

College of Computer Science and Information Systems
 Course Code : 492CSS-4
 Contact Hour : 4(0)

Department of Computer Science
 Graduation Project 2
 Prerequisite : 491CSS-4

Coordinator -

2. Course 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.

3. Course Learning Outcomes

SL	By the end of this course, students should be able to:	Linkages to POs
1.	Plan the development, testing, and maintenance activities.	b(S),h(S)
2.	Apply core knowledge areas of computer science and information systems to implement the project.	a(S),g(S),j(S),k(S)
3.	Use modern tools and technologies to implement the project.	c(S),i(S)
4.	Evaluate the system using testing concepts and techniques.	i(S)
5.	Demonstrate his/ her ability to work independently and in a team.	d(S)
6.	Demonstrate his/ her ability to communicate effectively.	f(S)
7.	Commit to professional, ethical, legal, security and social issues and responsibilities throughout project work.	e(S)
8.	Produce a complete report of the project work.	c(S),i(W),j(W)

4. Learning Resources

Text	Information Technology Project Management , Kathy Schwalbe, 7th edition, 2014.
Text	Modern System Analysis & Design- Jeffrey Hpffer, Joey George, Joseph Valacich, 6th edition, Pearson
Text	Benjamin Rosenzwing, Elena Silvestrova, Oracle PL/SQL by Example, Printice Hall, Latest Edition.
Text	Sommerville, Software Engineering, Edition 8, 2007
Text	Herbert Schildt The Complete Reference, JAVA 2, Latest Edition, McGraw Hill Publishing Company Ltd .

5. Course Content : The list below provides a summary of the material that will be covered during the course

Week	Topics	References Book / Others Source	Special Event	Tutorial Activities	Lab Activities
1.	Review of Project 1 design; Review P2 sample work	Project 1 document; Old P2 documents			
2.	Project 2 planning and schedule (break down work, phases, time table, etc..)	Project Management Basics			

3.	Programming language review, UI coding review Coding (implementation) best practices (Database, middle tier, UI, etc..)	Supervisor preferences			
4.	INTRODUCTION Introduction; P2 planning, link to P1 design; documentation	Supervisor preferences			
5.	INTRODUCTION Introduction; P2 planning, link to P1 design; documentation	Supervisor preferences	Presentation 1		
6.	IMPLEMENTATION Back end implementation; Testing; IMPLEMENTATION Back end implementation; Testing; documentation	Supervisor preferences			
7.	IMPLEMENTATION Front end implementation; Testing ; documentation	Supervisor preferences			
8.	IMPLEMENTATION Middle tier implementation; Testing ; documentation	Supervisor preferences			
9.	CHAPTER TWO: Testing Function and system testing; documentation	Supervisor preferences			
10.	CONCLUSION AND FUTURE WORK	Supervisor preferences			
11.	Prepare final report (Including Graduation Project 1)	P2 standards	Presentation 2		
12.	Exam		Presentation 2		

6. Evaluation Scheme: The following list is the contribution of course components to the final grade for the course.

Component	Weight (%)
TasksAssignment (Participation, Tasks Evaluation)	26
Presentations (Presentation 1 and Presentation 2)	12
Reports (Report 1, Report 2, Final Report)	12
Project Supervisor	50
Total	100

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