



Skill India
कौशल भारत - कुशल भारत



सत्यमेव जयते



Directorate General of Training

Government of India
Ministry of Skill Development and Entrepreneurship
Directorate General of Training
Regional Directorate of Skill Development and Entrepreneurship

भारत सरकार
कौशल विकास और उद्यमिता मंत्रालय
प्रशिक्षण महानिदेशालय
कौशल विकास और उद्यमिता का क्षेत्रीय निदेशालय

இந்திய அரசு
திறன் மேம்பாட்டு மற்றும் முனைவோர் அமைச்சகம்
திறன் மேம்பாடு மற்றும் தொழில்முனைவு பிராந்திய இயக்குநரகம்

NATIONAL SKILL TRAINING INSTITUTE

GUINDY, CHENNAI - 600 032



TRAINING BROCHURE

2025 - 2026



for Registration

No.10, Alandur Road, NSTI Campus, Guindy, Chennai - 600032

Phone: 044 - 2250 1211,

Website : <https://nstichennai.dgt.gov.in>

Email: rdsde-tn-msde@gov.in

For Registration: <https://rdsdetn.in>

Under AVTS, click on "Registration for Short Term Courses"

Contact: P. Namasivayam, Deputy Director @ 9444632551 for further enquiries.

The Directorate General of Training is the apex organization for development and co-ordination at National level programmes relating to Vocational Training including Women's Vocational Training and Employment Services. Industrial Training Institutes are under the administrative and financial control of State Governments or Union Territory Administrations. DGT also operates Vocational Training Schemes in some of the specialised areas through field institutes under its direct control. Development of these programmes at national level, particularly in the area concerning common policies, common standards and procedures, Training of Instructors and Trade Testing is the responsibility of the DGT.

National Skill Training Institute Chennai was established in 1968 under the aegis of Directorate General Training (DGT), Ministry of Skill Development and Entrepreneurship, Government of India, New Delhi with the assistance from United Nations Development Programme (UNDP) / International Labour Organisation (ILO) to impart training and updating the skills of Engineers / Supervisors / Technicians / Executives of Industrial personnel & faculties of educational institutions through courses of short duration conducted in modules and Tailor made courses as per the specific needs of their Industries / Govt Estt. / PSUs / Technical Institutions. The courses are conducted for higher skill upgradation through intensive skill oriented training by using the latest version of equipment and machinery used in industry.

Vision

NSTI Chennai provides innovative, effective and integrated training opportunities for people who need new skills to enjoy the dignity that comes with Employment, Independence and Self Reliance.

Mission

To continuously hone the skills of industrial workforce for higher productivity bridging the gap between academics and industries for suitable placement for young generation in technical fields.

Short Term Courses under Advanced Vocational Training Scheme (AVTS)

- I. Short-term courses of up to 2 weeks duration in Engineering disciplines.
- II. Special Course duration can be extended up to 4 weeks.
- III. Courses for skill upgradation can also be organised in basic engineering fields such as Fitting, Tool and Die Making, Carpentry, Plumbing, Electrical, Electronics, and Principles of Teaching.

Eligibility Criteria

for Regular Courses	for Tailor Made Courses
Degree / Diploma/ NAC/ NTC in relevant discipline.	The qualification requirements may be relaxed for industry sponsored candidates with relevant industrial experience.

Fee Structure for Regular Courses

Candidates sponsored from Medium and Large - scale Industries in both public and Private sector	Rs. 2000/- per Trainee per week
Candidates sponsored from Small Industries and Private candidates	Rs. 1000/- per Trainee per week
Candidates nominated by Government Departments like Railways, Defence etc.	Rs. 1250/- per Trainee per week
Candidates sponsored from Educational Institute like Polytechnic / Engg. College & other related Technical Institutions etc.	Rs. 1000/- per Trainee per week

Fee Structure for Tailor Made Courses / Special Advanced Level Courses

Candidates sponsored from Medium and Large - scale Industries in both Public and Private sector.	Rs. 4000/- per Trainee per week
Candidates nominated by Government Departments like Railways, Defence etc.	Rs. 2500/- per Trainee per week
Candidates sponsored from Educational Institute like Polytechnic / Engg. College & other related Technical Institutions etc.	Rs. 2000/- per Trainee per week

Other Fees

1. Application Cum Registration fees	Rs. 100/- per Trainee per Course
2. Hostel Rent fees	Rs. 100/- per day per participant in case Hostel Accommodation is Required
3. Gymkhana Fees	Rs. 10/- per Course for Regular Courses Rs. 15/- per Course for the Tailor - made courses

- The payment of fees (excluding Gymkhana fees) can be made by visiting <https://bharatkosh.gov.in>
- The step-by-step procedure is available at <https://rdsdetn.in/avtsonlinepmt.pdf>
- Fees can also be paid through NEFT. Gymkhana fees must be paid in cash only.

Note

- The Regional Director reserves the right to cancel or postpone a scheduled program or course due to administrative reasons, without assigning any specific reason.
- In the event of a closed or declared holiday, the program/course will commence on the next working day and conclude on the last working day of the schedule.
- Before reporting to the Institute, online registration is mandatory at <https://rdsdetn.in>

CNC Machining

Name of the Course	Course Code	Duration	Regular Course Schedules	
CNC Turning Operation & Programming (Fanuc & Siemens Sinumerik Control Systems)	250101	2 Weeks	21-04-25 to 02-05-25 02-06-25 to 13-06-25 04-08-25 to 15-08-25 15-09-25 to 26-09-25	27-10-25 to 07-11-25 22-12-25 to 02-01-26 02-02-26 to 13-02-26

Course Contents: Introduction to CNC Turning Centers, Elements of CNC and its Principles. Co-ordinate Systems, Preparatory and Miscellaneous Functions, Different Offset Methods and its Application, Jaw Settings, Tool Settings. Selection of Tools and application of Parameters. Part Programming by different methods for OD and ID Turning operations, Application of Subroutines. Creating, Editing and checking the Program using Simulator. Introduction to CAM, Machining the Parts on the Machine.



CNC Machining...Cont'd

CNC Milling Operation & Programming (Fanuc & Siemens Sinumerik Control Systems)	250102	2 Weeks	05-05-25 to 16-05-25 16-06-25 to 27-06-25 18-08-25 to 29-08-25 06-10-25 to 17-10-25	10-11-25 to 21-11-25 05-01-26 to 16-01-26 16-02-26 to 27-02-26
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Course Contents: Introduction to CNC Vertical Machining Centers, Elements of VMC and its Principles. Co-ordinate Systems, Preparatory and Miscellaneous Functions for VMC, Different Offset Methods and its Application using Tool Presetter & 3D Probes, Fixture & Tool Settings. Selection of Tools and application of Parameters. Part Programming by different methods for Milling & Drilling operations, Applying Rotation, Mirroring & Scaling Commands for Part Programming, Application of Subroutines. Creating, Editing and checking the Program using Simulator. Introduction to CAM Programs, Machining the Parts on the Machine

Application of Mastercam in Turning, Milling & Multiaxis Machining for Different Control Systems	250103	2 Weeks	19-05-25 to 30-05-25 14-07-25 to 25-07-25	08-12-25 to 19-12-25 16-03-26 to 27-03-26
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Course Contents: Introduction to Mastercam, Understanding the user Interface, Different commands, Menu bar & Tool Bars used for creating 2D Geometry & 3D Solids for Turning & Milling Modules, Turning module with Turning Tool paths and its application. Milling Module with 2D & 3D Tool paths and its application. Multiaxis Tool paths for Advanced Milling application. Art Cam Module for Art applications. Optimization of Cycle time using different Tool paths. Setup sheet generation with Tool path information. Post processors for the Program generation to meet the machine controls & sample Machining on the Machine.

Basic & Advanced CNC Milling in 4th & 5th Axis with Siemens Sinumerik 828D / 840D	250104	2 Weeks	30-06-25 to 11-07-25 01-09-25 to 12-09-25 24-11-25 to 05-12-25	19-01-26 to 30-01-26 02-03-26 to 13-03-26
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Course Contents: Introduction to CNC Vertical Machining Centers, Elements of VMC and its Principles. Co-ordinate Systems, Preparatory and Miscellaneous Functions for VMC, Different Offset Methods and its Application using Tool Presetter & 3D Probes, Fixture & Tool Settings. Introduction to Axis Definitions & Machine Kinematics. Elements of CNC Machines for 4th and 5th Axis Machining. Work Offset & Tool Offset on the Machine. Applying Cycle800 for 3+2 Axis Positioning and applying Cycle832 for Advanced Surface. Applying Transformation commands for 4th & 5th Axis Machining and making the Part Programs. Introduction to Mastercam. Simulating the Program using the Simulator. Performing the Parts Machining.

Basic Maintenance of CNC Machines	250105	1 Week	28-07-25 to 01-08-25	30-03-26 to 03-04-26
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Course Contents: Course Contents: Elements of CNC Machines, Industrial Safety & 5's, Identification of Machine Elements, Total Machine Cleaning, Centralized Lubrication System & Hydraulics & Pneumatics- Servicing of Centralized Lubrication System, Checking the Lubrication Oil at the End User, Introduction to Electrical Drives & Encoders Feedback Control Systems their possible Failure & Alarm Systems- Causes of Breakdown & Troubleshooting, Servicing of Hydraulic System Elements

CNC Milling Application on Turnmill Center	250106	1 Week	20-10-25 to 24-10-25	09-02-26 to 13-02-26
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Course Contents: Introduction to CNC Turnmill Centers Principles of C&Y axis Machining. Co-ordinate Systems, Preparatory and Miscellaneous Functions for Turn Milling Operations, Different Offset Methods and its Application, Jaw Settings, Tool Settings. Selection of Tools and application of Parameters. Part Programming by different methods for Axial and Radial Milling & Drilling Operations, Application of Subroutines. Creating, Editing and checking the Program using Simulator. Machining the Parts on the Machine

CNC Turning Operation & Programming with Fagor 80551	250107	2 Weeks	21-04-25 to 02-05-25	27-10-25 to 07-11-25
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Course Contents: Introduction to CNC Turning Centers, Elements of CNC and its Principles. Co-ordinate Systems, Preparatory and Miscellaneous Functions, Different Offset Methods and its Application, Jaw Settings, Tool Settings. Selection of Tools and application of Parameters. Part Programming by different methods for OD and ID Turning operations, Application of Subroutines. Creating, Editing and checking the Program using Simulator. Machining the Parts on the Machine

Metrology & Engineering Inspection

Name of the Course	Course Code	Duration	Regular Course Schedules	
Calibration of Dimensional Measuring Instruments & Gauges	250201	1 Week	28-04-25 to 02-05-25 14-07-25 to 18-07-25 15-09-25 to 19-09-25	10-11-25 to 14-11-25 02-02-26 to 06-02-26 23-03-26 to 27-03-26

Course Contents: Terminology used in Metrology, Calibration procedure for vernier calipers (IS-36651), External Micrometer (IS-2967), Vernier height gauges (IS-2921), Plunger type dial gauges (IS-2092), Lever type dial gauge (IS-11498), Calibration of Micrometer (Internal & External), Vernier caliper, Vernier Height gauge, Gear tooth vernier caliper and Dial test Indicator, checking flatness of reflective surfaces by using Monochromatic light and optical flat, Dial Gauge Calibrator, Calibration practices using Slip Gauges, Caliper Checker, 2D Height Master, Surface Roughness Measurements.

Geometrical Dimensioning & Tolerancing (GDT)	250202	1 Week	09-06-25 to 13-06-25 18-08-25 to 22-08-25	08-12-25 to 12-12-25 02-03-26 to 06-03-26
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Course Contents: Terminology used in metrology, checking of straightness of Straight surface by using Spirit level and checking by Dial gauges, V-Block and checking flatness of reflective surfaces by using Monochromatic light and optical flat, Measure/inspect straightness, flatness and roundness using Co-ordinate Measuring Machine (Mechanical), Demonstration of Profile Projector, GD & T Features (Tolerances of Form, Orientation, Location & Runout, Positioning)



Metrology & Engineering Inspection...Cont'd

Role of Statistical Process Control (SPC) in Industry 4.0	250203	1 Week	23-06-25 to 27-06-25 28-07-25 to 01-08-25	24-11-25 to 28-11-25 16-02-26 to 20-02-26
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Course Contents: Understand the need of SPC, Apply SPC in process of work, acquire statistical knowledge about measurement results, understanding the plotting and interpretation of the various control charts used in SPC, Quality Tools – Control charts, Process Capability Studies, Cause and Effect Diagram and Pareto Analysis, Analysis of measurement errors using various samples and interpreting the results.

Measurement System Analysis (MSA) for Waste Reduction in Manufacturing	250204	1 Week	19-05-25 to 23-05-25 22-09-25 to 26-09-25	13-10-25 to 17-10-25 05-01-26 to 09-01-26
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Course Contents: Applying the meanings of MSA terminologies correctly and effectively, understand measurement systems analysis methods and the interpretation of measurement unit analysis, Recognize the relationship of MSA to your quality system management, Acquire statistical knowledge about measurement results and their relationships to the gauge and products

Heat Treatment & Material Testing

Name of the Course	Course Code	Duration	Regular Course Schedules	
Metallographic Preparation and Identification of Metallic Materials	250301	1 Week	21-04-25 to 25-04-25 16-06-25 to 20-06-25 04-08-25 to 08-08-25	27-10-25 to 31-10-25 01-12-25 to 05-12-25 09-02-26 to 13-02-26

Course Contents: Metallography Technique & its principles, Metallographic sampling, Mounting and preparation of metallographic specimens, Etching metallographic specimens, Overview of etchants for different materials such as steel, cast iron, aluminium, copper, etc., Principles of metallurgical microscope, Study of microstructures and its grain size and behaviour, Practice on sample preparation, polishing and etching, Practice on viewing different type of materials with respect to its microstructural observations, Practice on type of grains and the measurement of grain sizes, Practice on macro etching-grain flow pattern, Practice on hardness test

Heat Treating of Ferrous and Non - Ferrous Alloys	250302	1 Week	05-05-25 to 09-05-25 21-07-25 to 25-07-25 06-10-25 to 10-10-25	19-01-26 to 23-01-26 09-03-26 to 13-03-26
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Course Contents: Basic metallurgical theory of Heat Treatment, Introduction to steel and its mechanical properties, Purpose of heat treatment process, Rockwell hardness test, Brinell hardness test, Vickers hardness test (before and after heat treatment), Different types of heat treatment, Annealing, Normalizing, Hardening, Tempering, Austempering, Martempering, Importance of Time-Temperature-Transformation (TTT) diagram, Case Hardening process and its types, Practice on selection of heat-treating temperature, Practice on annealing process, normalizing process, hardening process, tempering process, Practice on different quenching media, Practice on Jominy-End Quench test-

Non - Destructive Testing (NDT) Techniques	250303	1 Week	26-05-25 to 30-05-25 07-07-25 to 11-07-25 08-09-25 to 12-09-25	17-11-25 to 21-11-25 15-12-25 to 19-12-25 23-02-26 to 27-02-26
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Course Contents: Introduction to Non-Destructive Testing (NDT)Types of discontinuities in weldments, Liquid penetrant inspection, Magnetic particle inspection, Ultrasonic test, Eddy current flaw detector, Practice on liquid penetrant inspection method, Practice on magnetic particle inspection method, Practice on ultrasonic inspection testing method, Practice on Eddy current inspection method

Pneumatic & Hydraulic Controls

Name of the Course	Course Code	Duration	Regular Course Schedules	
Pneumatic & Electro Pneumatic Controls	250401	2 Weeks	21-04-25 to 02-05-25 16-06-25 to 27-06-25 07-07-25 to 18-07-25 06-10-25 to 17-10-25	29-12-25 to 09-01-26 16-02-26 to 27-02-26 09-03-26 to 20-03-26

Course Contents: Construction of single, double acting cylinder circuits in Pneumatic & Electro pneumatic system with the use of DCV,OR, AND, Memory, Time Delay, Pressure sequence, Quick exhaust valve, flow control valves, limit switches and proximity sensors. Construction of circuits for Pneumatic and Electro pneumatic system in Fluid Sim Simulation software, Construction of regenerative circuit, Hands-on practice on construction of Pneumatic & Electro-pneumatic control circuit for industrial applications-

Hydraulic & Electro Hydraulic Controls	250402	2 Weeks	19-05-25 to 30-05-25 28-07-25 to 08-08-25 15-09-25 to 26-09-25 10-11-25 to 21-11-25	01-12-25 to 12-12-25 02-02-26 to 13-02-26 23-03-26 to 03-04-26
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Course Contents: Construction of single, double acting cylinder circuits in Hydraulic and Electro Hydraulic systems with the use of DCV, Time Delay, Pressure sequence, flow control and Limit switches, Proximity sensors.... Construction circuits for Hydraulic and Electro Hydraulic systems in Fluid Sim Simulation software, Construction of regenerative circuit, Hydraulic and Electro Hydraulic systems (care & Maintenance), Hands-on practice on construction of Hydraulic and Electro Hydraulic systems for industrial applications--

Electro - Pneumatic Automation with PLC	250403	1 Week	05-05-25 to 09-05-25 02-06-25 to 06-06-25 21-07-25 to 25-07-25	18-08-25 to 22-08-25 27-10-25 to 31-10-25 19-01-26 to 23-01-26
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Course Contents: Identification of components by their schematic symbols, Electro pneumatic 3/2,5/2 solenoid valves, Sensor Technology, limit switch & applications, Electrical Timers, Relay contactors, Latching Circuits, Circuit's construction with the use of Relays, Contactors, Electrical Timers, sensors, limits switches Introduction to PLC & PLC Programming, Ladder diagram, Programming, executing, running and verifying output of simple programs, Modifying an existing program and executing and verifying its output-



Pneumatic & Hydraulic Controls...Cont'd

Advance Pneumatic Controls	250404	1 Week	09-06-25 to 13-06-25 30-06-25 to 04-07-25 25-08-25 to 29-08-25	24-11-25 to 28-11-25 15-12-25 to 19-12-25 02-03-26 to 06-03-26
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Course Contents: Pneumatic and Electro Pneumatic circuit construction with the use of OR, AND, Memory, Time Delay, Pressure sequence, Quick exhaust, flow control and Limit switches- Cascading of Multi cylinders, Sequential control of multi-Cylinders, Designing, assembling and checking of pneumatic circuits.

Electronic Controls & Maintenance

Name of the Course	Course Code	Duration	Regular Course Schedules	
IoT with Sensors, Controllers & Actuators	250501	2 Weeks	09-06-25 to 20.06.25	17.11.25 to 28.11.25

Course Contents: Introduction to microprocessor and micro controller, Microprocessor Vs Microcontroller, Sensors & Actuators, Introduction to Arduino Uno, Raspberry pi and related Software- Pin details of Arduino and Raspberry Pi. C++ and Python programming for simple IoT applications. Specifications, Basic configurations of Arduino and Raspberry Pi with digital and Analog devices/sensors & actuators - LEDs, Push buttons, Optical sensor, Temperature sensor, Motion sensor (HC-SR501), Proximity sensor, (Ultrasonic Range meter HC-SR04), Soil moisture sensor, buzzer, relay, LCD display, PWM, pump, DC motor, Servo motor, etc. Use of communication protocol - Wi Fi, I2C, USB, Bluetooth, Ethernet shield interfacing and GPS module (NEO6MV2). Setting up of Siemens 2050 gateway for IoT devices network. Build your own project.

Drone Aerodynamics, Assembling & Testing of Drones	250502	2 Weeks	30-06-25 to 11-07-25 15-09-25 to 26-09-25	08-12-25 to 19-12-25 02-02-26 to 13-02-26
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Course Contents: Introduction to Drone Aerodynamic principles, Classification of drones & their applications, Block description of Drone system, Sensors & transducers, Servo motors & BLDC motors used in drones, RF communication concepts, GPS & its significance, Safety precautions, Configuration of Drone System Hardware, Flight Controllers used in Drones, ESCs, Assembling and testing of Quadcopter drone and performing flying test. Identify and resolve common error messages by Software debugging method. Inspect, test and trouble- shoot based on symptoms noticed.

Process Control Instrumentation (PCI)

Name of the Course	Course Code	Duration	Regular Course Schedules	
Programming for Process Automation using Siemens PLC & HMI / SCADA	250601	2 Weeks	28-04-25 to 09-05-25 21-07-25 to 01-08-25	06-10-25 to 17-10-25 23-02-26 to 06-03-26

Course Contents: Understanding of Programmable Controller Systems using TIA PORTAL- Identifying Common PLC Hardware, Configuring PLC for DI/Os and AI/Os, Creating a New Project with Ladder Logic, Procedure adopted to connect, communicate, download and execute programs. Practice on Programming for various Industrial applications using Discrete IOs and Analog IOs, ie. Interfacing PLC with Sensors and Actuators. Practice on creation of Tag Database and GUI Screen Template, Programming of PLC & HMI using SCADA S/W. The Management of Screens and Controls, Alarm Management & Trending, OPC / DDE process communication with other PLCs- Entering, Editing, and Verifying Ladder Logic- Bird's eye view of TIA software, Building application based Project- Bottle filling and batch process station, working procedures and operational maintenance of MMS, IoT applications of Automation using MMS as per industry 4.0.

Networking & Communication Protocols for Siemens PLCs And HMIs in SCADA Systems	250602	1 Week	18-08-25 to 22-08-25	09-03-26 to 13-03-26
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Course Contents: Brief on the role played by PLCs, HMI and SCADA in process automation. Demonstration of PLC and HMI/SCADA operations. Setting up of Ethernet network and configuring TCP/IP, Ethernet troubleshooting utilities and Protocol Analysis, Setting up and monitoring of Mod bus TCP communication to bus coupler, Concept and demo of OPC Data Access Server and OPC client to access data, Using Graphical OPC Client to create a SCADA display of plant data, Alarm Management, Configuring Alarms on a SCADA System, HMI screen design using Win CC SCADA package, SCADA Historian data using Excel, Troubleshooting procedure etc.

Industrial Automation with Electric Drives & PLCs (Siemens)	250603	2 Weeks	19-05-25 to 30-05-25	23.03.26 to 03.04.26
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Course Contents: Overview of Industrial Automation and the Role of PLCs & Drives. Methods of Speed Control of AC / DC motors, Servo motors BLDC motors etc. Power Control concepts, PWM techniques, PID controller & Drive parameters. Working principle of Electric Drives, Four quadrant Drive & methods of Braking. Demonstration and testing of Drives using DSO. Power control of drives with Converters & Inverters. Practice on Configuring parameters of VFD. Configuring PLC for Interfacing with Digital and Analog modules and programming. Programming of PLC for simple applications using Ladder logic. Practice on Programming of PLCs for motor control and PID. Auto tuning of PID for process stability.

Testing & Calibration of Industrial Instruments	250604	1 Week	23-06-25 to 27-06-25	27-10-25 to 31-10-25
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Course Contents: Introduction to Measurement System, Commonly used process control signals, Signal quality terminology (accuracy, linearity, span, etc-), System standards and instrument calibration- Pressure Instruments – Principle, construction and operation, Principle and operation of Strain gauge, Pressure Sensors, Pressure Measurement & Control (Electronic and Pneumatic), Operation and calibration of Differential Pressure Switch & Safety Valve, Operation and calibration of I/P Converter, Temperature Instruments-Principle, Classification of Sensors used for various applications, Sensors for temperature measurement, Installation and Commissioning of RTD & Thermocouple, RTD – 2 Wire, 3 Wire and 4 wire Configuration, Thermocouple – Cold junction compensation and compensation cables.

Tailor-made Courses

- On demand, "Tailor-made" courses are available for a minimum of five nominations on the following topics.
- Industrial establishments must register at least two months in advance for their desired courses at <https://rdsdetn.in> under the AVTS section by clicking on "Request for Tailor-made Courses."
- However, the final schedule is at the sole discretion of the Regional Director.

Section	Course Name	Tentative duration
Advanced Welding	MIG/MAG Welding Techniques and its Applications	2 Weeks
	TIG Welding Techniques and its Applications	2 Weeks
	Aluminium Welding using TIG Techniques	2 Weeks
	Stainless Steel Welding using TIG and MIG	2 Weeks
Automotive Technology	Diagnosis, Repair and Maintenance of CRDI Diesel Engine	2 Weeks
	Diagnosis and Repair in Automobile Electrical and Autotronics	2 Weeks
	Maintenance of Light Motor Vehicle (Petrol, Diesel) and Car AC	2 Weeks
Machine Tool Maintenance	5 'S' Work Place Management & Total Productive Maintenance	1 Week
	Painting Techniques, Defects & Remedies	1 Week
Pneumatic and Hydraulic Controls	Digital Transformation of Fluidic Power	1 Week
	Basic Mechatronics System	2 Weeks
	Mechatronics for Industrial Automation	1 Week
Electronic Controls and Maintenance	Siemens PLC - S7 400/1200 - SCADA and HMI Programming and Applications - (TIA Portal) - (Includes bottle filling and Lift Control Applications)	2 Weeks
	Introduction to Fiber Optics Communication, FTTH Cable splicing techniques and Installation	1 Week
	Embedded System Programming using Python for Industrial Applications and IoT using Raspberry Pi - 2040 (dual core)	1 Week
	Industrial Automation with AC/DC Drives and PLCs - (Siemens)	1 Week
	PCB Designing, Simulation and Testing of Electronic Circuits	1 Week
	Networking, Build your own Firewall (DIY)	1 Week
Production Technology	Design and Manufacturing of Press Tools	1 Week

Infrastructure & Facilities

Conference Hall and Library

A conference hall with a seating capacity of 40 is equipped with modern audio-visual facilities, including Wi-Fi, DLP projector, audio systems, interactive board, visual presenter, and a computer with internet connectivity.

A well-equipped library is available for reading and reference, offering a diverse collection of technical books, periodicals, newspapers, wall charts, and transparencies for trainees and staff.

Hostel and Canteen

- Limited hostel accommodation is available on a first-come, first-served basis.
- Cooking inside hostel rooms is strictly prohibited.
- Limited hostel facility is available for women.
- Nominal rent: ₹100/- per day per participant.
- Family accommodation is not available.
- A canteen is available on the campus premises, providing refreshments and food during working hours.



for Registration

Institute Location: <https://maps.app.goo.gl/JmJb7og6oFv8QWLv6>

Phone: 044 - 2250 1211,

Website : <https://nstichennai.dgt.gov.in>

Email: rdsde-tn-msde@gov.in

For Registration: <https://rdsdetn.in>

Under AVTS, click on "Registration for Short Term Courses"

Contact: P. Namasivayam, Deputy Director @ 9444632551 for further enquiries.