COMPETENCY BASED LEARNING DESIGN/COMPETENCY BASED POST-TEACHING REFLECTION

YEAR – 2025 - 2026 SEMESTER - II DEPARTMENT - Department of Computer

COMPUTER COMPETENCY COURSE – Ms ACCESS (DBMS)

Topic / Unit	Competency-Based Expected Learning Outcome (Knowledge, Skill, Value, Attitude)	Assessment	Brief Description of Strategies, Aids (if any), Evaluation Process	Hours Allotted	Evaluated Outcome / Post-Teaching Reflections
Database Creation & Basic Table Design	Attaining clarity on database creation and table design concepts. Building the ability to define fields, data types, and primary keys. Encouraging systematic data organisation.	Practical Task	Demonstration using MS Access interface, guided lab practice; record verification.	4	
Data Entry & Form Design	Applying data entry techniques and form design principles. Enhancing visual organisation and user-friendly data presentation.	Practical Assignment	Hands-on form design, formatting and alignment; checklist-based evaluation.	3	
Multiple Tables & Charts	Organising data across multiple tables. Interpreting data visually using charts. Promoting analytical presentation of academic data.	Practical Task	Demonstration of chart tools, guided form integration; task evaluation.	4	
Relationships & Auto Forms	Understanding relational database concepts. Applying table relationships and auto-form generation.	Practical Task	Step-by-step relationship creation, Form Wizard usage; practical evaluation.	4	
Queries & Data Retrieval	Retrieving data using queries with conditions. Strengthening logical thinking and query formulation skills.	Practical Test	Query Design demonstration, independent practice; output verification.	4	

Teachers & Departments Database	Managing interrelated tables and extracting meaningful information. Enhancing structured data analysis skills.	Practical Assignment	Guided relationship creation, query design, form and report generation; rubric-based evaluation.	4	
Employees, Departments & Managers	Integrating multi-table databases with complex relationships. Applying conditional queries and reports.	Practical Task	Live demonstration, lab practice; assessment through queries and reports.	4	
Author–Book Database Management	Applying database design principles to real-life scenarios. Enhancing data consistency and relationship handling.	Practical Assignment	Design View and Report Design demonstration; practical evaluation.	4	
Product–Order Management System	Managing transactional databases involving products, orders, suppliers, and distributors. Promoting problem-solving and data integration skills.	Practical Project	Case-based demonstration, guided lab work; project-based evaluation.	5	