2024 / 25

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Module Descriptor

Enterprise Applications (Computing and Mathematics)

Enterprise Applications (A13224)

Short Title: Enterprise Applications
Department: Computing and Mathematics
Credits: 5 **Level:** Advanced

Description of Module / Aims

This module will address Enterprise Applications that a business would use for interacting with multiple parts of an enterprise. Students will learn about different types of Enterprise Application systems and how they are designed to solve the problems encountered by different size enterprises. Emphasis is placed on how these applications provide productivity and efficiency to an enterprise's internal and supply chain processes.

Programmes

		stage/semester/status
COMP-0603	BSc (Hons) in Software Engineering (WD_KDEVP_BI)	2 / 3 / M
COMP-0603	BSc (Hons) in Software Systems Development (WD_KDEVP_B)	2 / 3 / M
COMP-0603	BSc in Information Technology (WD_KINFT_D)	2 / 3 / M
COMP-0603	BSc in Software Systems Development (WD_KCOMC_D)	2 / 3 / M
COMP-0603	Higher Diploma in Science in Business Systems Analysis (WD_KBUSY_G)	4 / 2 / M

Indicative Content

- Introduction to common types of Enterprise Applications
- Strategies for selecting Enterprise Applications for different types of organisations
- Integration and middleware solutions
- Enterprise Resource Planning (ERP) systems – functions, capabilities to support internal processes and flexibility for supply chain requirements
- Customer Relationship Management (CRM) systems for understanding and engaging with customers
- Supply chain business processes, activities, planning
- Supply Chain Management (SCM) solutions and technologies

Learning Outcomes

On successful completion of this module, a student will be able to:

1. Appraise different types of Enterprise Applications.
2. Justify Enterprise Applications and integration tools for different size organisations.
3. Assess Enterprise Systems within an organisation, focusing on ERP, CRM and SCM.
4. Evaluate supply chain business processes, activities and planning.
5. Assess solutions and technologies for improving supply chain performance.
6. Demonstrate proficiency in the use of an Enterprise Application.

Learning and Teaching Methods

- This module will be presented by a combination of lectures and computer based practicals.
- The lectures will be used to introduce new topics and their related concepts.
- Lectures will be supplemented by participative case studies and independent reading on the issues covered in the lecture material.
- The practical element is intended to provide the student with the skills needed to use and understand an Enterprise Application system..

Learning Modes

Learning Type	F/T Hours	P/T Hours
Lecture	24	
Practical	24	
Independent Learning	87	

Assessment Methods

	Weighting	Outcomes Assessed
Final Written Examination	50%	1,2,3,4,5
Continuous Assessment	50%	
In-Class Assessment	50%	3,6

Assessment Criteria

<40%: Unable to interpret and describe key concepts of Enterprise Applications.

40%–49%: Be able to interpret and describe key concepts of Enterprise Applications.

50%–59%: Ability to discuss key concepts of Enterprise Applications and have the ability to discover and integrate related knowledge in Data and Software Development.

60%–69%: Be able to solve problems of Enterprise Applications by experimenting with the appropriate skills and tools.

70%–100%: All the above to an excellent level. Be able to analyse and design solutions to a high standard for a range of both complex and unforeseen problems through the use and modification of appropriate skills and tools.

Supplementary Material(s)

- "InsideCRM." www.insidecrm.com
- "Toolbox for IT - Inside ERP." it.toolbox.com
- Laudon, K. and J. Laudon. *Management Information Systems: Managing the Digital Firm.* 14th ed.. New York: Pearson, 2016.

Requested Resources

- Room Type: Computer Lab