

MAPPING OF PROGRAM LEARNING OUTCOMES (PLOs) WITH COMPLEX ENGINEERING PROBLEMS (CEPs)

PLOs		SDP I PRESENTATION	SDP II PRESENTATION	SDP II DEMONSTRATION	SDP I- SDP II REPORT	CEPs			
						WP1	WP2	WP3	EA1
PLO 1	Engineering Knowledge	R1 Subject Knowledge WP1: Depth of knowledge	R1 Subject Knowledge WP1: Depth of knowledge			✓			
PLO 2	Problem Analysis	R2 Problem Statement WP1: Depth of knowledge WP3: Depth of analysis			R1 Literature Review & Problem Statement WP1: Depth of knowledge	✓		✓	
PLO 3	Design/Development of solutions	R3 Project Design Program WP1: Depth of knowledge WP3: Depth of analysis	R2 Project Demonstration WP1: Depth of knowledge WP3: Depth of analysis	R1 Quality and Coding Standards WP2: Range of conflicting requirements	R2 Methodology WP2: Range of conflicting requirements	✓	✓	✓	
PLO 4	Investigation	R4 Analysis and Approach WP1: Depth of knowledge	R3 Investigation WP1: Depth of knowledge		R3 Result & Conclusion WP1: Depth of knowledge	✓			
PLO 5	Modern Tool Usage			R2 Modern Tool Usage WP1: Depth of knowledge	R4 Implementation & Testing WP1: Depth of knowledge	✓			
PLO 6	The Engineer and Society		R4 Impact of engineering solutions in a global, economic, environmental and societal context.				✓		

			WP2: Range of conflicting requirements						
PLO 7	Environment and Sustainability		R5 Project Impact WP1: Depth of knowledge		R5 Project Sustainability Impacts WP2: Range of conflicting requirements	✓	✓		
PLO 8	Ethics		R6 Professional ethical values WP1: Depth of knowledge	R3 Originality WP1: Depth of knowledge	R6 Formatting Style and similarity index WP1: Depth of knowledge	✓			
PLO 9	Individuals and Team work	R5 Team work EA1: Range of resources	R7 Team Work EA1: Range of resources						✓
PLO 10	Communication	R6 Presentation and Viva EA1: Range of resources	R8 Presentation and Viva EA1: Range of resources	R4 Ways of Demonstration WP1: Depth of knowledge	R7 Language and Grammar, Formatting Style WP1: Depth of knowledge	✓			✓
PLO 11	Project Management	R7 Project Schedule and Milestone EA1: Range of resources		R5 Completeness and Accuracy WP1: Depth of knowledge	R8 Completeness and Accuracy WP1: Depth of knowledge	✓			✓
PLO 12	Lifelong Learning	R8 Novelty and Creativity WP3: Depth of analysis		R6 Novelty and Creativity WP3: Depth of analysis				✓	