

Sl. No.	DATE	PERIOD	TOPICS TAUGHT	REMARKS
			characteristics, P	
42	09/11/2023	I	Faraday Rotation,	
43	10/11/2023	II	Ferrite components - Gyration,	
44	11/11/2023	IV	Isolator,	
			scattering matrices-	
45	14/11/2023	IV	scattering matrix properties,	
46	16/11/2023	III	Directional couplers - 2 Hole,	
47	17/11/2023	II	Bethe Hole,	
48	18/11/2023	VI	[S] matrix of magic Tee and circulator.	
			microwave measurements-	
49	20/11/2023	III	Description of microwave Bench - Different blocks and their features,	
50	21/11/2023	IV	errors and precautions,	
51	22/11/2023	I	measurement of Attenuation, - Frequency.	
52	23/11/2023	V	standing wave measurements,	
53	28/11/2023	II	measurement of low and high VSWR,	
54	29/11/2023	I	cavity Q,	
55	29/11/2023	IV	Impedance measurements.	
			optical-fiber Transmission media-	
56	30/12/2023	II	optical-fiber types,	
57	30/12/2023	IV	light propagation,	
58	1/12/2023	V	optical fiber configurations,	
59	1/12/2023	VI	optical fiber classifications,	
60	2/12/2023	IV	Losses in optical fiber cables,	
61	2/12/2023	I	light sources,	
62	4/12/2023	III	optical sources	
63	4/12/2023	II	light detectors	
64	5/12/2023	V	LASERS,	
65	5/12/2023	IV	WDM concepts,	



Teaching Diary

2022-23

Measurements and Instrumentation

Sl. No.	DATE	PERIOD	TOPICS TAUGHT	REMARKS
	10/9/22	1	Unit I: Introduction to Measuring Instruments & types.	
	12/9	1	classification-deflecting, control and damping torques, Ammeters and voltmeters, PMMC, MI type instruments, expression for the deflecting torque and control torque. Errors and compensations,	
	13/9-14/9	2	extension of range using shunts and series resistance, electro-static voltmeters, electro-meter type and attracted disc type, extension of range of E.S. Voltmeters.	
	15/9-19/9	3		
	20/9	1	Numericals	
	20/9-20/9	3	Unit II: potentiometers and Instrument transformers.	
	27/9-27/9	3	Principle and operation of D.C. Compton's potentiometer, Standardisation, Measurement of unknown resistance, current, voltage, A.C. potentiometers, polar and coordinate types, Standardisation, applications.	
	1/10	1	C.T. and P.T. Ratio and Phase angle errors.	
	10/10/22	1	Numericals	
	11/10/22-17/10	3	Unit III: Measurement of power and Energy	
	18/10-27/10	5	1- ϕ dynamometer wattmeter, LPF and UPF, double element and 3 element dynamometer wattmeter, expression for deflection and	
	29/10-3/11	5		
	5/11/22	1		
	7/11/22	1		
	9/11-19/11	8		

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Sl. No.	DATE	PERIOD	TOPICS TAUGHT	REMARKS
			control torques, Extension of range of wattmeter using instrument transformer, Measurement of active and reactive powers in balanced and unbalanced systems,	
21/11-23/11		3		
24/11-28/11		3	1- ϕ induction type energy meters driving and braking torques, errors and compensations, testing by phantom loading using R.S.S. meter,	
29/11-30/11		2	3- ϕ energy meter, tri-vector meter, maximum demand meter.	
1/12/22		1	Numericals	
3/12/22		1	Unit IV : DC & AC Bridges.	
5/12/22		1	Method of measuring low, medium and high resistance.	
6/12 - 10/12		4	Sensitivity of wheat-stone's bridge, Carey Foster's bridge, Kelvin's double bridge for measuring low resistance,	
12/12		1	measurement of high resistance - loss of charge method.	
13/12-15/12		3	Measurement of inductance - Maxwell's bridge, Hay's bridge, Anderson's bridge, Owen's bridge.	
17/12-21/12		4	Measurement of capacitance and loss angle: Desauty's bridge, Wien's bridge, Schering bridge	
22/12			Numericals	
24/12/22			Unit : 5 - Transducers	
			Definition of transducers, Classification of transducers.	

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Cloud Computing

Sl. No.	DATE	PERIOD	TOPICS TAUGHT	REMARKS
1	5/8/2022	UNIT-1 V	High-performance computing	
2	8/8/2022	IV	parallel computing	
3	10/8/2022	VII	Distributed computing	
4	13/8/2022	I	cluster computing	
5	17/8/2022	VII	Grid computing	
6	20/8/2022	I	cloud computing	
7	23/8/2022	II	Big computing	
8	24/8/2022	VII	Mobile computing	
9	26/8/2022	V	Quantum computing	
10	29/8/2022	IV	Optical computing	
11	30/8/2022	II	Nano computing	
12	2/9/2022	UNIT-2 V	Motivation for cloud computing	
13	5/9/2022	IV	The Need for cloud computing	
14	6/9/2022	II	Defining a cloud computing	
15	9/9/2022	V	Definition of cloud computing	
16	12/9/2022	IV	cloud computing is a service	
17	14/9/2022	VII	cloud computing is a platform	
18	16/9/2022	V	principles of cloud computing	
19	19/9/2022	IV	Five Essential characteristics	
20	21/9/2022	VII	Four cloud Deployment Models	
21	23/9/2022	UNIT-3 II	cloud Architecture	
22	10/10/2022	IV	Layer	
23	12/10/2022	VII	Anatomy of the cloud	
24	14/10/2022	V	Network connectivity in cloud computing	
25	18/10/2022	II	Applications on the cloud	
26	21/10/2022	V	Managing the cloud Infrastructure	
27	28/10/2022	V	Managing the cloud Application	
28	31/10/2022	IV	Migrating Application to cloud	
29	7/11/2022	IV	Phases of cloud Migration Approaches	
30	9/11/2022	VII	for cloud Migration	
31	11/11/2022	UNIT-4 V	Infrastructure as a service	
32	12/11/2022	I	Characteristics of IaaS	
33	14/11/2022	IV	Limitability of IaaS	

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Sl. No.	DATE	PERIOD	TOPICS TAUGHT	REMARKS
34	15/11/2022	II	pros and cons of PaaS	
35	16/11/2022	VII	summary of PaaS providers	
36	18/11/2022	V	platform as a service	
37	19/11/2022	I	characteristics of PaaS	
38	22/11/2022	II	scalability of PaaS	
39	23/11/2022	VII	pros and cons of PaaS	
40	25/11/2022	V	summary of PaaS providers	
41	26/11/2022	I	software as a service	
42	28/11/2022	IV	characteristic of SaaS	
43	29/11/2022	II	scalability of SaaS	
44	30/11/2022	VII	pros and cons of SaaS	
45	2/12/2022	V	summary of SaaS providers	
46	3/12/2022	UNIT-5 I	EMC	
47	5/12/2022	IV	EMC IS	
48	6/12/2022	II	captiva cloud Toolkit	
49	7/12/2022	V	Google	
50	9/12/2022	IV	cloud platform	
51	10/12/2022	I	cloud storage	
52	12/12/2022	IV	Google cloud connect	
53	13/12/2022	II	Google cloud print	
54	14/12/2022	VII	Google App Engine	
55	16/12/2022	V	Amazon web service	
56	17/12/2022	I	Amazon Elastic compute cloud	
57	19/12/2022	IV	Amazon simple storage service	
58	20/12/2022	II	Amazon simple queue service	
59	21/12/2022	VII	Microsoft	
60	23/12/2022	V	windows Azure	
61	24/12/2022	II	Microsoft Azure management planning toolkit	
62	28/12/2022	VII	share point	
63	30/12/2022	II	IBM	
64	31/12/2022	I	Cloud Models	
65	2/1/2023	IV	IBM smart cloud	
66	3/1/2023	II	Ansible	

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