Software Design and Development 2 Unit

Preliminary Outcomes

A student:

P1.1 describes the functions of hardware and software

P1.2 describes and uses appropriate data types

P1.3 describes the interactions between the elements of a computer system

P2.1 describes developments in the levels of programming languages

P2.2 describes the effects of program language developments on current practices

P3.1 identifies the issues relating to the use of software solutions

P4.1 analyses a given problem in order to generate a computer-based solution

P4.2 investigates a structured approach in the design and implementation of a software solution

P4.3 uses a variety of development approaches to generate software solutions and distinguishes between these approaches

P5.1 uses and justifies the need for appropriate project management techniques

P5.2 uses and develops documentation to communicate software solutions to others

P6.1 describes the skills involved in software development

P6.2 communicates with appropriate personnel throughout the software development process

P6.3 designs and constructs software solutions with appropriate interfaces

Software Design and Development 2 UNIT
Preliminary Course Requirements

Components	TASK 1 Term 3 Week 1 Major Project P1.2, P4.1, P4.2, P5.1, P5.2, P6.2, P6.3	TASK 2 Term 3 Week 6 Portfolio P1.1,P1.3, P3.1, P4.1, P4.3, P2.1, P2.2, P5.2, P6.1	TASK 3 Term 3 Week 8/9 Yearly Examination P1.1, P1.3, P2.1, P2.2, P4.3, P5.2, P6.1	Weighting %
Knowledge and understanding about hardware and software, software development and impact of software development approaches, software development processes, social and ethical issues.	10	20	20	50
Design and development of software solutions.	30	10	10	50
Total %	**40**	**30**	**30**	**100**