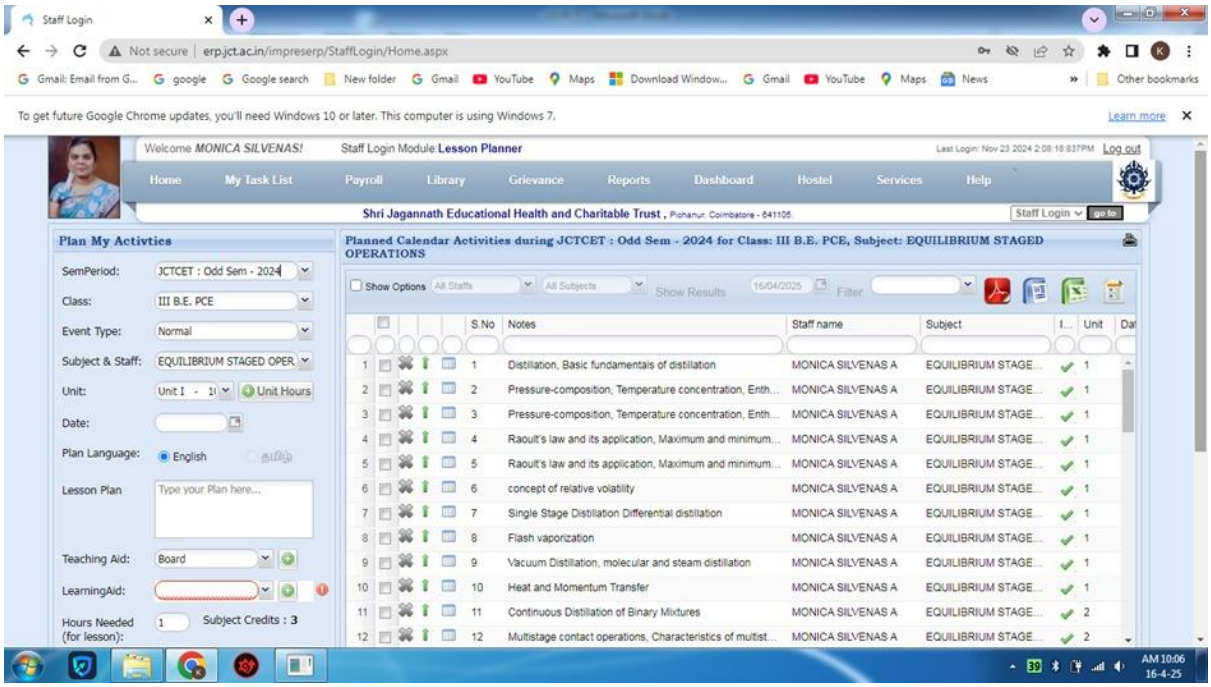
ERP SOFTWARE

ERP (Enterprise Resource Planning) software is an integrated management system used to organize and manage various academic and administrative activities within the Petrochemical Engineering Department. It helps streamline processes such as student information management, course scheduling, laboratory management, faculty workload allocation, and resource planning.



ERP systems integrate different departmental activities including academic records, laboratory equipment management, research data, and project monitoring into a single digital platform. This improves coordination between faculty members, students, and administrative staff.

In the Petrochemical Engineering Department, ERP software can support activities such as:

- Managing course materials related to petroleum refining, petrochemical processes, and reaction engineering
- Tracking student academic performance and attendance
- Managing laboratory schedules for Mass Transfer, Reaction Engineering, and Process Control labs
- Maintaining records of equipment usage and maintenance in petrochemical laboratories
- Monitoring research projects and industrial training programs

ERP systems may be cloud-based or on-premise, allowing easy access to academic resources and departmental information anytime. By providing real-time data and analytics, ERP helps

faculty and administrators make informed decisions regarding curriculum development, laboratory improvements, and student progress monitoring.

Overall, ERP software improves efficiency, transparency, and communication within the Petrochemical Engineering Department while supporting effective academic management and resource utilization.

Students

- Study the assigned materials before attending class.
- Participate actively in discussions and problem-solving sessions.

Procedure

1. The instructor provides pre-class materials such as lecture notes, process flow diagrams, and videos related to petrochemical technologies.
2. Students review these materials before attending the class.
3. Students interact with the instructor and peers to clarify doubts and deepen their understanding.

Outcome

- Gain a better understanding of complex petrochemical processes
- Improve critical thinking and problem-solving skills
- Apply theoretical knowledge to real industrial petrochemical applications