Specimen of lesson Plan

Name of the Faculty : Smt. Shalini Garg
Discipline : Electronics and Communication Engg.
Semester : 3rd
Subject : Electronic Instrument and Measurement
Lesson Plan Duration : Aug-2019-Nov 2019
Work Load (Lecture/ Practical) per week (in hours): 03 HOURS (Lecture) 3(P)

Week	Theory		Practical day	Topic
	Lecturer	Topic Covered		
Ist	1	Introduction to measurement, Instruments types	Ist	Introduction to Measurement
	2	Method of Measurement, Discussion of Specifications of Instruments		
	3	Loading Effect		
2nd	1	Importance and application of Standard and calibration	2nd	Introduction to Measurement
	2	Queries		
	3	Measurement of DC voltage and DC current		
3rd	1	Meassurement of AC voltage and AC current	3rd	Measurement of voltage, resistance, frequency using multimeter
	2	introduction to PMMC instrument		
	3	Construction of PMMC instrument		
4th	1	Working of PMMC instrument	4th	Measurement of voltage ,frequency, timeperiod and phase using CRO
	2	Construction of Moving Iron type instrument		
	3	Working of moving Iron Instrument		
5th	1	Sessional ist	5th	Practical File checking
	2	Introduction to cathode Ray Tube		
	3	working of CRT		
6th	1	Block diagram of basic CRO	6th	Measurement of voltage ,frequency, timeperiod and phase using DSO
	2	working of CRO, Front Panel Control		
	3	Introduction to triggered sweep oscillope		
7th	1	Principle of Wheat Stone Bridge	7th	Measurement of Q of coil
	2	Measurement of Voltage, Frequency Phase Using CRO		
	3	Revision		
8th	1	Introduction to DSO	8th	File checking
	2	Block Diagramof DSO		
	3	Working Of DSO		
9th	1	Introduction to Bridges	9th	Viva-voice
	2	Principle of Wheat Stone Bridge		

	3	Maxwell Induction Bridge		
10th	1	Hay Bridge	10th	Viva-voice
	2	De-Sauty Bridge		
	3	Schering Bridge		
11th	1	Anderson Bridge	11th	Measurement ofresistance and Inductance using RLC Bridge
	2	Anderson Bridge		
	3	Introduction to RLC Bridge		
12th	1	Specifications of RLC Bridge	12th	Measurement of imdedence using Maxwell Induction Bridge
	2	Introduction to Q meter		
	3	Block Diagram Explanation		
13th	1	Introduction to Low frequency and Radio frequency Generator	13th	Measurement of unknown resistance using Wheat Stone Bridge
	2	Explanation of Pulse Generator		
	3	Function Generator		
14th	1	Explanation of Distortion Factor Meter	14th	Measurement of Distortion Using DFM
	2	Instrumentation Amplifier		
	3	Characteristics ,Need and Working		
15th	1	Comparison between Analog and digital Instrument	15th	Use of Logic Probe and Pulsar
	2	Working of Ramp, Dual Slope DVM		
	3	Working of Logic Probe, Pulsar		
16th	1	Working of Logic Analyzer	16th	Viva-Voice
	2	Signature Analyzer		
	3	Intergration Type DVM, Limitations of Digital Multimeter		