

**PROGRAM EDUCATIONAL OBJECTIVES-
PROGRAM LEARNING OUTCOME
MAPPING TABLE FOR INDUSTRIAL ENGINEERING PROGRAM**

Program Outcome	Program Educational Objectives			
	PEO1	PEO2	PEO3	PEO4
PLO 1 Apply knowledge of mathematics, physical and information sciences, and engineering sciences to the practice of industrial engineering.	X			
PLO 2 Conduct experiments, as well as to analyze and interpret data.	X			
PLO 3 Recognize their professional, social, and ethical responsibility.			X	X
PLO 4 Identify the effects of engineering solutions in a comprehensive context.	X			
PLO 5 Recognize, formulate, and solve engineering problems.	X	X		
PLO 6 Write and communicate orally using the English language.				
PLO 7 Design, build, improve, and install systems or processes which are efficient, effective, as well as robust to meet desired needs within identified constraints.		X		X
PLO 8 Use the techniques, skills, and engineering tools necessary for engineering and business practice.	X	X	X	X
PLO 9 Perform services in the form of analysis, design, preparation of plans, specifications, estimates, and implementation of work standards	X	X	X	
PLO 10 Identify the impact of professional engineering solutions in societal and environmental contexts, demonstrate knowledge of, and need for sustainable development.		X	X	X
PLO 11 Demonstrate knowledge and understanding of engineering and management principles and apply these to one's work, as a member and leader in a team, to manage projects and in multi-disciplinary environments.		X	X	