

Module Title:	SOFTWARE DEVELOPMENT 5
Academic year:	2009 – 2010
Credit Value:	
Pre- requisites:	Software Development 4
Assessment:	Exam-50%, CA-50%
Aims	This module provides the student with the knowledge and skills to design, develop and test programs using C++, apply industry programming standards and recognize and maintain legacy code
Module Content	<ul style="list-style-type: none"> • Introducing C++ • C++ Classes • C++ Memory Management • Introduction to Data Structures • Introduction to Algorithms
Intended Learning Outcomes:	<p>Having successfully completed this subject, the student will be able to:</p> <ul style="list-style-type: none"> • Define, instantiate and use classes with inheritance and composition • Use variables, control structures and functions within C++ • Demonstrate an understanding of the application build process • Demonstrate competency in memory management and the use of pointers in C++ • Define and use enum and struct data types • Demonstrate competency in searching and sorting lists