

CONNECTED HEALTHCARE



HEALTHCARE & MEDICAL EDUCATION ERP

# Care. Learning. Operations. Connected.

An integrated ERP for medical and nursing colleges, with active hospital, telehealth and AI-assisted workflow modules.



COLLEGE ERP / HOSPITAL OPERATIONS / TELEHEALTH / AI

One connected institution. A broader healthcare platform.

## THE PLATFORM PROMISE

# One institution. One connected operating view.

Connect academic delivery, administration, people and student services through shared records and controlled workflows.

**A SHARED FOUNDATION FOR DAILY OPERATIONS**

## Every team sees the context it needs.

**Students**

Applications, enrollment and academic history

**People**

Employee records, teaching and attendance

**Operations**

Requests, approvals and service reporting

**Continuity**

Carry records across departments and academic stages.

**Control**

Configure roles, permissions and approval authority.

**Visibility**

Track pending work, outcomes and integration health.

**8 core college modules****6 platform capabilities**

Dashboard / Fee Integration / Integration Management  
Users & Roles / Notifications / Settings

# Records that travel. Decisions that connect.

A change in one module becomes useful context for the next team, while access remains governed by institutional authority.

**Admit**

Applicant profile, eligibility and verified documents

**Enroll**

Student ID, program, semester, section and subjects

**Attend**

Faculty assignments, timetable and attendance

**Assess**

Exam registration, validated marks and review

**Publish**

Authorized results, mark sheets and academic history

**CROSS-MODULE DEPENDENCIES**

## The links behind the workflows.

Documents inform admissions; confirmed admissions create academic records. HR faculty records support subject and timetable assignments. Approved leave flags affected classes for review. Examination outcomes update academic history. Grievance status changes feed notifications and reporting.

Shared masters: students, applicants, employees, departments, programs, subjects, terms, sections, rooms and roles.

Fee records remain owned by the existing fee system; mapped IDs link them to student views.

# Learning and enrollment.

Detailed functional coverage for the college-management modules named in the tender summary.

## 01 Academics

### Academic structure

Department, program, course, subject, credit, theory/practical component and faculty mapping.

### Terms and cohorts

Academic years, semesters, classes, sections and batches; capacity limits and student transfers.

### Timetables

Working days, periods, rooms and faculty allocation; class, faculty and room views with conflict checks.

### Attendance

Present, Absent and Late status; authorized corrections, period summaries and threshold alerts.

### Academic history

Enrollment, subject registrations, progression and Active, Graduated or Discontinued status.

## 02 Admissions

### Applicant records

Unique application IDs; contact details, qualifications, course preferences and academic-year mapping.

### Processing

Eligibility checks, staff assignment, review remarks, missing-information requests and status history.

### Verification

Document checklists, Pending/Verified/Rejected status, verifier remarks and resubmission requests.

### Decisions

Approval or rejection, decision dates and offers; confirmed enrollment creates a linked student ID.

### Reporting

Application funnel, course-wise conversion, pending checks and filtered CSV exports.

# Institutional control.

Detailed functional coverage for the college-management modules named in the tender summary.

## 03 Administration

### Institution profile

College and campus details, branding, contact information and active academic-year configuration.

### Organization

Departments, designations, heads and reporting structures with organizational hierarchy.

### Calendar

Semester dates, holidays, working days, admission deadlines, examinations and institutional events.

### Communications

Targeted circulars and notices by role, department, course or class; scheduling and publication history.

### Approvals

Request queues, authorized decisions, remarks, timestamps and administrative activity history.

## 04 Documents

### Repository

Searchable documents linked to applicants, students and employees; owner, category and status filters.

### Categories

Identity, qualifications, admissions, employee, examination and institutional document records.

### File handling

Upload metadata, file-type and size validation, supported previews and permitted downloads.

### Verification

Verifier, date, remarks and resubmission workflow; completion status on the associated profile.

### Access

Owner and role-based access; secure server-side document storage in the production implementation.

# People and assessment.

Detailed functional coverage for the college-management modules named in the tender summary.

## 05 HR and Staff

### Employee directory

Employee IDs, profiles, qualifications, experience, department, designation and reporting manager.

### Employment records

Joining dates, employment status, supporting documents and department-wise headcount.

### Attendance

Daily and monthly views; Present, Absent, Late and On Leave; authorized correction controls.

### Leave

Leave types, dates, reasons, approval or rejection, approver remarks and overlapping-date checks.

### Reporting

Onboarding, employee directory, attendance and leave reports with applicable CSV exports.

## 06 Examination

### Scheduling

Exam type, year, course, semester, subject dates, times, duration and venues with conflict checks.

### Registration

Eligible student lists, subject registration, registration status and scheduled-exam mapping.

### Marks entry

Maximum and passing marks, range validation, draft capture, completion tracking and finalization controls.

### Result governance

Configured grade boundaries, totals, percentages, pass/fail, missing-mark checks and authorized publication.

### Student outcomes

Own semester-wise results and printable mark sheets; course and subject performance reports.

# Insight and resolution.

Detailed functional coverage for the college-management modules named in the tender summary.

## 07 Reports and Analytics

### Executive visibility

Enrollment, admissions, attendance, examination outcomes, grievances and external fee summaries.

### Department reports

Student directories, document checks, employee records, leave, registrations and synchronization history.

### Relevant filters

Academic year, dates, department, course, semester, student/employee, category and status.

### Presentation

KPI views, trends, searchable and sortable tables, pagination and clear applied-filter indicators.

### Exports

CSV downloads and printable views, limited to the records permitted for the user role.

## 08 Grievance Redressal

### Submission

Unique case ID, category, title, description, priority, submission time and associated user.

### Case management

Officer assignment, investigation notes, internal remarks, status timeline and documented outcomes.

### Lifecycle

Submitted > Assigned > In Progress > Resolved > Closed; escalation tracked separately.

### Escalation

Configured deadlines, overdue flags, escalation reasons, timestamps and authorized resolution.

### Privacy and reporting

Restricted sensitive details; own-case tracking, workload, categories and resolution-time analytics.

# A workspace for every role. Control across every module.

Dashboards, access governance, notifications and configuration turn the module suite into one coherent ERP.

## 01 / DASHBOARDS

### Role-specific insight and action.

Administrator: institutional KPIs, pending approvals and integration health. Registrar: applications, verification and enrollment. Faculty: timetable, attendance and marks. Student: own records, fees and cases. HR: employees and leave. Examination Controller: registrations and publication. Grievance Officer: assigned, overdue and escalated cases.

## 02 / USERS & ROLES

### Permissions with institutional context.

User creation, activation and deactivation; role and department assignment. Centrally configured view, create, edit, approve, publish and export permissions, enforced by backend authorization in production. Sensitive complaints and personal records remain restricted.

## 03 / NOTIFICATIONS & SETTINGS

### Relevant alerts. Configurable rules.

Notification centre, unread counts, timestamps and record links. Institution profile, academic calendar, attendance thresholds, grading, leave approvals, grievance categories, escalation rules and delivery preferences.

Across modules: permitted search, filters, sorting, pagination, validation, status indicators, confirmation controls, activity history, CSV export and responsive layouts.

# Connect the existing systems. Keep records in context.

The existing fee-management system remains the financial source of record, connected through its REST API.

## FEE MANAGEMENT INTEGRATION

### Student and administrative fee views.

Total fees, paid amount, outstanding balance and payment status; transaction dates, references and available receipts. Administrative filters by year, department, course and payment status; outstanding summaries, collection views and synchronization-error records.

#### Fee REST API

Mapped student IDs, connection status, refresh and last successful synchronization.

#### Email / SMTP

Sender configuration, notification categories, delivery history and test connection.

#### Biometric attendance

Provider/device status, received records, sync timestamps and failed records.

#### SMS gateway

Provider and sender configuration, notification categories and delivery status.

#### Payment gateway

Provider status, transaction references, success/failure and synchronization status.

Integration health: Connected, Disconnected, Configuration Required and Sync Error. Production credentials are protected on the server. Financial changes and payment initiation follow the agreed API and gateway scope.

# Built for institutional access. Ready for deployment planning.

The tender calls for a Web + Mobile College Management System with local-server development and a cloud-integration option.

## WEB + MOBILE DELIVERY

### **Access across desktop, tablet and mobile.**

Role-specific academic, administrative and student workflows across web and mobile delivery. Responsive browser access supports smaller screens; the mobile application, supported operating systems and parity of workflows are defined in the implementation plan.

## DEPLOYMENT & CAPACITY

### **Local control. Cloud integration option.**

Development and deployment on the GIMS local server, with a cloud-integration option. The delivery scope must accommodate 1,500-5,000 students without additional student-capacity charges, with performance and access checks in acceptance testing.

## SOURCE OWNERSHIP & TECHNOLOGY

### **Institutional ownership and maintainability.**

GIMS ownership of source code, with source and documentation handover. Tender-compatible backend: PHP/Laravel, Node.js or Django; frontend: HTML5, CSS3, JavaScript, React or Vue; database: MySQL or PostgreSQL. Final stack and deployment architecture are agreed during design.

Production controls: secure authentication, server-side validation and authorization, persistent databases, protected documents and credentials, backups and recovery planning.

# A complete delivery lifecycle. A supported institution.

Development, implementation, deployment, training, ongoing software support and maintenance are integral to the tender scope.

## Discover and design

Confirm institutional rules, workflows, data sources, API contracts and acceptance criteria.

## Develop and integrate

Implement modules, production storage, permissions and provider connections.

## Test and deploy

Execute QA, integration and capacity checks; institutional UAT and local-server rollout.

## Train and hand over

Role-based training, operating documentation, source code and deployment handover.

## Support and maintain

Dedicated/toll-free support number, escalation matrix, maintenance and change handling.

## PROJECT DOCUMENTATION

# Make delivery concrete and reviewable.

Execution plan; Gantt chart and milestones; architecture; database schema; QA/testing plan; change-management process; maintenance and support plan.

Delivery-team coverage: Project Manager, Project Lead, developers, DBA, UI/UX, QA/testing, system/network administration and technical documentation. Staffing quantities and support commitments belong in the formal technical proposal.

# Care. Learning. Operations. Connected.

The connected college ERP suite is complemented by active hospital operations, telehealth and AI-assisted workflow modules.

## 01 Medical & Nursing College ERP

ACTIVE MODULE

---

## 02 Hospital Operations

ACTIVE MODULE

---

## 03 Telehealth

ACTIVE MODULE

---

## 04 AI-assisted Workflows

ACTIVE MODULE

---

# One connected healthcare institution.

The hospital, telehealth and AI modules extend the product offering. Their detailed feature catalogue and interfaces should accompany the technical demonstration; they do not replace any college ERP requirement.