

1.	Course Title	Information System Strategic Planning		
2.	Course Code	CICT4563		
3.	Status	Major		
4.	Credit Hour	3 (2+1) 2 lecture (2 hours lecture x 14 weeks) 1 tutorials (1.5 hours per x 14 weeks)		
5.	Semester/Year	2/4		
6.	Prerequisites	CICT2513 Management Information System		
7.	Teaching method:	Distance Learning (Electronic)		
8.	Evaluation	Assessment and Marking Percentage: Participation 5% Quizzes 15% Project 15% Mid Sem Exam 15% Final Examination 50%		
9.	Lecturer			
10.	Objective of the Subject	By the end of the subject. Students must be able: - To expose students to the concept of Information systems. - To understand the systematic procedures in planning a computer-based information systems. - To understand the role of various types of information systems in support of operational procedures and management decision making at the enterprise level. - To understand the rudimentary skills for building the information systems, which also encompasses information security, privacy, integrity, and protection in a shared environment. - To understand the role of an information systems manager in an enterprise level.		
11.	Learning Outcomes	By the end of the subject, students should be able to: - analyse information systems in a variety of contexts (social, organisational) using a range of appropriate approaches and methodologies. - recognise and apply methods appropriate to IS in the context of a research project. - understand and integrate concepts from a range of academic disciplines contributing to IS (including, but not limited to, IS strategy, organisation behaviour and systems thinking) and context domains. - critically evaluate the strengths and weaknesses of Information Systems methodologies and predict aspects that are likely to lead to failure. formulate and test arguments, identify weaknesses and counter arguments.		
12.	Synopsis	The course provides an introduction to the theory and practice of the academic discipline for information systems planning. Students will experience the need for information systems and will see the situations in which various kinds of computer-based information systems are deployed. Issues in planning the information systems which include systems investigation, analysis, design, implementation, maintenance, and review will be discussed at an enterprise level.		
13.	Topics	Details	Lecture (Hrs)	Tutorial (Hrs)
	Topic 1	1. Current Issues and Future Trends in Information Systems (IS) - Information concepts - History and motivation for IS - The IS environment - The IS challenges - Reasons for studying IS Planning - Computer-Based Information Systems - Concepts of E-Commerce	3	2

Bachelor of Information Technology in Management Information System (Hons)

		- Transaction Processing System - Management Information System (MIS) - Decision Support System (DSS) - Workflow Systems and Enterprise Resource Planning (ERP) - Supply Chain Management (SCM) - Customer Relationship Management (CRM) - Information System in Logistics and Transportation		
	Topic 2	2. Organizations and Information Systems - Organizational structure and IS - Organizational culture and change - Change Model - Control in Systems - Systems in Management - Multiple uses of Information - Reengineering - Continuous Improvement - Technology Diffusion, Infusion and Acceptance - Outsourcing and Downsizing - Total Quality Management (TQM)	3	2
	Topic 3	3. Resource Planning for IS - Human Resource Planning - Enterprise Resource Planning - IS Redesigning Strategies - Business Process with E-business - Business Process with ERP - Resource Planning in Logistics and Transportation System - Planning for Transportation and Information Network Infrastructure - Planning for Tracing and Tracking System	3	3
	Topic 4	4. Planning to Organize Data and Information - Data gathering and analysis techniques - Planning for data model - Planning to develop e-commerce model - Planning for DBMS	3	3
	Topic 5	5. Planning for Software and Hardware - Operating system (OS) selection: desktop OS , workgroup OS, and Enterprise OS - Application software for IS - Hardware selection techniques - Software & hardware upgrade planning	3	3
	Topic 6	6. Planning for Systems Configuration and Administration - Operation system configuration & administration planning - DBMS administration planning - Network administration planning	3	2
		Total contact hours	28	21
		Equivalent lecture hours	28	14
		Total lecture hours	42	
		Credit hours	3	
14.	Main reference: Textbook:	Carol V. Brown, Daniel W. DeHayes, Jeffrey A. Hoffer, E. Wainright Martin, and William C. Perkins, Managing Information Technology , Prentice Hall, 6 th ed., 2008		
15.	Additional References:	1. Anita Cassidy, A Practical Guide to Information Systems Strategic Planning, St. Lucie Press/CRC Press, 1998. 2. Richard L. Van Horn, Albert B. Schwarzkopf, and R. Leon Price, Information Systems Solutions: A Project Approach, McGraw-Hill, 1st ed., 2006. 3. Leonard Jessup, and Joseph Valacich, Information Systems Today: Managing in the		

Bachelor of Information Technology in Management Information System (Hons)

		<i>Digital World</i>, Prentice Hall, 3rd ed., 2008. 4. Cheryl Dunn, J. Owen Cherrington, Anita Sawyer Hollander, <i>Enterprise Information Systems: A Pattern-Based Approach</i>, McGraw-Hill, 3rd ed., 2005. 5. Ralph M. Stair and George W. Reynolds, <i>Principles of Information System</i>, Thomson, 7th ed., 2007.
	Other Materials:	All materials will be available to the students online.