

National Institute of Electronics and Information Technology(NIELIT), Aurangabad



Programme Educational Objectives – Statements

The Programme Educational Objectives (PEOs) define the career and professional accomplishments that the programme is preparing graduates to achieve within three to five years of graduation. The PEOs of the Diploma in Electronics Production and Maintenance programme at NIELIT Aurangabad are as follows:

PEO No.	Statement
PEO 1	Provide socially responsible, environment-friendly solutions to Electronics and Telecommunication engineering-related broad-based problems adapting professional ethics.
PEO 2	Adapt state-of-the-art Electronics and Telecommunication engineering broad-based technologies to figure in multi-disciplinary work environments.
PEO 3	Solve broad-based problems individually and as a team member communicating effectively within the world of labor.

NATIONAL INSTITUTE OF ELECTRONICS & INFORMATION TECHNOLOGY

(NIELIT) AURANGABAD

An Autonomous Scientific Society under Ministry of Electronics & Information Technology (MeitY), Govt. of India

PROGRAMME SPECIFIC OUTCOMES (PSO)

Diploma in Electronics Production and Maintenance (DEPM)

DTE Code: 2031 | Intake: 60 | Academic Year 2024–25

A. Programme Specific Outcomes

Programme Specific Outcomes (PSOs) describe the knowledge, skills, and competencies that students are expected to acquire specifically through the Diploma in Electronics Production and Maintenance programme at NIELIT Aurangabad. These outcomes reflect the unique technical focus of the programme and complement the broader Programme Educational Objectives (PEOs) and Programme Outcomes (POs).

PSO No.	Statement
PSO 1	Electronics Production Competency: Apply the knowledge of electronic circuits, PCB design, component testing, and production processes to assemble, inspect, and maintain electronic equipment as per industry standards and quality norms.
PSO 2	Maintenance and Troubleshooting Skills: Diagnose, service, and repair a wide range of electronic systems and equipment including consumer electronics, industrial controllers, and communication devices using appropriate tools, instruments, and systematic fault-finding techniques.
PSO 3	Quality, Safety, and Documentation Practices: Follow standard operating procedures, safety protocols, and documentation practices in electronics production and maintenance environments, ensuring compliance with quality standards such as ISO and industry norms.