Subject Description Form

Subject Code	COMP325
Subject Title	Information Systems Management
Credit Value	3
Level	3
Pre-requisite / Co-requisite/ Exclusion	Pre-requisite: COMP302 (Nil for 61025) Co-requisite: Nil Exclusion: COMP405
Objectives	- To present an integrated view of the planning, management, and control of information systems in the organization. - To allow students the opportunity to develop critical evaluation in the selection and appraisal of relevant approaches, methods and techniques in solving real-life business problems related to the use of information systems.
Intended Learning Outcomes	Upon completion of the subject, students will be able to: *Professional/academic knowledge and skills* (a) understand the strategic role played by the information systems department in modern enterprises; (b) understand the various activities related to the management of information systems; (c) appreciate and evaluate existing and emergent information technologies on their applicability to modern enterprises; *Attributes for all-roundedness* (d) improve presentation and communication skills (through cases discussion and project presentation); (e) develop the ability to learn independently and to find/integrate information from different sources required in solving real-life problems. **Alignment of Programme Outcomes:** Programme Outcome 1: This subject contributes to having students practice their presentation and documentation skills through assignments, project and case studies. The presentation and documentation of student coursework will also be measured.

Programme Outcome 4: This subject contributes to developing student critical thinking through case studies. They will also practice more in written assignments and project.

Programme Outcome 6: This subject contributes to developing student understanding of the impact of IT to the industries using real-life cases. Student will also have the opportunity to participate in the discussion of these cases.

Programme Outcome 7: This subject contributes to team work with group-based project for students to practice team spirit.

Programme Outcome 8: This subject contributes to providing student with basic concepts and techniques for building and managing systems implementation from the managerial perspective. Student also gets to practice through in-class case discussions and exercises, individual assignments, and a group project. Student level of understanding will be also assessed in the examination.

Subject Synopsis/ Indicative Syllabus	

Topic	Duration of Lectures
1. **Information systems management's leadership role** Escalating benefits of using IT; changing roles of the information systems department and staff.	2.5
2. **Strategic uses of IT and strategic IS planning** Strategic impacts of IT; IS planning techniques including competitive forces model and value chain analysis.	7.5
3. **Information systems, organizations and control** Technical and behavioral definitions of organization; how organization affects IS and vice versa; control architecture (e.g. cost center approach, profit center approach); valuation methods; IT governance.	5
4. **IT architecture and IT operations management** Corporate IT architecture versus IT infrastructure; types of enterprise distributed systems; operational measures; outsourcing; pros and cons of outsourcing.	5
5. **Building and managing systems implementation** Systems development lifecycle; alternative approaches to systems development; IT-enabled organizational change; IT project management; risk management approaches; change management; methods for measuring system benefits.	7.5
6. **Systems for supporting knowledge based work** Systems to support collaboration; virtual organizations; tacit and explicit knowledge management; knowledge creation lifecycle; intellectual capital issues; computer ethics.	7.5
Total	**35**

Laboratory Experiment:

	Use and evaluate some existing and emerging information technologies and understand their applicability to modern enterprises. **Case Study:** Presentations and discussions will be held during the seminars, where the students will form groups to read, present and discuss real-life cases related to the subject's topics.
Teaching/Learning Methodology	Lectures focus on the introduction and explanation of key concepts. Seminars provide students with the opportunity to deepen their understanding of the concepts taught in lectures and to apply the theories to the analysis of real-life issues. Students will learn not only in the class but also through various coursework activities.

Assessment Methods in Alignment with Intended Learning Outcomes							

Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed (Please tick as appropriate)				
		a	b	c	d	e
Continuous assessment	55%	✓	✓	✓	✓	✓
Examination	45%	✓	✓	✓		✓
Total	100 %					

Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes:

The assessment items include written and oral assignments, projects, and tests. Assignments are designed to reinforce the concepts and methods learned in the class. Projects are used to develop students' analytic and problem solving skills. The written part of the assignments and projects helps student develop their organization and documentation skills. The oral part of the coursework allows students to practice their presentation and communication skills. Tests give students opportunity to review and reflect on their learning.

Student Study Effort Required	Class contact:	
	▪ Lecture	35 Hrs.
	▪ Seminar	14 Hrs.
	Other student study effort:	
	▪ Reading and self learning	14 Hrs.
	▪ Coursework	35 Hrs.
	Total student study effort	98 Hrs.

Reading List and References	**Textbook:** B. C. McNurlin, R. H. Sprague, Jr., and Tung Bui, Information systems management in practice, 8 th edition, Prentice Hall, 2009. **Reference Books:** 1. K. C. Laudon and J. P. Laudon, Management information systems: Managing the digital firm, 10th edition, Prentice Hall, 2007. 2. J. A. O'Brien and G. M. Marakas, Management information systems, 8th edition, McGraw Hill, 2008. 3. R. K. Rainer Jr. and C. G. Cegielski, Information Systems: Enabling and Transforming Business, 2rd edition, Wiley & Sons, 2008.