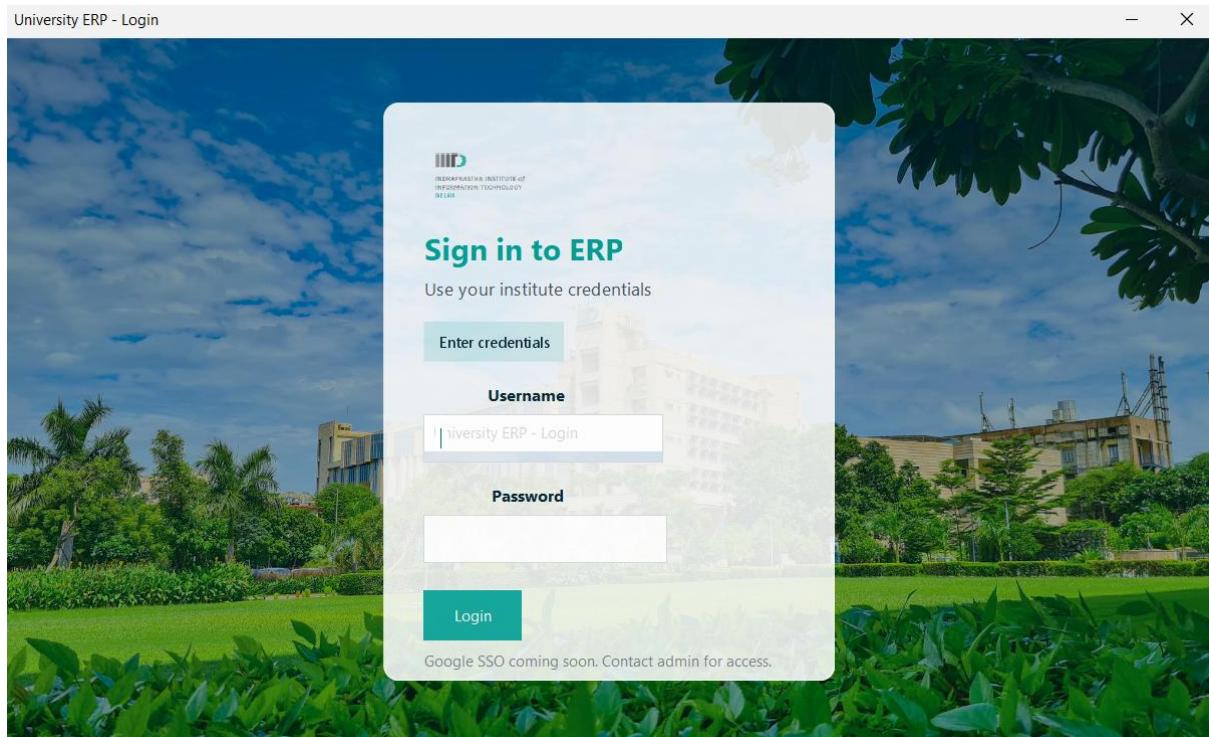


# University ERP Sample Report

## OVERVIEW & SCREENSHOTS

### 1) Login Screen:



Shows role-agnostic login, banner for errors

### 2) Student Dashboard:

A screenshot of the student dashboard titled "Student Dashboard". The top navigation bar includes links for "Home", "Catalog", "Timetable", and "Grades". The main content area has a light gray background. On the left, there's a vertical sidebar titled "Navigate" with buttons for "Home", "Catalog", "Timetable", and "Grades". The central part of the dashboard displays a welcome message "Welcome, nakul" and a note "Choose a section to get started." Below this are three teal buttons: "Go to Catalog", "View Timetable", and "Check Grades". In the top right corner is the IIID logo. At the bottom right are two small buttons: "Change Password" and "Logout".

Catalog + registrations + grades widgets

### 3) Instructor Dashboard:

The screenshot shows the Instructor Dashboard interface. At the top, there is a header bar with the title "Instructor Dashboard" and navigation links for "Home", "My Sections", "My Students", "Class Stats", and "Grade Entry". Below the header is a sidebar titled "Navigate" containing links for "Home", "Sections", "Students", "Class Stats", and "Grade Entry". The main content area features a "Welcome, sambuddho" message followed by the sub-instruction "Manage your sections and enter grades.". It includes three buttons: "My Sections" (highlighted in green), "My Students", and "Enter Grades". In the top right corner, there is a logo for "PRAGYANSHI INSTITUTE OF INFORMATION TECHNOLOGY DELHI" and two buttons: "Change Password" and "Logout".

Section list, grade entry table, final-grade calculator

### 4) Admin Dashboard:

The screenshot shows the Admin Dashboard interface. At the top, there is a header bar with the title "Admin Dashboard" and navigation links for "Home", "Users", "Courses & Sections", and "Manage". Below the header is a sidebar titled "Navigate" containing links for "Home", "Users", "Courses", and "Manage". The main content area features a "Welcome, ranjan" message followed by the sub-instruction "Manage users, courses, and system settings.". It includes three buttons: "View Users" (highlighted in green), "View Courses", and "Manage". In the top right corner, there is a logo for "PRAGYANSHI INSTITUTE OF INFORMATION TECHNOLOGY DELHI" and two buttons: "Change Password" and "Logout".

User/course/section forms, maintenance toggle

## FINAL-GRADE WEIGHTING RULE

Each section persists:

- weighting\_rule: comma-separated integers that sum to 100 (e.g. 30,30,40)
- component\_names: matching components (Quiz,Midterm,Final)

FLOW:

1. Instructor enters component scores (0–100)
2. System multiplies each score by weight/100
3. Sum populates grade\_books.final\_grade and UI label
4. Rules shown to instructor to avoid confusion

Examples (from database.sql):

- SEC-DB-001 → 30,30,40 for Quiz,Midterm,Final
- SEC-OS-001 → 20,30,50 for Lab,Midterm,Final
- SEC-HI-001 → 25,35,40 for Essay,Midterm,Final (deadline passed scenario)

## ROLES & MAINTENANCE ENFORCEMENT

### 1) ROLES:

- Auth DB (erp\_auth.auth\_users) stores username, role, password\_hash
- After login, ERP DB provides profile (students or instructors)
- AccessController enforces:
  - \* Students → only their catalog/registrations/grades
  - \* Instructors → only their sections and students
  - \* Admin → full CRUD + maintenance toggle

### 2) MAINTENANCE MODE:

- Toggle stored in erp\_data.settings (maintenance\_on)
- Admin console button flips the flag; UI banners update instantly
- When ON:
  - \* Students: register/drop disabled; read-only access with warning
  - \* Instructors: grade entry & section modifications blocked; message displayed

\* Admin: still allowed to manage data for emergency fixes

- When OFF: normal operations immediately resume

Admin Dashboard

Home Users Courses & Sections Manage

## Manage System

Add users, courses, sections, and manage maintenance mode.

Capacity:

Semester (1 or 2):

Academic Year:

Registration Deadline (YYYY-MM-DD):

Weighting Rule (e.g., 20,30,50):

Component Names (e.g., Quiz, Midsem, Endsem):

**Add Section**

Maintenance Mode

**Turn Off**

Data Utilities

**Seed 100 Demo Courses**

**Backup Courses & Sections**

**Restore Backup**

Maintenance Mode ON — read-only operations.

Student Dashboard

Home Catalog Timetable Grades

## Course Catalog

Browse every open section, see real-time capacity, and take action instantly.

Section ID	Course	Title	Credits	Instructor	Schedule	Capacity	Taken
SEC-DB-001	CS301	Database S...	4	Associate P...	MONDAY 0...	1	1
SEC-OS-001	CS302	Operating S...	4	Associate P...	WEDNESD...	40	1
SEC-HI-001	HIST101	Modern His...	3	Associate P...	FRIDAY 11...	30	1

Section	Course	My Registrations	Day	Time	Room
SEC-OS-001	CS302	Wednesday	14:00 - 15:30	LH-201	

**Message**

Maintenance mode is ON. Registration is read-only.

**OK**

Refresh Catalog Download Transcript (CSV) Drop Section Register Section

Maintenance Mode ON — read-only operations.

## DATABASE TABLE LISTS

Schema	Table	Purpose
erp_auth	auth_users	Credentials & auth metadata
erp_data	students	Student profiles tied to auth user_id
	instructors	Instructor profiles
	courses	Course catalog
	sections	Course offerings
	enrollments	Student registrations
	grade_books	Final grade per enrollment
	grade_components	Component scores per enrollment
	settings	Key/value settings (maintenance flag)

## EXTRAS & ENHANCEMENTS

Feature	Description
Backup/Restore	Admin can export/import catalog
Transcript Export	Students download CSV from grades panel
Capacity & Deadline Guards	UI + DB constraints ensure no edge cases fail
Maintenance Banner	Visual banner + disabled buttons
Testing Pack	Acceptance plan & summary documented