

Programme Learning Objectives for Diploma in Industrial Electronics (Mechatronics)

At the end of the programme, graduates should be able to:

PLO	PLO Statement
PLO 1	Apply knowledge of mathematics, science, engineering fundamentals and engineering specialisation principles to well – defined practical procedures and practices
PLO 2	Analyse well-defined engineering problems in their discipline or area of specialisation
PLO 3	Formulate solutions to well-defined technical problems
PLO 4	Assist in formulation of systems, components or processes to meet specified needs
PLO 5	Conduct investigations of well-defined problems
PLO 6	Apply appropriate techniques, resources and engineering tools to well-defined engineering activities, with an awareness of their limitation
PLO 7	Demonstrate an awareness of and consideration for societal, health, safety, legal and cultural issues and their consequent responsibilities
PLO 8	Communicate effectively with the engineering community and society at large
PLO 9	Function effectively in a diverse technical team
PLO 10	Demonstrate an understanding of professional ethics, responsibilities and norms of engineering technology practices
PLO 11	Demonstrate an awareness of management, business practices and entrepreneurship
PLO 12	Demonstrate an understanding of the impact of engineering practices, taking into account the need for sustainable development
PLO 13	Recognise the need for professional development and to engage in independent and lifelong learning