



**Walchand College of Engineering
Department of Electronics Engineering
(Polytechnic Wing)**



Vision and Mission of the Institute

VISION

To produce capable graduate engineers with an aptitude for research and leadership

MISSION

- To impart quality education through demanding academic programs.
- To enhance career opportunities for students through exposure to industry
- To promote excellence by encouraging creativity, critical thinking and discipline.
- To inculcate sensitivity toward society and a respect for the environment.

Vision and Mission of the Industrial Electronics Program

VISION

Be an Electronics Engineering Diploma program of the first choice by the aspiring students and prospective employers and higher education by implementing better education practices.

MISSION

Department of Electronics Engineering is committed for:

- Adopting MSBTE updated academic curricula and implementing innovative teaching learning processes.

- Providing opportunities to the students for the development of professional skills with ethics.
- Inculcating in students the life-long learning attitude and sensitivity towards society and environment

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

The graduate students will, after completion of 3 years of DIE Program,

- **PEO-1:** Provide socially responsible, environment friendly solutions to Industrial Electronics related broad-based problems adapting professional ethics
- **PEO-2:** Adapt state-of-the-art Industrial Electronics broad-based technologies to work in multidisciplinary work environments
- **PEO-3:** Solve broad-based problems individually and as a team member communicating effectively in the world of work

PROGRAM OUTCOMES (POs)

POs are statements that describe what students are expected to know and be able to do upon graduating from the program. The POs essentially indicate what the students can do from subject-wise knowledge acquired by them during the program.

- 1) Basic and Discipline specific knowledge: Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.
- 2) Problem analysis: Identify and analyse well-defined engineering problems using codified standard methods.
- 3) Design/ development of solutions: Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.

- 4) Engineering Tools, Experimentation and Testing: Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.
- 5) Engineering practices for society, sustainability and environment: Apply appropriate technology in context of society, sustainability, environment and ethical practices.
- 6) Project Management: Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.
- 7) Life-long learning: Ability to analyse individual needs and engage in updating in the context of technological changes.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSOs are a statement that describes what students are expected to know and be able to do in a specialized area of discipline upon graduation from a program.

At the time of graduation, student will be able to:

PSO-1: Industrial Electronic Systems: Maintain (Troubleshoot) Electronics based Equipment.

PSO-2: Industrial Electronic Processes: Use Industrial Electronics/ Automation Technologies to control the industrial processes