

ICT225 Management Information Systems

Level: 2

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY REGULAR SEMESTER

Synopsis:

roles in helping businesses to remain competitive, as well as to provide a technical foundation to appreciate the major and emerging technologies needed by business firms. It focuses on learning about the various kinds of information systems and technologies, and understanding how they are integrated in enterprise applications that can help business firms improve their organizational performances and decision making. This course adopts the viewpoint of a business professional, rather than a computing professional. Hence, students will learn how the work of managers is influenced by information technology (IT) and how to enhance the competitiveness of an organisation as an IT professional.

Topics:

- Information Systems in Global Business Today.
- Global e-Business and collaboration.
- e-Commerce and Digital Markets.
- Information Systems, Organisations and Strategy.
- Achieving Operational Excellence.
- IT Infrastructure and Emerging Technologies.
- Internet and Wireless Technology.
- Business Intelligence: Database and Information Management.
- Decision Making and Information Systems.
- Role of Knowledge Management in Business.
- Securing Information Systems.

Learning Outcome:

- Explain using examples, what global digital business is and how e-commerce has transformed business models.
- Analyse the various IT infrastructure and emerging technologies of an organization.
- Demonstrate how information systems and enterprise applications achieve operational excellence and enhance business competitiveness.
- Examine, through case study, how data and knowledge management, and business intelligence are used to improve business performance and decision making.
- Summarize key networking and internet technologies based on case study of organizations.
- Apply a framework for security and control of information to provide value for businesses.
- Develop a value chain for a business organization.

Assessment Strategies - Regular Semester (Daytime Class):

Components	Description	Weightage Allocation (%)
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Overall Continuous Assessment	PRE-CLASS QUIZ 1	2
	PRE-CLASS QUIZ 2	2
	PRE-CLASS QUIZ 3	2
	QUIZ 1	6
	TUTOR-MARKED ASSIGNMENT 1	18
Overall Examinable Components	Written Exam	70
Total		100

*The information listed is subject to review and change.