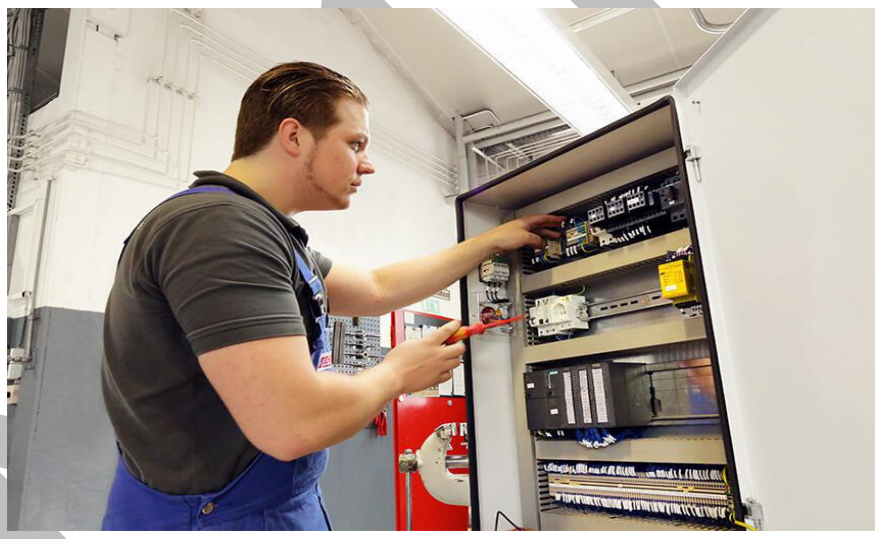
Industrial Mechatronics Technician

Competency Standards Code: D33S001
Source: National Competency Standard

National Certificate at NVQ Level 04 (four) in the occupation of Industrial Mechatronics

Technician will be awarded to those who are competent with this units

01 + 02 +03+04+05+06+07+08+09+10 - D33S001Q1L4 – NVQ Level 4



NATIONAL APPRENTICE AND INDUSTRIAL TRAINING AUTHORITY,
No.971, Sri Jayawardanapura Mawatha, Welikada,
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Telephone. 0112888782-7 **Email: naitaitd@yahoo.com**

Unit of competency	Elements of Competence
1. Service, repair and maintain electrical appliances and machineries D33S001U01	1. Prepare work activities
	2. Carry out maintenance of electrical appliances, Motors and accessories.
	3. Diagnose fault and repair inelectrical appliances and machines
	4. Install and test electrical appliance & machines
	5. Reinstate work area
2. Install and wire electrical distribution systems D33S001U02	1. Prepare work activities related to wiring and installation
	2. Lay / fix electrical conduit, trunking, casing and draw wires / cables.
	3. Wire consumer units / panels and switchgear components
	4. Install / mount electrical accessories
	5. Reinstate work area
3. Install, maintain and troubleshoot PLC based control systems	1. Prepare work activities
	2. Install of PLC devices
	3. Maintain PLC devices and PLC based control systems
	4. Troubleshoot PLC based control systems
	5. Reinstate work area
4. Service and repair power supply and regulation systems D33S001U04	1. Prepare for work activities
	2. Service power supply and regulation systems
	3. Diagnose fault in power supply and regulation systems
	4. Repair power supplies and regulation systems
	5. Reinstate work area
5. Diagnose faults in Industrial Motor Control Systems D33S001U05	1. Prepare for work activities
	2. Remove motor control system from machine
	3. Diagnose faults in control system
	4. Reinstate work area
6. Install, repair and maintain integrated electro mechanical systems D33S001U06	1. Prepare for work activities