

Department of Electrical and Electronics Engineering

Lesson Plan & Work-done Diary for AY:2025-26, EVEN Semester



Department of Electrical and Electronics Engineering



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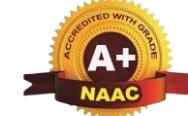
Course with Code: Technologies of Renewable Energy Sources _ BEE654B					Faculty: Dr. Raghavendra L		Semester & Section: VI	
Class No.	Date planned (DD/MM)	Topics to be covered	TLP Planned	Class No.	Date of Conduction (DD/MM)	Topics Covered	TLP Executed	Remarks if any deviation
MODULE-3								
1		Hydrogen Energy: Benefits of Hydrogen Energy, Hydrogen Production Technologies.	PPT with Chalk and Talk ICT	1				
2		Use of Hydrogen Energy, Advantages and Disadvantages.		2				
3		Wind Energy: Windmills, Wind Turbines, Wind Resources, Wind Turbine Site Selection.		3				
4		Geothermal Systems , Classifications, Geothermal Resource Utilization, Resource Exploration.		4				
5		Geothermal Based Electric Power Generation, Associated Problems, environmental Effects.		5				
6		Waste is Wealth, Key Issues, Waste Recovery Management Scheme		6				
7		Advantages and Disadvantages of Waste Recycling		7				
8		Sources and Types of Waste, Recycling of Plastics.		8				

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MODULE-5								
1		Sea Wave Energy: Introduction, Motion in the sea Waves, Power Associated with Sea Waves	PPT with Chalk and Talk	1				
2		Devices for Harnessing Wave Energy, Advantages and Disadvantages of Wave Power.		2				
3		Ocean Thermal Energy: Introduction, Principles of Ocean Thermal Energy Conversion (OTEC)		3				
4		Ocean Thermal Energy Conversion plants, Basic Rankine Cycle and its Working		4				
5		Closed Cycle, Open Cycle and Hybrid Cycle		5				
6		Carnot Cycle, Application of OTEC in Addition to Produce Electricity		6				
7		Advantages, Disadvantages and Benefits of OTEC.		7				
8		Discussion on VTU QP /SRS Activity.		8				



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Sl. No.	Activity	Planned	Actual	Remarks		
1	Theory Classes	40				
2	Assignments/Quizzes/Self-study	3				
3	Tutorials/ Extra classes	-				
4	Internal Assessments	3				
5	ICT-based Teaching. (% of usage in Curriculum)	20				
Planning			Execution			
Faculty Signature:		Faculty Signature:				
HoD Signature:		HoD Signature:				