LESSON PLAN

Discipline: Elect. Engg.	**Semester:** Fifth (5th)	**Name of the Lab I/C:** Er. T K Swain
Subject: Electrical Machine Lab-II	**No. of days/week class allotted:** Three (3)	**Semester from Date:** 15.09.22 **to Date:** 22.12.22 **No. of Weeks:** 15
WEEK	**CLASS DAY**	**PRACTICAL EXPERIMENTS**
1st	1st	Study of (manual & semi-automatic) Direct on-line starter, star-delta starter, Connection & running a 3-phase I.M & Measurement of starting current.
	2nd	
	3rd	
2nd	1st	
	2nd	
	3rd	Review Class
3rd	1st	Study of (manual & semi-automatic) Auto transformer starter and rotor resistance starter, Connection & running a 3-phase I.M & Measurement of starting current.
	2nd	
	3rd	Review Class
4th	1st	Study and practice of connection and Reverse the direction of rotation of 3-phase I.M.
	2nd	
	3rd	Review Class
5th	1st	Study and practice of connection and Reverse the direction of rotation of 1-phase I.M.
	2nd	
	3rd	Review Class
6th	1st	OC & SC test of alternator & determination of regulation by synchronous Impedance Method.
	2nd	
	3rd	Review Class
7th	1st	Determination of regulation of alternator by direct loading.
	2nd	

	3rd	
8th	1st	
	2nd	
	3rd	Review Class
9th	1st	Parallel operation of two alternators & study load sharing.
	2nd	
	3rd	Review Class
10th	1st	Heat run test of 3-phase transformer.
	2nd	
	3rd	Review Class
11th	1st	
	2nd	Connection of 3-phase energy meter to 3-phase load.
	3rd	Review Class
12th	1st	Measurement of power of 3-phase load using two wattmeter method & verification of result using one 3-phase wattmeter.
	2nd	
	3rd	
13th	1st	
	2nd	
	3rd	Review Class
14th	1st	Revision
	2nd	
	3rd	
15th	1st	Revision
	2nd	
	3rd	