

Details of the Pedagogical initiatives for CAY M2 (2021-22)

Sl. No	Course Name / Code	Semester	Faculty Name	Activity Name	Topic Covered	Date(s)	No. of Participants	Objectives/Goals	ICT Used	Relevant POs
1	Mechanics of Materials / 18ME32	III Semester	Mr. Abhishek M R	Presentation on different forms of stresses	Orthographic Projection of Solids	17-01-2022	22	Understand types of stresses and strains	Online Videos	PO1, PO2, PO3, PO4, PO5, PO12, PSO1, PSO2
2	Basic Thermodynamics / 18ME33	III Semester	Mr. Vinod A	Discussion on Basic Concepts	Module 1: Introduction	27-01-2022	25	Understand system-surrounding interaction	-	PO1, PO2, PO12
3	Material Science / 18ME34	III Semester	Santosh Kumar K J	Demo on Composite Materials	Composites, types, applications	19-11-2021	22	Understand composite materials and applications	PPT	PO1, PO2, PO3, PO6, PO12
4	Metal Cutting & Forming / 18ME35A	III Semester	Dr. P N Jyothi	Team-Based Technical Sketching	Lathe & Capstan, Turret Lathes	19-11-2021	22	Enhance technical sketching and machine understanding	YouTube, Animations, 3D Models	PO1, PO3, PO6, PO9, PO10, PO12
5	Applied Thermodynamics / 18ME42	IV Semester	Mr. Vinod A	PPT on Psychrometry	Types of Air Conditioning Systems	10-06-2022	25	Understand AC systems and heat load calculations	PPT	PO1, PO2, PO3, PO4,

										PO5, PO6
6	Fluid Mechanics / 18ME43	IV Semester	Mr. Nishanth Nag H D	U-Tube Manometer Experiment	Basics of Fluid Mechanics	16-06-2022	25	Understand pressure measurement using U-tube	Lab Demo	PO1, PO2, PO3, PO4, PO5, PO6, PO12, PSO1, PSO2
7	Kinematics of Machinery / 18ME44	IV Semester	Mr. Abhishek M R	Case Studies on Mechanisms	Linkages & Mechanisms	09-06-2022	18	Learn about mechanisms via real-life application case studies	Models, PPT, Case Studies	PO1, PO2, PO3, PO4, PO5, PO12
8	Metal Casting & Welding / 18ME45B	III Semester	Dr. P N Jyothi	PPT on Patterns in Casting	Pattern types, materials, and allowances	28-05-2022	15	Understand patterns and design factors in foundry industry	PPT, Diagrams, Videos	PO1, PO2, PO3, PO6
9	Mech. Measurements & Metrology / 18ME46B	IV Semester	Santosh Kumar K J	Demo on Comparators	Construction & working of comparators	07-07-2022	22	Learn about comparator types, uses, and applications	PPT	PO1, PO2, PO3, PO6, PO12