


LESSON PLAN FOR-2025(SUMMER)

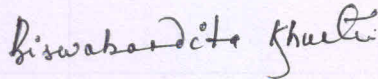
Subject :-FEE(TH-4ab) Name of faculty: **Bhartuhari singh & Biswabandita khuntia**
 Semester :-2nd Class allotted 4p/w Branch :-**Mechanical**

Discipline	Semester:-1ST	From date:-16/08/24 To date:- 10/12/24	Teaching Aid
Subject	No. of days/ per week 4p/w	Theory/ Practical –Topics/Lesson	
Week	Date/Period		

1	04-02-2025 TO 08-02-2025	<ul style="list-style-type: none"> Passive Active Components: Resistances, Capacitors, Inductors, Diodes,. 	White board & marker
2	10-02-2025 TO 15.02.2025	<ul style="list-style-type: none"> Transistors, FET, MOS and CMOS and their Application 	White board & marker
3	17-02-2025 TO 22-02-2025	<ul style="list-style-type: none"> Signals: DC/AC, voltage/current, periodic/non-periodic signals, average, rms, peak values, different types of signal waveforms, Ideal/non-ideal voltage/current sources, 	White board & marker
4	24-02-2025 TO 01-03-2025	<ul style="list-style-type: none"> Operational Amplifiers-Ideal Op-Amp, Practical op amp, Open loop and closed loop 	White board & marker
5	03-03-2025 TO 08-03-2025	<ul style="list-style-type: none"> Introduction to Boolean Algebra, Electronic Implementation of Boolean Operations 	White board & marker
6	10-03-2025 TO 13-03-2025	<ul style="list-style-type: none"> Storage elements-Flip Flops-A Functional block approach, Counters: Ripple, Up/down and decade, 	White board & marker
7	17-03-2025 TO 22.03.2025	<ul style="list-style-type: none"> EMF, Current, Potential Difference, Power and Energy; M.M.F, magnetic force, permeability, hysteresis loop, reluctance, leakage factor and BH curve; 	White board & marker
8	24-03-2025 TO 29-03-2025	<ul style="list-style-type: none"> Dynamically induced emf; Statically induced emf; Equations of self 	White board & marker

		and mutual inductance; Analogy between electric and magnetic circuits	
9	02-04-2025 TO 05-04-2025	<ul style="list-style-type: none"> • Frequency, Periodic time, Amplitude, Angular velocity, RMS value, Average value, 	White board & marker
10	07-04-2025 TO 12-04-2025	<ul style="list-style-type: none"> • A.C in R-L series, R-C series, R-L-C series and parallel circuits; Power in A. C. Circuits, power triangle. 	White board & marker
11	16-04-2025 TO 19-04-2025	<ul style="list-style-type: none"> • Form Factor Peak Factor, impedance, phase angle, and power factor; 	White board & marker
12	21-04-2025 TO 26-04-2025	<ul style="list-style-type: none"> • configurations, Application of Op-Amp as amplifier, adder, differentiator and integrator. 	White board & marker
13	28-04-2025 TO 03-05-25	<ul style="list-style-type: none"> • phasor representation of alternating emf and current; Voltage and Current relationship in Star and Delta connections; A.C in resistors, inductor capacitors; 	White board & marker & smart board
14	05-05-2025 TO 10-05-2025	<ul style="list-style-type: none"> • Electromagnetic induction, Faraday's laws of electromagnetic induction, Lenz's law; 	White board & marker
15	13-05-2025 TO 17-05-2025	<ul style="list-style-type: none"> • Introduction to digital IC Gates (of TTL Type). 	White board & marker


Signature of HOD


Signature of faculty