

	4. Practical labs on data analytics for energy systems: energy data visualization, energy consumption profiles classification, fraud or anomaly detection, energy demand and supply forecasting etc.													
Course Intended Learning Outcomes (CILO):	CILO 1: Apply knowledge of mathematics, science, and engineering appropriate to the degree discipline. [POs: a] CILO 2: Identify, formulate and solve engineering problems. [POs: e] CILO 3: Use the techniques, skills, and modern engineering tools necessary for engineering practice appropriate to the degree discipline.[POs: k] CILO 4: Use the computer/IT tools relevant to the discipline along with an understanding of their processes and limitations. [POs: l]													
Major Assessment Methods:	Case Study	Role Playing	Student Presentation	Individual project / paper	Group project / paper	Group discussions	Writing Assignment	Exercises & problems	Service learning	Internship	Field study	Company visits	Reading & Writing Assessments / tests	Listening & Oral Assessments / tests
Class Participation / Discussion 10%			✓			✓								
Final Examination 30%								✓						
Assignment(s) Case Study 20%	✓						✓							
Assignment(s) Project 40%					✓	✓								