



SAPTHAGIRI COLLEGE OF ENGINEERING

Accredited with "A" Grade by NAAC

Department of Mechanical Engineering, NBA ACCREDITED

COURSE OUTCOMES AND COURSE ARTICULATION MATRIX

2021 SCHEME

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
PROGRAM OUTCOMES												PROGRAM SPECIFIC OUTCOMES		
Apply Knowledge	Problem Analysis	Design Solution	Investigation	Modern Tools	Society, Health, Safety, Legal	Environment & Sustainability	Ethics	Individual & Team Work	Report, Documentation, Communication	Proj Mgmt Finance	Life Long Learn	Design, Internal, Manufacturing	Analytical, Experimental, Creativity	Modern Tools, Management, Product Development
				3	2	1	-							

21EME15/25-Elements of Mechanical Engineering

CO1	Describe different sources of energy and calculate steam properties.														
CO2	Summarize the Properties, Composition, and Industrial Application of Engineering Materials														
CO3	Paraphrase the automobile technology in transport application and demonstrate basics of Refrigeration and Air-Conditioning														
CO4	Analyze the Power transmission systems and describe basics of robotics.														
CO5	Describe the concepts of manufacturing and machine tools and latest trends														
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	2	-	-	-	-	2	-	-	-	-	-	-	-	-
CO2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-
CO4	2	2	-	-	-	-	-	-	-	-	-	3	-	-	-
CO5	-	-	-	-	-	-	-	-	-	-	-	3	3	-	-
Average	2.00	2.00	-	-	-	-	2.00	-	-	-	-	3.00	3.00	-	-

21EVN15/25-Engineering Visualization

CO1	Visualize and analyze the objects and Demonstrate the usage of CAD software														
CO2	Identify the interdisciplinary engineering components or systems through its graphical representation														
CO3	Draw orthographic projections of points, lines, planes and solids.														
CO4	Generate the development of lateral surfaces of solids and isometric projections of solids														
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	-	-	-	3	-	-	-	-	3	-	3	-	-	3
CO2	3	-	-	-	3	-	-	-	-	3	-	3	-	-	3
CO3	3	3	-	-	3	-	-	-	-	3	-	3	-	-	3
CO4	3	3	-	-	3	-	-	-	-	-	-	3	-	-	-
Average	3.00	3.00	-	-	3.00	-	-	-	-	3.00	-	3.00	-	-	3.00