

COURSE DELIVERY PLAN - LABORATORY

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Department of Electrica	LP: EE22311 Rev. No: 00	
B.E/B.Tech/M.E/M.Tech: EE	Regulation:2022	Date:
PG Specialisation : N/A		02/08/2023
Sub. Code / Sub. Name: EE22311-ELECT	TRICAL MACHINES I LABORATORY	

Session No*	List of Experiments			
	CYCLE-I			
1	Open circuit and load characteristics of D.C separately excited generator			
2	Open circuit and load characteristics of D.C self-excited shunt generator			
3	Load characteristics of D.C. compound generator with differential and cumulative connection			
	CYCLE-II			
4	Load test of D.C. shunt motor & speed control and its 4 quadrant operation of D.C shunt motor			
5	Load test of D.C series motor & Swinburne's test on D.C motor			
6	Load test of DC compound motor and study of starters			
3 ×	CYCLE-III			
7 .	Hopkinson's test on D.C motor – generator set			
8	Load test on single-phase transformer.			
9	Open circuit and short circuit tests on single phase transformer and three phase transformer connections			
	CYCLE-IV			
10	Polarity test and Sumpner's test on transformers			
- 11	Separation of no-load losses in single phase transformer			
ontent beyond sy	of single-phase transformer			

^{*} Session Duration: 150 minutes



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EXPERIMENTS SCHEDULE:

Batch/	A11/	A12/	A13/	A14/	A15/	A16/	A21/	A22/	A23/	A24/	A25/	A26
Session	B11	B12	B13	B14	B15	B16	B21	B22	B23	B24	B25	B26
1	1	1	2	2	3	3	- 1	1	2	2	3	3
7 2	2, 2,	2	3	3	1	1	2	2	3	3	1	1
3	3	3	1	1	2	2	3	3	1	1	2	2
4	4	4	5	5	6	6	4	4	5	5	6	6
5	5	5	6	6	4	4	5	5	6	6	4	4
6	6	6	4	4	5	5	6	6	4	4	5	5
7	7	7	8	8	9	9	7	7	8	8	9	9
8	8	8	9	9	7	7	8	8	9	9	7	7
.9	9	9	- 7	7	8	8 -	9	9	7	7	8	8
10	10	10	10	11	11	11	10	10	10	11	11	11
11	11	11	11	10	10	10	11	11	- 11	10	10	10
12			34	J.	MOI	DEL EX	AMINA'	TION				



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Sub. Code / Sub. Name: EE22311-ELECTRICAL MACHINES-I LABORATORY

Total class strength: 53

Roll Numbers	Batch	Days	Hours
1-27	A1	Tuesday	5-7
28- 47 & 301- 306	A2	Tuesday	5-7

Batch Spilt up for A1:

Roll No	No. of Students
1-5	5
6-10	5
11-15	5
16-19	4
20-23	4
24-27	4
	1-5 6-10 11-15 16-19 20-23

Faculty Members:

Ms. K. Suganthi (Lab In-charge)

Dr. E. Naveen Kumar

Batch Spilt up for A2:

Batch	Roll No	No. of Students
A21	28-31	4
A22	32-35	4
A23	36-39	4
A24	40- 44	4
A25	45- 47& 302	5
A26	302-307	5



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Sub. Code / Sub. Name: EE22311-ELECTRICAL MACHINES-I LABORATORY

Total class strength: 56

Roll Numbers	Batch	Days	Hours
48-75	B1	Monday	5,6,7,
76-93,307-314	B2	Wednesday	5,6,7

Batch Spilt up for B1:

Batch Roll No No. of Students B11 48-52 5 5 53-57 B12 5 B13 58-62 **B14** 63-66 4 **B15** 67-70 4 71-73 4 B16

Batch Spilt up for B2:

Batch	Roll No	No. of Students
B21	74-78	5
B22	79-83	5
B23	84-88	5
B24	89-93	6
B25	308-311	4
B26	312-314	3

Faculty Members:

Mr.V.Karthikeyan (Lab In-charge)

Dr. C.Kamal



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	Prepared by	Approved by
Signature	&A Nhalitzing	KR. Sanl 2-8-23
Name	Ms. K. Suganthi Mr. V. Karthikeyan	Dr. KR. Santha
Designation	AP/EEE	HoD/EEE
Date	02/08/2023	02/08/2023
Remarks*:		
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Remarks*:		
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^{*} If the same lab plan is followed in the subsequent semester/year it should be mentioned and signed by the Faculty and the HOD