

Department of Computer Engineering
Atal Bihari Vajpayee Govt. Institute of Engineering & Technology,
Pragatinagar, Gumma (H.P) – 171202

LESSON PLAN

(for practicals)

Program Name	Computer Engineering
Subject Name	Database Management System Lab
Subject Code	ITPC208
Semester	4th
Subject Teacher Name	Er. Sweety Rangta

Evaluation Scheme

Sr. No.	Subject Name	Study Scheme (Hrs/Week)		Marks in Evaluation Scheme	
		Th	Pr	Internal Assessment	External Asement
1	Database Management System Lab	-	4	40	60

Course Outcomes (COs):

After completing this course the students will be able to practically demonstrate the following experiments related to database management.

References Books

Sr.no	Reference
1.	https://www.w3schools.com/sql/sql_syntax.asp
2.	https://www.w3schools.com/sql/sql_syntax.asp
3.	https://www.youtube.com/watch?v=Tdl7CGnhPeA&t=366s

Experiment Performing Plan

Sr. No.	Experiment	Proposed Dates		Actual Dates		Remarks
		Group 1 (Friday & Saturday)	Group 2 (Monday & Thursday)	Group 1 (Friday & Saturday)	Group 2 (Monday & Thursday)	
1	Install and configure MySQL database server on Windows or Linux.	30 Jan, 31 Jan	29 Jan, 5 Feb			
2	Create database tables with different data types, widths, and precisions.	6 Feb, 7 Feb	9 Feb, 16 Feb			
3	Alter existing database tables (add/delete columns, change names, data types, widths).	20 Feb, 21 Feb	23 Feb, 26 Feb			
4	Apply integrity constraints - PRIMARY KEY, NOT NULL, UNIQUE, CHECK, FOREIGN KEY.	27 Feb, 28 Feb	2 Mar, 5 Mar			
5	Insert data in a table having columns of different data types (INSERT statement).	6 Mar, 7 Mar	16 Mar, 19 Mar			
6	View data using SELECT with WHERE, HAVING, ORDER BY, GROUP BY clauses.	20 Mar, 21 Mar	23 Mar, 26 Mar			
7	Demonstrate join operations (LEFT, RIGHT, INNER JOIN).	27 Mar, 28 Mar	30 Mar, 2 Apr			
8	Demonstrate at least 10 SQL row functions in queries.	17 Apr, 18 Apr	20 Apr, 23 Apr			
9	Demonstrate SUM, MAX, MIN, COUNT functions and HAVING, GROUP BY clauses.	24 Apr, 25 Apr	27 Apr, 30 Apr			
10	Case Study: Student Database – Identify entities, create E-R diagrams, normalize, create tables, apply constraints, insert/delete/query data.	22 May, 23 May	18 May, 21 May, 25 May			

Signature of Course Teacher with Name

Sweetly Ranga

Approved By

Ranga
OIC/HOD/Principal