Module Specification

Module Summary Information

1	Module Title	Enterprise Systems
2	Module Credits	20
3	Module Level	5
4	Module Code	CMP5340

5	Module Overview

The shift in operating conditions and the ever-changing business environments has led many organisations to adopt Enterprise Systems (ES) as a mechanism to gain competitive advantage, improve productivity, and facilitate real-time decision-making. The primary objective of implementing these systems was to address the maintenance issues of legacy systems, reduce development risk, provide timely access to information, and improve business efficiency. However, there are a number of instances, where organisations have failed to realise these benefits and end up running into costly implementation, increased maintenance, and operational challenges. This module will develop your core skills and knowledge to support organisations in the management of ES and redesigning of the business processes...

Alignment with Programme Philosophy and Aims

A problem-based learning approach is followed to encourage students to be responsible for their own learning and to reflect on their experience during the academic studies. Likewise, students will apply their skills gained in the module and the wider programme to solve real-world challenges using examples from industrial use cases that will enable them to develop their knowledge and soft skills further.

Learning and Teaching Strategy

The module adopts a problem-based learning strategy to support students in their learning and promote self-directed learning. The lectures will introduce the students to core theoretical concepts of enterprise systems and business processes. The group-based tutorial will open up discussion on the given industrial challenge to provide students with a richer and a more meaningful learning experience, which could develop task-related and domain knowledge. Also, working in a team would encourage students to improve their soft-skills such as communication skills and team-working abilities. Laboratory sessions would be provided to provide an in-depth understanding of enterprise system functionality that complements and enhances the theoretical perspectives.

Examples of tasks students will undertake as part of this module:

- Apply the understanding of enterprise systems and business processes concepts to propose a solution that addresses the given industrial challenge;
- Explore business processes management techniques that support organisations during the implementation and management of ES;

6	Indicative Content
	- Recent developments in enterprise systems - Enterprise Systems adoption, implementation and management - IT Change (Digital transformation) - People, Process, and Technology Integration - Integrated Business process with ERP - Business Processes: Modelling and Management

7	Module Learning Outcomes On successful completion of the module, students will be able to:	
	1	Present and discuss the adoption and implementation of enterprise systems.
	2	Effectively communicate the role of enterprise systems in organisations to support decision-making.
	3	Demonstrate an understanding of applying business process modelling techniques and report on the results to support digital transformation.
	4	Present an evaluation of IT developments, their impact on organisation's strategies and business processes

8	Module Assessment			
Learning Outcome				
	Coursework	Exam	In-Person
1, 2,3			X
4	x		

9	Breakdown Learning and Teaching Activities	
Learning Activities	Hours
Scheduled Learning (SL) includes lectures, practical classes and workshops, peer group learning, Graduate+, as specified in timetable	48
Directed Learning (DL) includes placements, work-based learning, external visits, on-line activity, Graduate+, peer learning, as directed on VLE	112
Private Study (PS) includes preparation for exams	40
Total Study Hours:	200