

## Programme Learning Objectives for Diploma in Industrial Electronics (Electronics & Information Technology)

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

| PLO    | PLO Statement  |
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| 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   |