Subject Description Form

Subject Code	COMP5221
Subject Title	Software Project Management
Credit Value	3
Level	5
Pre-requisite/ Exclusion	Prerequisite: Nil Exclusion: COMP5220 Information Systems Project Management
Objectives	The objectives of this subject are to: 1. provide students with a systematic approach to initiating, planning, executing, controlling and closing a software project; 2. enable students to develop a basic understanding of the nine project management areas and the role of a typical project manager; 3. enable students to understand the best practices and techniques used in project management processes.
Intended Learning Outcomes	Upon completion of the subject, students will be able to: a) acquire a good understanding about the concepts and knowledge in software project management; b) properly apply tools, techniques, and skills for successful software project management in real-world scenarios; c) work effectively with others as a team to achieve ambitious goals; and d) appropriately communicate all aspects of software project management to various stakeholders both verbally and in writing

Subject Synopsis/ Indicative Syllabus	**Project Management:** Project conception; Project definition; Project Life Cycle; Roles and Responsibility of project manager, Principle of Software Development. **Project Management Processes**: Initiating, planning, executing, controlling, and closing. **Project management techniques**: planning, organizing, controlling, evaluating, reporting, costing, sizing, cost/benefit analysis, and earned value analysis. **Methods for project planning**: Estimation of project size, schedule and cost. **Methods for project control**: Checkpoints, Reviews, Change Management, Reporting, Issues management, Team building, High performance team. **Project Management Knowledge Areas**: Integration Management, Scope Management, Time Management, Cost Management, Quality Management, Human Resource Management, Communication Management, Risk Management, Procurement Management.
Teaching/Learning Methodology	Class activities including - lecture, tutorial, lab, workshop seminar where applicable

Assessment Methods in Alignment with Intended Learning Outcomes

Specific Assessment Methods/Tasks	% weighting	Intended subject learning outcomes to be assessed			
		a	b	c	d
Assignments & Projects	55	✓	✓	✓	✓
Final Examination	45	✓	✓	✓	✓
Total	100				

Student study effort expected	**Class Contact:**	
	Class activities (lecture, tutorial, lab)	39 hours
	Other student study effort:	
	Assignments, Quizzes, Projects, Exams	66 hours
	Total student study effort	**105 hours**
Reading list and references	(1) Schwalbe, Kathy, Information Technology Project Management (9th Edition), Cengage Learning, 2018 (2) A Guide to the Project Management Body of Knowledge (6th Edition), Project Management Institute, 2017. (3) Hughes, B., Cotterell, M., Software Project Management (5th Edition), McGraw-Hill, 2009.	

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