Dicipline: ELECTRICAL ENGG.	Semester :4th Sem	Name of the Teaching faculty: Swetaleena Dehury
Subject: EM & I	No.of days/per week classalloted:5p (55Minutes)/week	Semester From date: 16 Jan 2024 to Date : 23 April 2024 . Of Weeks:15
Week	Class Day	Theory Topics
1st (Jan-2024)	16/1/24	Define Accuracy,Precision,Error,Resolution, Senistivity & tolerance
	17/1/24	Classification of Measuring Instrument
	17/1/24	Explain Deflecting,controlling & Damping torque in idicating type of instrument
	18/1/24	Calibration of Instrument
	19/1/24	Tutorial classes
2nd(Jan-2024)	22/1/24	Analog Ammeter And Voltmeter
	24/1/24	Explain Moving Iron Type Instrument
	25/1/24	Permanent Magnent Moving Coil Type instrument
	25/1/24	Merits Demerits and error of Pmmc and Mi type instrument
	27/1/24	Tutorial classes
3rd(Jan/Feb-2024)	29/1/24	Dynamometer Type Instrument
	30/1/24	Rectifier Type Instrument
	1/2/24	Induction Type Instrument
	2/2/24	Tutorial classes
	2/2/24	Tutorial Classes
4th (Feb-2024)	5/2/24	Extend the range of instrument by use of shunt & multipliers
	5/2/24	solve numerical
	6/2/24	Tutorial classes
	7/2/24	Wattmeter and measurement of power
	7/2/24	Dynamometer Type wattmeter
5th(Feb-2024)	8/2/24	LPF type, UPF type
	9/2/24	Error in dynamometer type wattmeter & method of their correction
	10/2/24	Class test -1
	12/2/24	Induction Type Instrument
	13/2/24	Induction of energy meter & measurement of energy
	15/2/24	Tutorial classes
6th (Feb-2024)	16/2/24	1phase induction type energy meter and their Compensation & Adjustment
	19/2/24	Testing of Energy meter
	20/2/24	Explain Tachometer
	21/2/24	Mechanical & Electrical resonance type frequency meter
	22/2/24	Tutorial classes
	23/2/24	Classification of Resistance

Swetaleena Dehury
16/01/24

7th	23/2/24	Measurement of low resistance by potentiometer method
	26/2/24	measurement of medium resistance by wheat stone bridge method
8th (Feb/Mar-2024)	26/2/24	Measurement of high resistance by loss of charge method
	28/2/24	Tutorial classes
	29/2/24	Explain Megger,Earth Tester
	1/3/24	Construction & principle of Multimeter
	4/3/24	Tutorial classes
	6/3/24	Measurement of inductance by maxwell's bridge method
9th (March-2024)	4/3/24	Measurement of capacitance by schering bridge method
	6/3/24	Sensor & Transducer
	6/3/24	Measurement of high resistance by loss of charge method
	7/3/24	Define Transducer,sensing element or detector element & transduction element
	10/3/24	Tutorial Classes
10th (March-2024)	12/3/24	Classify Transducer
	12/3/24	Example of various class of Ttansducer
	13/3/24	Resistive Transducer and it's type
	14/3/24	Thermistor and resistance thermometer
	15/3/24	Tutorial classes
11th (March-2024)	18/3/24	INTERNAL
	19/3/24	INTERNAL
	20/3/24	INTERNAL
	21/3/24	INTERNAL
	22/3/24	INTERNAL
12th(March/ April-2024)	27/3/24	Linear & angular motion potentiometer ,Wire resistance strain gauge
	28/3/24	Inductive Treansducer , LVDT
	2/4/24	Capacitive Transducer,Variable area capacitive Transducer
	3/4/24	change in distance between plate capacitive transducer
12th(April-2024)	4/4/24	Piezo Electric transducer
	4/4/24	Tutorial classes
	5/4/24	Hall Effect
	8/4/24	Application of Hall Effect
	9/4/24	Introduction to Oscilloscope
14th (April-2024)	10/4/24	Principle operation of CRT
	12/4/24	Tutorial classes
	15/4/24	Principle operation of CRO
	16/4/24	CRO
	18/4/24	measurement of DC Current
15th (April-2024)	18/4/24	measurement of dc voltage
	19/4/24	Measurement of Ac voltage
	22/4/24	measurent of AC current

Sweta Leena Dehury
16/01/24

23/4/24	measurement of phase , FREQUENCY
23/4/24	Tutorial Classes

Swetaleena Dehury
16/01/24