भारत सरकार
Government of India
कौशल विकास और उद्यमशीलता मंत्रालय
Ministry of Skill Development & Entrepreneurship
प्रशिक्षण महानिदेशालय
Directorate General of Training

TRAINING BROCHURE

2026 - 2027

National Skill Training Institute Kolkata, Howrah
राष्ट्रीय कौशल प्रशिक्षण संस्थान कोलकाता, हावड़ा

दासनगर/ Dasnagar, हावड़ा/ Howrah – 711 105
E-mail: atihowrah@nic.in / nsti-howrah@dgt.gov.in
Web site: www.nstihowrah.dgt.gov.in
Phone: 033-2653 1225

QR for AVTS Registration

Facebook : Nsti Kolkata Howrah
X Handle : @NstiHowrah
YouTube :www.youtube.com/@nstikolkata1232

QR for TMC Registration

Location: राष्ट्रीय कौशल प्रशिक्षण संस्थान कोलकाता, दासनगर, हावड़ा -711105
National Skill Training Institute Kolkata, Dasnagar, Howrah – 711105

Contact: Shri G K Sahu, Training Officer / AVTS In-Charge, 8910558808 for further query.

Shri S. Srinivas Naik
Dy. Director General (East)

Shri T. Ragulan
Regional Director /
Head of Department

Shri Ashim Roy
Joint Director

National Skill Training Institute Kolkata popularly known as A.T.I Kolkata situated on sprawling 30-acre campus was established in 1961 as pioneer training institute under the age is of D.G.T, Ministry of Skill Development & Entrepreneurship Govt. of India. Its former name was – Central Training Institute for Instructors (CTI) and changed to Advanced Training Institute (ATI) when the institute was upgraded with the launching of Advanced Vocational Training System (AVTS) programme in October 1977 with the assistance of UNDP / ILO / World Bank and now changed to National Skill Training Institute (NSTI). The uniqueness of this institute lies in its state of the art technology, hands on experience and constant transfer of expertise from the industries. It has modern and sophisticated labs and workshops equipped with latest trainer kits and machineries. It is one of the centres of excellences developed under World Bank Project of Govt. of India.

Our Vision

NSTI Howrah 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.

Our 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.

Our Training Courses:

A. Long Term Training Course – CITS & CTS

B. Short Term Training Course – AVTS & Tailor-made Training Course

Long Term Courses Annual Calendar 2026-2027			
CITS (1 Year Duration)		**CTS** (1Year or 2 Year Duration)	
ENGINEERING TRADES	NON - ENGINEERING TRADES	ENGINEERING TRADES	NON -ENGINEERING TRADES
Computer Software Application	CSA	Foundryman	IoT Smart Agriculture
Draughtsman Civil		Machinist	AI Programming Assistant
Draughtsman Mechanical		Machinist (Grinder)	
Electrician		Technician	
Fitter		Mechatronics	
Foundryman			
Instrument Mechanic			
Machinist			
Machinist Grinder			
Mechanic Machine Tool Maintenance			
Mechanic Motor Vehicle			
Mechanic Refrigeration and Air-Conditioning			
RODA			
Sheet Metal Worker			
Surveyor			
Turner			
Welder			
Wood Work Technician			

Short Term Courses under Advanced Vocational Training Scheme (AVTS)

1. Short-term courses of up to 2 weeks duration in Engineering disciplines.
2. Special Course duration can be extended up to 4 weeks.
3. Courses for skill upgradation can also be organised in basic engineering fields such as CNC, Civil, Electrical, Fitting, Carpentry, Machinist, Grinding, Welding, Mechanic Motor Vehicle & Principles of Teaching etc.

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 Courses under AVTS (Note: It is under revision)

Particulars	Regular Courses	Tailor Made Courses / Special Advanced Level Course	Others Fees
Candidates sponsored from medium and large-scale industries both public and private sector.	@**Rs. 2000/-** per trainee per week.	@**Rs. 4000/-** per trainee per week.	1. Application Cum Registration fees - @**Rs. 100/-** per trainee per course. 2. Hostel Rent fees (Optional) - @**Rs. 100/-**per trainee per day. 3. Gymkhana fees for Regular Course @ **Rs. 10/-**and for Tailor Made Course @ **Rs. 15/-** (to be paid by cash only)
Candidates sponsored by small-scale industries and private candidates.	@**Rs. 1000/-** per trainee per week.	-	
Candidates nominated by Govt. department such as Railways, Defence etc.	@ **Rs. 1250/-** per trainee per week.	@ **Rs. 2500/-** per trainee per week.	
Candidates sponsored from educational institute like Polytechnics, Engineering Colleges and other related Technical Institutions etc.	@**Rs. 1000/-** per trainee per week.	@**Rs. 2000/-** per trainee per week.	

- Application Cum Registration fees, tuition fees and hostel rent should be made only by Demand Draft in favour of the ***"DDO, RDSDE, KOLKATA"*** or by cash at the time of Registration. Gymkhana fee is to be paid separately by cash only.
- Certificates will be awarded to the trainees on successful completion of the course with ***minimum 80 % of attendance***.
- The Courses will be scheduled for a ***minimum of 08 nominations*** and subjected to availability of faculty and ***confirmation*** from our end etc.
- Food will be available at Canteen & Mess on payment basis.
- Shoe is compulsory to enter into the workshop of this institute.

INFRASTRUCTURE & FACILITIES

1. A modern workshop equipped with conventional and sophisticated machineries & equipment.
2. Well-equipped laboratories in the area of Civil, Mechanical, Automobile, Electrical and Electronics field.
3. Audio-Visual Laboratory equipped with most modern audio-visual equipment and computers.
4. CNC workshop, CAD / CAM, Hydraulics and Pneumatics controls labs and Industrial automation (PLC based).
5. Well-equipped Library contains latest technical books & magazines.
6. Well-equipped welding shop / advanced welding shop / robotic welding shop.
7. Well-designed modern Committee Room.
8. Well-designed modern Auditorium & Conference Hall.
9. A well-designed Gymkhana for trainees.
10. Free medical facility is available in NSTI Dispensary subject to availability of medicine in Store. However, critical cases are referred to Govt. hospital for treatment but cost will be borne by the trainee etc.
11. Playground is available for outdoor Games.

Training timings: Weekdays: 9:30 hrs. to 17:00 hrs. With 30-minute Lunch Break (from Monday to Friday) – 05 days in a week.

Relieving of participants: By 17:00 hrs (AN) on last working day of the week as per training schedule.

SHORT TERM TRAINING CALENDAR (AVTS) 2026-27

CNC MACHINING (TURNING)

Course Co-ordinator
Mr. GEETENDRA KUMAR SAHU, TO

Name of the Course	Module No. (Course Code)	Duration (in weeks)	Regular Course Schedules	
			From	To
INTRODUCTION & PROGRAMMING OF CNC TURNING (SINUMERIC)	**CNCT – I (202601)**	1	06-Jul-2026	10-Jul-2026
			07-Sep-2026	11-Sep-2026
Syllabus: - Introduction of CNC Turning centre. Concept of CNC machine controllers (Sinumeric) Concept of axis & Coordinate system. Overview of control panel key function. Concept of speed, feed and machining depth of cut. Identifying & replacing of cutting tools. Concepts of tool wear & offsets used for machining. Reading of machining control panel & understanding of operating parameter inspection. Introduction of G codes, Introduction of M codes, Concept of block no. End of block, Spindle speed, Feed rate, tool changing cycle, importance of emergency stop function key, Concepts of CNC turning centre like JOG, MDI, EDIT, AUTO, SINGLE BLOCK Importance Emergency stop key on machine etc. Concepts of part programming, Concept of sub programming, Concept of block in CNC turning programming. Programme creation tools & techniques, concept of different stock removal cycle for complete programming, concept of making contour. Demo and practice on CNC turning machine / PC Simulator.				
SIMULATION & OPERATION OF CNC TURNING (SINUMERIC)	**CNCT –II (202602)**	1	21-Sep-2026	25-Sep-2026
			02-Nov-2026	06-Nov-2026
Syllabus: - Import the drawing, concept of checking simulation, Run Simulation in computer application. Importance of programme test, Dry run feed Rate mode, Simulation Record, Feed rate override, Input, Execute etc. Facing, turning, step turning, grooving, threading, taper turning & threading, centre drilling, drilling, boring, recessing etc. Demo and practice on CNC turning machine / PC Simulator.				
PROGRAMMING, SIMULATION & OPERATION OF CNC TURNING (SINUMERIC)	**CNCT –III (202603)**	2	11-Jan-2027	22-Jan-2027
			01-Feb-2027	12-Feb-2027
Syllabus:- Machine coordinate system, Referencing & work coordinate system, CNC part programming, Codes & Word, Coordinate system, Absolute and incremental programming, Job set up and tool setup, Tool path and parameter setup for turning. Machine coordinate system, referencing, Jog, MDI and other functions of machine nomenclature & control system, Operational explanation with ATC, Overview of codes & word, Simple programming on CNC – Sinumeric, input method and work coordinate system, offset setting, simulation of programme, Editing and dry run, cutting operation detailing, Methods and control of machine, tooling Management, Inserts types and tool holder etc. Demo and practice on CNC turning machine / PC Simulator.				

BASIC MILLING OPERATIONS AND PRACTICE

Course Co-ordinator
Mr. ATANU GHOSH, TO

Name of the Course	Module No. (Course Code)	Duration (in weeks)	Regular Course Schedules	
			From	To
BASIC MILLING OPERATIONS AND PRACTICE	**MAC – I (202604)**	1	06-Jul-2026	10-Jul-2026
			21-Sep-2026	25-Sep-2026
			16-Nov-2026	20-Nov-2026
			01-Feb-2027	05-Feb-2027
Syllabus: - Safety Precautions, Milling Machine construction, Types of Milling Machine, Different parts of Milling Machine, Specification of Milling Machine, Different Accessories of Milling Machine, Different Attachment of Milling Machine, Shifting vice and job on the table of Milling Machine, Demonstrate working principal of Milling Machine, Different Milling cutters, Milling Cutter Holding and work holding device, Set the Cutters on arbor, Sequence of Milling six faces of solid blocks, Milling process up Milling and down Milling, perform step Milling using side and face cutter, Checking with depth micrometre, Perform angular Milling using swivel vice.				

PROGRAMMING & OPERATION OF VERTICAL MACHININING CENTRE(VMC)

Course Co-ordinator
Mr. ATANU GHOSH, TO

Name of the Course	Module No. (Course Code)	Duration (in weeks)	Regular Course Schedules	
			From	To
PROGRAMMING & OPERATION OF VERTICAL MACHININING CENTRE (VMC)	**CNC – 01 (202605)**	2	20-Jul-2026	31-Jul-2026
			31-Aug-2026	11-Sep-2026
			21-Nov-2026	27-Nov-2026
			04-Jan-2027	15-Jan-2027
			01-Feb-2027	12-Feb-2027
Syllabus: - Role of CNC in industries, its uses, Advantages & disadvantages, CNC Technology, Manual Milling machine versus CNC milling machine, Features, Construction, Parts etc. Axis Nomenclature of VMC, Right Hand Thumb Rule, Referencing practice on machine. VMC operating panel, On-Off Sequence.				

CAD 2D DRAFTING

Course Co-ordinator
Mr. ATANU GHOSH, TO

Name of the Course	Module No. (Course Code)	Duration (in weeks)	Regular Course Schedules	
			From	To
CAD 2D DRAFTING	**CAD – 01 (202606)**	2	10-Aug-2026	21-Aug-2026
			07-Dec-2026	18-Dec-2026
Syllabus: - Introduction to PLC programming and basic application				

MASTER CAM 26

Course Co-ordinator
Mr. ATANU GHOSH, TO

Name of the Course	Module No. (Course Code)	Duration (in weeks)	Regular Course Schedules	
			From	To
MASTER CAM 26	**CAM – 01 (202607)**	2	05-Oct-2026	16-Oct-2026
			08-Mar-2027	19-Mar-2027
Syllabus: - Introduction to PLC programming and basic application				

PNEUMATIC & HYDRAULIC CONTROLS

Course Co-ordinator
Mr. M. KARMAKAR, TO

Name of the Course	Module No. (Course Code)	Duration (in weeks)	Regular Course Schedules	
			From	To
PNEUMATIC & HYDRAULIC CONTROL	**HP – I (202608)**	2	15-Feb-2027	26-Feb-2027
Syllabus: - Introduction, Safety, Fluid Power Engineering, Basic Pneumatic system and it's elements, symbols of different elements, Compressor, Pneumatic Valves actuation methods, Pneumatic Valves Identification, Pneumatic circuit diagram, Practical on Pneumatic Circuits. Fundamental of Hydraulic, Hydraulic Pump, Hyd. Valves Identification, Hydraulic circuit making and practical on Hydraulic circuit.				
ELECTRO PNEUMATIC & HYDRAULIC CONTROL	**HP – II (202609)**	2	02-Nov-2026	13-Nov-2026
Syllabus: - Introduction, Safety, Fluid Power Engineering Basic Pneumatic system and it's elements, symbols of different elements, Compressor, Valve actuation methods, Pneumatic Valves Identification, Pneumatic circuit diagram, Practical on Pneumatic Circuits. Introduction on Electro pneumatic, Elements of Electro pneumatic, Identification of Electro pneumatic valves, Electro pneumatic circuit making and practical on electro pneumatic Circuit. Fundamental of Hydraulic, Hydraulic Pump, Hyd. Valves Identification, Hydraulic circuit making and practical on Hydraulic circuit.				
HYDRAULIC CONTROL	**HP – III (202610)**	1	07-Dec-2026	11-Dec-2026
			01-Mar-2027	05-Mar-2027
Syllabus: - Introduction, Safety, Fundamental of Hydraulic, Hydraulic Pump, Hyd. Valves Identification, Hydraulic circuit making and practical on Hydraulic circuit.				
PNEUMATIC CONTROL	**HP – IV (202611)**	1	18-Jan-2027	22-Jan-2027
Syllabus: - Introduction, Safety, Fluid Power Engineering Basic Pneumatic system and it's elements, symbols of different elements, Compressor, Valve actuation methods, Pneumatic Valves Identification, Pneumatic circuit diagram, Practical on Pneumatic Circuits.				

MACHINING (GRINDING)

Course Co-ordinator
Mr. M. KARMAKAR, TO

Name of the Course	Module No. (Course Code)	Duration (in weeks)	Regular Course Schedules	
			From	To
SURFACE GRINDING	**GR – I (202612)**	1	04-Jan-2027	08-Jan-2027
Syllabus: - Introduction, safety, Grinding Wheels, Parts and construction, Types, Specification, Operating, Making Flat, Angular, Formed job using various accessories and attachments.				
CYLINDRICAL GRINDING	**GR – II (202613)**	1	14-Dec-2026	18-Dec-2026
Syllabus: - Introduction, safety, Grinding Wheels, Parts and construction, Types, Specification, Operating, Making Cylindrical Straight Parallel, Step, Taper, formed job using various accessories and attachments.				
TOOL AND CUTTER GRINDING	**GR – III (202614)**	2	07-Sep-2026	18-Sep-2026
Syllabus: - Introduction, safety, Grinding Wheels, Parts and construction, Types, Specification, Operating, Re-sharpening of Single point and Multipoint Cutting tools such as 'V' Tool, Left hand, Right Hand, Parting Tool, Cylindrical milling cutter with helical groove, Side and Face milling cutter, Reamer etc. using various accessories and attachments.				
SURFACE AND CYLINDRICAL GRINDING	**GR – IV (202615)**	2	04-Jan-2027	15-Jan-2027
Syllabus: - Introduction, safety, Grinding Wheels, Surface Grinder: Parts and construction, Types, Specification, Operating, Making Flat, Angular, formed job using various accessories and attachments. Cylindrical Grinder, Parts and construction, Types, Specification, Operating, Making Cylindrical Straight Parallel, Cylindrical Step, Cylindrical Taper, and Cylindrical Formed job using various accessories and attachments.				

FITTING

Course Co-ordinator
Mr. SUBHANKAR RANA, TO

Name of the Course	Module No. (Course Code)	Duration (in weeks)	Regular Course Schedules	
			From	To
BASIC FITTING	**FIT – I (202616)**	2	20-Jul-2026	31-Jul-2026
			07-Sep-2026	18-Sep-2026
			30-Nov-2026	11-Dec-2026

Syllabus: - Basic theory- Introduction of Basic hand tool, marking tool ete, Introduction of Drill Introduction of Reamer, various type of drilling machine, Drilling, counter boring Counter sinking, Tap and Die, precision measuring instruments. (Vernier caliper, Micrometre) Basic practical - Filing practice, flat file, triangular, square etc. Filling practice Make flatness and right angle, Marking and punching Practice, Drilling, counter boring Counter sinking Practice, Tapping Practice Die Practice. Measuring practice by vernier caliper and Micrometre.

AUTOMOBILE

Course Co-ordinator
Mr. JATOTHU SRIKANTH, TO

Name of the Course	Module No. (Course Code)	Duration (in weeks)	Regular Course Schedules	
			From	To
AUTOMOBILE	**AUTO – I (202617)**	1	06-Jul-2026	10-Jul-2026
			17-Aug-2026	21-Aug-2026
			07-Sep-2026	11-Sep-2026
			12-Oct-2026	16-Oct-2026
			16-Nov-2026	20-Nov-2026
			14-Dec-2026	18-Dec-2026

Syllabus: - 1. Engine Introduction, Types of Engines, Working principal of Engine, Identification of different IC Engine & its parts & functions. 2. Types of fuel supply systems, Carburation MPFI, MICO fuel systems, CRDI system, Different arrangement of IC Engine fuel supply system, working with MPFI Engine, Working with MICO CRDI system. 3. Introduction to lubrication system, types of lubricants, Properties of lubricants, Servicing of Oil filter, Servicing of Oil pump 4. parts of lubrication system, Causes & effect of lubricating system malfunctioning, Servicing of Oil cooler, oil changing procedure in IC Engine.5. Introduction of cooling system, types of water -cooling system, parts of water-cooling system, causes & effect of water-cooling system, servicing of water pump, servicing of radiator, adjusting fan belt tension, Thermostat valve checking for its operation. Introduction to Electric Vehicle Technology, EV terminology Comparison of Electric Vehicle with IC engine vehicle based on emissions, range, fuel type. Types of electric vehicle, BEV, HEV, PHEV and FCEV. Architecture of Electric Vehicle, working principle of fully electric vehicle, Major component, performance parameter, Basics of Motors, Selection, Sizing and characteristic of Motor, calculation for motor effort, electric transmission. Principle, working and operation of propulsion system, DC Motor -Drives Armature Voltage, chopper circuit, step-up, step-down chopper, control strategy, chopper amplifier. Brushless DC Motor-principle working, features, speed control system of brushless DC motor, efficiency, calculation. Battery management system.

ADVANCED WELDING

Course Co-ordinator
Mr. SUBHANKAR RANA, TO

Name of the Course	Module No. (Course Code)	Duration (in weeks)	Regular Course Schedules	
			From	To
CNC-CUTTING OPERATION	**WEL – I (202618)**	1	17-Aug-2026	21-Aug-2026
			18-Jan-2027	22-Jan-2027

Syllabus: - Operate CNC, Setting Gas plant, Piercing method, Choose shapes, Developed cutting Diagram, maintain cutting operation, inspection, care & maintenance etc.

LONGITUDE SEAM WELDING	**WEL –II (202619)**	1	24-Aug-2026	28-Aug-2026
			22-Feb-2027	26-Feb-2027

Syllabus: - Operational instructions, Does &Don'ts regarding safety, air pressure setting, metal selections like thickness & types, inspection of welding etc.

ARC GAS WELDING	**WEL –III (202620)**	2	07-Sep-2026	18-Sep-2026

Syllabus: - Arc & Gas welding process, techniques, safety precautions, tools &equipment's, types of joints, welding positions, identify welding faults & their remedies etc.

TIG WELDING	**WEL –IV (202621)**	2	12-Oct-2026	23-Oct-2026
			01-Mar-2027	12-Mar-2027

Syllabus: - Operational instructions, working sequence, Gas plant setting, torch setting, welding electrode selection & preparation, care & maintenance, Does &Don'ts regarding safety precautions etc.

CO2 / MIG MAG WELDING	**WEL – V (202622)**	2	16-Nov-2026	27-Nov-2026

Syllabus: - Operational instructions, working sequence, Gas plant setting, torch setting, welding electrode selection & preparation, care & maintenance, Does &Don'ts regarding safety precautions etc.

SUBMERGED ARC WELDING (SAW)	**WEL -VI (202623)**	2	30-Nov-2026	11-Dec-2026
Syllabus: - 1. Operational system, power sources, welding procedure, Arc generation technique safety precautions, applications, care & maintenance etc. 2. Types of welding, Nomenclature of weld mends, welding position, welding symbol, edge preparation, welding inspection & testing. etc.				
ROBOTIC WELDING	**WEL -VII (202624)**	2	08-Feb-2027	19-Feb-2027
Syllabus: - 1. Operational system, power sources, welding procedure, Arc generation technique safety precautions, applications, care & maintenance etc. 2. Types of welding, Nomenclature of weld mends, welding position, welding symbol, edge preparation, welding inspection & testing etc.				
WELDING SIMULATOR (ARVR)	**WEL -VIII (202625)**	2	04-Jan-2027	15-Jan-2027
Syllabus: - 1. Virtual Operational system, power sources, welding procedure, Arc generation programming technique safety precautions, applications, care & maintenance etc. 2. Types of welding, Nomenclature of weld mends, welding position, welding symbol, edge preparation, welding grading (Virtual) etc.				
MANUAL METAL CUTTING OPERATION (OXY-ACITYLINE GAS CUTTING AND AIR PLASMA CUTTING	**WEL -IX (202626)**	2	25-Jan-2027	5-Feb-2027
Syllabus: - 1. Oxy-acetylene cutting plant setting, Miled Steal Cutting (Straight, Bevel, Circular), Care and maintenance, inspection. 2. Air plasma cutting plant setting, MS, SS, Aluminium cutting, Care and maintenance, inspection				

INDUSTRIAL CONTROL & PLC (AUTOMATION)

Course Co-ordinator
Mr. NIRMALYA HAZRA, TO

Name of the Course	Module No. (Course Code)	Duration (in weeks)	Regular Course Schedules	
			From	To
INTRODUCTION TO PLC PROGRAMMING AND BASIC APPLICATION	**MIE – I (202627)**	1	17-Aug-2026	21-Aug-2026
			22-Feb-2027	26-Feb-2027
Syllabus: - Introduction to PLC programming and basic application.				

A. C. MACHINE CONTROL & MAINTENANCE (POWER)

Course Co-ordinator
Mr. SARBESWAR MAHATA, TO

Name of the Course	Module No. (Course Code)	Duration (in weeks)	Regular Course Schedules	
			From	To
ROTATING A. C. MACHINE CONTROL & MAINTENANCE	**P – I (202628)**	1	21-Sep-2026	25-Sep-2026
			19-Oct-2026	23-Oct-2026
			16-Nov-2026	20-Nov-2026
			07-Dec-2026	11-Dec-2026
Syllabus: - Fire and Safety Practice in Industries, Basic Electricity and Electromagnetism, Concept of rotating magnetic field, Single Phase and Three Phase Synchronous and Asynchronous motors, Testing of circuit components, Design of simple motor control circuits, DOL, DOL with forward /reverse, Inching, Remote, Sequence operation etc. Semi -- Auto. — Star--Delta starter, auto. — Star--Delta starter, Forward /reverse with Star--Delta starter, Slip-ring motor starter etc. Introduction on AC Drive. Methods of improving p. f, V-curve & Vector diagrams, Synchronous Generator, Brushless Alternator, Concept of AVR and paralleling of alternators, Concept of Electrical Maintenance, Preventive and Breakdown Maintenances, Planned Maintenance Schedule. Inventory records of parameters.				

EQUIPMENT MAINTENANCE SYSTEM

Course Co-ordinator
Mr. UTPAL KR. SARKAR, AD

Name of the Course	Module No. (Course Code)	Duration (in weeks)	Regular Course Schedules	
			From	To
MECHANICAL MAINTENANCE	**EMS – I (202629)**	2	13-Jul-2026	18-Jul-2026
			07-Sep-2026	18-Sep-2026
			09-Nov-2026	20-Nov-2026
			08-Feb-2027	19-Feb-2027
Syllabus: - Introduction of Mechanical Maintenance, Preventive Maintenance, Workshop Safety, Factor of Reconditioning, Machine tool Installation, Introduction to Hydraulic and Pneumatic Controls, Lubricant and Lubrication, Concept of Baring, Different type of Bearings, Plain Bearing and Anti- Friction Bearing, Rolling Bearing Failure / Damage and their Control, Geometric Test of Machine Tools, History sheet, Hands on/ Practical on Preventive Maintenance.				

WOOD & CARPENTRY

Course Co-ordinator
Mr. SUPRIYA RANA, TO

Name of the Course	Module No. (Course Code)	Duration (in weeks)	Regular Course Schedules	
			From	To
CNC WOOD WORKING AND MACHINING OPERATOR	**CAR – I (202630)**	2	16-Nov-2026	27-Nov-2026
			07-Dec-2026	18-Dec-2026
Syllabus: - Execute CNC router interface/control program screen. Plan and prepare 2D program with various tool keys, vector keys etc. and execute to load program from computer to machine. Prepare tool path in 2D and make program with throughout cut. Execute saving of tool path and program file to machine. Plan and prepare program with multiple tool use in ATC, Installation of tool and mounting of job with Zero offset. Prepare job operating CNC router machine and inspect job accuracy. Check drawing and execute operation with various relief functions.				

SHORT TERM TRAINING CALENDAR (TMC) 2026-27

Tailor - made Courses

- Based on the requirement of industry, Tailor - made Courses can be also conducted at this institute in the above specialised areas. The fees payable are also mentioned at this brochure.
- Stakeholders must register at least 2 months in advance.

REGISTRATION

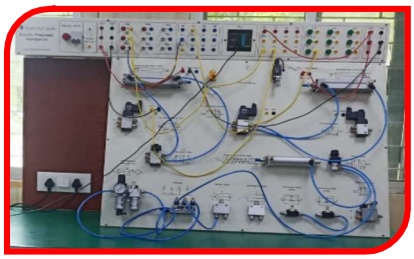
- Registration on **"Regular AVTS Courses"** visit / click on this link: https://forms.gle/x5uGB1vAZiQaLkSZ7
- Registration on **"Tailor - made Course"** visit / click on this link: https://forms.gle/zsGK5tfLEF5whbDbA

Note:

- The Regional Director or Joint Director reserves the right to cancel or postponed 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.

NSTI PHOTO GALLERY

































Address & Location:

राष्ट्रीय कौशल प्रशिक्षण संस्थान कोलकाता, दासनगर, हावड़ा -711105

National Skill Training Institute Kolkata, Dasnagar, Howrah – 711105

Contact: Shri G K Sahu, Training Officer / AVTS in-Charge 8910558808 for further query.