Course Title	DATABASE MANAGEMENT SYSTEMS
Course Code	CSC 218
Course Purpose and Objectives	The course CSC 218 Database Management Systems is aligned with the course of Microsoft DP-300: Administering Relational Databases on Microsoft Azure. In this course students will be able to learn the basics of Microsoft's dialect of the standard SQL language: Transact-SQL. Moreover, students will be able to use a variety of methods and tools to perform day-to-day operations, including applying knowledge of using T-SQL for administrative management purposes. Students will be able to play the role of DBA taking responsibilities for management, availability, security and performance monitoring and optimization of modern relational database solutions.
Learning Outcomes	 Use SQL Server query tools Write SELECT statements to retrieve columns from one or more tables Sort and filter selected data Modify data with Transact-SQL using INSERT, UPDATE, DELETE and MERGE Plan and Implement Data Platform Resources Implement a Secure Environment Monitor and Optimize Operational Resources Optimize Query Performance Perform Automation of Tasks Plan and Implement a High Availability and Disaster Recovery (HADR) Environment Perform Administration by Using T-SQL
Course Content	 Module 1: getting started with transact-SQL Module 2: sorting and filtering query results Module 3: using joins and subqueries Module 4: using built-in functions Module 5: modifying data Module 6: data platform resources Module 7: secure environment Module 8: operational resources Module 9: query performance Module 10: automation of tasks Module 11: high availability & disaster recovery (HADR) environment Module 12: using t-SQL