

Department of Instrumentation Engineering

Graduate Attributes and Program Outcomes

Graduate Attributes	Program Outcomes
1. Engineering Knowledge	a. An ability to apply knowledge of computing, mathematics, science and engineering fundamentals appropriate to the instrumentation engineering.
2. Problem Analysis	b. An ability to define the problems and provide solutions by designing and conducting experiments, interpreting and analysing data.
3. Design & Development of Solutions	c. An ability to design, implement and evaluate the process, component, or program to meet desired needs having appropriate consideration for public health and safety.
4. Investigation of Complex Problem	d. An ability to investigate, formulate, analyze and provide appropriate solution to the engineering problems.
5. Modern Tools Usage	e. An ability to use current techniques, skills, and modern tools necessary for engineering practice.
6. Engineer and Society	f. An ability to understand the impact of engineering solution in global, economic and social context.
7. Environment & Sustainability	g. An ability to understand the environmental issues and provide a sustainable system.
8. Ethics	h. An ability to understand and practice; professional ethics, legal and social issues.
9. Individual & Team work	i. An ability to function effectively as an individual or as a team member, to accomplish the goal.
10. Communication	j. An ability to communicate effectively at different levels.
11. Lifelong Learning	k. An ability to keep abreast with contemporary technologies through lifelong learning.
12. Project management & Finance	l. An ability to apply the knowledge of Instrumentation engineering for development of projects, products & processes considering principles of financial & other resource management.

PSO1:

Program Specific Outcomes PSO	Statement
PSO1	An ability to apply knowledge of computing, mathematics, science and engineering fundamentals appropriate to the instrumentation engineering.
PSO2	An ability to employ modern Instrumentation systems and various platforms in analysing and solving the industrial Instrumentation engineering problems.