Nama	of Faculty	• Privanka	DissiplinarComputer		
Name of Faculty:Priyanka Semester:4th			Discipline:Computer Subject:Data Base Management System		
LESSON PLAN DURATION : - 15 weeks (from Jan-2019 to May- 2019)				WORK LOAD (LECTURE/PRACTICAL) PER WEEK (IN HOURS):- LECTURE-03, PRACTIACL-03	
		Theory		Practical	
weeks	Lectures/				
	hrs	Topics(including assisgnments & test)		Experiments	
1	1	Database Systems; Database and its purpose, Characteristics of the database approach,			
			2	Exercises on creation and modification of structure of	
			3	tables.	
	2	Advantages and disadvantages of database systems. Classification of DBMS Users;			
	3	Actors on the scene, Database Administrators, Database Designers, End Users,			
	4	System Analysts and Application Programm	ners,		
			1	Revision on practical	
			3	performed	
2	5	Workers behind the scene (DBMS system designers and implementers,)			
	6	tool developers, operator and maintenance			
	7	Data models, schemas, instances, data base	state.		
			1	Exercises on inserting and	
,			2	deleting values from tables	
3		DBMS Architecture; The External level, The	3		
	8	conceptual level, The internal level,			
	9	Mappings between levels of data model			
	10	Data Independence; Logical data			
		Independence, Physical data Independence.			
			2	Revision on practical performed	
4			3	periorined	
	11	Database Languages			
	12	Database Interface			
5	13	Classification of Database Management Systems- Centralized, Distributed,			
			1	Exercises on querying the table	
			2	(using select command).	
		Classification of Dotale, A4	3		
	14	Classification of Database Management Systems:parallel and object based.			
	15	Assignment Ist			
6	16	Sessional Ist			
			1	Revision on practical	
			2	performed	
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	17 18	Data Models Classification; File based or primitive , traditional data models, semantic data models.	inodels		
7	10	·	\vdash		
	19	Entities and Attributes, Entity types and Entity sets, Key attribute and domain of attributes,		Devision on greatical	
			2	Revision on practical performed	
			3	periorineu	
	20	Relationship among entities, Database design with E/R model.			
	21	Relational Model Concepts: Domain, Attributes, Tuples cardinlity,			

	22	keys(Primary, Secondary, foreign, alternative		
	22	keys) and Relations.		
8			1	Exercises on using various
			2	types of joins.
			3	1
		Relational constraints and relational	<u> </u>	
	23	database schemes; Domain constraints,		
	23	Key constraints and constraints on Null.		
		Relational databases and relational	 	
	24			
		database schemes,	<u> </u>	
	25	Entity integrity, referential integrity		
9			1	Revision on practical
			2	performed
			3	
	26	foreign key. Comparison b/w E/R model		
	26	and Relational model.		
	27	Assignment 2nd		
	28	Sessional 2nd		
		1	1	
			2	1
10			3	1
	29	Trivial and non-trivial dependencies	ا	
	30	Non-loss decomposition and functional dep	andar	naios
			l	letes,
	31	Normalization: ist , 2nd	<u> </u>	Francisco de visiono francisco
			1	Exercises on using functions
11			2	provided by database package.
			3	
	32	Normalization: 3rd,Bcnf		
	33	Denormalization		
	34	Database Access and Security:Introduction		
	34			
			1	Revision on practical
12			2	performed
			3	1
	35	Creating and using indexes		1
	36	creating and using views	 	
	37	Database security, process controls,	 	
		7/1	1	Exercises on commands like
			2	Grant, Revoke, Commit and
13			<u> </u>	Rollback etc
			3	Nonback etc
	38	database protection, Grant and revoke		
	39	MYSQL/SQL (Structured Query Language)	
	40	SQL DDL AND DML Commands	<u> </u>	<u> </u>
			1	Revision on practical
			2	performed
14			3	
	41	Database Security and Privileges, Grant and	Revo	oke Command
		Maintaining Database Objects, Commit and		
	42	Rollback, various types of select commands,	I	
	74	various types of joins, sub query, aggregate functions.		
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		Challenges of My SQL. Introduction to		
	43	Big Data. Understanding Big Data with	1	
		samples.	<u> </u>	
15			1	Design of database for any
1			2	application.
			3	
	44	Assignment 3rd		
i 1	45	Sessional 3rd		
I	45			