



Care. Learning. Operations. Connected.

Medical education ERP and connected institutional workflows



8 core modules | 40 functional areas

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THE CONNECTED FOUNDATION

One institutional view.

Connect academic delivery, administration, people and student services through shared records and accountable hand-offs.



Continuity

Carry the application, verified documents and academic history into the next workflow.

Control

Define roles, departmental access and authority to view, edit, approve, publish and export.

Visibility

Track pending decisions, incomplete records, overdue cases and integration exceptions.

8 modules. 40 functional areas.

The count describes five functional areas within each core module. It does not mean 40 separate modules. Specialised clinical, learning and campus-service workflows are scoped separately.

CORE ERP CATALOGUE

Learning & enrolment.

Five functional areas per module. Validate selected workflows and permissions in a demonstration.

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.

Catalogue coverage; production configuration, acceptance checks and delivery scope are agreed with the institution.

CORE ERP CATALOGUE

Institutional control.

Five functional areas per module. Validate selected workflows and permissions in a demonstration.

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.

Catalogue coverage; production configuration, acceptance checks and delivery scope are agreed with the institution.

CORE ERP CATALOGUE

People & assessment.

Five functional areas per module. Validate selected workflows and permissions in a demonstration.

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.

Catalogue coverage; production configuration, acceptance checks and delivery scope are agreed with the institution.

CORE ERP CATALOGUE

Insight & resolution.

Five functional areas per module. Validate selected workflows and permissions in a demonstration.

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.

Catalogue coverage; production configuration, acceptance checks and delivery scope are agreed with the institution.

MEDICAL EDUCATION WORKFLOWS

Learning through practice.

Clinical training connects placements, supervised activity, learning evidence and authorised review.



01

Plan

Department & cohort



02

Participate

Supervised activity



03

Document

Learning evidence



04

Review

Supervisor sign-off

Resolve gaps before completion.

Agree posting dates, supervisor ownership, logbook templates and competency criteria. Scope practical stations, viva schedules and assessment evidence alongside examination records.

Use de-identified learning records where possible. Educational access does not automatically permit access to identifiable patient records. Clinical workflows require an agreed scope.

LEARNING & CAMPUS SERVICES

Beyond the classroom.

Prioritise additional services around institutional demand and the systems already in use.

Learning & mentoring

Course materials, assignments, cohort links and mentoring records. Agree which LMS owns content and grades.

Library & e-resources

Catalogue, journal access, borrowing and clearance information; assess links to the existing library system.

Hostel & transport

Room allocation, occupancy, routes and linked charges with a named service owner.

Scholarships & certificates

Applications, supporting documents, concessions and reviewed certificate requests; financial adjustments stay with the authorised system.

Faculty & research

Teaching and supervision workload, publications and project references with clear evidence ownership.

Feedback & inspection evidence

Structured feedback, confidential student support, document owners and reviewable evidence packs. Reporting does not certify accreditation.

Additional services require agreed configuration, integration or development; confirm availability and acceptance tasks before rollout.

CONNECTED HEALTHCARE & AI

Assist the task. Keep people responsible.



Hospital coordination & telehealth

Organise encounter context, referrals, hand-offs, specialist review and follow-up tasks when included in the agreed scope. Confirm the hospital system, vendor interfaces and clinical permissions. College ERP should not be assumed to replace a hospital information system or EMR.

01

Inputs

Authorised records



02

AI draft

Checks & summaries



03

Review

Responsible person



04

Action

Approval & history

Document checks | Institutional assistant Care-summary drafts | Follow-up coordination

Illustrative AI use cases. Outputs require human review; diagnosis, prescribing and treatment decisions remain with qualified clinicians.

INTEGRATION BLUEPRINT

Connect with purpose.

A reliable exchange needs identity mapping, a clear source of truth and visible exception handling.

01

Source

Authoritative system

>

02

Map

IDs & approved fields

>

03

Exchange

API & permissions

>

04

Review

Sync & exceptions

Fee REST API

Balances, paid and outstanding amounts, references and permitted receipts. The existing fee system remains the financial source of record.

Email / SMTP & SMS

Sender and provider configuration, notification categories, delivery history and connection checks.

Biometric attendance

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

Payment gateway

Transaction references, success/failure status and agreed payment-initiation scope.

LMS, library & teaching hospital

Assess student/course mapping, limited learning or clearance data, clinical permissions and vendor support.

Track Connected, Disconnected, Configuration Required and Sync Error states. Protect production credentials on the server. Refresh frequency and live connections depend on provider support.

DEPLOYMENT, ADOPTION & SUPPORT

Prove the workflow. Then widen the rollout.



Five implementation priorities

- 01** Validate all eight core ERP workflows and permissions.
- 02** Connect clinical postings and supervised logbooks.
- 03** Assess LMS and library connections.
- 04** Organise practical assessment and evidence packs.
- 05** Add the campus services the institution needs.

Delivery commitments to agree

Web + mobile scope; institutional server with cloud option; 1,500-5,000 student capacity without additional student-capacity charges in the tender scope; institutional source ownership and handover. Final backend, frontend and MySQL/PostgreSQL database choices are agreed during design.

Discovery, development, QA/UAT, migration checks, role-based training and documentation. Define backups, restore testing, escalation and support hours; the tender scope includes at least one year of post-deployment support. Agree execution plan, Gantt milestones, architecture, database schema and maintenance plan.

FREQUENTLY ASKED QUESTIONS

Start with clarity.

Is this a complete hospital system?

Do not assume the college ERP replaces HIS or EMR. Hospital, telehealth and clinical-learning functions need separate scope and demonstration.

Are all integrations live?

A live connection depends on vendor APIs, credentials, identity mapping, permissions and agreed delivery scope.

Can records be migrated?

Review sample exports, map fields, clean duplicates and agree validation responsibilities before production import.

How are AI outputs controlled?

Use authorised inputs and human review. Confirm quality checks, access, retention and review ownership before deployment.

What are the cost and timeline?

Both depend on workflows, migration, integrations and infrastructure. Request an itemised proposal and staged acceptance milestones.

How will value be measured?

Capture a baseline for decision time, reporting effort, case closure, sync exceptions and AI review effort; compare after the pilot. No preset savings are assumed.

Build around your institution's priorities.

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Education and healthcare photographs are AI-generated illustrations of Indian settings, not actual clients, staff or patient encounters. Scope and availability are confirmed during implementation.