

## Subject Description Form

<b>Subject Code</b>	COMP 5933
<b>Subject Title</b>	Project
<b>Credit Value</b>	6
<b>Level</b>	5
<b>Pre-requisite/ Exclusion</b>	<p>Prerequisite: Having completed 15 credits of study with a GPA of 2.5 or above in the registered programme (** Full-time students who have completed 9 credits of study with GPA of 2.5 or above may consider doing Project from the second semester of their study.)</p> <p>Exclusion: COMP5940 Dissertation</p>
<b>Objectives</b>	<p>This subject is intended to provide an opportunity for students to carry out a group project to practise the principles and techniques of research and development in any information technology related system. Students achieve the objective through the development of concepts, models, frameworks, and / or a software system that meets stated requirements and quality standards.</p>
<b>Intended Learning Outcomes</b>	<p>After completing the subject, students should be able to:</p> <ol style="list-style-type: none"> <li>a. identify, analyse and solve real life, information technology related problems and issues;</li> <li>b. apply appropriate principles and techniques of requirements, specification, software design and implementation of any information technology related system;</li> <li>c. perform collaborate and work effectively in a team environment; and</li> <li>d. present well-formed technical documentation and project report.</li> </ol>
<b>Subject Synopsis/ Indicative Syllabus</b>	<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-</p>

	prepared project reports and / or oral presentations and demonstrations.																						
<b>Teaching/Learning Methodology</b>	<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:</i> Two semesters</p>																						
<b>Assessment Methods in Alignment with Intended Learning Outcomes</b>	<table border="1"> <thead> <tr> <th rowspan="2">Specific Assessment Methods/Tasks</th> <th rowspan="2">% weighting</th> <th colspan="4">Intended subject learning outcomes to be assessed</th> </tr> <tr> <th>a</th> <th>b</th> <th>c</th> <th>d</th> </tr> </thead> <tbody> <tr> <td>Continuous assessment, report and presentation</td> <td>100</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>Total</td> <td>100</td> <td></td> <td></td> <td></td> <td></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				
Specific Assessment Methods/Tasks	% weighting			Intended subject learning outcomes to be assessed																			
		a	b	c	d																		
Continuous assessment, report and presentation	100	✓	✓	✓	✓																		
Total	100																						
<b>Student study effort expected</b>	<p><b>Group Contact:</b></p> <table border="1"> <tr> <td>Group activities (discussion, study)</td> <td>78 hours</td> </tr> </table> <p><b>Other student study effort:</b></p> <table border="1"> <tr> <td>Projects, Presentation, Experiment</td> <td>130 hours</td> </tr> <tr> <td><b>Total student study effort</b></td> <td><b>208 hours</b></td> </tr> </table>	Group activities (discussion, study)	78 hours	Projects, Presentation, Experiment	130 hours	<b>Total student study effort</b>	<b>208 hours</b>																
Group activities (discussion, study)	78 hours																						
Projects, Presentation, Experiment	130 hours																						
<b>Total student study effort</b>	<b>208 hours</b>																						
<b>Reading list and references</b>	<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>																						