SBM4101 Foundations of Information Systems

Unit description

This unit deals with the inter-relationships of technology and people via a business information system. It highlights the key role that an information system and its constituent components have in building strategic advantage for a business. It also highlights the risks associated that the human technology interface brings in attaining organisational efficiency. Topics covered include: hardware and software required to solve the needs of the organisation; database and bigdata as tools in supporting decision making; the integration of computer networking and telecommunication that enable people to meet personal and organisational objectives; electronic commerce; decision support using business intelligence and analytics; the management of information technology outsourcing; and legal, ethical and security issues in information systems.

This unit is a core unit in the DipBIS, and BBIS programs.

Learning Outcomes

On successful completion of this unit, students will be able to:

[ULO1] Demonstrate and understanding of the competitive requirements of technology, people, and organizational components of information systems.

[ULO2] Describe the critical role played by information systems in corporate globalization for competitive advantages.

[ULO3] Describe the role enterprise systems play in fostering stronger relationships with customers and suppliers.

[ULO4] Choose appropriate strategies to develop and acquire information systems and technologies to create new efficiencies for organizations.

[ULO5] Appraise alternatives for securing IS resources with the support of human and technological safeguards.

[ULO6] Detail the importance of the evaluation of ethical concerns, using contemporary information systems and analyse their impact on crime, terrorism and war.

Summary

Credit Points	6
Courses	DipBIS, BBIS
Total Credit Points	DBIS: 48 credit points, BBIS: 144 credit points
Pre-Requisites	N/A
Co-Requisites	N/A
Other Requirements	N/A
Unit Level	Core: DipBIS, BBIS
Duration	14 weeks (12 teaching weeks; 1 study week; 1 final assessment week)
Mode of Delivery	On-campus
Assessment	Quiz: 10%; Mid semester test: 15%; Applied Project: 35%; Tutorial submission: 10%, Exam: 30%

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Prescribed Textbook	Stair, RM & Reynolds, GW 2018, Fundamentals of information systems, 9th edn, Cengage Learning, Massachusetts.
Expected student workload	Students should expect to spend approximately 8.5 hours per week over 14 weeks on learning activities for this unit. This includes time spent attending scheduled classes, undertaking private study, preparing assessments, and completing examinations.

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