and three phase power factor meters.  MEASUREMENT OF RESISTANCE, INDUCTANCE & CAPACITANCE	1st	20.03.2023
resonance Type frequency meters.  resonance Type frequency meters.	5th	
Tachometers, types and working principles  Principle of operation and construction of Mechanical and Electrical	4th	
MEASUREMENT OF SPEED, FREQUENCY AND POWER FACTOR	2nd 3rd	18.03.2023
working principle and their compensation & adjustments.	1st	13.03.2023 to
ENERGYMETERS AND MEASUREMENT OF ENERGY	5th	
correction.	401	11.03.2023
The Frrors in Dynamometer type wattmeter and methods of their	3rd	06.03.2023
DOLO PURNIMA	2nd	
wattmeter. (LPF and UPF type)	1st	
WATTMETERS AND MEASUREMENT OF POWER	5th	
Solve Numerical	4th	04.03.2023
Extend the range of instruments by use of shunts and wultipliers	3rd	to
Induction type instruments	2nd	27 02 2023
Rectifier type instruments	1st	
Dynamometer type instruments	5th	
Permanent Magnet Moving coil type instruments.	4th	25.02.2023
Moving iron type instruments.	3rd	20.02.2023
Describe Construction, principle of operation, cristis, and of the demonstration of the demon	2nd	
ANALOG AMMETERS AND VOLTMETERS	1st	
type of instruments. Calibration of instruments.		18.02.2023
Explain Deflecting, controlling and damping arrangements in increasing	4th	to
Classification of measuring instruments.	3rd	14.02.2023
Define Accuracy, precision, Errors, Resolutions Sensitivity and toleralice.	2nd	
MEASURING INSTRUMENTS	1st	
Theory	CLASS/DAY	WEEKS - 15
SEMESTER FROM-14.02.2023 to 25.05.2023 No of weeks:15	NO OF CLASS/WEEKS Allotted:5	SUBJECT:- ELECTRICALMEA SUREMENT & INSTRUMENTATI ON
NAME OF THE FACULTY ELISUINI DOGGETY	SEMETER – 4t Sem (2022-2023)	DISCIPLINE (ELECTRICAL ENGG.)
The series of th		

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to

		Classification of engirthness
25.03.2023	3rd	Classification of resistance
	4th	Measurement of low resistance by potentiometer method.
	5th	Measurement of medium resistance by wheat Stone bridge method.
	1st	Measurement of medium resistance by wheat Stone bridge method.
27.03.2023	2nd	Measurement of high resistance by loss of charge method.
to	3rd	Measurement of high resistance by loss of charge method.
01.04.2023	4th	RAMA NAVAMI
	5 <sup>th</sup>	Construction, principle of operations of Megger & Earth tester for
		insulation resistance and earth resistance measurement respectively.
		Construction, principle of operations of Megger & Earth tester for
		insulation resistance and earth resistance measurement respectively.
	1st	Construction and principles of Multimeter. (Analog and Digital)
03.04.2023	2nd	Construction and principles of Multimeter. (Analog and Digital)
to	3rd	Measurement of inductance by Maxewell's Bridge method.
08.04.2023	4th	Measurement of capacitance by Schering Bridge method
	5th	GOOD FRIDAY
	1st	SENSORS AND TRANSDUCER
10.04.2023	2nd	SENSORS AND TRANSDUCER
to	3rd	Define Transducer, sensing element or detector element and
15.04.2023		transduction Elements
13.04.2023	4th	Define Transducer, sensing element or detector element and
		transduction Elements
	5th	MAHA SVISUBA SANKRANTI
	1st	Classify transducer. Give examples of various class of transducer.
17.04.2023	2nd	Resistive transducer
to	3rd	Linear and angular motion potentiometer.
22.04.2023	4th	Thermistor and Resistance thermometers.
	5th	Thermistor and Resistance thermometers.
	1st	Wire Resistance Strain Gauges
24.04.2023	2nd	Wire Resistance Strain Gauges
to	3rd	Inductive Transducer
29.04.2023	4th	Inductive Transducer
-	5th	Principle of linear variable differential Transformer (LVDT)
	1st	Principle of linear variable differential Transformer (LVDT)
	2nd	Uses of LVDT.
01.05.2023	3rd	Capacitive Transducer.
to	4th	General principle of capacitive transducer.
06.05.2023	5th	BUDDHA PURNIMA
	1st	General principle of capacitive transducer.
00.05.2022	2nd	Variable area capacitive transducer
08.05.2023	3rd	Change in distance between plate capacitive transducer.
to 13.05.2023	4**	Piezo electric Transducer and Hall Effect Transducer with their
		applications.  Piezo electric Transducer and Hall Effect Transducer with their
	5**	
	N SLOW S	applications.  OSCILLOSCOPE
	1st	OSCILLOSCOPE
15.05.2023	2nd 3 <sup>rd</sup>	Principle of operation of Cathode Ray Tube.
to	3	Printagle of operation of cathode hay rect.

08/02/23

20.05.2023	4 <sup>th</sup>	Principle of operation of Cathode Ray Tube.
	5 <sup>th</sup>	SABITRI AMABASYA
22.05.2023 To 25.05.2023	1 <sup>st</sup>	Principle of operation of Oscilloscope (with help of block diagram).
	2 <sup>nd</sup>	Principle of operation of Oscilloscope (with help of block diagram).
	3 <sup>rd</sup>	Measurement of DC Voltage & current.
	4 <sup>th</sup>	Measurement of AC Voltage, current, phase & frequency.

88/02/22 98/02/22