



Skill Development Programme for Employment

प्रविष्टि तिथि: 01 DEC 2025 5:25PM by PIB Delhi

Under the Government of India's Skill India Mission (SIM) , the Ministry of Skill Development and Entrepreneurship (MSDE) delivers skill, re-skill and up-skill training through an extensive network of skill development centres under various schemes, viz. Pradhan Mantri Kaushal Vikas Yojana (PMKVY), Jan Sikhshan Sansthan (JSS), National Apprenticeship Promotion Scheme (NAPS) and Craftsman Training Scheme (CTS) through Industrial Training Institutes (ITIs), to all the sections of the society across the country.

Under PMKVY, short-term skill training, recognition of prior learning, and customised industry-led skilling programmes are developed and conducted in collaboration with the Electronics Sector Skill Council and leading industry partners. Electronics and Hardware Sector Job Roles since last 5 years under PMKVY is placed at **Annexure-I**.

Courses are periodically updated with inputs from the industries to ensure alignment with industry requirements and workforce demand. These courses are anchored in the National Skills Qualifications Framework (NSQF) and operate under the regulatory oversight of NCVET.

Further, Directorate General of Training (DGT), under the Ministry of Skill Development & Entrepreneurship (MSDE), has developed 169 NSQF-compliant trades, including 09 Courses in the sector 'Electronics & Hardware' to cater the needs of industry in terms of skilled manpower across the country. This training is provided through a network of Industrial Training Institutes (ITIs) and National Skill Training Institutes (NSTIs) under the Craftsmen Training Scheme (CTS). The courses developed in the last five years in the Electronics & Hardware sector are placed at **Annexure-II**.

Annexure-I

Sector Name	Job Role Name
Electronics and Hardware	Assembly Line Operator
Electronics and Hardware	Assembly Operator - RAC
Electronics and Hardware	Assembly Operator-TV
Electronics and Hardware	Assistant Installation Computing And Peripherals
Electronics and Hardware	Assistant Technician- Air Conditioner
Electronics and Hardware	Assistant Technician- CCTV

Electronics and Hardware	Assistant Technician- Computer Hardware
Electronics and Hardware	Assistant Technician DTH Service
Electronics and Hardware	Assistant Technician- Home Appliances
Electronics and Hardware	Assistant Technician LED Repair
Electronics and Hardware	Assistant Technician- Networking & Storage
Electronics and Hardware	Assistant Technician- Smartphone Hardware
Electronics and Hardware	Assistant Technician- Solar Panel Installation
Electronics and Hardware	Battery System Assembly Operator
Electronics and Hardware	Battery System Design Engineer
Electronics and Hardware	Battery System Repair Technician
Electronics and Hardware	Building Management System Project Manager
Electronics and Hardware	CCTV Installation Technician
Electronics and Hardware	Customer Care Executive
Electronics and Hardware	DAS Set Top Box Installation & Service Technician
Electronics and Hardware	Digital Cable Technician - Access
Electronics and Hardware	Drone Manufacturing and Assembly Technician
Electronics and Hardware	Drone Service Technician
Electronics and Hardware	DTH Set Top Box Installation & Service Technician
Electronics and Hardware	Electrical Assembly Operator - Control Panel
Electronics and Hardware	Electrical Technician
Electronics and Hardware	Electrician
Electronics and Hardware	Electronic Hardware Assembly Operator

Electronics and Hardware	Electronics Machine Maintenance Executive
Electronics and Hardware	Embedded Full-Stack IoT Analyst
Electronics and Hardware	Embedded Product Design Engineer-Technical Lead
Electronics and Hardware	Embedded Software Engineer
Electronics and Hardware	EMS Technician
Electronics and Hardware	Field Engineer RACW
Electronics and Hardware	Field Technician - Air Conditioner
Electronics and Hardware	Field Technician ComputingAnd Peripherals
Electronics and Hardware	Field Technician NetworkingAnd Storage
Electronics and Hardware	Field Technician Other Home Appliances
Electronics and Hardware	Field Technician-UPS and Inverter
Electronics and Hardware	HVAC Technician
Electronics and Hardware	Incoming Materials Inspector - Electronics Items
Electronics and Hardware	Installation Technician ComputingAnd Peripherals
Electronics and Hardware	In-Store Demonstrator
Electronics and Hardware	Internet of Things (IoT) Assistant
Electronics and Hardware	Internet of Things (IoT) Developer
Electronics and Hardware	IoT Hardware Analyst
Electronics and Hardware	IT Coordinator In School
Electronics and Hardware	Junior Field Technician- Home Appliance
Electronics and Hardware	LED Light Repair Technician
Electronics and Hardware	LED Luminary Mechanical Assembly and Testing Technician

Electronics and Hardware	Maintenance Technician
Electronics and Hardware	Mechanical Engineering and Plumbing General Manager
Electronics and Hardware	Mechanical Fitter Electronics
Electronics and Hardware	Mechatronics Designer and System Integrator
Electronics and Hardware	Mechatronics Maintenance Specialist
Electronics and Hardware	Mobile Phone Hardware Repair Technician
Electronics and Hardware	Motor & Controller Repairing Technician
Electronics and Hardware	Motor and Controller Design Engineer
Electronics and Hardware	Multi Skill Technician (Electrical)
Electronics and Hardware	PCB Assembly Operator
Electronics and Hardware	Pick and Place Assembly Operator
Electronics and Hardware	Project Manager - Electronics
Electronics and Hardware	Purchase-Executive
Electronics and Hardware	Quality Manager - Electronics
Electronics and Hardware	Remote Helpdesk Technician
Electronics and Hardware	Robotics Automation Lead
Electronics and Hardware	Sales Executive
Electronics and Hardware	Service Technician - Home Appliances
Electronics and Hardware	Smartphone Assembly Technician
Electronics and Hardware	Solar LED Technician
Electronics and Hardware	Solar Panel Installation Technician
Electronics and Hardware	Solder Ball Attach Process Engineer

Electronics and Hardware	Store Assistant
Electronics and Hardware	Through-hole Assembly Operator
Electronics and Hardware	TV Repair Technician
Electronics and Hardware	VLSI Design Engineer
Electronics and Hardware	Welding Operator Electronics
Electronics and Hardware	Winding Operator
Electronics and Hardware	Wireman Control Panel
Electronics and Hardware	Wireman Control Panel Electronics
Electronics and Hardware	Wiring Harness Assembly Operator

Annexure-II

Sl No	Name of the Trade	Educational Qualification	Duration	NSQF Level from 2024-25	Developed in year
1	Smartphone Technician Cum App Tester	10th	Six Months	3	2018
2	Technician Electronics System Design And Repair	10th	Two Years	4	2023
3	Semiconductor Technician	12th	One Year	4.5	2024

This information was given by the Minister of State (Independent Charge), Ministry of Skill Development and Entrepreneurship (MSDE), Shri Jayant Chaudhary in a written reply in the Lok Sabha today.

SH/IS

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