



Directorate General of Training

भारत सरकार

Government of India

कौशल विकास और उद्यमशीलता मंत्रालय

Ministry of Skill Development and Entrepreneurship

प्रशिक्षण महानिदेशालय

Directorate General of Training

विवरणिका 2026-2027

BROCHURE 2026-2027



# राष्ट्रीय कौशल प्रशिक्षण संस्थान NATIONAL SKILL TRAINING INSTITUTE

आउटर रिंग रोड, तुमकुर रोड के पास, यशवंतपुरा पोस्ट, बेंगलुरु-560022

Outer Ring Road, Off Tumkur Road, Yeshwantpura Post,

Bengaluru-560 022

## **FROM DIRECTOR'S DESK / निदेशक की कलम से**

National Skill Training Institute, erstwhile Foremen Training Institute, was setup in 1968 by the Government of India, Ministry of Labour & Employment, then Directorate General of Employment and Training (DGE&T) as a pioneer institute for upgrading the technical and behavioural skills of Supervisors. Started with assistance from the State of Baden Wuerttemberg, Federal Republic of Germany, this institute has come a long way in carving a niche for itself as "Best Specialized Training Institute" under then DGE&T and conferred as "CENTRE OF EXCELLENCE for Supervisory Training & Development" by APSDEP-ILO.

During the year 2014-2015, erstwhile Foreman Training Institute has been brought under the Ministry of Skill Development and Entrepreneurship and subsequently name of Institute has been renamed as **NATIONAL SKILL TRAINING INSTITUTE (NSTI)**.

This institute is entrusted with the mission of producing trained Craft Instructors to meet the huge demand of various Industrial training institutes in our country. It conducts training under Craft Instructor Training Scheme (CITS) for Fitter, Welder, Electronic Mechanic, Electrician and Computer Software Application trades. In addition to above, this institute is also offering Advanced Diploma (Vocational) in IT, Networking & Cloud Computing in collaboration with IBM-India.

In adherence to its mission, NSTI is offering short term courses in various engineering sectors to skill/upskill/reskill the technicians and engineers from industries and establishments. Apart from the scheduled short-term program, Tailor-made short-term programs are also conducted as per the needs of the industries.

The Institute is continuously upgrading its infrastructure facilities keeping in view the changing industrial scenario and the emerging needs of the industries. It has state of the art training facilities in the areas of CNC, CAD, Metrology, Industrial Engineering, Manufacturing Technology, Advanced Welding, Control Systems, Electronics, Mechatronics, Information Technology and other related areas with well-equipped modern Laboratories and Workshop. The Institute has setup two world class Laboratories in Electrical and Fabrication (welding) under World Bank assisted Vocational Training Improvement Project. Apart from the facilities this institute have well qualified trainer who were trained in India and abroad.

Also to mention this institute conducted International Training programme on "**Training of Trainers**" to the participants from countries **viz. Cambodia, Myanmar, Vietnam and Lao PDR**.

Further to note, to build the nation, there is a need of skilled workforces, and NSTI is the one of the Training Institute, which has the facilities, where you can carve yourself in the desired sector to become the skilled aspirants and excel in your field.

On behalf of NSTI Family, I wish all the best to all the participants .....

**GC RAMAMURTHY**  
Regional Director, RDSDE, Karnataka

## Vision/दृष्टिगोचर

*"Believe in our capacity to excel, contribute significantly in skill development of the labor market, focus on core areas of excellence and collaborate with industry and understand their requirements and concentrate on Initiatives of **Skill India and Make in India** to constantly supply industry ready skilled human resources."*

## Mission/लक्ष्य

Institute is dedicated for providing the global labor market, excellent training programs which meet their training challenges and technological goals.

Deploy the right mix of contents as deliverables in training so that trained workforce are readily useful to the industry.

Commitment to constant upgradation of infrastructure, constant updating of technological skills, thereby keeping pace with industrial expectations

Engage with industry to have a constant Industry-Institute relationship.

Stimulate and Inspire skill development training activities across the country and believe SKILL INDIA is the only ultimate solution for the success of Make in India.

Supply Quality Craft Instructors to ITIs who will shape the future of Vocational training.

## Objective/उद्देश्य

To enhance the employability skills of Craft

Enhancing technical skills of unemployed youth.

To produce systematically trained Craft Instructors to meet the demand of Industrial Training Institutes (ITIs).

Cater the vocational training needs in skill upgradation of industrial work force of Government, Public & Private sectors.

## Courses/पाठ्यक्रम

### Long Term Courses/दीर्घ कालिक पाठ्यक्रम

#### a) CRAFTS INSTRUCTOR SCHEME (CITS)/क्राफ्ट्स इंस्ट्रक्टर ट्रेनिंग स्कीम(सीआईटीएस)

Under this scheme, NSTI imparting training in the following trades to the candidates for becoming the prominent instructors in ITI.

S.no	Trade Name	Sanctioned Unit	Sanctioned Seats	Trade Incharges	Contact No.
1	Fitter/फिटर	2	50	A ChandraShekar(AD)	8861760019
2	Welder/वेल्डर	2	50	DN Sharma(AD)	8147857208
3	Electrician/इलेक्ट्रीशियन	2	50	ShreeshailP(TO)	9945318742
4	Electronic Mechanic/इलेक्ट्रॉनिक मैकेनिक	2	50	Pooja R singh(TO)	8547749045
5	COMPUTER SOFTWARE APPLICATION/कंप्यूटर सॉफ्टवेयर एप्लीकेशन	2	50	P Narmada(TO)	9945778353



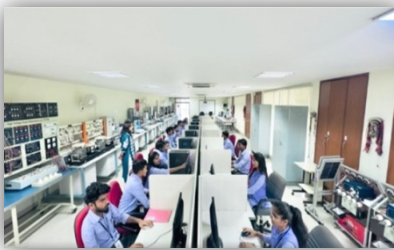
Fitter/ फिटर



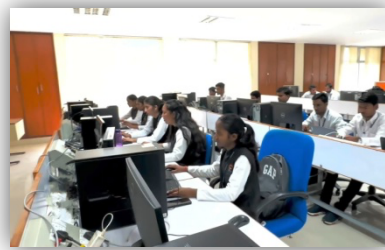
Welder/ वेल्डर



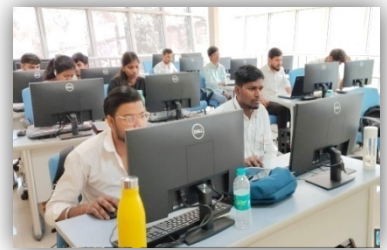
Electrician/इलेक्ट्रीशियन



Electronic Mechanic/ इलेक्ट्रॉनिक मैकेनिक



CSA/ सीएसए



AI&PA/एआई&पीए

**b) CRAFTSMEN TRAINING SCHEME (CTS)/क्राफ्ट्स मैन ट्रेनिंग स्कीम(सीटीएस)**

Under this Scheme, NSTI imparting training in Artificial Intelligence. This Course is being conducted in collaboration with Microsoft.

S.no	Trade Name	Sanctioned Unit	Sanctioned Seats	Trade Incharges	Contact No.
1	Artificial Intelligence (AI)and Programming Assistant(PA)/एआई&पीए	1	25	P Narmada(TO)	9945778353
2	Solar Technician(सौर तकनीशियन)	1	20	A S Palani(TO)	8297723984
3	Semiconductor Technician(सेमी कंडक्टर तकनीशियन)	1	25	Basawaraj(ADT)	9916316481

**Short Term Courses/लघु अवधि पाठ्यक्रम**

NSTI, Bengaluru offers training programme in the following areas under short term courses.

**CNC, CAD, Hydraulics & Pneumatic, Advanced Welding, Electronics, Mechatronics, Electrical and Information Technology.**

**A) ADVANCED VOCATIONAL TRAINING SCHEME [AVTS]/एडवांस्डवोकेशनलट्रेनिंगस्कीम(एवीटीएस)**

Various training programmes planned under above schemes for the year 2024 -2025 are listed under respective labs.

**B) TAILOR MADE COURSE /टेलरमेडकोर्स**

Apart from the scheduled short-term program, custom-made short-term programs are also conducted as per the needs of the industries. The contents, duration and date of such programs may be finalised in consultation with the industry or establishment. sponsored by Govt. /Pvt. departments as per their need.

Apart from the labs given above, courses under the following areas will also be conducted under TMC

➡ Engineering Metrology and It's Application.

➡ Quality control and Management.

➡ Supervisory Development programme.

Minimum requirement of participants: - 10 participants

Various prestigious industries have utilized our services to train their employee viz. **ISRO, BHEL, DRDO, Naval Dockyard, Ship Building Center** etc.

## SHORT TERM TRAINING PROGRAMME UNDER

लघु अवधि प्रशिक्षण कार्यक्रम के अंतर्गत

AVTS 2026-27

एवीटीएस 2026-27

### HYDRAULICS AND PNEUMATICS

Course Co-ordinator : Smt. Shobha Bai B, Training Officer

Contact No.8951462856, Email Id:-shobhabaisingh.dgt@dgt.gov.in

Course Code	Course Title	Duration (Week/s)	From	To
HPC-01	Industrial Hydraulic Control	01	29/06/26	3/7/2026
			26/10/26	30/10/26
			14/12/26	18/12/26
			8/3/2027	12/03/27
Hydraulic power packs , fluids, Hydraulic valves cross-section, port designation, identification, animation valves on transparent modules including Direction control valves, flow control valves, time control valves, circuit analysis on fluid sim software and hands on practice on Hydraulic trainer kit with different types of actuators.				
HPC-02	Industrial Pneumatic Control	01	31/08/26	4/9/2026
			2/11/2026	6/11/2026
			28/12/26	1/1/2027
Pneumatic system with compressor, preparation of Pneumatic with FRL, types of Pneumatic valves including Direction control valves, flow control valves, logic valves, pressure control & time control with all types of output actuator cascading multi cylinders with sequential order and different types of output devices.				
HPC-03	Industrial Hydraulic & Electro-hydraulic Control	01	4/1/2027	8/1/2027
			22/03/27	26/03/27
Hydraulic system with Direction control valves, flow control, pressure control valves & time control with and including solenoid valves, relay,proximity sensors including relay & time control circuits with counters,multicylinders in cascade method.				
HPC-04	Industrial Pneumatic control and Electro Pneumatic controls	01	18/01/27	22/01/27
			1/6/2026	5/6/2026
Pneumatic system with Direction control valves, flow control, pressure control valves & time control with and including solenoid valves, relay,proximity sensors including relay & time control circuits with counters,multicylinders in cascade method.				
HPC-05	Electro-Pneumatic with PLC (siemens1200)	01	10/8/26	14/08/26
			1/2/2027	5/2/2027
Electro Pneumatic with PLC based controls. Industrial electro Pneumatics with all types of solenoid valves, cross-section, designation of different types of actuators,push button, sensors, relay controlled circuits with timers and counters.PLC fundamentals and their protocols with hardware and softwares of 1200 PLC hands on practice of PLC programs on simulation with timers and counters etc and interfacing the input and output devices. Anlyzation of analog signal with application. Fault diagnosis and trouble shooting.				

HPC-06	Industrial Robotic	01	3/8/2026	7/8/2026
	Control & Programming		5/10/2026	9/10/2026
			25/01/27	29/01/27
Introduction to Industrial Robotics, types of Robotics and their application. Robotics Anatomy and components about actuator, Robotic joints, end effectors, sensors Robotic coordinate systems and this importance. Robotics controls with pick and place motion on programming with pendent control. Simulation of Robotics on Robo-Guide software and hands on practice of different programs with teach pendent with jogging the Fanuc Robot and it's maintenance				
HPC-07	Industrial Mechtronics	01	20/07/26	24/07/26
	Control		16/11/26	20/11/26
			22/02/27	26/02/27
Industrial Mechatronic systems with Mechanical, Electrical and control system. all types of sensors and transducers like proximity sensors, pressure, flow, temperature and level sensors with interfacing analog and digital signals and their applications. Industrial actuators and drives. Applications of Hydraulic and pneumatic solenoid valves with PLC controls. PLC programming and				
HPC-08	Industrial Automation	01	22/06/26	26/06/26
	With Robotic control		12/10/2026	16/10/26
			1/3/2027	5/3/2027
Industrial fixed automation, programmable automation, flexible automation. Input devices (sensors ) Controllers, programmable logic controls( PLC ), Output devices (Actuators), feedback systems, power supply and signal flow. Sensors proximity, photo electric, temperature, pressure, Encoders. Electric motors, pneumatic cylinders, Hydraulic systems PLC architecture, input/output modules, programming ( ladder logic, timers & Counters) Applications Motor conveyor systems.				
HPC-09	Industrial Hydraulic	02	6/7/2026	17/07/26
	And Pneumatic		30/11/26	11/12/26
	Controls		8/2/2027	19/02/27
			15/03/27	26/03/27

## CNC

Course Co-ordinator :Shri.A ChandraPraksh, Training Officer

Contact No.:-7013598074, Email Id:-achandraprakash.dgt@dgt.gov.in

Course Code	Course Title	Duration (Week/s)	From	To
CNC-01	CNC Programming and Simulation on Turning Centre	02	20/04/2026	01/05/2026
			01/06/2026	12/06/2026
			13/07/2026	24/07/2026
			24/08/2026	04/09/2026
			12/10/2026	23/10/2026
			21/12/2026	01/01/2027
			08/02/2027	19/02/2027
CNC Turning Operation and Programming (Siemens Sinumerik Control systems 828D) Basic T				
CNC-02	CNC Programming and Simulation on Milling Centre	02	11/05/2026	22/05/2026
			22/06/2026	03/07/2026
			03/08/2026	14/08/2026
			21/09/2026	02/10/2026
			02/11/2026	13/11/2026
			18/01/2027	29/01/2027
			15/03/2027	26/03/2027
CNC Milling Operation and Programming (Siemens Sinumerik Control systems 828D) Basic M				

## CAD

Course Co-ordinator :Ms.Kavitha Purushotham, Training Officer  
Contact No.:-9582970435, Email Id:kpurushotham.dgt@dgt.gov.in

Course Code	Name of the Course	Duration (week/s)	Dates	
			From	To
CAD-01	AutoCAD 2D Application	01	20/4/2026	24/4/2026
			8/6/2026	12/6/2026
			3/8/2026	8/8/2026
	Introduction to the software, interface, command line, navigation tools, and unit setup. Basic drawing commands like line, circle, arc, rectangle, and coordinate systems. Modify commands such as move, copy, rotate, trim, extend, offset, mirror, and scale. Layers, colors, line types, and object properties. Text and dimensioning for annotations. Blocks and hatching. Final drawing of object using all commands.			
CAD-02	Auto CAD 3D Application	01	6/7/2026	10/7/2026
			7/12/2026	11/12/2026
			1/2/2027	5/2/2027
	Introduction to 3D workspace, navigation tools, view controls, and UCS. Basic 3D objects like box, cylinder, sphere, cone, and wedge. 2D to 3D conversion using extrude, revolve, sweep, and loft. Modify tools such as move, rotate, scale, mirror, union, subtract, and intersect. Working with visual styles, shading, and materials. Editing solids using fillet edge, chamfer edge, and slice. rendering basics. Final 3D model creation using all commands.			

## GENERAL WORKSHOP

Course Co-ordinator :Shri A Chandrashekar Assist. Director  
Contact No. :-8861760019, Email Id:-chandrashekar.dgt@dgt.gov.in

Course Code	Name of the Course	Duration (week/s)	Dates	
			From	To
BM-01	Measuring instruments and Limits, Fits and tolerance related to production उत्पादनसेसंबंधितबुनियादीमापऔरसी माएं, फिटऔरसहनशीलता	01	20/04/2026	24/04/2026
			18/05/2026	22/05/2026
			15/06/2026	19/06/2026
			21/09/2026	25/09/2026
			16/11/2026	20/11/2026
			18/01/2027	22/01/2027
			15/03/2027	19/03/2027
Introduction to metrology, line standard end standard, sensitivity readability calibration Different workshop measuring instrument L.C, working principle and reading Limit,fit and tolerance, hole basis and shaft basis system, BIS recommendations of limits, fits and tolerance limits, type of fits calculations.				

## ADVANCED WELDING

Course Co-ordinator :Shri.Dharmnath Sharma, Asst. Director  
 Contact No.:-81478 57208, Email Id:-dharmnath.s@dgt.gov.in

Course Code	Name of the Course	Duration (week/s)	Dates	
			From	To
AW-01	ADVANCE WELDING TECHNOLOGY (MIG & TIG,)	02	13/04/2026	24/04/2026
			13/07/2026	24/07/2026
			28/09/2026	09/10/2026
			11/01/2027/	22/01/2027
Introduction to welding,WeldingTerminology SMAW/GMAW/GTAW/SAW process application and feature. Welding power sources and classification, welding consumable,welding safetyand symbols,weldingmetallurgy,welding defects causes and remedy,NDT techniques, Demonstration & Practice on SMAW/MIG/TIG/SAW/CNC cutting.				
AW-02	Non DestructiveTest , (DPT, MPT UT,& ECT)	02	11/05/2026	22/05/2026
			10/08/2026	21/08/22026
			09/11/2026	20/11/2026
			08/02/2027	19/02/2027
Introduction to welding,Safety in welding, welding symbols,welding defects causes and remedy, Dimensional inspection and feature and advantages of NDTmethods,Theoryand Practice DPT,MPT,UT and EDDY current test techniques.Radiographic film interpretation, Parctice on weld measurement gauges.				
AW-03	Welding Technology for Industrial worker. worker(Arc, Gas welding, Gas cutting, Brazing,CNC Cutting.	02	08/06/2026	19/06/2026
			14/09/2026	25/09/2026
			07/12/2026	18/12/2026
			15/03/2027	26/03/2027
Introduction to welding,Welding Terminology, SMAW,Gas welding, Gas cutting,Brazing, CNC cutting process application and feature. Welding power sources and classification, Welding consumable,Welding safety and symbols, Welding defects causes and remedy.NDT techniques.				

## MECHATRONICS

Course Co-ordinator :- Smt Pooja R Singh, Training Officer  
 Contact No. :- 8547749045, Email id:-poojasingh.dgt@dgt.gov.in

Course Code	Name of the Course	Duration (week/s)	Dates	
			From	To
MT-01	Siemens S7-1200/1500 PLC Programming & HMI Integration with DCS	01	04/05/2026	08/05/2026
			03/08/2026	07/08/2026
			07/12/2026	11/12/2026
			01/02/2027	05/02/2027
			15/03/2027	19/03/2027
Fundamentals of PLC & Siemens Hardware, PLC Programming Basics, Advanced PLC Programming, HMI Design & Integration, DCS Integration & Troubleshooting.				
MT-02	Embedded Sparks: Hands-On with 8051 & Arduino	01	10/08/2026	14/08/2026
			23/11/2026	27/11/2026
			18/01/2027	22/01/2027
			01/03/2027	05/03/2027
Foundations of Embedded Systems 8051 Programming Essentials Arduino Programming Basics Interfacing Sensors with Arduino Case study: Home automation or security system prototype.				

## ELECTRICAL

Course Co-ordinator : Shri Palani AS, Training Officer  
 Contact No. :- 8297723984, Email Id:-palanias.dgt@dgt.gov.in

Course Code	Name of the Course	Duration (week/s)	Dates	
			From	To
EL-01	Electrical Motors विद्युतमोटरे	01	06/04/2026	10/04/2026
			08/06/2026	12/06/2026
			03/08/2026	07/08/2026
			05/10/2026	09/10/2026
Electric Motors - construction, working principle, starting methods, speed control & applications of 3 phase induction motors, 2 speed induction motors, 1 phase motors, DC motors, Servo motor, Stepper motor & Linear motor. Assembling and disassembling of motors. Plugging & Dynamic braking of motors. Trouble shooting in motors. Testing & Maintenance of motors. Testing of motors. Motor protection simulation				
EL-02	Electrical Motor control विद्युतमोटर नियंत्रण	01	20/04/2026	24/04/2026
			22/06/2026	26/06/2026
			17/08/2026	25/08/2026
			19/10/2026	23/10/2026
			30/11/2026	04/12/2026
Electrical control elements like contactors, overload relays, timers etc. Logic functions in electrical controls. Power and control circuits. DOL, Forward/Reverse and Star-Delta Starters for 3 ph Induction motors. Time delay & sequential control circuits. Industrial control circuits.				

	Trouble shooting in control/power circuits & starters. Static control of motors. Logical control of motors using PLC. Motor control using AC/DC Drives.			
EL-03	Electrical Maintenance विद्युतीयरखरखाव	01	04/05/2026	08/05/2026
			06/07/2026	10/07/2026
			26/10/2026	30/10/2026
			02/11/2026	06/11/2026
			14/12/2026	18/12/2026
Purpose & types of Maintenance. Maintenance of Electrical power distribution system. Maintenance of Motors, transformers, starters, switchgears, Diesel generator set, Electrical Sub-station, Circuit breakers, Batteries, UPS, AC plant, Air conditioners. Power supply problems and remedy. Power factor correction. Energy conservation. Earthing- maintenance, measurement of earth resistance. DO's and DON'Ts in Electrical Maintenance.				
EL-04	Electrical safety विद्युतसुरक्षा	01	20/07/2026	24/07/2026
			07/09/2026	11/09/2026
			16/11/2026	20/11/2026
			04/01/2027	08/01/2027
			15/02/2027	19/02/2027
Electrical Hazards: Electric Shock- Causes, effect, prevention. Burnscauses, effects & prevention. Protection against Electric shock. Earthing. Protective devices like MCB, ELCB / RCCB. Safe procedures in electrical maintenance works. Central Electricity Authority Regulations (CEAR-2010). Lockout and Tagout. Electrical Fire: Causes, prevention, fire fighting. Electrical safety. Safety precautions against electrical accidents. First aid. Case studies.				
EL-05	Protective relays & Circuit Breakers सुरक्षात्मकरिलेऔर सर्किटब्रेकर	02	18/05/2026	29/05/2026
			21/09/2026	02/10/2026
			25/01/2027	05/02/2027
Protection scheme in Generation, Transmission & Distribution systems. Electro Mechanical Relays, Static or Micro-controlled based relays, Numerical Relays. PSM, TMS, Characteristic Setting / programming, fault simulation, resetting & study of characteristics of Over voltage, Under voltage Relays. Over Current, Reverse power and Earth fault relays. Frequency relay, negative sequence relay, Differential relay, Thermal Relay, Buchholz Relay. CT & PT. Protection simulation study of Generators, Motors, Transformers.				

## INFORMATION TECHNOLOGY

Course Co-ordinator :Smt P Narmada, Training Officer  
 Contact No. :- 9945778353. Email id:-[narmada.nsti@gov.in](mailto:narmada.nsti@gov.in)

Course Code	Name of the Course	Duration (week/s)	Dates	
			From	To
IT-01	Data Vsualization using Power Bi	01	20/04/2026	24/04/2026
			06/07/2026	10/07/2026
			31/08/2026	04/09/2026
			26/10/2026	30/10/2026
			21/12/2026	24/12/2026
			29/06/2026	03/07/2026
Power BI Environment & Data Sources Data Transformation with Power Query ,Data Modeling & DAX Dashboard & Report Design				
IT-02	Python	02	06/04/2026	17/04/2026
			15/06/2026	26/06/2026
			10/08/2026	21/08/2026
			05/10/2026	16/10/2026
			30/11/2026	11/12/226
			14/12/2026	18/12/2026
Python Environment & Data Handling Conditional Logic & Control Flow Iterations & Looping Techniques Data Structures (List, Tuple, Set, Dictionary) Functions & String Processing File Operations & Error Handling Modules & Code Organization Object-Oriented Programming				

## METROLOGY

Course Co-ordinator :Shri.R Murugarajan DD  
 Contact No. :- 9176576437, Email id:-[murugarajan.r@dgt.gov.in](mailto:murugarajan.r@dgt.gov.in)

Course Code	Name of the Course	Duration (week/s)	Dates	
			From	To
MG-01	Engineering Inspection and Quality Control	01	11/05/2026	15/05/2026
			17/08/2026	21/08/2026
			14/12/2026	18/12/2026
			15/03/2027	19/03/2027
Fundamentals of Inspection & Metrology Quality Concepts,Limits & fits, Measurement Techniques & Instruments,Linear Measurement Tools (Hands-on),Error identification, Angular & Form Measurement , Dial indicator , Surface plate usage ,Advanced Measurement Systems,Inspection Planning & Methods, Acceptance Sampling,Practical Session Inspection of sample components, Recording observations ,Statistical Quality Control (SQC),Basic Statistics for QC,Process Capability, Control Charts,Data Analysis Exercise,Quality Systems & Problem Solving,Quality Management Systems : ISO 9001 overview , Measurement System Analysis (MSA) ,Root Cause Analysis				

MG-02	Fundamentals of GD&T (Geometric Dimensioning & Tolerancing)	01	15/06/2026	19/05/2026
			21/09/2026	25/09/2026
			18/01/2027	22/01/2027
	Introduction to GD&T, Standards: ASME Y 14.5 overview ,ISO 1101 overview ,Engineering Drawing Fundamentals for GD&T,Types of dimensions,Title block interpretation ,Concepts: Limits & fits ,Datums & Datum Reference Frame (DRF),Structure:Geometric characteristic symbol ,Tolerance value ,Material condition modifier, Datum references ,Position tolerance with MMC ,Profile tolerance ,Form Tolerances ,Tolerance zone shapes ,Surface vs axis control ,Orientation Tolerances , Profile Tolerances,Types:Runout Tolerances,Types,Material Condition ,Functional gauges ,Statistical tolerance ,Assembly fit analysis , Applications:Clearance verification ,Functional assembly , GD&T for Inspection,Inspection methods:Case Studies:Shaft & hole assembly,Common Errors & Best Practices.			
MG-03	Calibration and Measurement Errors (Metrology & Quality Control)	01	13/07/2026	17/07/2026
			16/11/2026	20/11/2026
			15/02/2027	19/02/2027
	Fundamentals of Measurement & Errors, Calibration,Calibration vs Verification, Calibration principles and standards ,calibration of common instruments,Traceability and compliance (ISO/NABL), calibration certificates Standards & Traceability: National standards (NABL, BIS),Calibration Intervals, Calibration of vernier caliper, Micrometer calibration using gauge blocks , Recording calibration data , Calibration & Error Analysis, Error calculation methods, measurement uncertainty, Sources of uncertainty ,Measurement System Analysis (MSA), Dial gauge calibration ,Quality Systems & Calibration Management,ISO 9001 / ISO 17025 overview ,Calibration records & audit requirements ,Documentation:Calibration log ,Equipment history card			

**FEE DETAILS FOR SHORT TERM COURSES**  
**लघु अवधि प्रशिक्षण कार्यक्रम के लिए शुल्क विवरण**

**a) TUITION FEES/ट्यूशन शुल्क**

COURSES	CATEGORY	TUITION FEE
Regular advanced level courses नियमित उन्नत स्तर के पाठ्यक्रम	Candidates sponsored from medium and large-scale Industries in both Public and Private Sector	Rs. 2,000/- per trainee per week
	Candidates sponsored from Small-Scale Industries & Private candidates.	Rs. 1,000/- per trainee per week
	Candidates nominated by Government department such as Railways, Defence, etc.	Rs. 1,250/- per trainee per week
	Candidates sponsored from Educational Institutes like Polytechnic/Engg.Colleges and other related Technical Institutions, etc.	Rs. 1,000/- per trainee per week

Tailor-made courses (Min. 10 Participants) अनुकूलित पाठ्यक्रम (न्यूनतम 10 प्रतिभागी)	Candidates sponsored by Medium and LargeScale Industries in both Public and Private Sector	Rs. 4,000/- per trainee per week
	Candidates nominated by Government department such as Railways, Defence, etc.	Rs. 2,500/- per trainee per week
	Candidates sponsored from Educational Institutes like Polytechnic/Engg.Colleges and other related Technical Institutions, etc.	Rs.2000/- per trainee per week

(Fees may be subject to vary)

**b) OTHER FEES/अन्य शुल्क**

1. Application &Registration Fee per course: Rs. 100/ -
2. Gymkhana Fee per course (to be paid in CASH only )
  - a) Rs. 10/- for Regular courses
  - b) Rs.15/- for Tailor Made Courses.

**HOW TO REACH/ कैसे पहुँचें**

**LOCATION:** The Institute is located near Kanteerava Film Studio on the Outer Ring Road and way to Peenya.

**Bus Routes:**

- From Majestic: 80C, 80F, 98E, 252F, 252H
- From K. R. Market: 77A, 77F, 251E,
- From Shivajinagar: 94A

To reach at Kanteerava Studio signal Bus stop

**Nearest Metro Station:** Goraguntepalya (Green Line)



13.02177, 77.52899

**For further details contact:**

**THE PRINCIPAL**

**NATIONAL SKILL TRAINING INSTITUTE**

**Outer Ring Road, Off Tumkur Road, Yeshwanthpur Post,**

**Bengaluru-560 022**

राष्ट्रीय कौशल प्रशिक्षण संस्थान

आउटर रिंग रोड, तुमकुर रोड के पास, यशवंतपुर पोस्ट,

बेंगलुरु-560 022

**Contact :- Smt.P.Narmada Training Officer**

**Phone No.080-2952 4112**

**e-mail:nsti-bengaluru1@dgt.gov.in**

**For more details please visit: [www.nstibengaluru.dgt.gov.in](http://www.nstibengaluru.dgt.gov.in)**