

LESSON PLAN**NAME OF FACULTY : Rajesh Jindal****DISCIPLINE : Food Technology- G.P. MANDI ADAMPUR****SEMESTER : V****SUBJECT : INSTRUMENTATION AND PROCESS CONTROL****LESSON PLAN DURATION: 08 WEEKS****WORK LOAD -Theory - 5/week**

Theory		
Week	lecture day	Topic (including assignment/test)
1st	1st	Introduction
	2nd	Importance of instruments in process industries.
	3rd	Classification of instruments
	4th	Classification of instruments
	5th	Static characteristics of instrument.
2nd	1st	Dynamic characteristics of instrument.
	2nd	Temperature Measurement: Thermometer
	3rd	Thermocouple, Thermister
	4th	pyrometer, Pyrometer working
	5th	Pyrometer applicationS
3rd	1st	Pressure Measurement: Intro
	2nd	Manometers
	3rd	Manometers
	4th	Bourdon gauge
	5th	Bourdon gauge
4th	1st	Measurement of vacuum
	2nd	Measurement of pressure
	3rd	Liquid level measurement-Direct
	4th	Liquid level measurement-Direct
	5th	differential method
5th	1st	differential method
	2nd	Flow Measurements
	3rd	Orifice
	4th	Orifice
	5th	Venturi meter
6th	1st	Venturi meter
	2nd	Conductivity
	3rd	Rotameter
	4th	pitot tube
	5th	Measurement of viscosity
7th	1st	Humidity
	2nd	pH value
	3rd	TSS
	4th	Industrial weighing system

	5th	Industrial weighing system
8th	1st	Automatic process control: intro
	2nd	Classification
	3rd	Types of controllers
	4th	Applications
	5th	

