



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**Course Outcomes & CO-PO-PSO Mapping and Justification**

<b>Subject</b>	<b>PROJECT WORK PHASE 1 &amp; 2</b>	<b>18CSP77 / 18CSP83</b>
<b>COURSE OUTCOMES:</b>		
<b>CO No.</b>	<b>On completion of this course, students will be able to:</b>	<b>Cognitive Level</b>
18CSP77/83.1	Analyze the problem, formulation and solution of the selected project	L4
18CSP77/83.2	Develop solutions for contemporary problems using modern tools for sustainable development.	L5
18CSP77/83.3	Demonstrate ethical and professional sustainability while working in a team and communicate effectively for the benefit of the society.	L3
18CSP77/83.4	Understand the engineering, finance and management principles.	L2

**CO-PO-PSO MAPPING**

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
18CSP77/83.1	3	3	1	1	-	-	-	-	-	-	-	-	3	-	-
18CSP77/83.2	3	3	3	2	3	1	2	-	3	3	2	3	3	-	-
18CSP77/83.3	3	3	3	1	-	1	1	3	2	3	1	3	3	-	-
18CSP77/83.4	3	1	3	2	1	-	-	-	-	-	1	2	3	-	-
<b>18CSP77/83</b>	3.0	2.5	2.5	1.5	2.0	1.0	1.5	3.0	2.5	3.0	1.3	2.7	3.0	-	-

## CO-PO-PSO JUSTIFICATION

CO No.	PO/PSO	CL	Justification
18CSP77/83.1	PO1	3	Strongly mapped as the students will be able to analyze the problem to be implemented.
	PO2	3	Strongly mapped as the students will be able to formulate the problem based on the literature survey carried out.
	PO3	1	Slightly mapped as the students will be able to find a solution for the problem identified.
	PO4	1	Slightly mapped as the students will be able to depict the project outcome and future scope.
	PSO1	3	Strongly mapped as the students will be able to implement the application software pertaining to the problem statement.
18CSP77/83.1	PO1	3	Strongly mapped as the students will be able to identify the techniques and algorithms to implement the problem.
	PO2	3	Strongly mapped as the students will be able to develop design methodologies for the system to be developed.
	PO3	3	Strongly mapped as the students will be able to detailed design for each components in the system.
	PO4	2	Moderately mapped as the students will be able to find a feasible solution for the problem designed.
	PO5	3	Strongly mapped as the students will be able to find the relevant tools to implement the problem stated.
	PO6	1	Slightly mapped as the students will be able to find solution for some societal needs.
	PO7	2	Moderately mapped as the students will be able to finds solutions for environmental safety.
	PO9	3	Strongly mapped as the students will be able to work as a team and jointly find a solution for the problem.
	PO10	3	Strongly mapped as the students will be able to communicate their work in reviews and paper presentations.
	PO11	2	Moderately mapped as the students will be able to manage the financial constraints.

	PO12	3	Strongly mapped as the students will be able to apply the analyzing skills in their professional career.
	PSO1	3	Strongly mapped as the students will be able to implement the application software pertaining to the problem designed.
18CSP77/83.1	PO1	3	Strongly mapped as the students will be able to implement the system.
	PO2	3	Strongly mapped as the students will be able to develop test cases for the system.
	PO3	3	Strongly mapped as the students will be able demonstrate the system developed.
	PO4	1	Slightly mapped as the students will be able to interpret and draw conclusions.
	PO6	1	Slightly mapped as the students will be able to relate the system developed for societal needs.
	PO7	1	Slightly mapped as the students will be able to relate the system for environmental safety.
	PO8	3	Strongly mapped as the students will be able to apply ethical principles and commit to professional ethics.
	PO9	2	Moderately mapped as the students will be able to work as a team and present their work carried out.
	PO10	3	Moderately mapped as the students will be able to present their work carried out.
	PO11	1	Slightly mapped as the students will be able to manage the various phases of project development.
	PO12	3	Strongly mapped as the students will be able to apply the communication and interpersonal skills acquired in their professional career.
	PSO1	3	Strongly mapped as the students will be able to demonstrate the working of the system developed.
18CSP77/83.1	PO1	3	Strongly mapped as the students will be able to document their work carried out.
	PO2	1	Slightly mapped as the students will be able to identify alternative solutions for the system.
	PO3	3	Strongly mapped as the students will be able to develop alternative solutions for the system.
	PO4	2	Moderately mapped as the students will be able to compare results with existing works.

	PO5	1	Slightly mapped as the students will be able to find alternative tools to be used.
	PO11	1	Slightly mapped as the students will be able to manage and resolve the issues during project development.
	PO12	2	Moderately mapped as the students will be able to apply project development skills in their professional career.
	PSO1	3	Strongly mapped as the students will be able to document the application software developed.

**Prepared by**

**HoD**

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