

Module Title:	DATABASES
Academic year:	2009 – 2010
Credit Value:	5
Pre- requisites:	None
Assessment:	
Aims	<ul style="list-style-type: none"> • This subject aims to instil an understanding of the role of a DBMS in an information system. • The student will learn database design techniques and will gain expertise in the main constructs of SQL.
Module Content	<ul style="list-style-type: none"> • Introduction to Database Concept • Database Design • Data Query & Manipulation Using SQL • Database Objects
Intended Learning Outcomes:	<p>Having successfully completed this subject, the student will be able to:</p> <ul style="list-style-type: none"> • Explain the architecture and main functions of a DBMS • Apply appropriate modelling and design techniques to produce a database schema • Use SQL to define and manipulate data in an industrial-strength database (e.g. Oracle) • Use stored procedures and triggers to aid abstraction and enforce referential integrity