
- Dirty linen received from wards / OT.
- Damaged / missing linens.
- Dirty linens issue to the Laundry.
- Clean linen received from Laundry.

21.

Message Centre

- Feature of creating message alert system for Doctors, Employees, vendors and Patient's/ or family.
- Bulk SMS system for marketing campaigns.
- Setting Reminders/ Wishes and due payments on Message option.

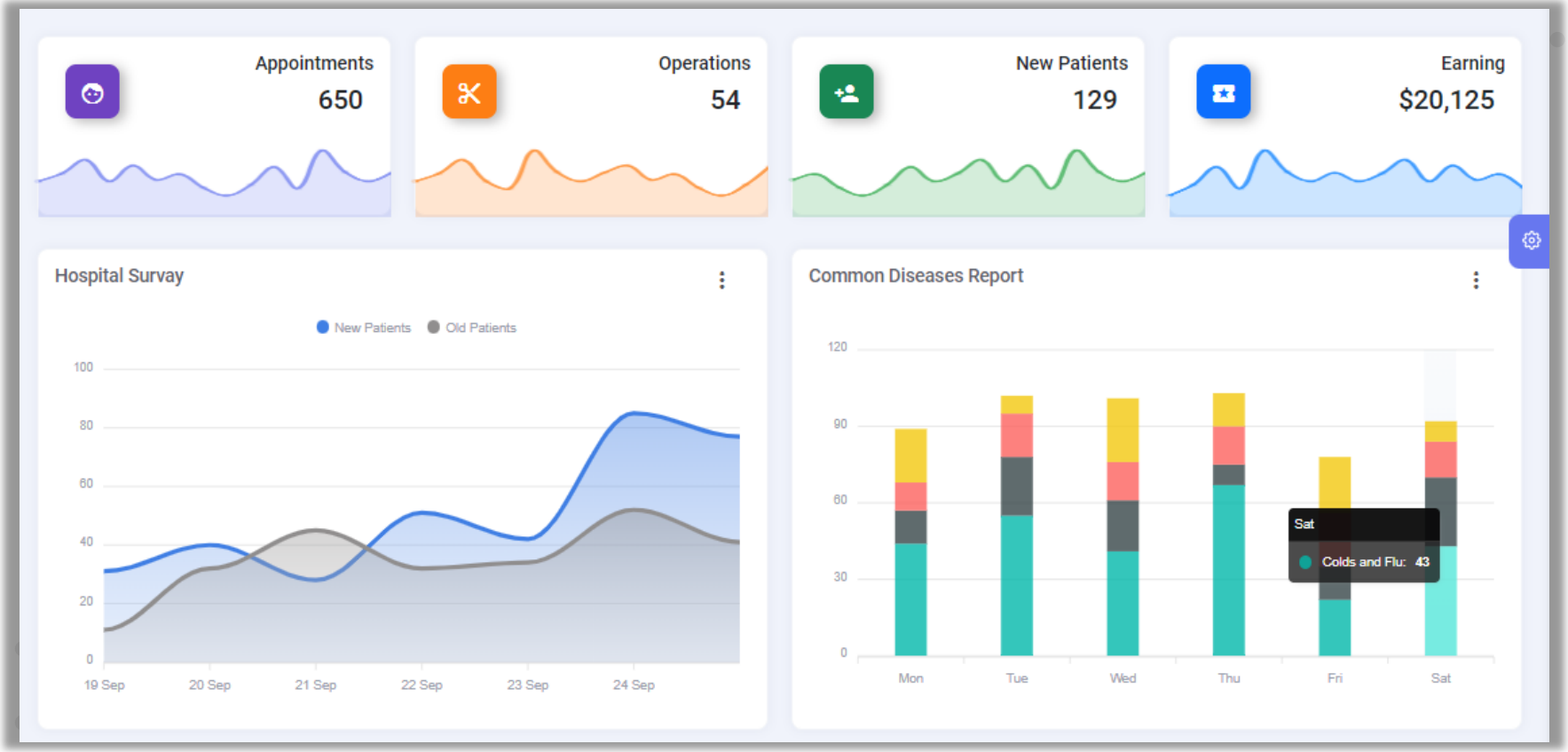
22.

MIS

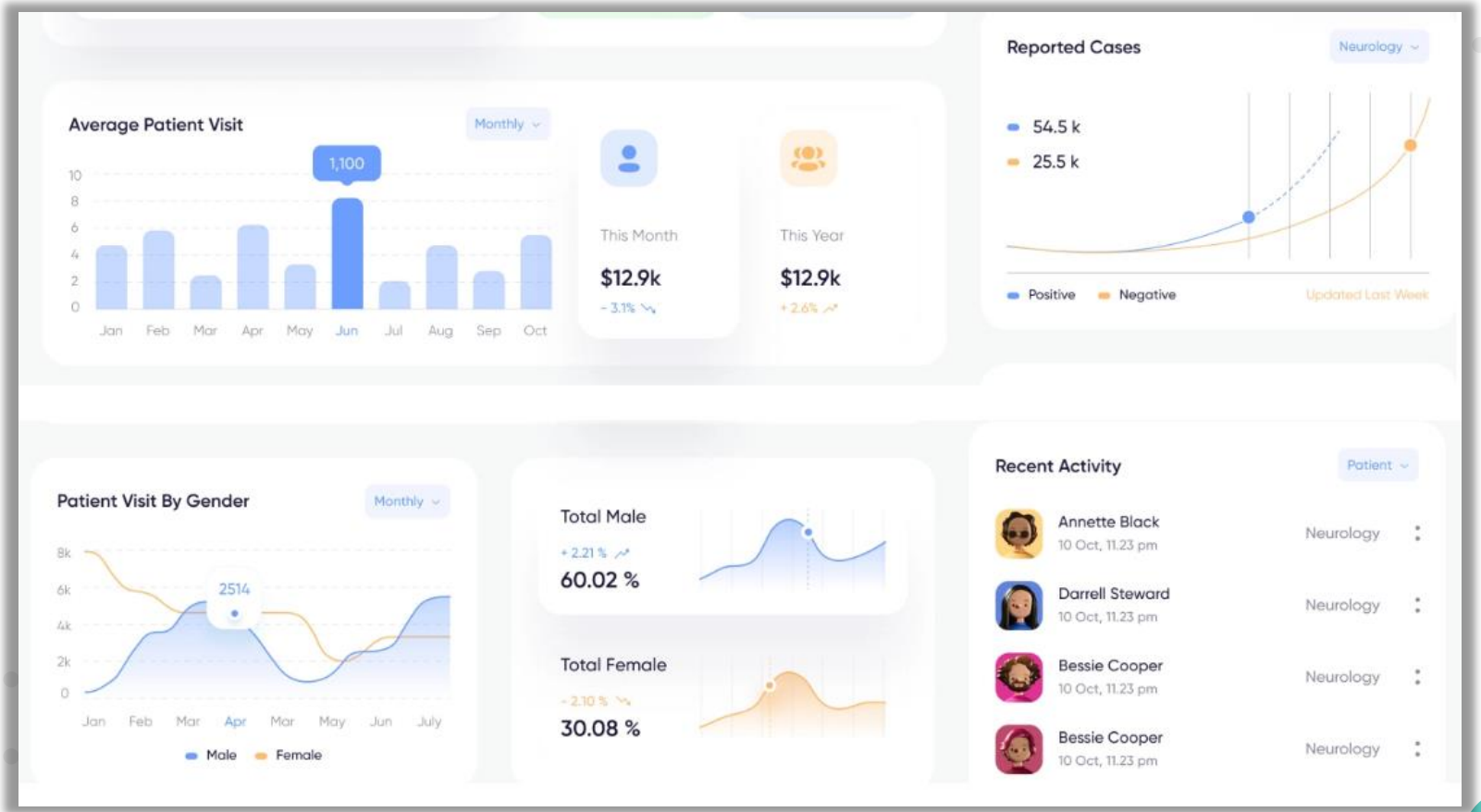
- Top management dashboards / Clinical dashboards.
- Facility for exporting the data into various formats like Excel and PDF.
- Department-wise revenue details / Doctor-wise revenue details.
- Daily, monthly and yearly statements
- Revenue/Incentives per doctor
- Patient waiting time analysis Report
- Bed occupancy details
- Easily customizable reports as per the management's needs

HIMS SCREENS

Admin Dashboard



Admin Dashboard



Admin Dashboard

Booked Appointment

#	Patient Name	Assigned Doctor	Date	Diseases	Actions
	John Doe	Dr.Jacob Ryan	12/05/2016	Fever	
	Sarah Smith	Dr.Rajesh	12/05/2016	Cholera	
	Airi Satou	Dr.Jay Soni	12/05/2016	Jaundice	
	Angelica Ramos	Dr.John Deo	12/05/2016	Typhod	
	Ashton Cox	Dr.Megha Trivedi	12/05/2016	Maleria	
	Cara Stevens	Dr.Sarah Smith	12/05/2016	Infection	

Doctors List

#	Doctor Name	Status
	Dr.Jay Soni (MBBS,MD)	Available
	Dr.Sarah Smith (BDS,MDS)	Absend
	Dr.Megha Trivedi (BHMS)	Available
	Dr.John Deo (MBBS,MS)	Available
	Dr.Jacob Ryan (MBBS,MD)	Absend
	Dr.Jay Soni (MBBS)	Available

Operations

#	Parient Name	Doctors Team	Date Of Operation	Report	Diseases	Actions
	John Deo	+4	12-08-2019		Cancer	
	Jens Brincker	+3	14-08-2019		Fracture	

Admin Dashboard

Recent Report

$1,17,289

Total Income

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Aenean commodo ligula eget dolor.

$1,17,289

Total Expense

Cras dapibus. Vivamus elementum semper nisi. Aenean vulputate eleifend tellus.

Country Wise Patients

USA	40%
Germany	49%
France	65%
India	28%
Other	16%

Itely	$30,289
USA	$25,968
India	$45,278

Patients Group

Cholesterol	5 Patients
Diabetic	14 Patients
Low Blood Pressure	10 Patients

Notice Board

Dr. Airi Satou
Lorem ipsum dolor sit amet, id quo eruditi eloquentiam.
7 hours ago

Dr. Sarah Smith
Lorem ipsum dolor sit amet, id quo eruditi eloquentiam.
1 hour ago

Dr. Cara Stevens
Lorem ipsum dolor sit amet, id quo eruditi eloquentiam.

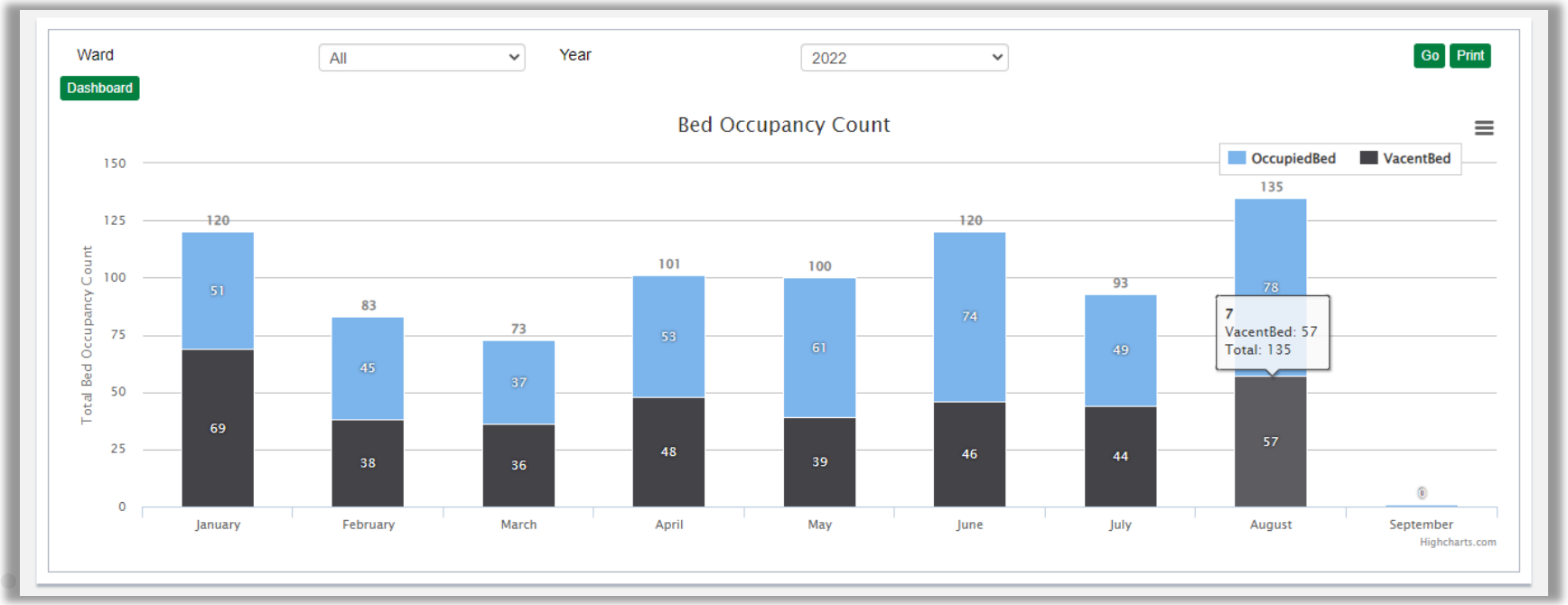
Recent Activity

5 mins ago
Lorem ipsum dolor sit amet conse ctetur which ascing elit users.

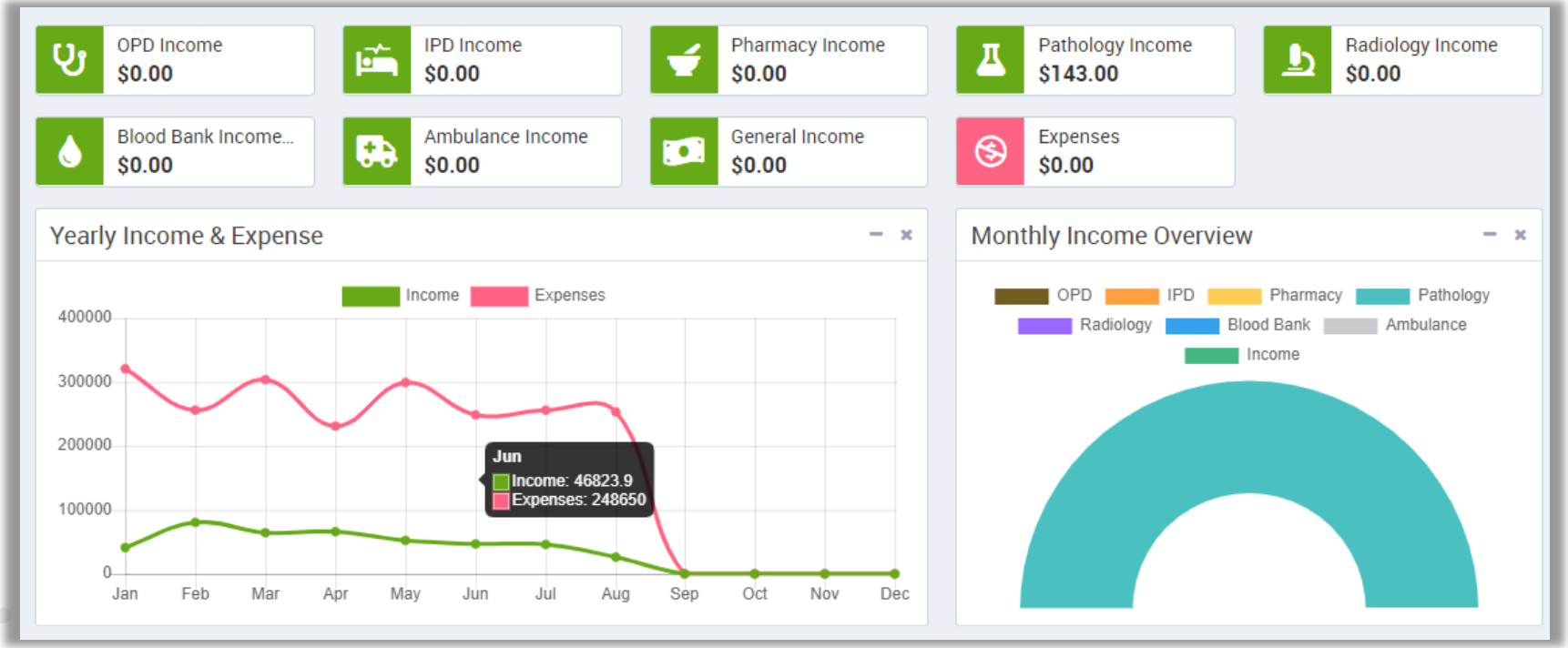
8 mins ago
Lorem ipsum dolor sit ametcon the sectetur that ascing elit users.

10 mins ago

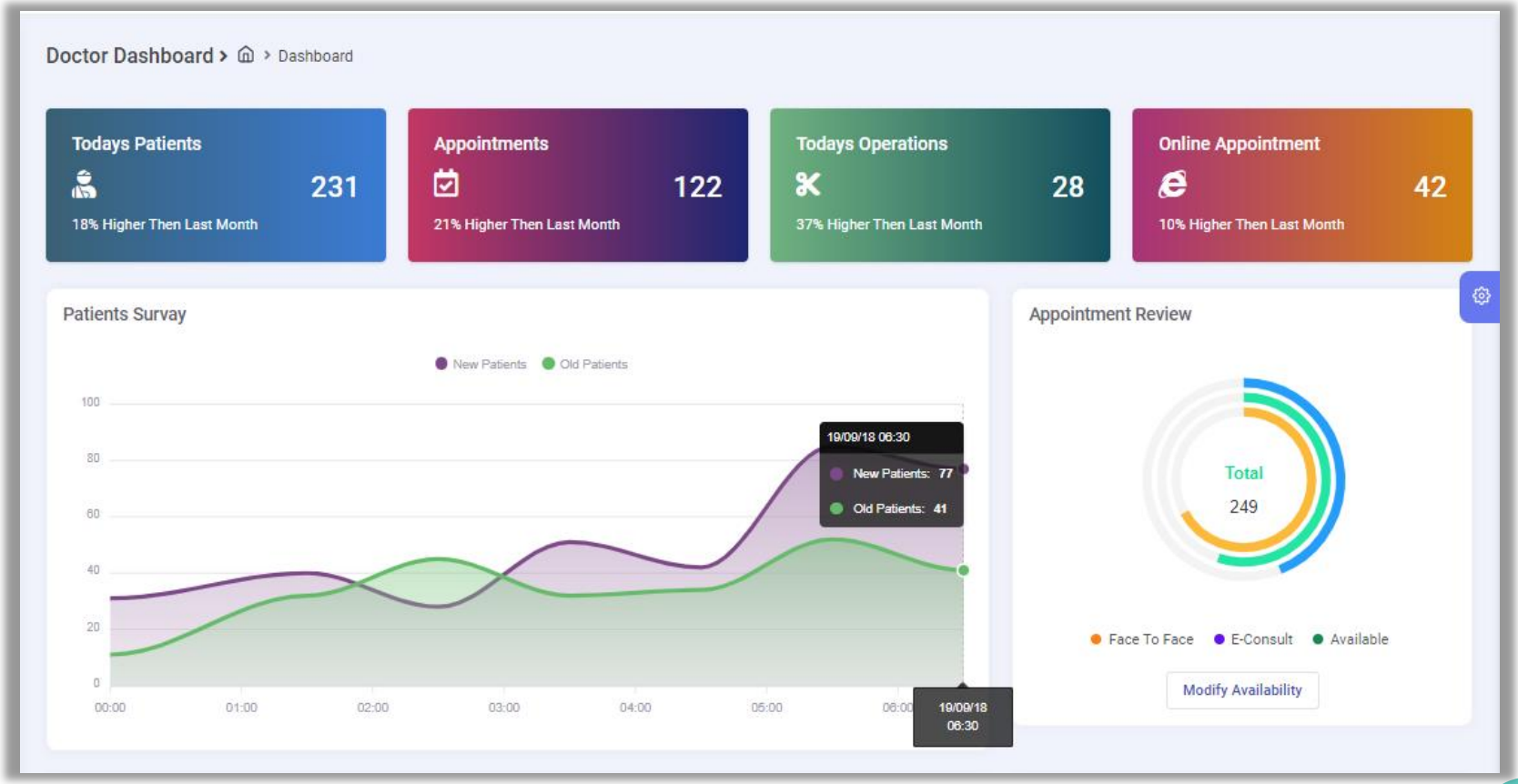
Admin Dashboard



Admin Dashboard



Doctor Dashboard



Doctor Dashboard

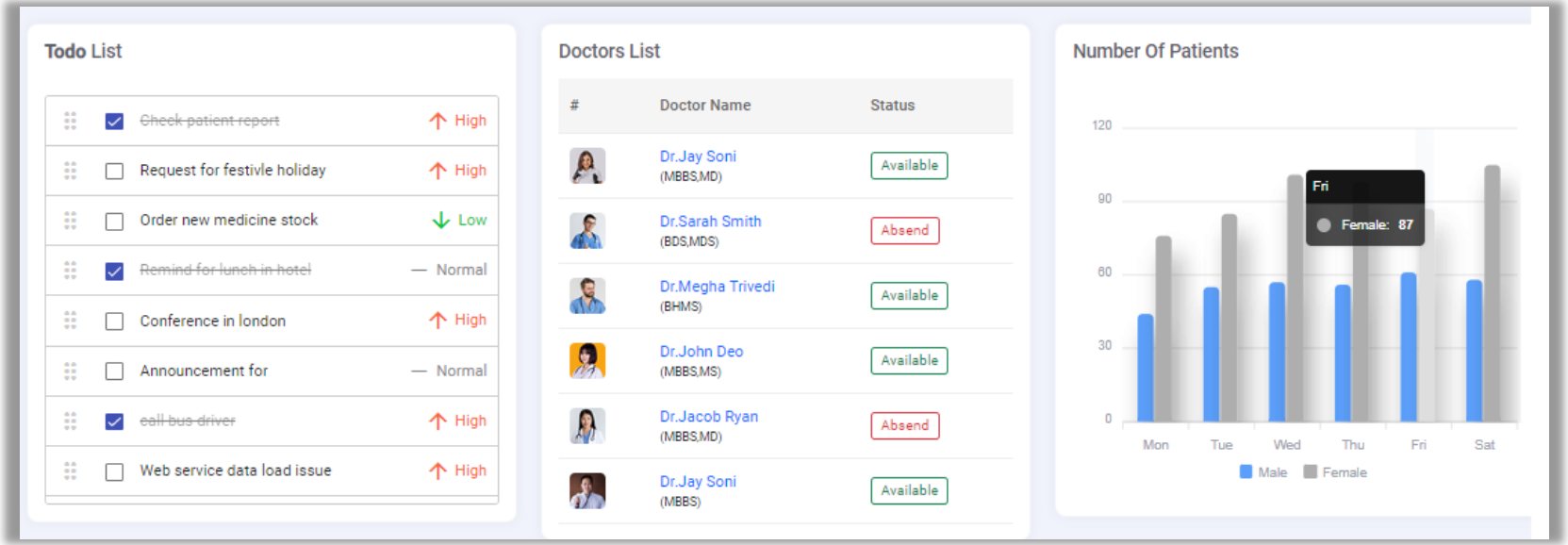
Todays Appointment

#	Patient Name	Gender	Last Visit	Diseases	Report	Details
	John Doe	Male	12/05/2016	Fever		Details
	Sarah Smith	Female	12/05/2016	Cholera		Details
	Airi Satou	Male	12/05/2016	Jaundice		Details
	Angelica Ramos	Female	12/05/2016	Typhod		Details
	Ashton Cox	Female	12/05/2016	Maleria		Details
	Cara Stevens	Male	12/05/2016	Infection		Details

Patients Group

C	Cholesterol	5 Patients
D	Diabetic	14 Patients
L	Low Blood Pressure	10 Patients
H	Hypertension	21 Patients
M	Malaria	11 Patients
D	Dental Problem	17 Patients

Doctor Dashboard



Patient Dashboard

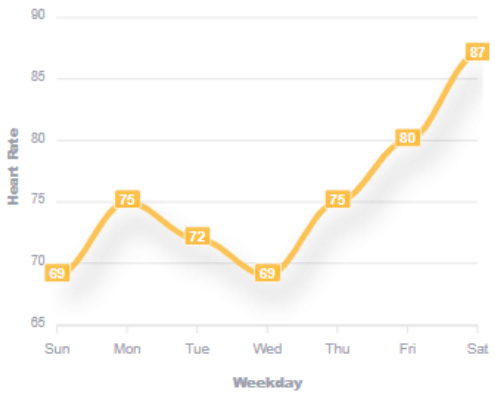
Blood Pressure
110/70
10% Higher Then Last Month

Blood Pressure
650
07% Less Then Last Month

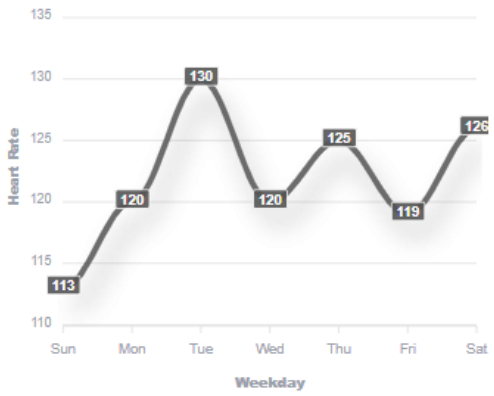
Glucose Level
88-75
12% Higher Then Last Month

Blood Count
9,456/mL
22% Less Then Last Month

Resting Heart Rate
72 bmp (Average)



Performance Heart Rate
129 bmp (Average)

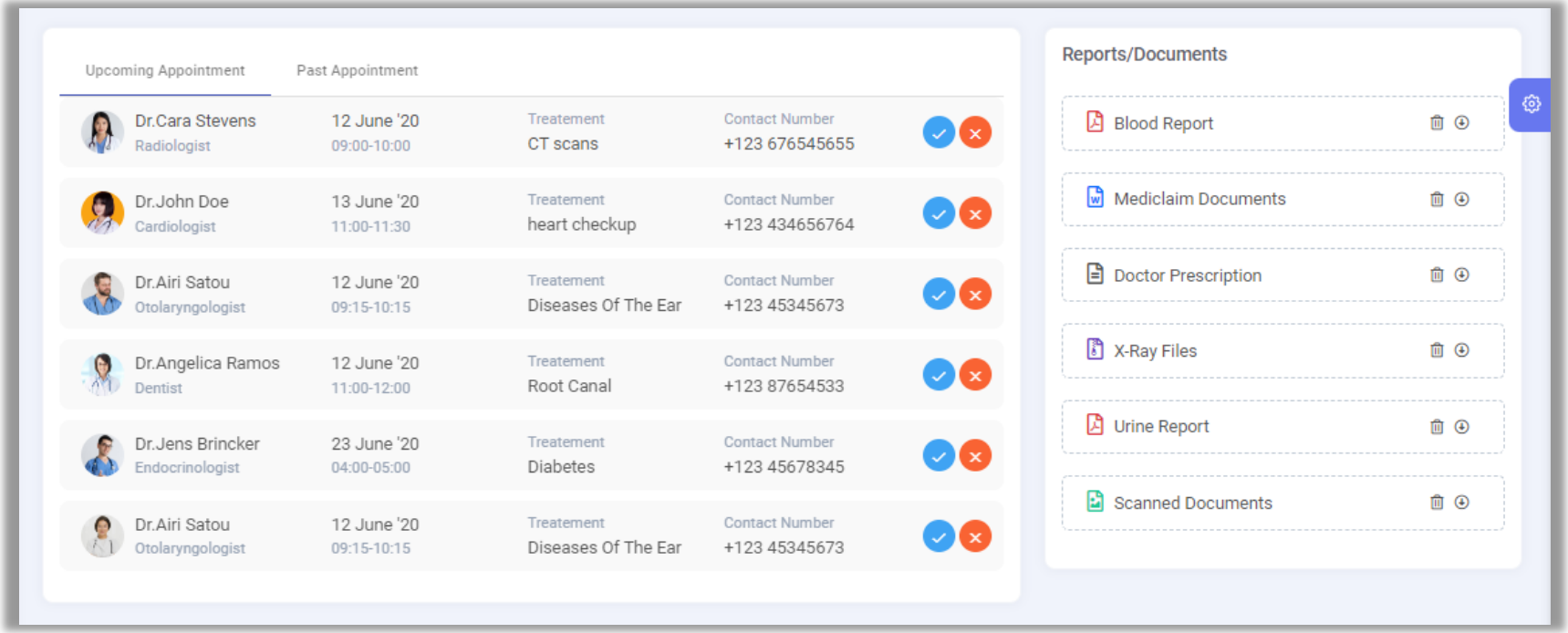


Medications

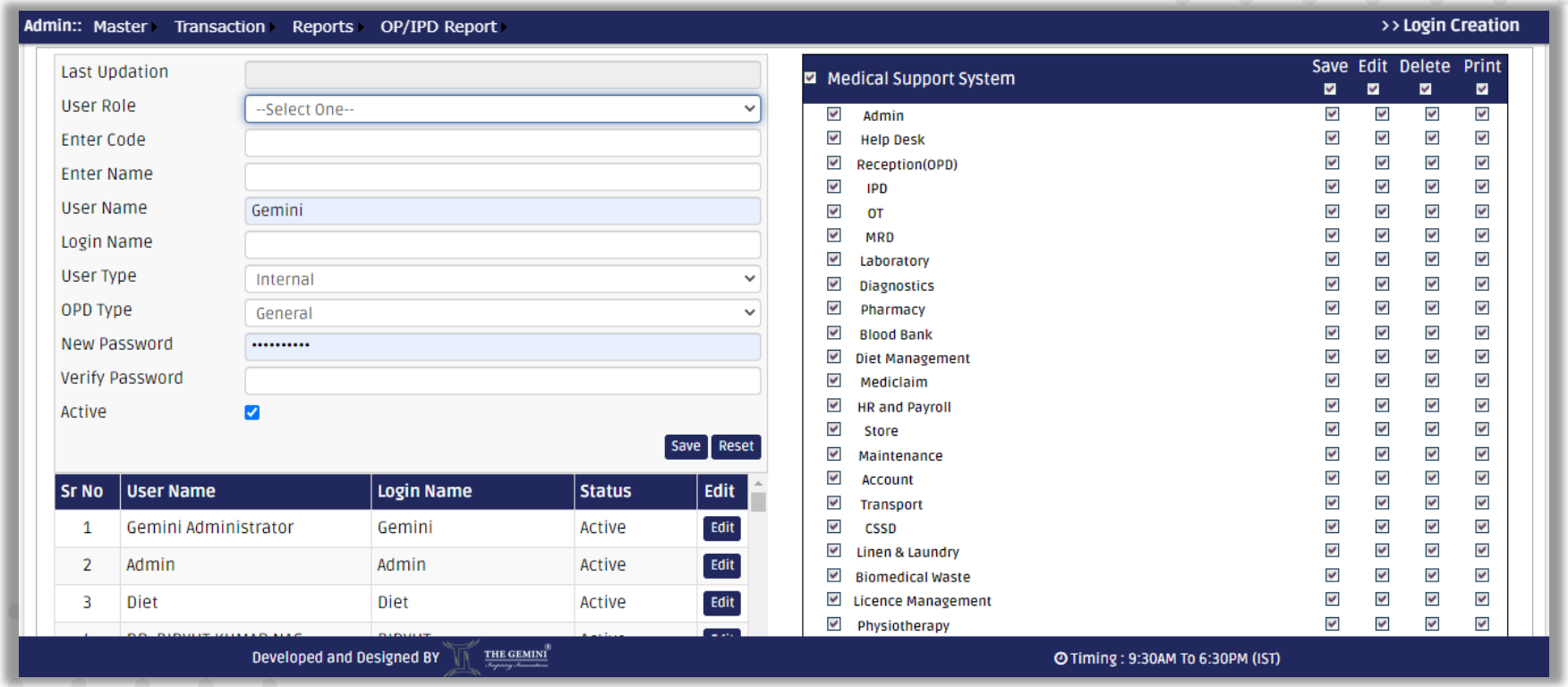
Econochlor (chloramphenicol-oral)	1 - 0 - 1
Desmopressin tabs	1 - 1 - 1
Abciximab-injection	1 Daily
Kevzara sarilumab	0 - 0 - 1
Gentamicin-topical	1 - 0 - 1
Paliperidone palmitate	1 - 1 - 1
Sermorelin-injectable	1 Daily

Report Adverse Effect

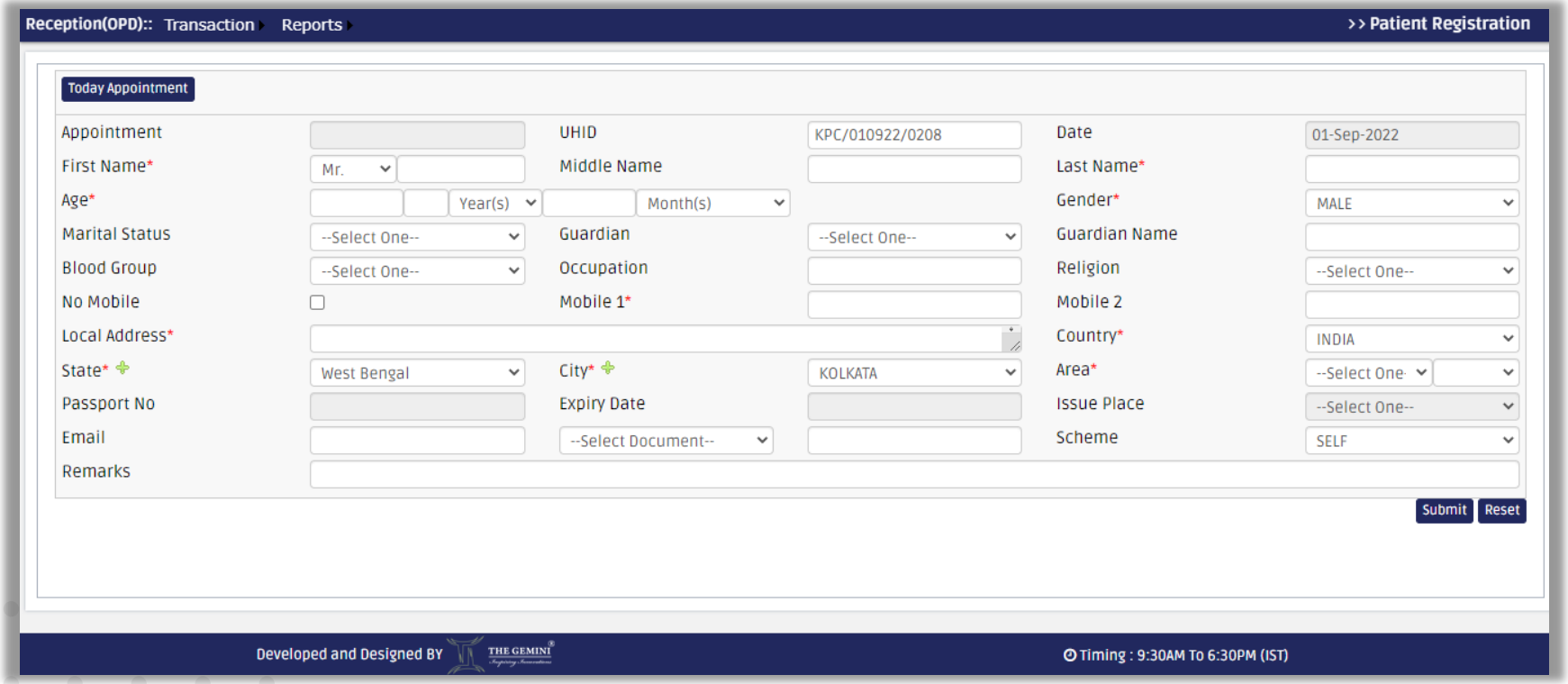
Patient Dashboard



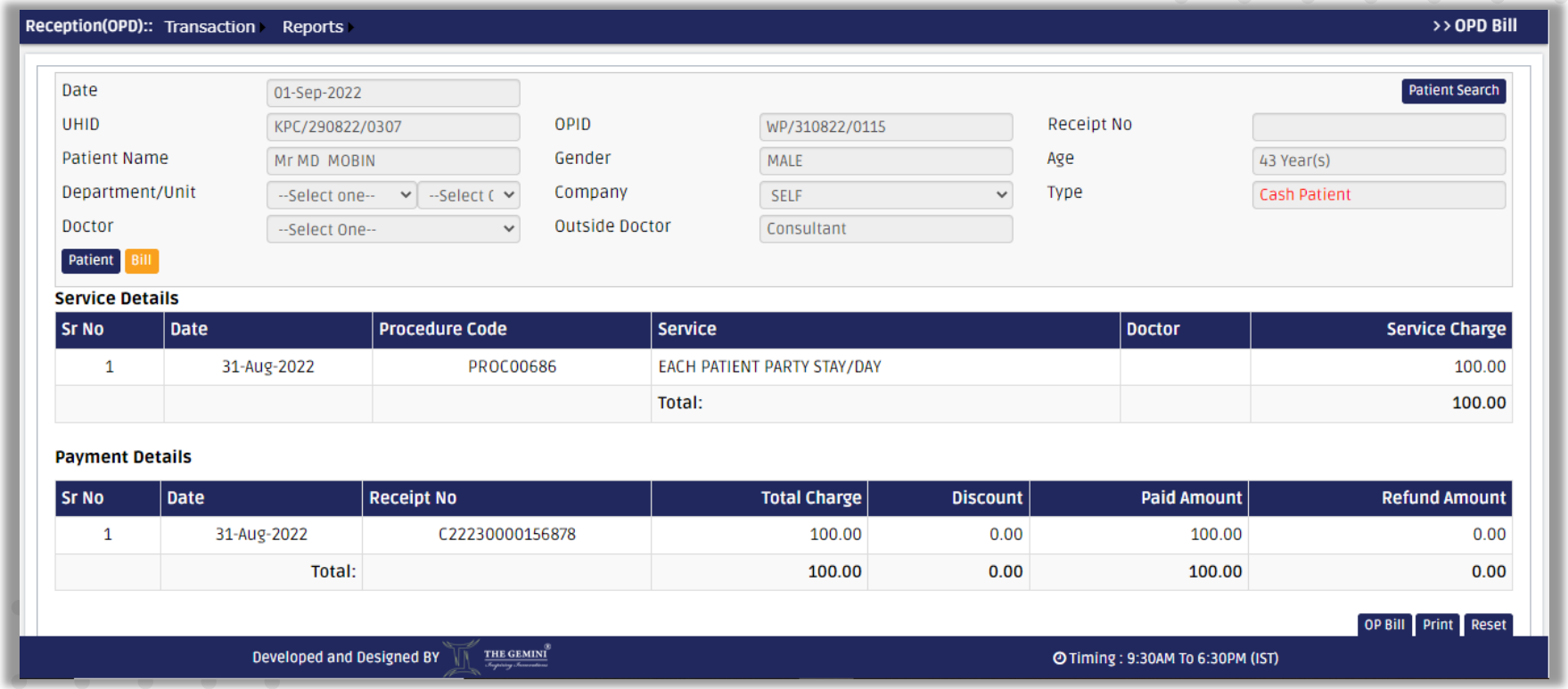
HIMS Forms


Admin:: Master Transaction Reports OP/IPD Report
>> Login Creation
Last Updation
User Role
--Select One--
Enter Code
Enter Name
User Name
Gemini
Login Name
User Type
Internal
OPD Type
General
New Password
Verify Password
Active
Save
Reset
Sr No
User Name
Login Name
Status
Edit
1
Gemini Administrator
Gemini
Active
Edit
2
Admin
Admin
Active
Edit
3
Diet
Diet
Active
Edit
Medical Support System
Save
Edit
Delete
Print
Admin
Help Desk
Reception(OPD)
IPD
OT
MRD
Laboratory
Diagnostics
Pharmacy
Blood Bank
Diet Management
Mediclaim
HR and Payroll
Store
Maintenance
Account
Transport
CSSD
Linen & Laundry
Biomedical Waste
Licence Management
Physiotherapy
Developed and Designed BY
THE GEMINI
Timing : 9:30AM To 6:30PM (IST)

HIMS Forms


Reception(OPD):: Transaction Reports >> Patient Registration
Today Appointment
Appointment
UHID
KPC/010922/0208
Date
01-Sep-2022
First Name*
Mr.
Middle Name
Last Name*
Age*
Year(s)
Month(s)
Gender*
MALE
Marital Status
--Select One--
Guardian
--Select One--
Guardian Name
Blood Group
--Select One--
Occupation
Religion
--Select One--
No Mobile
Mobile 1*
Mobile 2
Local Address*
Country*
INDIA
State*
West Bengal
City*
KOLKATA
Area*
--Select One--
Passport No
Expiry Date
Issue Place
--Select One--
Email
--Select Document--
Scheme
SELF
Remarks
Submit
Reset
Developed and Designed BY
THE GEMINI
Timing : 9:30AM To 6:30PM (IST)

HIMS Forms



Reception(OPD):: Transaction Reports >> OPD Bill

Patient Search

Date	01-Sep-2022				
UHID	KPC/290822/0307	OPID	WP/310822/0115	Receipt No	
Patient Name	Mr MD MOBIN	Gender	MALE	Age	43 Year(s)
Department/Unit	--Select one-- --Select (	Company	SELF	Type	Cash Patient
Doctor	--Select One--	Outside Doctor	Consultant		

Patient Bill

Service Details

Sr No	Date	Procedure Code	Service	Doctor	Service Charge
1	31-Aug-2022	PROC00686	EACH PATIENT PARTY STAY/DAY		100.00
			Total:		100.00

Payment Details

Sr No	Date	Receipt No	Total Charge	Discount	Paid Amount	Refund Amount
1	31-Aug-2022	C22230000156878	100.00	0.00	100.00	0.00
	Total:		100.00	0.00	100.00	0.00

OP Bill Print Reset

Developed and Designed BY THE GEMINI

Timing : 9:30AM To 6:30PM (IST)

Contact Us

Our Locations

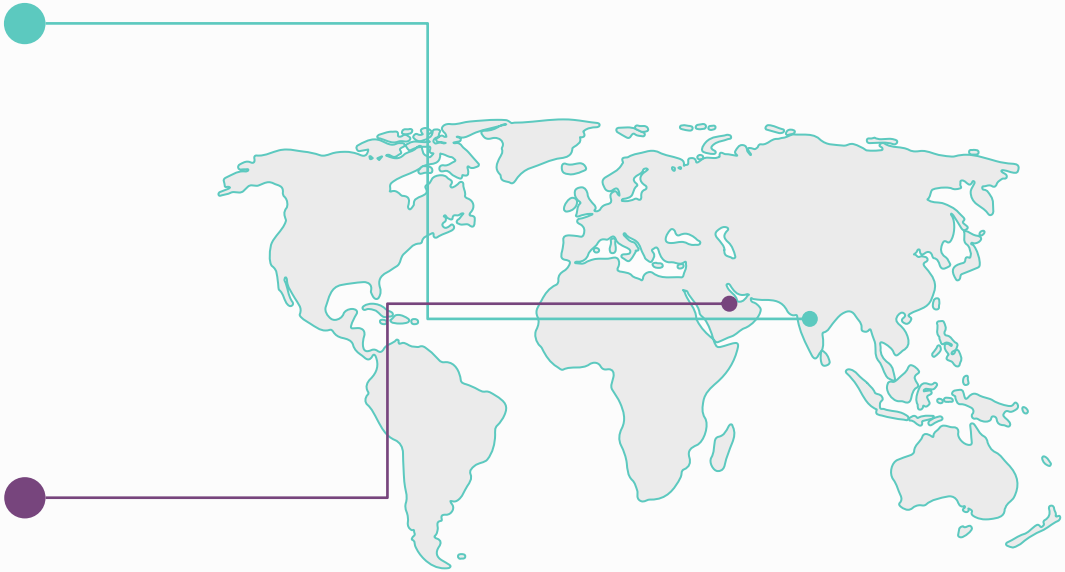
HEADQUARTER:
Ahmedabad, India

DEVELOPMENT CELL:
UAE

TECHNICAL SUPPORT:
UAE

BUSINESS ADDRESS :
Berlin, Germany

THE GEMINI PARTNER :
Nigeria, Kenya, Uganda, UAE, Trinidad



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- Email : director@thegeminiinternational.ae
- Visit : www.thegeminiinternational.ae