Al Imam Mohammad ibn Saud Islamic University
College of Computer and Information Sciences

CCIS

Computer Science Department

Course Syllabus
CS493 - Senior Project in Computer Science 2

Catalog Description:	A Graduation Project is a formal assignment chosen by a student or small group of students on certain computer science topic related to the curriculum and involves out-of-class research and development. The graduation project ensures that the students are ready to graduate, equipped with the essential know-how, self-discipline, and mature attitudes required of adult life and/or the demands of college. The project proposal should include: defining the problem statement, identifying system requirements, exploring different solutions for the problem of study, making feasibility study for different solutions, deciding the best candidate solution, preparing time table schedule. Finally, students should present the project interim report at the end of the semester.

Credit Hours: **4 Credit hours:**   **0** Lectures per week   **0** Labs. per week   **0** Recitation per week
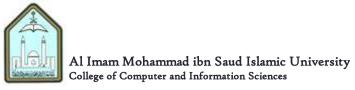
Prerequisites: CS492

Course Learning Outcomes:

1. Apply and integrate the classroom material from several courses by applying mathematical, computing and organizational knowledge learned in the previous courses.
2. Apply principles of software engineering and apply systems concepts to solve real-world problems.
3. Develop and use proper design methodologies and existing tools and use specialist tools and techniques to specify, design, analyze, implement and verify systems.
4. Acquire new knowledge and understanding through critical reading of research material.
5. Gain experience in writing a technical document.
6. Introducing the professional literature and express ideas effectively in oral and written communications.
7. Understand the broader ethical and societal issues that are associated with the computing field.
8. Acquire a foundation in project management.

Major Topics:

· Refine the project objectives
· Survey on the existing systems/ related works.
· Literature review writing
· Define the functional and non-functional specifications.
· Write the analysis chapter
· Design a proposed solution
· Write the Design chapter
· Implementation
· Write Implementation chapter
· Solution testing
· Write the testing part of the report

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· Write conclusion chapter
· Refine the report
· Preparing Poster
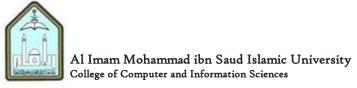· Discussion

Text Books: N/A

Grading:

◉ The grading scale for this course is:

. 95 - 100 A+   Passing
. 90 - 94   A   Passing
. 85 - 89   B+   Passing
. 80 - 84   B   Passing
. 75 - 79   C+   Passing
. 70 - 74   C   Passing
. 65 - 69   D+   Passing
. 60 - 64   D   Passing
. 0 - 59   F   Failing

◉ Final grades will be determined based on the following components:
. 60% Semester Work
. 40% Final Exam

◉ Students may not do any additional work for extra credit nor resubmit any graded activity to raise a final grade.

◉ Late submissions will not be accepted for any graded activity for any reason.

◉ Studentshave one week to request the re-grading of any semester work.

Attendance Policy: Students should attend 80% of the overall course hours taught in the semester as per the University regulations.

If a student fails to achieve this portion, he/she shall not be allowed to appear in the final exam and shall be awarded "DN" grade and repeat the course.

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Cheating and Plagiarism Policy:	The instructor will use several manual and automated means to detect cheating and/or plagiarism in any work submitted by students for this course. When a student is suspected of cheating or plagiarism, the instructor raises the issue to the disciplinary committee.
Communications:	Registered students will be given access to a section of the Blackboard Learning System for this course. Bb will used as the primary mechanism to disseminate course information, including announcements, lecture slides, assignments, and grades. Communication with the instructor on issues relating to the individual student should be conducted using CIS email, via telephone, or in person.