

MUFFAKHAM JAH COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF ELECTRICAL ENGINEERING

COURSE END SURVEY

Please take time to complete this survey in the class. Your thoughtful objective responses to each question are highly valued part of the teaching and learning improvement process.

Subject Name: Electronic Instrumentation Systems

Academic Year: 2017-2018

Class: B.E. (EIE) FINAL YEAR II-SEM

Name:

Roll No:

The following survey is an indirect assessment of your technical abilities with respect to subject mentioned above. Please read the following carefully and based on self assessment of your own capabilities and tick the appropriate one.

	Course Outcomes & Survey Questions	Yes	No
CO1	Describe the interfacing of transducers with various amplifiers & Data convertors		
	Q1: I Can express an Instrumentation Amplifier & its Applications.		
	Q2: I Can describe various types of DACs & ADCs.		
CO2	Explain operation & features of different types of Digital voltmeters and multimeters		
	Q1 I Can define various techniques involved in digital meters.		
	Q2: I Can express the various losses occurring in digital voltmeters.		
CO3	Explain working operation of various Wave analyzers required for an instrumentation system		
	Q1: I can explain the working of wave analyzers.		
	Q2: I can analyze various techniques for distortion measurement.		
CO4	Describe a Computer controlled testing system for interfacing & testing electronic instruments		
	Q1: I can explain how audio/radio amplifier can be tested using a digital interface		
	Q2: I can describe IEEE 488 BUS for electrical interface		
CO5	Express various techniques involved in digital instrumentation using Analog & Digital CROs.		
	Q1: I can name different parts of CRO with their significance.		

Q2: I can express the operation of magnetic recorder & digital storage oscilloscope.		
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⇒ Please turn over to refer the program outcomes and course outcomes

Course End Survey of Opto-Electronic Instrumentation based on PO of EIE Department Program Outcomes of EIE Department

1. Apply the knowledge of Mathematics, Basic Science and Engineering science for solutions of complex engineering problems in the field of Electronic, measurement and control
2. Analyze and identify a problem using the principles of mathematics and basics and engineering sciences
3. Design a system consisting of sensors, actuators and processors with constraints to meet the societal and environmental requirement
4. Plan and conduct experiments, interpret and analyze data to present valid conclusions
5. Use software tools for simulation and modeling of engineering problems and, IT tools for presentation, report writing and data analysis
6. Apply contextual knowledge to assess societal, health and safety issues
7. Understand the importance of the electronics and Instrumentation engineering solutions on societal & environment and suggest steps for sustainable development
8. Apply professional ethics and responsibilities of the engineering practice in chosen profession
9. Work effectively as an individual or in a team
10. Communicate effectively in any complex engineering working environment and do documentation and make presentation of any report writing work assign
11. Understand engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects
12. Identify, learn and adapt to latest areas in Electronics and Instrumentation engineering

Mapping of PO with Course Outcomes of EIS

Subject Code: EE 452	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO12
Subject Name: EIS												
CO1							2					
CO2												2
CO3			1									
CO4												2
CO5												3

Course coordinator Module Coordinator

Program Coordinator