



COMSATS University Islamabad

Department of Computer Science

Course Description Form (CDF)

Course Information				
Course Code: CSC499		Course Title: Senior Design Project II		
Credit Hours: 4(0,4)		Lecture Hours/Week: 0		
Lab Hours/Week: 4		Pre-Requisites: CSC498: Senior Design Project I		
Catalogue Description:				
<p>The Final Year project is a prominent element of computing degree program and is central to the development of students' professional competencies. This is the second part of a two-semester, final-year capstone project. Student teams employ knowledge gained from courses throughout the program such as the development of requirements, design, implementation, and quality assurance to develop a software solution to a real-world problem from conception to completion. In this part, students implement the design they produced in CSC498, test their code, and evaluate their final product.</p>				
Mapping of CLOs and SOs				
Sr.#	Possible Artefacts	Course Learning Outcomes	Blooms Taxonomy Learning Level	SO
CLO-1	Presentation & Seminars	Cultivate ethical behavior, professionalism, and communication with computing society at large.	<i>Creating</i>	5-9
CLO-2	Implementation	Develop appropriate solution using latest technologies for a complex computing problem.	<i>Creating</i>	1-5,9
CLO-3	Testing	Prepare comprehensive Test plans to defend the functionality of the developed product.	<i>Creating</i>	1-5,9
CLO-4	Report	Prepare a formal report describing the work carried out using technical knowledge obtained.	<i>Creating</i>	1,6,9
CLO-5	Presentation	Present clearly and concisely the solution to complex computing problem.	<i>Creating</i>	5-9
Text and Reference Books				
Textbook: None				
Reference Book: As prescribed by the teacher depending on the project's domain				

Evaluation 3: Rubrics for FYP Evaluators					
Total Marks: 15	Criteria	Marginal	Adequate	Good	Excellent
		10%-20% Marks	30%-50% Marks	60%-80% Marks	90%-100% Marks
CLO - 2: Implementation (4)	Modules Completion status (60 %) (4)	Major modules completion is at least 20% of the required percentage.	Major modules completion is at least 50% of the required percentage.	Major modules completion is at least 80% of the required percentage.	Major modules completion is at least 100% of the required percentage.
CLO-3: Testing (4)	Software Testing practices performed on completed modules (4)	Software validation has been applied on 20% of the implementation	Software validation has been applied on 50% of the implementation	Software validation has been applied on 80% of the implementation	Software validation has been applied on 100% of the implementation
CLO-1 & 5: Presentation (3)	Q/A Ability (2.5)	Answer at least one question correctly. Need clarification.	Answer most questions correctly. Need clarification sometimes.	Answer most questions correctly and concisely	Handle difficult questions with ease and confidence. Illustrative explanation.
	Is the student wearing proper attire (0.5)	Student's attire is barely acceptable	Student's attire is appropriate	Student's attire is good	Student's attire is excellent
CLO- 4: Report (4)	Is Document Template followed and plagiarism report submitted? (1)	No	Somewhat	Mostly	100% followed
	Is technical write-up correct? (3)	The document is poorly formatted with many grammatical mistakes	The document is partially formatted with few grammatical mistakes	The document is well formatted with few grammatical mistakes	The document is well formatted with few grammatical correct

Evaluation 3: Rubrics for Supervisor					
Total Marks: 15	Criteria	Marginal	Adequate	Good	Excellent
		10%-20% Marks	30%-50% Marks	60%-80% Marks	90%-100% Marks
CLO-1: Professional Attitude (3)	Regularity (3)	Student has a serious problem with keeping agreed to meeting and deadlines. Supervisor has not been able to get a picture of the status of the work during the project.	Student has been late to meetings or in sending deliverables in a way that have hampered the process. The Supervisor had to prompt the students with questions about the status of the work.	Student has mostly sent deliverables on agreed dates. With only a few exceptions, student(s) have been on time to meetings and in reporting their progress.	Student has kept continuous contact during the work and has been on time both to meetings and in sending deliverables.
CLO-2: Implementation (4)	Modules Completion status (60 %) (4)	Major modules completion is at least 20% of the required percentage.	Major modules completion is at least 50% of the required percentage.	Major modules completion is at least 80% of the required percentage.	Major modules completion is at least 100% of the required percentage.
CLO-3: Testing (3)	Software Testing practices performed on completed modules (3)	Software validation has been applied on 20% of the implementation	Software validation has been applied on 50% of the implementation	Software validation has been applied on 80% of the implementation	Software validation has been applied on 100% of the implementation
CLO-4: Report (5)	Is Document Template followed and plagiarism report submitted? (2)	No	Somewhat	Mostly	100% followed
	Is technical write-up correct? (3)	The document is poorly formatted with many grammatical mistakes	The document is partially formatted with few grammatical mistakes	The document is well formatted with few grammatical mistakes	The document is well formatted with few grammatical correct

Evaluation 4: Rubrics for FYP Evaluators					
TotalMarks: 15	Criteria	Marginal	Adequate	Good	Excellent
		10%-20% Marks	30%-50% Marks	60%-80% Marks	90%-100% Marks
CLO-2: Implementation (4)	Modules Completion status (100 %) (4)	Major modules completion is at least 20% of the required percentage.	Major modules completion is at least 50% of the required percentage.	Major modules completion is at least 80% of the required percentage.	Major modules completion is at least 100% of the required percentage.
CLO-3: Testing (4)	Software Testing practices performed on completed modules (4)	Software validation has been applied on 20% of the implementation	Software validation has been applied on 50% of the implementation	Software validation has been applied on 80% of the implementation	Software validation has been applied on 100% of the implementation
CLO-1&5: Presentation (3)	Q/A Ability (2.5)	Answer at least one question correctly. Need clarification.	Answer most questions correctly. Need clarification sometimes.	Answer most questions correctly and concisely	Handle difficult questions with ease and confidence. Illustrative explanation.
	Is the student wearing proper attire (0.5)	Student's attire is barely acceptable	Student's attire is appropriate	Student's attire is good	Student's attire is excellent
CLO-4: Report (4)	Is Document Template followed and plagiarism report submitted? (1)	No	Somewhat	Mostly	100% followed
	Is technical write-up correct? (3)	The document is poorly formatted with many grammatical mistakes	The document is partially formatted with few grammatical mistakes	The document is well formatted with few grammatical mistakes	The document is well formatted with few grammatical correct

Rubrics for Supervisor					
TotalMarks: 15	Criteria	Marginal	Adequate	Good	Excellent
		10%-20% Marks	30%-50% Marks	60%-80% Marks	90%-100% Marks
CLO-2: Implementation (5)	Modules Completion status (100 %) (5)	Major modules completion is at least 20% of the required percentage.	Major modules completion is at least 50% of the required percentage.	Major modules completion is at least 80% of the required percentage.	Major modules completion is at least 100% of the required percentage.
CLO-4: Report (5)	Is Document Template followed and plagiarism report submitted? (2)	No	Somewhat	Mostly	100% followed
	Is technical write-up correct? (3)	The document is poorly formatted with many grammatical mistakes	The document is partially formatted with few grammatical mistakes	The document is well formatted with few grammatical mistakes	The document is well formatted with few grammatical correct
CLO- 1: Seminars (5)	Student Participation in Seminars (5)	The student has not attended any seminar throughout the tenure of FYP-I	The student has attended limited seminar throughout the tenure of FYP-I	The student has attended most of the seminar throughout the tenure of FYP-I	The student has attended all seminar throughout the tenure of FYP-I

External Evaluator	40 Marks
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