BALASORE SCHOOL OF ENGINEERING, BALASORE

LESSON PLAN/SEMESTER: -4TH/CSE

THEORY-4

SUBJECT: -DBMS   NAME OF THE FACULTY: - P. K. GIRI

SL. No.	Month /No. of academic days available for the subject	Chapter	DATE	TOPICS TO BE COVERED	No. of class Available As per Syllabus	No. of class Available As per lesson plan
01	FEBRUARY/07	CH-1	22/02/23	**1.0 BASIC CONCPETS OF DBMS**	05	05
			23/02/23	1.1 Purpose of database Systems		
			24/02/23	1.2 Explain Data abstraction		
			25/02/23	1.3 Database users		
			27/02/23	1.4 Data definition language 1.5 Data Dictionary		
02	MARCH/23	CH-2	28/02/23	**2.0 DATA MODELS** 2.1 Data independence	08	08
			29/02/23	2.2 Entity relationship models		
			01/03/23	2.3 Entity sets and Relationship sets		
			02/03/23	2.4 Explain Attributes		
			06/03/23	2.5 Mapping constraints		
			09/03/23	2.6 E-R Diagram 2.7 Relational model		
			10/03/23	2.8 Hierarchical model 2.9 Network model		
			11/03/23	**REVISON**		
		CH-3	13/03/23	**3.0 RELATIONAL DATABASE**	06	05
			14/03/23	3.1 Relational algebra		
			15/02/23	3.1 Relational algebra		
			16/03/23	3.2 Different operators select, project, join , simple Examples		
			17/03/23	3.2 Different operators select, project, join , simple Examples		
		CH-4	18/03/23	**4.0 NORMALIZATION IN RELATIONAL SYSTEM**	06	06

SL. No.	Month /No. of academic days available for the subject	Chapter	DATE	TOPICS TO BE COVERED	No. of class Available As per Syllabus	No. of class Available As per lesson plan
			20/03/23	4.1 Functional Dependencies		
			21/03/23	4.2 Lossless join		
			22/03/23	4.3 Importance of normalization		
			23/03/23	4.4 Compare First second and third normal forms		
			24/03/23	4.5 Explain BCNF		
		CH-5	25/03/23	**5.0 STRUCTURED QUERY LANGUAGE**	09	09
			27/03/23	5.1 Elementary idea of Query language		
			28/03/23	5.2 Queries in SQL		
			29/03/23	5.2 Queries in SQL		
			30/03/23	5.2 Queries in SQL		
			31/03/23	5.3 Simple queries to create, update, insert in SQL		
			03/04/23	5.3 Simple queries to create, update, insert in SQL		
			04/04/23	5.3 Simple queries to create, update, insert in SQL		
			05/04/23	**REVISON**		
03	APRIL/14	CH-6	06/04/23	**6.0 TRANSACTION PROCESSING CONCEPTS**	08	07
			10/04/23	6.1 Idea about transaction processing		
			11/04/23	6.2 Transaction & system concept		
			12/04/23	6.3 Desirable properties of transaction		
			13/04/23	6.3 Desirable properties of transaction		
			24/04/23	6.4 Schedules and recoverability		
			25/04/23	**REVISON**		
		CH-7	26/04/23	**7.0 CONCURRENCY CONTROL CONCEPTS**	08	05
			27/04/23	7.1 Basic concepts,		

SL. No.	Month /No. of academic days available for the subject	Chapter	DATE	TOPICS TO BE COVERED	No. of class Available As per Syllabus	No. of class Available As per lesson plan
			28/04/23	7.2 Locks, Live Lock, Dead Lock,		
			29/04/23	7.3 Serializability (only fundamentals)		
			01/05/23	REVISON		
04	MAY/06	CH-8	05/05/23	8.0 SECURITY AND INTEGRITY 8.1 Authorization and views	08	05
			06/05/23	8.0 SECURITY AND INTEGRITY 8.1 Authorization and views		
			08/05/23	8.2 Security constraints		
			09/05/23	8.3 Integrity Constraints 8.4 Discuss Encryption		
			10/05/23	REVISON		

Brief Summary of the Plan

Slno	Month	Units/Chapter To be Covered	Percentage of Coverage
1	FEBRUARY	Chapter-1,2.2	25%
2	MARCH	Chapter-2,3,4,5	40%
3	APRIL	Chapter-6,7	25%
4	MAY	Chapter-8	10%

Signature of the Faculty
Date 20/02/23

Signature of the Principal
Date 20/02/23