

Bachelor of Computer Science (Hons)

1.	Name of Course				Final Year Project (FYP)			
2.	Course Code				CICT3512			
3.	Name(s) of academic staff							
4.	Rationale for the inclusion of the course/module in the programme				Major Students are required to undertake a project during the final year of the course. Within the project, the student integrates and applies material presented throughout the other modules. The module is designed to direct students to develop a set of practical skills that will serve them well throughout their professional career.			
5.	Semester and Year offered				2 / 3 and 1/4			
6.	Total Student Learning Time (SLT)		Face to Face				Total Guided and Independent Learning	
	L = Lecture T = Tutorial P = Practical O = Others		L	T	P	O	Guided and Independent Learning for phase (1)=85 Guided and Independent Learning for phase (2)=165 Total =250	
7.	Credit Value				phase (1) 2 Credit hours phase (2) 4 Credit hours Total =6 Credit hours			
8.	Prerequisite (if any)				Completed 70 credit hours (excluding Art & Humanities subjects)			
9.	Objectives: This subject is designed to enable students: - To direct the student to the skills necessary to carry out a project (from conception, through development and implementation, to completion). - To give the student an opportunity to carry out a significant investigation in the subject area of the project. - To fully specify the requirements / formulate the problem to be addressed by the proposed project and devise design architecture, implementation and conduct testing of software produced. - To provide the student with the experience of carrying out a major programme of work in computing within the framework of a strict management schedule.							
10.	Learning outcomes: Upon completion of this subject, students should be able to: - Propose aims, objectives and a program of work for selected project topic. - Conduct and present in writing an in-depth analysis of the project topic. - Analyze project requirements and assemble a detailed requirements specification. - Devise an initial system design, project approach or prototype and Justify the basis on which the selected project topic is to be investigated and developed. - Implement a system based on the project requirements and design specification - Conduct testing to identify defects and to assess system behaviour against the original specification. - Evaluate, criticise and defend the work accomplished in the project. - Prepare a formal written report on the work undertaken in the project module and formally presented his/her work in writing, visually and orally							

11.	Transferable Skills: • Develop researching skills. • Develop a set of practical skills that will serve them well throughout their professional career • Become proficient in and the use of appropriate applications and programming languages in the design and implementation of different types of systems. • Become proficient in presenting work in writing, visually and orally • Communicate In a professional manner about system development processes with specialists and non-specialists.
12.	Teaching-learning and assessment strategy • Students will be given a list of projects suggested either by members of staff or by local industry and are encouraged to discuss project topics with potential supervisors. (Faculty may allow students to suggest their own projects) • Students are asked to express their preferences from the available project titles and allocations are made accordingly. • Over both semesters, students will be expected to meet with their supervisor at regular intervals. Phase (1) • Week (1): Interacting with supervisor and registration. • Week (2): project proposal. • Week (13): Interim Report + prototype code • Week (14): Demo presentation • End of phase (1): Interim report is submitted, addressing issues such as: project aims, objectives and plan; investigation, literature review and assessment of the problem; requirements analysis and specification; initial design approach / proposed implementation strategy. Phase (2) • Week 1 : Interacting with Supervisor and registration • Week 12 : final report + code • Week 14 : Demo – presentation + final evaluation • End of phase (2): Final Report is submitted, addressing issues such as: the delivered software, project documentation, software demonstration, oral examination, and supervisor's comments.
13.	Synopsis: The course provides an introduction to the theory and practice of the academic discipline for information systems planning. In this module, the student is given an opportunity to investigate the subject area of the project and is directed to sources of information for project preparation, management and delivery. The student will engage in the implementation, testing and evaluation of a substantial software-related task and will formally present the results.
14.	Mode of Delivery: Project base

15.	Assessment Methods and Types: The assessment for this course will be based on the following: Coursework Assignments: 100% Phase (1) 30% • General effort from the supervisor 10% • Presentation 10% • Interim Report 10% The sources of evidence for assessing these skills will include: Interim Report, oral examination and supervisor's comments. Phase (2) 70% • General effort from the Supervisor 20% • Presentation 20% • Final Report 20% • Business Plan/Research 10% The sources of evidence for assessing these skills will include: the delivered software, project documentation, software demonstration, oral examination, and supervisor's comments.																																			
16.	Mapping of the course/module to the Programme Aims <table><tr><td>A1</td><td>A2</td><td>A3</td><td>A4</td><td>A5</td><td>A6</td><td>A7</td><td>A8</td><td>A9</td></tr><tr><td>4</td><td>5</td><td>4</td><td>4</td><td>4</td><td>4</td><td>4</td><td>3</td><td>0</td></tr></table>												A1	A2	A3	A4	A5	A6	A7	A8	A9	4	5	4	4	4	4	4	3	0						
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17.	Mapping of the course/module to the Programme Learning Outcomes <table><tr><td>LO1</td><td>LO2</td><td>LO3</td><td>LO4</td><td>LO5</td><td>LO6</td><td>LO7</td><td>LO8</td><td>LO9</td><td>LO10</td><td>LO11</td><td>LO12</td></tr><tr><td>4</td><td>5</td><td>4</td><td>4</td><td>4</td><td>3</td><td>4</td><td>3</td><td>4</td><td>3</td><td>2</td><td>3</td></tr></table>												LO1	LO2	LO3	LO4	LO5	LO6	LO7	LO8	LO9	LO10	LO11	LO12	4	5	4	4	4	3	4	3	4	3	2	3
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18.	Content outline of the course/module and the SLT per topic <table><tr><td colspan="12" style="text-align: center;">Details</td></tr><tr><td colspan="12"> The Project will be in two phases: Phase 1: • Project formulation including initial reading/ study, discussion with supervisor to decided about the project • Prototype design and implementation • Demonstration and presentation during the second trimester (grading) </td></tr></table>												Details												The Project will be in two phases: Phase 1: • Project formulation including initial reading/ study, discussion with supervisor to decided about the project • Prototype design and implementation • Demonstration and presentation during the second trimester (grading)											
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	Phase 2 • Full implementation of the Approved projection phase 1 • Presentation and Demonstration • Top few projects (may be five) should be selected as the best final year project by the faculty.
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19.	Main references supporting the course:
	Additional references supporting the course:
20.	Other additional information All materials will be available to the students online.