



Department of Electrical & Electronics Engineering

Lesson Plan & Work-done Diary for AY:2023-2024, ODD Semester

Course with Code: Energy Audit Projects/21EEP583					Faculty: Dr. Shakunthala C		Semester & Section: V	
Lab No.	Date planned (DD/MM/YY)	Experiment to be covered	TLP Planned	Date of Conduction (DD/MM/YY)	Lab No.	Topics Covered	TLP Executed	Remarks if any deviation
1	Week-1	Course Orientation, Batch Awareness, Introduction	ICT					
2	Week-2	Process to Develop Project Ideas on: Building and Utility Data Analysis: The main purpose of this step is to evaluate the characteristics of the energy systems and the patterns of energy use for the premises considered. The premises characteristics can be collected from the architectural/mechanical/electrical drawings and/or from consultation/discussions with premises operators. The energy use patterns can be obtained from a compilation of utility bills over a period.	Chalk and Talk + ICT					

	Week-3	Process to Develop Project Ideas on: Walk-Through Survey: This step should identify potential energy savings measures. The results of this step are important since they determine if the building warrants any further energy auditing work. Some of the tasks involved in this step are • Identify the customer's concerns and needs • Check the current operating and maintenance procedures • Determine the existing operating conditions of major energy use equipment (lighting, HVAC systems, motors, etc.) • Estimate the occupancy, equipment, and lighting (energy use density and hours of operation). Baseline for Building Energy Use: The main purpose of this step is to develop a base-case model that represents the existing energy use and operating conditions for the building. This model will be used as a reference to estimate the energy savings due to appropriately selected energy conservation measures.	Chalk and Talk + ICT					
4	Week-4	Synopsis Submission	Chalk and Talk + Demo					
5	Week-5	Presentation Week: Phase-I	ICT					
6	Week-6	Presentation Week: Phase-I	ICT					
7	Week-8	Re-Presentation for Unapproved Batches; Lab Work: Development of Project	Chalk and Talk+ Team Work					
8	Week-9	Lab Work: Development of Project	Chalk and Talk					
9	Week-10	Lab Work: Development of Project Code	Chalk and Talk					

	Activity	Planned	Actual	Remarks
1	Lab Classes	15		
2	Assignments/Quizzes/ Self study	1 (Mini Project Work/Batch)		
3	Tutorials/ Extra classes	-		
4	Internal Assessments	2		
5	ICT based Teaching (% of usage in Curriculum)	9/15 (60%)		
Planning			Execution	
Faculty Signature:			Faculty Signature:	
HoD Signature:			HoD Signature:	