

LESSON PLAN

(Academic Session: Aug to Dec 2026)

Program Name	Electrical Engineering
Course Title	ENERGY CONSERVATION AND AUDIT LABORATORY
Course Code	EEPC307
Semester	5th
Course Teacher Name	Er.PankajSundle

Evaluation Scheme

Sr. No	Subject Code	Subject	Study Scheme			Total Study Hours	Credits	Evaluation Scheme									Total Marks
								Internal Assessment			External Assessment						
			Th	Pr	DCS			Th	Pr	Total	Th	Hrs	Pr	Hrs	Total		
1	EEPC 307	ECA LAB	-	2	0	2	1	-	40	40	-	-	60	3	60	100	

Practical Performing Plan

No. of Lab. Classes Planned	Practical to be perform/conduct	Proposed date (as per time table)		Actual Date		Remarks
		G-I	G-II	G-I	G-II	
1.	Identify star labelled electrical apparatus and compare the data for star rating.	13/08/26 & 20/08/26	22/08/26 & 29/08/26			
2.	Determine the reduction in power consumption by replacement of lamps in a class room /laboratory.	27/08/26 & 03/09/26	05/09/26			
3.	Determine the reduction in power consumption by replacement of lamps in classroom/ lab.	10/09/26 & 17/09/26	19/09/26			
4.	Collect electricity bill of residential consumer and suggest suitable means for conservation and reduction of energy bills	24/09/26 & 01/10/26	26/09/26			
5.	Prepare an energy audit report (Phase I)	08/10/26 & 15/10/26	03/10/26 & 17/10/26			
6.	Prepare an energy audit report (Phase II)	22/10/26 & 29/10/26	24/10/26 & 32/10/26			
7.	Prepare an energy audit report (Phase III)	19/11/26 & 26/11/26	21/11/26 & 28/11/26			

Course outcomes: The theory, practical experiences and relevant soft skills associated with this course are to be taught and implemented, so that the student demonstrates the following industry oriented COs associated with the above mentioned competency:

- a) Interpret energy conservation policies in India.
- b) Implement energy conservation techniques in electrical machines.
- c) Apply energy conservation techniques in electrical installations.
- d) Use Co-generation and relevant tariff for reducing losses in facilities.
- e) Undertake energy audit for electrical system.

Prepared by
Danraj Sunde

Recommend for approval please
Checked by
[Signature]
HoD(E&T)

Approved by
[Signature]
Principal
ABVGIEET Pragatinagar

