

## Department of Liberal Education Era University, Lucknow Course Outline

Effective From: 2023-24

Name of the Program	B.A. / B.Sc. (LIBERA	AL EDUCA	TION)	Year/ Semester:	2 <sup>nd</sup> /3 <sup>rd</sup>	2 <sup>nd</sup> /3 <sup>rd</sup>			
Course Name	Data Base Management Systems Lab	Course Code:	CS201P	Type:	Practic				
Credits	(	)1		Total Practical Hours	:	30			
Evaluation Spread	Internal Continuous Assessment:	10 N	<b>Iarks</b>	End Term Exam:	15	Marks			
Type of Course	C Compulsory		;	C Creative	0	C Life Skill			
Course Objectives	<ul> <li>To explain basic database concepts and how to implement the DDL and DML commands in SQL.</li> <li>To practice the designing, developing and querying a database.</li> <li>To develop an understanding of essential DBMS concepts such as joins, union, intersection and also concept of sub-query, Data constraints.</li> <li>To demonstrate the concept of creating Views, Indexes and Introduction to PL/SQL</li> </ul>								
Course Outcomes (CO): After the successful course completion, learners will develop following attributes:									
Course Outcome (CO)	Attributes								
CO1	Able to create and alter databases, tables and writing a query using SQL DML/DDL commands.								
CO2	Able to design and implement a database schema for given problem.								
CO3	Able the normalization techniques for development of application software to realistic problems.								
CO4	Able to formulate queries using SQL DML/DDL/DCL commands.								
Pedagogy	Interactive, discussion-based, student-centered, program outputs.								
Internal Evaluation Mode	Experiment-Writing and Conductance File Maintenance/ Laboratory Record Continuous Attendance and Participation								
Practical No.		Experiments Contact Mapped Hours CO							
1.	Student_Na and insert a Table with I  Create a Tal Item_qty,Ite following qua. Find Item_name b. Find the Items v	Student_Name, Father's Name, Branch, Section, Year) and insert a minimum 10 records in this Student_records Table with Primary Key (Student_RollNo).							
2.	Given a Table Department_Information:     6								
	Department_I   Department_Na   Department_Locat								

	D	me	ion									
	101	MCA	AA									
	102	MBA	CC									
	103	B. Tech	BB									
	104	B. Pharma	DD									
	105	B. Arch	FF									
	106	BCA	GG									
	Fig. 4 4b a 6a11											
		owing query in SQL	: t, B.Pharma from DI	) to								
	a. Change the Loc MM.											
		Delete a Record form this table which has										
	Department Loc	1140										
	c. Add a Column D											
	e. Delete a column	d. Add a Column Department_Address in this table e. Delete a column Department Location from this table.										
	Create a Table	Employee_info:										
	(Emp_id,Emp_Name	e,Emp_City,Emp_Co	ontact_No,Emp_Salar	ry,E								
	mp_Designation)											
		Find the following query in SQL:										
	f. Find the name at											
	~	Find the name of the employee whose name starts from the alphabet 'A'.										
	h. Find the name of	han										
	50000.											
	i. Find the name of	DA'										
	city.											
	j. Find the name of	- · ·										
3.		• Create a Table Employee_Salary:  6 CO3										
		mp_id,Emp_Name,Emp_Salary,Emp_Designation)										
		Find the following query in SQL: Find the name of employee which is getting minimum salary										
	<ul><li>a. Find the name of</li><li>b. Find the name</li></ul>											
	salary											
	<u> </u>											
	10000.	1 5										
	d. Find the name of											
	e. Find the Total Sa											
	• Create three re	• Create three relation:										
	. –	mp_detail (Emp_id, Emp_name, Emp_street, Emp_city), Works										
	·	Emp_id, Company_id, Salary) ocated_in (Company_code, Company_name, Company_city)										
	Write the Fo f. Name of the en											
	"HCL".											
	located at "Sahar											
	h. Name of employ											
1												

4.		Write a Program to Create, update, drop, and alter view								ew	6	CO2, CO4		
		Operation.												
		•	Prog	ram in	SQL	to imp	olement	the C	Concept	of D	ata			
			cons	Program in SQL to implement the Concept of Data constraints (Unique Key, Primary Key, Foreign Key).										
5.		•	Intro	duction	to PL/	SOL.						8	CO3	, CO4
						_	L to pri	nt 1 to	10 usir	ng a wh	ile			
	• Write a Program in PL/SQL to print 1 to 10 using a while loop.													
			•		oram i	n PL/S	QL to f	ind our	t the sc	illare o	fa			
			numl		grain i		QL 10 1	ma ou	i ilio be	luare o				
		L											1	
CO-PO and PSO Mapping														
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	1	2		1		3	3	2	2	2	2	2	3	1
CO2	1	3	1	1	1	1	1	2	1	2	1	1	2	3
CO3	2	1	1	1	1	2.	2	2.	2	3	3	3 2	2	2
Strong contribution-3, Average contribution-2, Low contribution-1,														
	sted Re			<u> </u>										
Refere		1.		base S	ystem (	Concept	ts, Silbe	rschatz	, Korth	, McGı	aw hill	, USA,	6th edi	tion,
Books			2011			1	,		,	,		, ,		,
		2.	Elma	sri, Na	wathe,	Fundan	nentals	of Data	base S	vstems	, Addis	on Wes	slev.	
E-	<ul> <li>Elmasri, Nawathe, Fundamentals of Database Systems , Addison Wesley.</li> <li>https://archive.nptel.ac.in/courses/106/105/106105175/</li> </ul>													
11000000				archive.nptel.ac.in/courses/106/106/106106220/										
Internal Practical Evaluation:														
Component Marks														
Experiment-Writing and				5										
Condu														
File Maintenance/				2	2									
Laboratory Record				-										
Continuous Attendance and				1										
				1										
	Participation			12	2									
Viva-Voce				_										
Total l	Viarks			10										

Course created by: Dr. Mohd Haleem	Approved by: Prof. Mansaf Alam					
Signature:	Signature:					