

Course Title: Database Management System Laboratory Course Code: CSE238

Level/Term: 2/2 Section: C, D, ACredit: 1.5 Contact Hours: 3 hours/weekPrerequisite: None Type:

Core Session: FALL 2023

Instructor: Jannathul Maowa Hasi, Lecturer, Dept. of CSE, PU.

Class schedule: A: Monday (8:30 – 11:30 AM);

C: Tuesday (2:30 – 5:30 PM);

D: Sunday (8:30 – 11:30 AM);

Counseling Time: A: Tuesday (11:30 AM – 12: 30 PM) C: Tuesday (12:30 PM – 1: 30

PM)

D: Wednesday (2:30 PM – 3: 30 PM)

Room No: 507

Email address: jmhasi09@gmail.com Phone No: 01772759640

Rationale:

This course is designed to introduce the concept of real-world database design through the implementation of a database-driven real-time project.

Course Objectives:

The objectives of this course are:

1. To facilitate necessary knowledge about the design of a database based on various scenarios. **2.** To develop a real-world database application.

Course Outcomes (COs):

By the end of the course, students will be able to:

CLO	1 Execute (C3) query language using database panel or application programming
CLO	2 Design (C6) a database for a given problem considering different anomalies
CLO	3 Develop (C6) an individual or group project based on a real scenario and preparent documentation

CO-PO Mapping:				Week	Торіс				
COs									
	PO1		P	Week 01	Advantages of DBMS DDL comman				
CO1	V				DROP, ALTER), import column types, report w				
CO2		\checkmark		***	gov o				
CO3		V		Week 02	SQL Queries: SEL WHERE,RENAME, OPERATORS DISTINCT, LIMIT, BE				
Assessi	ment:				BY, IN, NOT IN, CON				
		Category Class Assessment Lab Performance		Week 03	SQL Queries: DATE				
					FUNCTIO				
					UPDATE, DELETE, C Subquery, Referential 1				
		Project			Constraints Project Ass				
		Presentation	on / Viv						
		Report							
		Total							

References:

https://www.w3schools.com https://www.mysqltutorial.org

Weekly Schedule:

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Week 04	Web page design and server-sideprogram language (PHP), variables, branching, looping, array, associativearray, connecting to database	Lecture	CLO	1 ClassPerform
Week 05	Responsive page design, SQL fromapplica – create, read, where, order by, group by	Lecture	CLO	1 ClassPerform
Week 06	SQL from application programand delete join, aggregate functions	Lecture	CLO	1 ClassPerform
Week 07	SQL from application programauthentica authorization	Lecture	CLO	1 ClassPerform
Week 08	SQL Trigger, delimiter, CASE statemen variables inside trigger, Views Functions, Stored Procedure		CLO	1 ClassPerform
Week 09	Project Progress	Provide Feedback	CLO3	Project
Week 10	Designing ER diagram from a givenscenar relation, Normalization	Lecture	CLO	2 ClassPerformatignment
Week 11	Project Progress	Provide Feedback	CLO3	Project

Week 12	Project Submission	Provide Feedback	CLO	3 ProjectRep
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