## BHUBANANANDAORISSASCHOOLOF ENGINEERING, CUTTACK

**A&ET DEPARTMENT** 

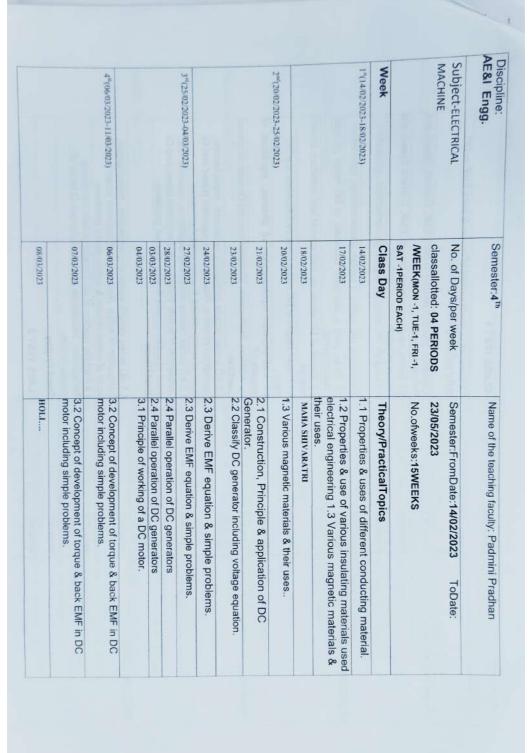
**LESSON PLAN** 

SEMESTER:4TH

SESSION-SUMMER(2022-23)

**SUBJECT: ELECTRICAL MACHINE** 

NAME OF FACULTY : Miss Padmini Pradhan



CLASS TEST 2	08/04/2023	
Good Friday	07/04/2023	
4.4 Find the relation of AC Parallel circuits containing Resistances, Inductance and Capacitances Q-factor of parallel circuits.	04/04/2023	
4.3 AC series circuits containing resistance, capacitances, Conception of active, Reactive and apparent power and C- factor of series circuits & solve related problems.	03/04/2023	8 <sup>th</sup> (03/04/2023-08/04/2023)
Utkal Diwas	01/04/2023	
4.3 AC series circuits containing resistance, capacitances. Conception of active, Reactive and apparent power and Offactor of series circuits & solve related problems.	31/03/2023	
Conception of active, Reactive and apparent power and Q- factor of series circuits & solve related problems.	28-03/2023	
4.2 Addition, Subtraction, Multiplication and Division of priason quantities	27/03/2023	7°(27/03/2023-01/04/2023)
4.1 Mathematical representation of phasors, significant of operator J	25/03/2023	
3.7 Power stages of DC motor & derive Efficiency of a DC motor.	24/03/2023	
3.6 Speed of DC motor by field control and armature control method.	21/03/2023	
3.5 Three point & four-point star/static of DC motor by solid State converter.	20:03/2023	6 <sup>TR</sup> (20/03/2023-25/03/2023)
3.4 Classify DC motors & explain characteristics, application.	18/03/2023	
3.4 Classify DC motors & explain characteristics, application.	17/03/2023	
<ol> <li>3.3 Derive equation relating to back EMF, Current, Speed and Torque equation</li> </ol>	14/03/2023	
<ol> <li>3.3 Derive equation relating to back EMF, Current, Speed and Torque equation</li> </ol>	13/03/2023	S <sup>TH</sup> (13/03/2023-18/03/2023)
3.2 Concept of development of torque & back EMF in DC motor including simple problems.	11/03/2023	The second second
CLASS TEST 1	10/03/2023	

	13/05/2023	12/05/2023	09/05/2023 6. St	T3tb (08:05/2023-13:05/2023) 08:05/2023 fa	06/05/2023 6.3 SP	05/05/2023 6. st	02/05/2023 6.1	12th (01/05/2023-06/05/2023) 01/05/2023 5.8	28/04/2023 5.7	27/04/2023 5.7	26/04/2023 IN	25/04/2023	日由(24/04/2023-29/04/2023) 24/04/2023 5.7	22/04/2023 5.6	21/04/2023 prim		18/04/2023 5.5	10th (17/04/2023-22/04/2023) 17/04/2023 5.4 and	15/04/2023 and			14/04/2023 5.3 Itrans
induction motor.	7.1 Construction features and principle of operation of	6.5 Explain starting of an induction motor by using DUL and Star-Delta stator. State industrial use of induction motor.	6.5 Explain starting of an induction motor by using DOL and Star-Delta stator. State industrial use of induction motor.	6.4 Establish relation between unique, now common and profession.	6.3 Establish relationship between syntamic rows speed and slip of induction motor.	6.2 Principle of development of rotating magnetic lieur in the stator.	6.1 Construction feature, types of titlee-prices induction field in the	5.8 Parallel operation of Transformer. 5.9 Auto Transformer	5.7 Open circuit & short-circuit test (simple problems)	5.7 Open circuit & short-circuit test (simple problems)	INTERNAL ASSESSMENT	INTERNAL ASSESSMENT	5.7 Open circuit & short-circuit test (simple problems)	5.6 Types of losses in Single Phase (1-9) management	primary and secondary Voltages under loadedcondition	primary and secondary voltages under practice of the property of th	5.5 Phasor representation of transformer flux, cull entitlem	and their phasor diagram under no load Condition.	and their phasor diagram under no load Condition.	5.4 Discuss Flux, Current, EMF components of transformer	The section of the se	5.3 Derive of EMF equation of transformer, voltage

