

Lesson Plan

Name of Faculty : Loveleena Sr. Lect.
 Discipline : I&C Engg.
 Semester : 4th Sem.
 Subject : Industrial Communication
 Lesson Plan Duration : 15 weeks(from March 2023 to June 2023)
 Work Load (lecture/practical)per week (in hours) :

Lectures- 03, practical- 03

Week	Theory		Practical	
	Lecture Day	Topic	Practical Day	Practical Topic
1	1	Introduction and applications of telemetry	1	
	2	Methods of data transmission	2	
	3	Block Diagram of general Telemetry system	3	
2	4	Land Line Telemetry	4	
	5	Voltage telemetry	5	
	6	Current Telemetry	6	
3	7	Position Telemetry	7	
	8	Ratio Telemetry	8	
	9	A.M., F.M.	9	
4	10	Block diagram of P.A.M.	10	All files are checked
	11	Block diagram of P.C.M.	11	
	12	Pneumatic Transmitter	12	
5	13	PDPT bellow type	13	Viva Voice 1
	14	PDPT diaphragm type	14	
	15	Force balance type	15	
6	16	Hydraulic Transmitter	16	
	17	Bellow type	17	
	18	Electric Transmitter	18	
7	19	Resistive Transmitter	19	
	20	Inductive Transmitter	20	
	21	Wire line channels	21	
8	22	Radio Channels	22	All files are checked
	23	Multiplexing channels	23	
	24	Time division multiplexing	24	
9	25	Frequency division multiplexing	25	Viva Voice 2
	26	Block diagram of data communication	26	
	27	Amplitude shift keying	27	
10	28	Assignment 2	28	
	29	Revision of sessional test 2		
	30	Sessional test 2		
11	31	Frequency shift keying	31	
	32	Phase shift keying	32	
	33	General view of instrumentation buses	33	
12	34	GPIB	34	All files are checked
	35	Interbus and Profibus/Profinet	35	
	36	Ethernet/LAN	36	
13	37	HART Communication Protocol	37	
	38	Fibre Optic Communication	38	
	39	Revision	39	
14	40	Revision	40	All files are checked
	41	Revision	41	
	42	Revision	42	
15	43	Assignment 3	43	Viva Voice 3
	44	Revision of sessional test 3	44	
	45	Sessional test 3	45	