

XERPIUM

University

Enterprise Resource Planning

Complete integrated ERP solution for
university industry

2000+

MODULES

AI

ASSISTANT

SaaS

/ ON
PREMISE

English Edition — brosur.xerpium.com

Enterprise-Grade Education Ecosystem

XERPIUM UNIVERSITY is a higher education module ecosystem built on XERPIUM 18 — covering Academic Structure, Student Lifecycle, Course Management, Lecturer Management, Thesis Tracking, Tuition Billing, Room Management, Grading & GPA, and Dashboard Analytics.

Fakultas (uni.faculty)

Faculty Name — Faculty name, unique code, sequence

Dean Assignment — Dean, Vice Dean, Secretary from hr.employee

Department Count — Automatically count number of study programs

Mail Tracking — Thread & activity mixin for collaboration

Study Program (uni.department)

Degree Level — S1, S2, S3, D3, D4 (configurable)

Accreditation — A/B/C/Unranked with history tracking

Kaprodi — Head of Department assignment

Vision & Mission — Study program vision, mission, and achievements

Academic Year (uni.year.ajaran)

Academic Year — Example: 2025/2026 with code 2526

Status Workflow — Draft → Active → Closed

Date Range — Start date & end date with validation

Semester Integration — One2many to odd/even/short semesters

Semester (uni.semester)

Semester Type — Odd, Even, Short

KRS Period — KRS registration start & end date

Academic Calendar — Event calendar per semester

Active Flag — is_active for the current semester

Student (uni.student)

NIM — Unique Student ID Number per company

Biodata — Name, photo, gender, religion, place/date of birth

Parent Info — Parent/guardian name & phone

Status — Active, Inactive, Graduated, Withdrawal, Frozen, Expelled

Cohort — Cohort by year of entry

IPK & SKS — Real-time cumulative GPA and total credits

KRS (uni.enrollment)

Course Selection — Select courses per semester

Total SKS — Auto-calculated from enrollment lines

Workflow — Draft → Submitted → Approved → Rejected

Section Assignment — Select class (course section)

Prerequisite Check — Prerequisite course validation

Grades & GPA (uni.grade.scale / uni.course.grade)

Grade Scale — A, B+, B, C+, C, D, E on a 4.0 grade point scale

Score Components — Midterm 30%, Final 40%, Assignments 20%, Participation 10%

Auto Grade — Grade letter & points automatically from total score

KHS — Study Result Card with semester & cumulative GPA

Transcript — Study results grouped by semester

Thesis (uni.thesis)

Lifecycle — Proposal → Ongoing → Submitted → Defended → Graduated

Advisor — Thesis Advisor I & II with advisor type

Progress Tracking — Progress % with notes per meeting

Defense Panel — Thesis defense with examiner panel and room

Dynamic Stages — Workflow configurable via xerpium_dynamic_stage

Course (uni.course)

Course Code — Unique code per course

SKS — 1-6 credit hours, lecture/lab/tutorial hours

Category — Compulsory, Elective, General

Prerequisites — Many2many prerequisite courses relation

Course Section — Classes per semester with capacity & schedule

Lecturer (uni.lecturer)

NIDN/NIP — National Lecturer & Employee ID Number

Lecturer Type — Permanent, Contract, Guest

Teaching Load — Teaching load per semester, maximum credit hours

Advisor — Academic advisor lecturer for academic guidance

Current SKS — Credit hour load computation for the active semester

Class Schedule (uni.schedule.line)

Day & Time — Monday-Saturday, start/end time Float

Room Assignment — Rooms with conflict detection

Section Link — Linked directly to course section

Integrated Calendar — Sync with XERPIUM calendar

Academic Calendar (uni.academic.calendar)

Events by Semester — Course Registration (KRS), Midterm, Final, Holiday, Graduation

Date Validation — Automatic validation range per semester

Color Coding — Visual event types for calendar

Notification — Event reminders to students & lecturers

📅 Tuition Plan (uni.tuition.plan)

Payment Type — Per credit hour or Flat Fee (fixed tuition)

Department Link — Plan specific to each study program

Multi Currency — Supports different currencies

Flexible Config — Amount per credit hour or flat fee

📄 Tuition Invoice (uni.tuition.invoice)

Auto Invoice — Generate tuition invoices from tuition plan

Payment Tracking — Amount paid, residual, overdue detection

Payment Methods — Bank Transfer, Cash, Virtual Account, E-Wallet

Accounting Integration — account.move auto-posts to accounting

Status — Draft → Posted → Paid / Partial / Overdue

📄 Room Management (uni.room)

Building Hierarchy — Building → Floor → Room

Room Types — Lecture Hall, Lab, Seminar, Library, Auditorium

Capacity & Equipment — Maximum capacity & equipment

Conflict Detection — Auto-check overlapping time & room bookings

Booking Types — Lecture, Event, Exam, Meeting

📄 Room Booking (uni.room.booking)

Schedule — Start datetime & end datetime with validation

Section Link — Linked to course section for lectures

Workflow — Draft → Confirmed → Cancelled

Overlap Protection — Prevent real-time double booking

Education Dashboard — Dashboard Studio

Education-specific dashboards: vit_dashboard_university & vit_dashboard_education. 19 chart types, dual data source (ORM + SQL), AI auto-generate.

AI Dashboard Features

Auto-Generate — Natural language → complete dashboard via DeepSeek

NL → SQL — Natural language → SQL query real-time

Chart Insight — AI analysis of trends, peaks, anomalies, recommendations

Copilot Chat — SSE-streamed chat with dashboard context

Conditional Formatting — Dynamic color based on value

Education Accounting Journals

Automatic journal flow from tuition invoicing to payment receipt — fully integrated with account.move.

Education Accounting Features

Auto Invoice — Generate bulk tuition invoices per semester

Multi Payment Methods — Transfer, VA, E-Wallet, Cash

Overdue Tracking — Late tuition payment detection

Reporting Period — Report per academic year / semester

Analytic Distribution — Cost center per faculty/study program

Consolidation — Multi-company for multi-campus foundations

Cross-Module Integration

Education fully integrated with the entire XERPIUM ecosystem.

University ↔ HR

Lecturers linked to hr.employee for payroll

Teaching load integration with timesheet

Lecturer contract management via HR

University ↔ Accounting

Tuition invoice → automatic account.move

Tuition payment via payment register

Budget tracking per faculty/study program

University ↔ Inventory

Asset tracking: rooms, lab inventory

Equipment management per laboratory

Book/stock library management

University ↔ CRM

New student admissions (PMB) from leads

Admission track via crm.stage

Marketing campaign per study program

University ↔ Dashboard

vit_dashboard_university — academic KPIs

vit_dashboard_education — education analytics

AI auto-generates dashboards from commands

University ↔ Portal

Student portal for online course registration (KRS) & grade reports (KHS)

Lecturer portal for grade entry

Payment portal for online tuition payment

University ↔ Email/Notification

Mail thread & activity per academic model

Automatic announcements via email

WhatsApp integration for tuition reminders

University ↔ AI Assistant

"Find student with student ID 12345678"

"Create the course registration (KRS) for this semester"

"Show the GPA of student X"

"Find an empty room on Monday at 8"

Xerpium ERP — xerpium.com

Contact us for a free demo

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Generated 2026-10-27