



THE GEMINI[®]
Inspiring Innovations

Hospital Information System

*Transforming Healthcare Through
Intelligent Digital Ecosystems.*



Industry Reality

Healthcare is Evolving—Is Your Hospital Ready?

- Rising patient expectations for **speed, transparency, and digital access**
- Increasing **operational complexity** across departments and systems
- Strict **compliance, data privacy, and security regulations**
- Pressure to **improve clinical outcomes** while reducing costs
- Growing need for **real-time data and decision-making insights**
- Demand for **integrated, scalable, and interoperable systems**

Traditional systems can't support **Modern healthcare demands.**

The Problem

Challenges in Modern Hospitals

- Long patient waiting times
- Manual registration & paperwork errors
- Disconnected departments (OPD, IPD, Lab, Pharmacy)
- Billing inaccuracies and revenue leakage
- Lack of real-time insights for decision-making
- Difficulty in compliance (ABDM, audit readiness)

Do these challenges **Sound familiar?**





Digital Maturity Model

Where Do You Stand?

1. **Manual Hospital**
2. **Digitized Hospital**
3. **Connected Hospital**
4. **Intelligent Hospital**

We help you move to **Level 4.**

Our Solution

One Platform. Complete Hospital Control.

Our HMS is an end-to-end digital solution that integrates all hospital operations into one system:

- Patient Management
- Clinical Workflows
- Billing & Finance
- Inventory & Pharmacy
- Reporting & Analytics
- Fully integrated HIS ecosystem
- Modular & scalable
- Cloud / On-premise / Hybrid
- Interoperable & future-ready
- Real-time data visibility



BETTER EXPERIENCE • BETTER CARE • BETTER OUTCOMES



Happy Patients



Empowered Staff



Healthy Hospital

System Overview

How It Works

Patient Registration → **Doctor Consultation** → **Lab Tests** → **Pharmacy** → **Billing** → **Discharge**

- Patient Management
- Clinical Workflows
- Billing & Finance
- Inventory & Pharmacy
- Reporting & Analytics

✓ Seamless data flow across departments | ✓ No duplication, no manual dependency

Core Modules Overview

End-to-End Coverage



Admin



Help Desk



Reception(OPD)



IPD



OT



MRD



Emergency EMR



Laboratory



Diagnostics



Pharmacy



Cathlab



Day Care



Diet Management



Physiotherapy



Blood Bank



Mediclaim



HR and Payroll



Store



Maintenance



CSSD



Linen & Laundry



Biomedical Waste



Transport



Licence Mgt



Account



SMS WHATSAPP



MIS

Patient Registration & Appointment

Fast & Accurate Patient Onboarding

- **Quick patient registration** with unique ID and minimal data entry
- **Centralized patient demographics** with complete history access
- **Online & on-site appointment scheduling** (web, mobile, front desk)
- Real-time **doctor availability & slot management**
- Multi-location appointment booking for hospital networks
- **Automated reminders** & notifications (SMS/email/WhatsApp)
- Walk-in, emergency, and **priority queue handling**
- **Seamless integration** with EMR, billing, and queue management

✓ Reduced waiting time ✓ Improved patient experience

Doctor & Consultation Module

Efficient Clinical Management

- **Comprehensive Electronic Medical Records (EMR)** with instant access to patient history
- **Digital prescriptions (eRx)** with medication templates and safety checks
- **Structured clinical documentation** (SOAP notes, diagnosis coding)
- **Order management** for labs, radiology, and procedures directly from consultation
- **Clinical decision support** (alerts, guidelines, interaction checks)
- **Follow-up & care plan management** with reminders and scheduling
- Centralized lifetime patient health records
- Secure **access across devices** (desktop, tablet, mobile)

✓ Faster consultations ✓ Better diagnosis with history access

Advanced EMR Module

Intelligent Clinical Documentation & Workflow Automation

- **Voice-to-text** consultation notes
- Customizable **specialty-wise clinical templates**
- Integrated vitals, nursing, and **treatment tracking**
- **Real-time patient timeline** and history view
- **Automated discharge summary** generation
- **Clinical alerts** and follow-up reminders
- **Digital signatures** and secure authentication
- Multi-device and **cloud-based accessibility**

✓ Faster consultations ✓ Better diagnosis with history access

Lab & Diagnostics Integration

Connected Diagnostics

- **End-to-end order management** for lab tests and imaging from the clinician workflow
- **Seamless LIS/RIS integration** with unified patient records (no duplicate entry)
- **Automated sample collection** & barcode tracking for traceability
- **Analyzer/device integration** for direct result capture (reduced manual errors)
- **Result validation & approval** workflows with role-based controls
- **Real-time report availability** in EMR with alerts to clinicians
- **Standardized reporting formats** with reference ranges and flags
- **Secure report sharing** with patients (portal/email) and external providers

✓ Reduced errors ✓ Faster turnaround time

Pharmacy & Inventory

Smart Inventory Control

- **Real-time inventory tracking** across pharmacy and multiple store locations
- **Batch-wise & expiry management** with automated alerts
- **Integrated e-prescription** dispensing linked to doctor orders
- **Automated stock replenishment** with reorder level controls
- **Multi-store & warehouse management** with transfer tracking
- **Purchase, GRN & vendor management** with audit trails
- **Barcode/QR-based dispensing** to reduce errors and improve speed
- **Inventory analytics & reporting** (consumption, wastage, stock valuation)

✓ No stock-outs ✓ Reduced wastage

Billing & Revenue Management

Billing & Revenue Management

- **End-to-end billing automation** for OPD, IPD, ER, and procedures
- **Complex package & bundled pricing** (procedures, room, consumables)
- **Insurance/TPA workflows** with pre-auth, approvals, and claims tracking
- **Automated charge capture** from orders (lab, pharmacy, procedures)
- **Multi-currency, multi-payment support** (cash, card, online, wallets)
- **Real-time revenue dashboards** with department-wise insights
- **Discounts, approvals & audit controls** with full traceability
- **Accurate invoicing & financial reporting** (tax-ready, compliance-aligned)

✓ Reduced revenue leakage ✓ Faster billing process

Dashboard & Analytics

Real-Time Insights for Better Decisions

- **Real-time operational dashboards** for patient flow, occupancy, and throughput
- **Financial analytics** with revenue, collections, and profitability insights
- **Department-wise performance tracking** (OPD, IPD, lab, pharmacy)
- **Customizable KPIs & role-based views** for management, clinicians, and admin
- **Trend analysis & forecasting** for patient inflow and resource planning
- **Drill-down reports** from summary to transaction-level data
- **Automated report scheduling** & exports (PDF/Excel/email)
- **Data visualization tools** (charts, heatmaps, comparative analytics)

✓ Data-driven decisions ✓ Improved operational control

Add ons

Start with what you need. Scale as you grow.



AI-Powered Intelligence Module

Turning Healthcare Data into Intelligent Decisions

- AI-Powered EMR Documentation
- Speech-to-Text Clinical Notes
- Auto-Generated Discharge Summaries
- Smart e-Prescription & Dosage Validation
- Radiology & Imaging AI Integration
- AI-Driven Patient Engagement Chatbots
- Multilingual Voice & Text Assistance
- Manual Prescription Digitization

✓ Reduced doctor workload ✓ Faster, data-driven decisions ✓ Improved patient outcomes

Smart Queue & Self-Service Kiosk

Seamless Check-In, Smarter Patient Experience

- **Token-based digital queue system** with real-time display screens
- **Self check-in kiosks** for appointments and walk-in registrations
- **Multi-channel token generation** (kiosk, mobile app, web, reception)
- **Real-time queue visibility** for patients and staff
- **Priority handling** (emergency, senior citizens, VIP patients)
- **SMS/WhatsApp alerts** for token status and call notifications
- Department-wise queue management with load balancing
- **Queue analytics & performance insights** (wait time, service efficiency)

✓ Zero crowding at reception ✓ Faster patient flow ✓ Modern hospital experience

Telemedicine & Virtual Care

Extending Care Beyond the Hospital

- **Secure video consultations** with HD quality and low-latency connectivity
- **Integrated scheduling & virtual waiting room** for seamless patient flow
- **Access to EMR during consultation** (history, labs, medications)
- **ePrescription & digital orders** (labs, imaging, pharmacy)
- **Multi-device support** (web, mobile, tablet) for doctors and patients
- **Automated reminders & notifications** for appointments and follow-ups
- **Payment integration** for online consultation billing

✓ Expand reach beyond location ✓ Increase OPD revenue ✓ Convenience for patients

Mobile App

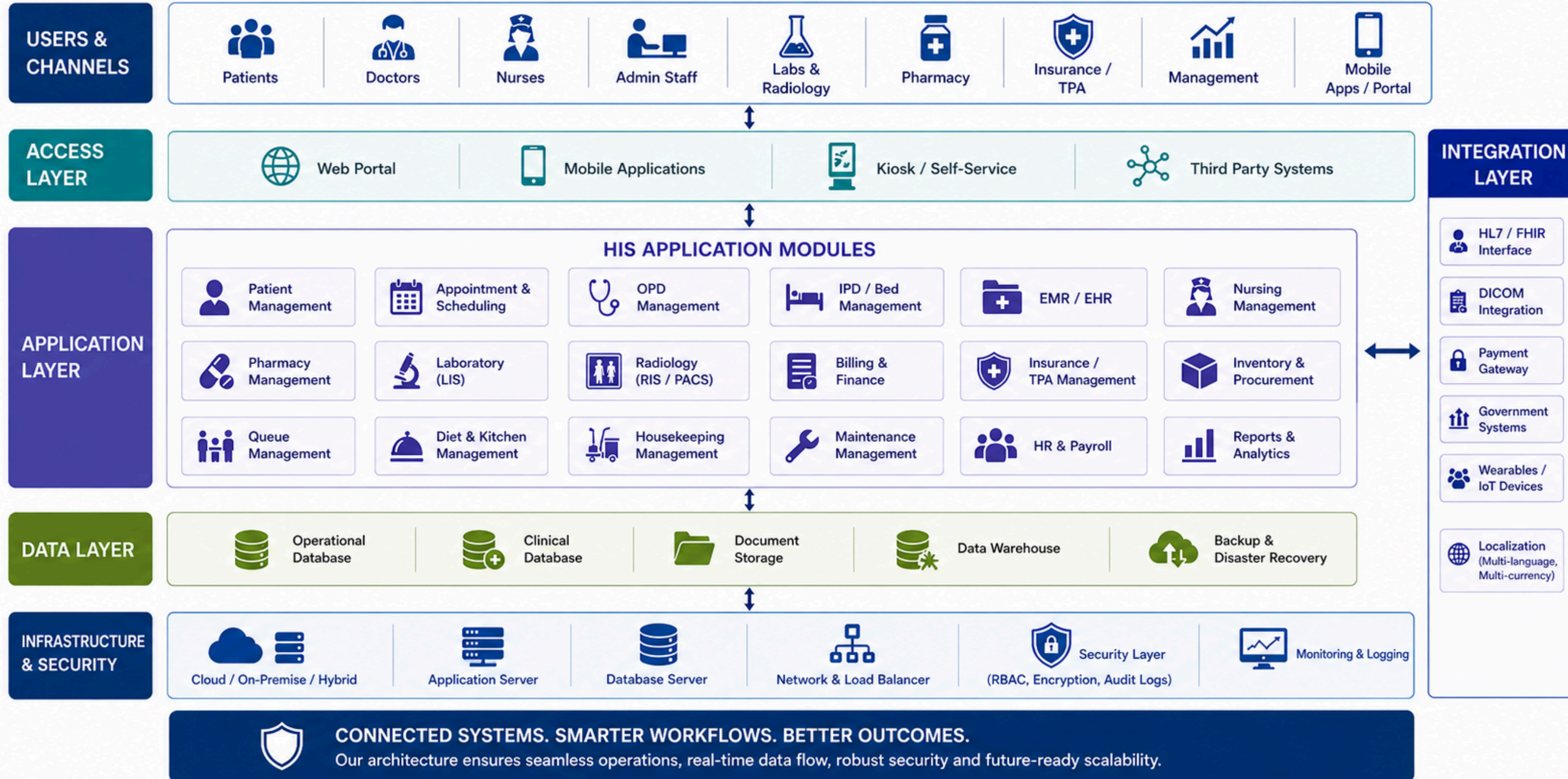
Connected Care. Anytime. Anywhere.

- **Appointment booking & management** (reschedule, cancel, reminders)
- **Access to digital health records** (reports, prescriptions, visit history)
- **Teleconsultation access** (video/audio chat with doctors)
- **Real-time notifications & alerts** (appointments, reports, billing)
- **ePrescription & medication reminders**
- **Online payments & billing history**
- **Queue status & live token tracking**
- **Multi-role access** (patients, doctors, admin dashboards)

✓ Better patient engagement ✓ Reduced front-desk load ✓ Higher retention

HIS ARCHITECTURE DIAGRAM

A Scalable, Secure & Interoperable Healthcare Platform



Before vs After Implementation

Transformation You Can Measure

Area	Before The Gemini HIS	After The Gemini HIS
Patient Wait Time	40–60 mins	10–15 mins
Billing Errors	Frequent	Minimal
Data Access	Manual	Instant
Staff Productivity	Low	High

THE GEMINI HIS BENEFITS THAT DRIVE REAL IMPACT

Measured Improvements. Better Outcomes. Sustainable Growth.

01



REDUCED
PATIENT WAIT TIME

50% ↓

Faster registration, queue
management & streamlined
workflows

02



INCREASE IN
REVENUE

20-30% ↑

Optimized billing, reduced
leakage & better case
conversion

03



IMPROVED
BILLING ACCURACY

95%+ ↑

Automated charge capture
& validation reduces
human errors

04



BETTER BED
UTILIZATION

15-25% ↑

Real-time bed visibility &
efficient patient flow
management

05



REDUCTION IN
MEDICAL ERRORS

30-40% ↓

Clinical decision support
& standardized protocols
improve safety

06



INVENTORY COST
REDUCTION

20-35% ↓

Better stock control, auto
reorder & reduced
wastage/expiry

07



IMPROVED STAFF
PRODUCTIVITY

25-35% ↑

Automation of manual tasks
& real-time information
access

08



INCREASE IN PATIENT
SATISFACTION

35-45% ↑

Shorter wait times, better
communication & seamless
experience

09



REDUCTION IN
OPERATIONAL COST

15-25% ↓

Optimized resources,
paperless processes &
efficient workflows

10



FASTER REPORTING &
DECISION MAKING

60-70% ↑

Real-time dashboards &
analytics for data-driven
decisions

11



COMPLIANCE & AUDIT
READINESS

100%

Complete audit trails, role-
based access & regulatory
compliance

12



PAPER USAGE
REDUCTION

80-90% ↓

Go paperless with digital
records, e-prescriptions
& e-reports



**BETTER OPERATIONS.
BETTER CARE. BETTER RESULTS.**

The Gemini HIS empowers hospitals to achieve
measurable impact across all levels.



BETTER CARE

Higher quality of care
& patient safety



HIGHER PROFITABILITY

Increase revenue &
improve financial control



OPERATIONAL EXCELLENCE

Efficient processes &
optimal resource utilization



**HAPPIER PATIENTS
& STAFF**

Better experience, higher
satisfaction & retention

Results may vary based on hospital size, processes and implementation scope.

Use Case Scenario

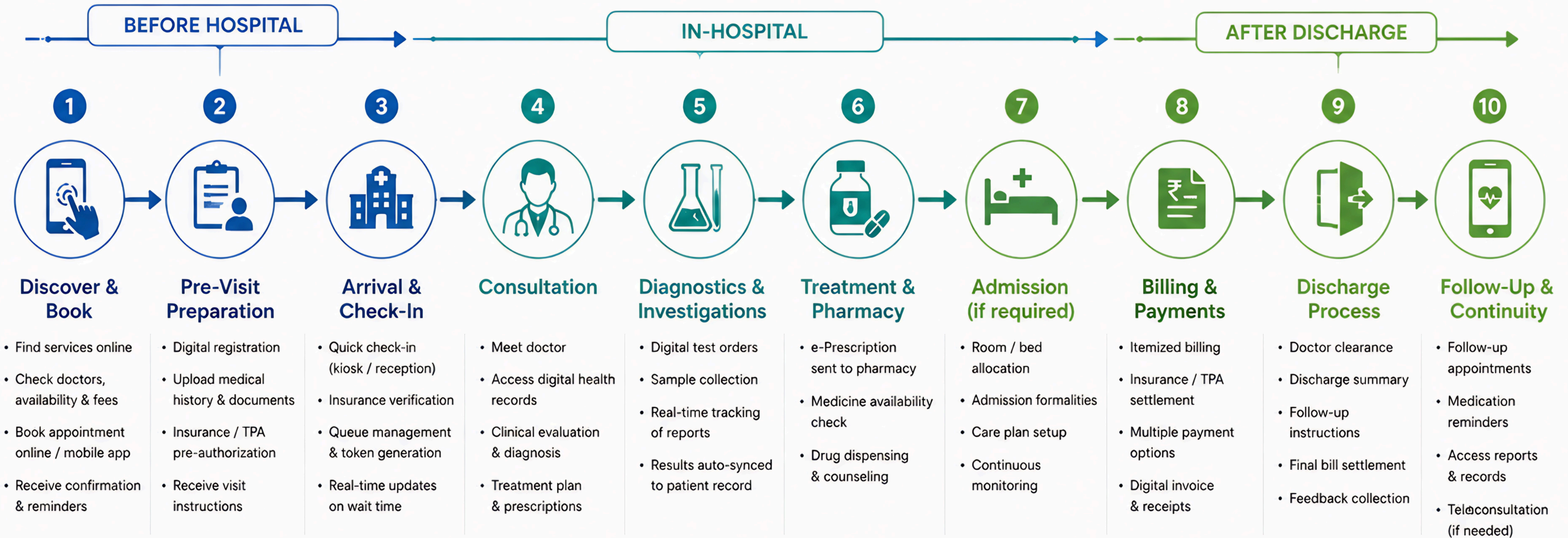
A Patient's Digital Journey

- Patient registers in 30 seconds
- Doctor accesses full history instantly
- Lab tests ordered digitally
- Admission to IPD with bed allocation (if required)
- Treatment, vitals & nursing care updated in real-time
- Pharmacy auto-updated for medications
- Bill generated instantly with all services captured
- Discharge summary created & patient discharged seamlessly

Complete journey handled in one system



Seamless. Connected. Patient-Centric.



SUPPORTED BY OUR HIS ECOSYSTEM



Centralized Patient Record

Single, secure view of patient data across all touchpoints



Security & Compliance

Role-based access, encryption & audit trails ensure complete security



Communication & Alerts

SMS / Email / WhatsApp alerts & notifications at every step



Analytics & Insights

Real-time dashboards for better decision making & improved outcomes



Integrations

Lab, Radiology, Pharmacy, Insurance, TPA, Payment Gateways & more



Mobile Access

For patients, doctors & staff – anytime, anywhere

Interoperability & Integration

Connected Data. Continuous Care.

- **Standards-Based Integration (HL7 / FHIR / ABDM-ready)** – Ensures compatibility with national and global healthcare systems
- **Seamless EMR/EHR Synchronization** – Real-time exchange of patient records across departments
- **Laboratory & Radiology Integration (LIS/RIS)** – Auto-updates reports into patient records instantly
- **Pharmacy System Integration** – Direct prescription flow to pharmacy with inventory sync
- **Insurance & TPA Connectivity** – Automated claim data sharing and verification
- **External System Connectivity (APIs)** – Easy integration with third-party apps, devices, and platforms
- **Patient Data Exchange Across Facilities** – Unified records across multiple hospitals/branches
- **Real-Time Data Flow & Event Sync** – Eliminates delays and duplication through live updates

✓ Compliance-ready ✓ Seamless data exchange ✓ Reduced manual work

Compliance & Security

Secure & Government-Ready

- **HIPAA Compliance Ready** – Aligned with national and international healthcare regulations
- **Role-Based Access Control (RBAC)** – Ensures data access only to authorized users
- **End-to-End Data Encryption** – Secures patient data in transit and at rest
- **Audit Trails & Activity Logs** – Complete tracking of all user actions for transparency
- **Multi-Factor Authentication (MFA)** – Adds an extra layer of login security
- **Data Privacy & Consent Management** – Patient-controlled consent as per ABDM standards
- **Automated Backup & Disaster Recovery** – Ensures zero data loss and business continuity
- **Session Management & Timeout Controls** – Prevents unauthorized access on idle sessions
- **Regular Security Patching & Vulnerability Management** – Keeps system protected from threats

✓ Faster approvals ✓ Risk-free operations

Compliance, Standard & Security

Built for Compliance, Engineered for Security



Protects patient health data privacy and security.



Ensures consistent quality and continuous improvement.



Defined processes ensure consistent, high-quality delivery.



Secure, scalable, and anytime-access infrastructure.



Standard for fast, secure healthcare data exchange.



India's digital health framework for secure data sharing.



Ensures quality and safety standards in healthcare organizations.



Standard system for disease classification and coding.



High-level encryption for strong data security.



Restricts system access based on user roles.

Implementation Approach

Smooth Deployment

- Phase-wise rollout
- Staff training
- Go-live support
- Minimal disruption

Support & Services

We're With You Always

- 24/7 support
- Dedicated account manager
- Regular updates
- Training programs

Why Choose Us ?

What Makes Us Different

- End-to-end integrated HIS platform
- Seamless system interoperability
- AI-powered smart insights
- Strong security & data privacy controls
- Scalable for all hospital sizes
- Quick implementation & easy adoption
- Real-time clinical data access
- Mobile-enabled operations
- Improved efficiency & patient experience

Complete journey handled in one system



Case Study 1: Multi-Specialty Hospital

KPC Medical College & Hospital, Kolkata

HOSPITAL PROFILE:

- 750-bedded multi-specialty hospital
- 1000+ patients/day OPD
- NABH-aligned processes

CHALLENGES:

- Long OPD queues (45–60 mins waiting)
- Manual registration & billing delays
- Poor coordination between departments

SOLUTION IMPLEMENTED:

- Complete HIS deployment
- Real-time dashboard
- Digital patient records

RESULTS:

- Patient wait time reduced by 60%
- Billing time reduced from 10 mins → 3 mins
- Staff productivity increased by 40%

Client Testimonial:

“We finally have control over our finances. The dashboard gives us complete visibility, and leakages have almost disappeared”

Case Study 2: Multi-Specialty Hospital

B.P. Poddar Hospital, Kolkata

HOSPITAL PROFILE:

- 200+ bed multi-specialty hospital
- 500+ daily OPD patients
- 25+ departments including ICU, Emergency.

CHALLENGES:

- Limited real-time visibility for management
- Manual coordination between departments
- High dependency on staff for updates

SOLUTION IMPLEMENTED:

- End-to-end HIS (OPD, IPD, ER, Billing)
- Integrated LIS & Pharmacy
- Role-based access with audit logs

RESULTS:

- Doctor consultation efficiency improved by 30%
- Inter-department coordination improved significantly
- Manual dependency reduced by 50%

Client Testimonial:

“With such a large setup, visibility was our biggest challenge. Now, we can monitor every department in real-time.”

Case Study 3: Multi-Specialty Hospital

Swami Narayan Hospital, Ahmedabad

HOSPITAL PROFILE:

- 520-bed hospital with high IPD load
- Strong insurance & TPA patient base
- Multiple pharmacies & inventory stores

CHALLENGES:

- Revenue leakage due to manual billing gaps
- No centralized financial dashboard
- Delayed billing & discharge process

SOLUTION IMPLEMENTED:

- Complete HIS deployment
- Real-time dashboard
- Audit trail & role-based approvals

RESULTS:

- Discharge billing time reduced by 60%
- Inventory variance reduced by 35%
- Real-time revenue tracking enabled

Client Testimonial:

“We were losing revenue without realizing it. After implementation, every transaction is tracked.”

Domestic Impact

Delivering Measurable Impact for Indian Hospitals

- Reduced patient waiting time across multiple hospitals
- Improved billing accuracy and revenue control
- Streamlined hospital operations with digital workflows
- Enhanced patient experience and staff productivity

Delivering reliable healthcare technology across India

Regions Covered

- Kolkata
- Ahmedabad
- Mumbai
- Madurai
- Delhi
- Udaipur
- Rajkot
- Surat
- Gurugram



Global Presence + Trust

Trusted by Healthcare Providers Across the Globe

- Serving hospitals, clinics, and healthcare groups across multiple regions
- Proven deployments in multi-specialty, IVF, and enterprise hospitals
- Supports multiple languages for diverse user environments
- Scalable solutions supporting small clinics to 500+ bed hospitals
- Experience in handling high patient volumes and complex workflows

Delivering consistent healthcare technology across diverse geographies

Regions Covered

- Nepal
- Doha
- Bahrain
- Trinidad
- Zambia
- Nigeria
- Sri Lanka



DIGITAL HEALTHCARE TRENDS IN NUMBERS

2025–2030 OUTLOOK



The global digital healthcare market is accelerating fast — driven by technology, data and patient-centric care.

01

GLOBAL DIGITAL HEALTH MARKET



\$ 372.0B
2025

\$ 811.5B
2030

CAGR (2025-2030)
16.9%

02

TELEHEALTH MARKET SIZE



\$ 143.6B
2025

\$ 285.4B
2030

CAGR (2025-2030)
14.7%

03

AI IN HEALTHCARE MARKET



\$ 31.5B
2025

\$ 188.0B
2030

CAGR (2025-2030)
42.7%

04

DIGITAL THERAPEUTICS MARKET



\$ 9.6B
2025

\$ 26.8B
2030

CAGR (2025-2030)
22.9%

05

WEARABLE DEVICES MARKET



\$ 74.6B
2025

\$ 134.4B
2030

CAGR (2025-2030)
12.5%

06

HEALTHCARE CLOUD COMPUTING MARKET



\$ 67.4B
2025

\$ 136.1B
2030

CAGR (2025-2030)
15.1%

07

REMOTE PATIENT MONITORING MARKET



\$ 21.6B
2025

\$ 57.3B
2030

CAGR (2025-2030)
21.6%

08

HEALTHCARE DATA ANALYTICS MARKET



\$ 49.3B
2025

\$ 105.1B
2030

CAGR (2025-2030)
16.3%

09

ELECTRONIC HEALTH RECORDS (EHR) MARKET



\$ 34.7B
2025

\$ 67.3B
2030

CAGR (2025-2030)
14.1%

10

CYBERSECURITY IN HEALTHCARE MARKET



\$ 11.1B
2025

\$ 23.7B
2030

CAGR (2025-2030)
16.4%

11

DIGITAL HEALTH INVESTMENTS



\$ 110B+
2025

\$ 220B+
2030

Global digital health investments
expected to double by 2030

12

GLOBAL CONNECTED HEALTH DEVICES



1.9 Bn
2025

3.6 Bn
2030

Connected devices in healthcare
will nearly double by 2030



THE FUTURE IS DIGITAL, PREDICTIVE & PERSONALIZED.



Better Outcomes



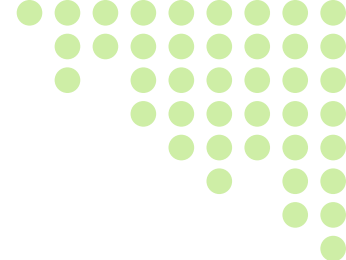
Lower Costs



Improved Access



Smarter Care



Conclusion

Transforming Healthcare Through Intelligent Digital Innovation

- Unified platform connecting all hospital operations
- Improved patient experience with faster, seamless workflows
- Enhanced clinical efficiency through digital care processes
- Real-time visibility for smarter operational decisions
- Reduced billing errors and revenue leakage
- Secure, scalable, and compliance-ready architecture
- Interoperable ecosystem supporting future healthcare needs
- Empowering hospitals with intelligent, data-driven healthcare management

Our **Hospital Information System (HIS)** delivers a **fully integrated, intelligent, and scalable healthcare ecosystem designed for modern hospitals**. From patient registration to discharge, the platform streamlines workflows, enhances care quality, improves operational efficiency, and enables data-driven decision-making—helping healthcare providers deliver better outcomes with greater control and transparency.

Contact Us

Connect With Us for Quick Support !

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