Course Specification
(Bachelor)

Course Title:	Graduation Project 2
Course Code:	572CIS-3
Program:	Bachelor of Information Systems
Department:	Information Systems
College:	Computer Science and Information Systems
Institution:	*Enter Institution Name.*
Version:	*Course Specification Version Number*
Last Revision Date:	*Pick Revision Date.*

Table of Contents

A. General information about the course:

1. Course Identification

1. Credit hours: (3)					
3 (3,0,0)					
2. Course type					
A.	☐University	☐College	☒ Department	☐Track	Others
B.	☒ Required		☐Elective		
3. Level/year at which this course is offered: (Year 4 / Level 10)					
4. Course General Description:					
Graduation project 2 will allow the students to use their acquired knowledge throughout the program to implement the design that proposed in graduation project 1. It will also assist students to perform testing, to apply appropriate error detection and corrections techniques and help students to evaluate their system/software. Students will be able to work individually as well as in a team. Students will be guided to maintain ethical issues, documentation formats, develop presentation and communication skills, use of references and checking plagiarism. Finally, students will produce a runnable software/developed system in real time along with the final version of project report.					
5. Pre-requirements for this course (if any)**:**					
571CIS-2					
6. Co-requisites for this course (if any)**:**					
7. Course Main Objective(s):					

2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	60	100%

No	Mode of Instruction	Contact Hours	Percentage
2	E-learning		
3	Hybrid • Traditional classroom • E-learning		
4	Distance learning		

3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	**Lectures**	
2.	**Laboratory/Studio**	60
3.	**Field**	
4.	**Tutorial**	
5.	**Others (specify)**	
Total		60

B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
1.0	**Knowledge and understanding**			
1.1				
1.2				
...				
2.0	**Skills**			
2.1	Apply core knowledge areas of computer science and information systems to implement the project.	S1, S3, S5	Class Lectures, working with the team, reading about topic	Presentations, Reports
2.2	Use modern tools and technologies to implement the project.	S2, S4	Class Lectures, working with the team, reading about topic	Presentations, Reports

Code	Course Learning Outcomes	Code of PLOs aligned with the program	Teaching Strategies	Assessment Methods
2.3	Evaluate the system using testing concepts and techniques.	S2	Class Lectures, working with the team, reading about topic	Presentations, Reports
3.0	**Values, autonomy, and responsibility**			
3.1	Plan the development, testing and maintenance activities.	V3	Class Lectures, working with the team, reading about topic	Presentations, Reports
3.2	Demonstrate the ability to work independently and in a team.	V1	Class Lectures, working with the team, reading about topic	Presentations, Reports
3.3	Demonstrate the ability to communicate effectively.	V2	Class Lectures, working with the team, reading about topic	Presentations, Reports
3.4	Produce a complete report of the project work.	V1, V3	Reviews, Feedback	Final Report
3.5	Commit to professional, ethical, legal, security and social issues and responsibilities.	V3	Class Lectures, working with the team, reading about topic	Presentations, Reports

C. Course Content

No	List of Topics	Contact Hours
1.	Review of Project 1 design; Review P2 sample work.	1
2.	Project 2 planning and schedule (break down work, phases, timetable, etc..).	2
3.	Programming language review, UI coding review.	3
4.	Coding (implementation) best practices (Database, middle tier, UI, etc..).	3
5.	**INTRODUCTION** Introduction; P2 planning, link to P1 design; documentation	3
6.	**IMPLEMENTATION** Backend implementation; Testing; documentation	10
7.	**IMPLEMENTATION** Frontend implementation; Testing; documentation	10

8.	**IMPLEMENTATION** Middle tier implementation; Testing; documentation	10
9.	**CHAPTER TWO: Testing** Function and system testing; documentation	6
10.	**CONCLUSION AND FUTURE WORK**	2
11.	Prepare final report (Including Graduation Project 1)	10
Total		

D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Presentation 1 (By supervisor)	5	12
2.	Presentation 2 (By supervisor)	8	12
3.	Final Presentation (By Examiners)	11	25
4.	Final Report (By Examiners)	11	25
5.	Task assignments (By supervisor)	All	26
...			

*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

E. Learning Resources and Facilities

1. References and Learning Resources

Essential References	To be determined by the instructor.
Supportive References	To be determined by the instructor.
Electronic Materials	To be determined by the instructor.
Other Learning Materials	To be determined by the instructor.

2. Required Facilities and equipment

Items	Resources
facilities (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classroom, and the instructor may ask for laboratory if needed.
Technology equipment (projector, smart board, software)	Data show, and the instructor may ask for software if needed.

Items	Resources
Other equipment (depending on the nature of the specialty)	Depends on the project requirements.

F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Students	Indirect
Effectiveness of Students assessment	Instructor, Examiners	Direct
Quality of learning resources	Instructor, Students	Indirect
The extent to which CLOs have been achieved		
Other		

Assessors (Students, Faculty, Program Leaders, Peer Reviewers, Others (specify)

Assessment Methods (Direct, Indirect)

G. Specification Approval

COUNCIL /COMMITTEE	**17th IS Department Council**
REFERENCE NO.	**14460810-0976-00017**
DATE	**10/02/2025**