PNS School Of Engg. & Tech. Marshaghai, Kendrapara
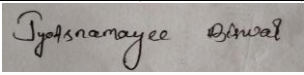# LESSON PLAN
Session (2025 -2026)

Discipline: Computer Science & Engineering	Semester 4th	Name of the faculty : Jyotsnamayee Biswal
Subject: DBMS Lab	No. of Days/Week: 02	Start Date:22/12/2025
		End Date:18/04/2026

Week	Class Day	Name of Experiment
1st	1st	Installation and Exploration of DBMS Tools •Install MySQL / Oracle / PostgreSQL •Explore DBMS interface and basic commands
	2nd	Installation and Exploration of DBMS Tools •Install MySQL / Oracle / PostgreSQL •Explore DBMS interface and basic commands
2nd	1st	To create basic databases and use that data base to the experiment
	2nd	To understand CREATE & USE commands
3rd	1st	To create tables using SQL command to the correspond database
	2nd	Insert Data into Tables to the correspond database
4th	1st	Update Records -To modify existing data
	2nd	Delete Records-To remove records from the data base
5th	1st	To Design ER Diagram – Library/Student System
	2nd	To Design ER Diagram – Employee/Inventory System
6th	1st	To convert ER diagrams to tables -Library/Student Mangement System/Employee /Inventory management system
	2nd	To implement relational schema of -Library/Student Mangement System/Employee /Inventory management system
7th	1st	Write SQL Queries with WHERE Clause-To filter records
	2nd	Write SQL Queries with ORDER BY & Sorting-To sort query results
8th	1st	Write SQL queries for JOIN Operations-To retrieve data from multiple tables
	2st	Write SQL Queries for Advanced JOIN Queries-To improve query skills
9th	1st	Database Normalization (1NF)To reduce redundancy
	2nd	Normalization (2NF, 3NF)-To remove anomalies
10th	1st	Keys & Functional Dependencies-To identify keys and dependencies
	2nd	Transaction Management-To understand COMMIT & ROLLBACK

11th	1st	Locking Mechanisms-To demonstrate concurrency control
	2nd	User Management & Privileges-To manage DB security
12th	1st	Backup & Restore Operations-To secure database
	2nd	Revision & Practical Assessment-To evaluate learning
Jyotsnamayee Biswal		*Biswaranjan Swain*
SIGNATURE OF LECTURER		**SIGNATURE OF H.O.D**