

Subject Description Form

Subject Code	COMP 5933
Subject Title	Project
Credit Value	6
Level	5
Pre-requisite/ Exclusion	<p>Prerequisite: Having completed 15 credits of study with a GPA equivalent to or above the grade point value of C+ (** Full-time students who have completed 9 credits of study and fulfilled this GPA requirement may consider doing Project from the second semester of their study.)</p> <p>Exclusion: COMP5940 Dissertation</p>
Objectives	<p>The objectives of this subject are to:</p> <ul style="list-style-type: none"> • carry out a group project to practise the principles and techniques of research and development in any information technology related system, • develop concepts, models, frameworks, and / or a software system that meets the stated requirements and quality standards.
Intended Learning Outcomes	<p>After completing the subject, students should be able to:</p> <ol style="list-style-type: none"> a. identify, analyse and solve real life, information technology related problems and issues; b. design, implement, and test non-trivial solutions in computing to solve the proposed problem; c. perform collaborate and work effectively in a team environment; and d. present well-formed technical documentation and project report.
Subject Synopsis/ Indicative Syllabus	<p>Students will group into teams of up to 4 members, and work on an information technology related project under the supervision of a faculty member. Each group of students will explore an area related to information technology, either by their own choice or assigned by the supervisor.</p> <p>Through the project, students will integrate knowledge and techniques they have acquired in preceding and concurrent subjects of study and develop their skill and new knowledge of the selected areas. They will identify some problems to solve, develop solutions, and provide a proof-of-concept for their solutions by developing software prototypes that implement the solutions. Testing cases need to be designed to evaluate the developed systems in the light of system requirements and performance. Students will also exercise project management methods to the planning, developing, and monitoring of progress. Upon completion of the subject, the students will need to communicate their work to others effectively and efficiently, through well-prepared project reports and / or oral presentations and demonstrations.</p>

Teaching/Learning Methodology	<p>Students are to work in a group of up to 4 members. Each group is supervised by a faculty member. Students are expected to work independently, show initiative, and take responsibility for the success of their work. They are required to hold regular meetings with the supervisor, at least once per fortnight, and produce regular progress reports as an integral part of the project documentation.</p> <p><i>Duration of course: Two semesters</i></p>																									
Assessment Methods in Alignment with Intended Learning Outcomes	<table border="1" data-bbox="605 510 1386 762"> <thead> <tr> <th data-bbox="605 510 967 646" rowspan="2">Specific Assessment Methods/Tasks</th> <th data-bbox="967 510 1135 646" rowspan="2">% weighting</th> <th colspan="4" data-bbox="1135 510 1386 611">Intended subject learning outcomes to be assessed</th> </tr> <tr> <th data-bbox="1135 611 1198 646">a</th> <th data-bbox="1198 611 1261 646">b</th> <th data-bbox="1261 611 1325 646">c</th> <th data-bbox="1325 611 1386 646">d</th> </tr> </thead> <tbody> <tr> <td data-bbox="605 646 967 722">Continuous assessment, report and presentation</td> <td data-bbox="967 646 1135 722">100</td> <td data-bbox="1135 646 1198 722">✓</td> <td data-bbox="1198 646 1261 722">✓</td> <td data-bbox="1261 646 1325 722">✓</td> <td data-bbox="1325 646 1386 722">✓</td> </tr> <tr> <td data-bbox="605 722 967 762">Total</td> <td data-bbox="967 722 1135 762">100</td> <td colspan="4" data-bbox="1135 722 1386 762"></td> </tr> </tbody> </table>				Specific Assessment Methods/Tasks	% weighting	Intended subject learning outcomes to be assessed				a	b	c	d	Continuous assessment, report and presentation	100	✓	✓	✓	✓	Total	100				
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Student study effort expected	<p>Group Contact:</p> <table border="1" data-bbox="589 835 1411 867"> <tr> <td data-bbox="589 835 1230 867">Group activities (discussion, study)</td> <td data-bbox="1230 835 1411 867">78 hours</td> </tr> </table> <p>Other student study effort:</p> <table border="1" data-bbox="589 905 1411 936"> <tr> <td data-bbox="589 905 1230 936">Projects, Presentation, Experiment</td> <td data-bbox="1230 905 1411 936">130 hours</td> </tr> <tr> <td data-bbox="589 936 1230 972">Total student study effort</td> <td data-bbox="1230 936 1411 972">208 hours</td> </tr> </table>				Group activities (discussion, study)	78 hours	Projects, Presentation, Experiment	130 hours	Total student study effort	208 hours																
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Reading list and references	<p>Relevant ACM Transactions: Transactions on Internet Technology</p> <p>Relevant IEEE Transactions: Transactions on Mobile Computing</p> <p>Other relevant journals and magazines</p>																									