

Bachelor of Information Technology in Management Information System (Hons)

1.	Course Title	Project Management in IT		
2.	Course Code	CICT4513		
3.	Status	Major		
4.	Credit Hour	3 (2+1) 2 for lecture (3 hours per week x 14 weeks) 1 for tutorial (1.5 hour per week x 14 weeks)		
5.	Semester/Year	1/4		
6.	Prerequisites	None		
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	This course is designed to expose students to steps and techniques of project management for Information Technology. The contents of the course will cover aspects of project scope, time, cost, quality, human resource, communications and risks. It is also aimed at giving students a hands-on experience of using a project management CASE tool.		
11.	Learning Outcomes	Upon completion of this subject, students should be able to: - Understand the project management framework, knowledge areas of project management, and the utilization of tools and techniques in project management. - Produce essential management documents for a project including; - Project scope management plan - Project schedules, Gantt Charts, Network diagrams and PERT charts - Project cost estimate and budget - Project quality assessment plan using Pareto analysis, statistical sampling, six sigma and quality control charts - Project organizational chart, responsibility management matrix and resource histogram - Project communications plan and stakeholder communications analysis - Risk Register - Acquire skill of utilizing a project management CASE tool		
12.	Synopsis	This course introduces students to the complete project management lifecycle, practice on project management techniques and CASE tools. The contents of the course includes: - Introduction to Project Management - The Project Management and Information Technology Context - The Project Management Process Groups - Project Integration Management - Project Scope Management - Project Time Management - Project Cost Management - Project Quality Management - Project Human Resource Management and Project Procurement Management - Project Communications Management and Project Risk Management		
13.	Topics	Details	Lecture (Hrs)	Tutorial (Hrs)
	Topic 1	Introduction to Project Management - Definition of a project - Definition of Project management - Role of a Project Manager - History of Project management - The Project Management Profession	3	3

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	Topic 2	The Project Management and Information Technology Context • A systems view of Project Management • Understanding organizations Stakeholder Management • Project phases and life cycle • The context of IT projects	3	3
	Topic 3	The Project Management Process Groups • Project Management process groups • Developing an IT Project Management Methodology	3	3
	Topic 4	Project Integration Management • Project Integration Management • Strategic Planning and project selection • Preliminary scope statements • Project Management plans • Project executions • Monitoring and controlling project work • Integrated change control • closing project	3	3
	Topic 5	Project Scope Management • Definition of Project Scope Management • Scope Planning • Scope Definition and Project Scope Statement • Creating the work breakdown Structure • Scope verification • Scope control	3	3
	Topic 6	Project Time Management • Importance of project schedules • Activity definition • Activity sequencing • Activity resource estimating • Activity duration estimating • Schedule development • Schedule control	3	3
	Topic 7	Project Cost Management • Importance of Project Cost Management • Basic Principles of Cost Management • Cost Estimating • Cost Budgeting • Cost Control	3	2
	Topic 8	Project Quality Management • Project Quality Management • Quality Planning • Quality Assurance • Quality Control • Tools and Techniques for Quality Control • Modern Quality Management • Improving Information Technology Project Quality	3	2
	Topic 9	Project Human Resource Management • Project Resource Management • Keys to Managing People • Human Resource Planning	2	1
	Topic 10	• Acquiring the Project Team • Developing the Project Team • Managing the Project Team	2	1
	Topic 11	Project Communications Management • Project Communications Management • Communications Planning	2	2

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		• Information Distribution • Performance Reporting • Managing Stakeholders		
	Topic 12	Project Risk Management • Managing Stakeholders • Managing Stakeholders • Common Sources of Risk on IT Projects • Risk Identification • Risk Response Planning • Risk Monitoring and Control	2	2
	Topic 13	Project Procurement Management • Project Procurement Management • Planning Purchases and Acquisitions • Planning Contracting	2	1
	Topic 14	• Requesting Seller Responses • Selecting Sellers • Administering the Contract • Closing the Contract	2	1
		Total contact hours	36	30
		Equivalent lecture hours	36	20
		Total lecture hours	56	
		Credit hours	4	
14.	Main reference:	Kathy Schwalbe, Information Technology Project Management , Fourth Edition, Course Technology, 2006.		
15.	Additional References:	1. Joseph Phillips, IT Project Management: From Start to Finish, Second Edition, McGraw Hill, 2004. 2. Cynthia Snyder and Frank Parth, Introduction to IT Project Management, Management Concepts Inc., 2007.		
	Other Materials:	All other materials will be available to students online.		