

Course Code: EIPS - 212	
Course Title: Industrial Instruments Lab	
Number of Credits: 03	Total Hours: 84 Total Marks: 75
Prerequisites for the course	
Understanding of basic electronics and instrumentation	
Objectives of Course	
Students will be introduced to practical aspects of different sensors. They will also take some examples for understanding the PLC controller used in the industry.	
Course Content	84 Hours
Expt. 1: Understanding of pressure gauge Expt. 2: Working of Thermocouple Expt. 3: Demonstration of Level sensing Expt. 4: Humidity sensor Expt. 5: pH measurement Expt. 6: Understanding of PLC Expt. 7: Simple load such as relay and switches Expt. 8: Logic function implementation Expt. 9: Interfacing of PLC Expt. 10: Case study of PLC for industrial application	
Pedagogy	
Lab experiments	
Course Outcome	
In this course students will learn practical aspects of instrumentation by using sensors and controllers. After finishing this module they will get more exposure of the industrial instrumentation processes.	