University of Engineering and Technology Lahore - New Campus (Kala Shah Kaku)
Section Course Outline Report

Department: Computer Science (KSK)   **Printed Date:** January 20, 2023

Section Course Detail	
Semester	SPRING 2023
Department	Computer Science (KSK)
Section	C
Subject Title	CS-262L Database Systems
Subject Domain	Non-Engineering
Subject Knowledge	Computing
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Measureable Student Learning Outcomes

CLOs	Description	PLOs	Domain	Domain Level	Assessments
CLO1	Construct DML queries to retrieve and store data in different relations	PLO05	Cognitive	3. Apply	null
CLO2	Construct DDL queries to manage relations, constraints and indexes	PLO05	Cognitive	3. Apply	null
CLO3	Produce physical model from conceptual design methods	PLO05	Cognitive	3. Apply	null
CLO4	Develop project to solve real world problem using ERM	PLO03	Cognitive	3. Apply	null

Class Timings

Section Content		
Week (Lec)	Topics	CLO's
week1	Comparison of DBS with FBS	CLO2

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Week (Lec)	Topics	CLO's
week2	Introduction and installation of SQL	CLO2
week3	DDL statements in SQL server, create, alter and drop commands in sql server	CLO2
week4	SQL server data types, use of DDL and DML statements. SQL Basics-DML (Constraints, PK, FK, Select)	CLO1
week5	Joins	CLO1
week6	Aggregate functions, Operators, Nested queries	CLO1
week7	Store procedure	CLO1
week9	Views. (Simple and parametric view and different operation on data using views)	CLO1
week10	Triggers (Creation, modification and deletion of simple and parametric triggers)	CLO1
week11	Entity Relationship Diagram	CLO3
week12	Enhanced Entity Relationship Diagram	CLO3

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Week (Lec)	**Topics**	**CLO's**
week13	XML / Normalization	CLO3
week14	XML / NoSQL (MongoDB)	CLO3
week15	Project	CLO4