



Directorate General of Training



सत्यमेव जयते

भारत सरकार

Government of India

कौशल विकास और उद्यमिता मंत्रालय

Ministry of Skill Development & Entrepreneurship

प्रशिक्षण महानिदेशालय

Directorate General of Training

राष्ट्रीय कौशल प्रशिक्षण संस्थान NATIONAL SKILL TRAINING INSTITUTE

वी. एन. पूरव मार्ग, चुनाभट्टी, सायन (पूर्व), मुंबई - 400 022.

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Skill India
कौशल भारत - कुशल भारत



SHORT TERM TRAINING CALENDAR 2023-2024

Short Term Courses Conducted for Reskilling and Upskilling



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About the Institute

National Skill Training Institute (NSTI), Mumbai is one of the premier institutes run by the Directorate General of Training (DGT) under the ambit of Ministry of Skill Development and Entrepreneurship, Govt. of India. The main objective of NSTI is to impart training to the instructor of ITIs in our country. On 20th March, 2023 the institute has completed glorious & fruitful 60 years in skill building for our nation by conducting short-term as well as long-term courses. In NSTI, Mumbai training is imparted across 13 CITS (Craftsmen Instructor Training Scheme) trades, 2 CTS (Craftsmen Training Scheme) trades, and a Diploma course in IT, Networking, and Cloud Computing with IBM collaboration. Trades like Electrician, Fitter, Turner, Welding, etc are the most popular courses with total a trainees strength of approximately 600 across all the trades.

Many industrial establishments, institutions and organisations have utilised the technical know-how and expertise of this institute and have achieved higher qualitative production and continue to depute their existing workforce for retraining and skill gap training. The faculty of the institute are experts, posses vast experience and are trained in latest technology in the relevant field in India and abroad. NSTI, Mumbai since its inception, a total of 15,290 trainees have been trained in CITS under various trades. Additionally, 7,680 trainees have been under CTS since its inception and more than 56,270 participants have been trained in various short-term training programs. It's also worth noting that to date, over 750 trainees have undergone on-the-job training, which highlights the practical and hands-on approach taken by this institute. There are 9 MoUs have been made with the various industries for Dual System of Training -OJT.

The training programs are designed by our officers in consultation with industry experts and individuals by identifying the industrial needs of the mechanical, electrical, electronics, and chemical sectors. The training programs are structured through level structured training programs so that all trainees will be competent enough with the skills acquired that are required for wage and self-employment.

We at National Skill Training Institute, Mumbai continuously strives to frame and modify its training deliverables in line with demand from industry, academia etc. Also we are ecstatic to publish this training calendar and seeks to serve the nation by imparting quality training !!

SHORT TERM COURSE

ST - 1

ADVANCED ELECTRONICS

The laboratory is well equipped with various types in the field of electronics trainer kits to implement the training courses. There are modern test & measuring instruments to give hands on experience in trouble shooting and development in the field of electronics. The section also has facilities to conduct training programme in Hi tech areas like PLC and Micro Controller. The Section is conducting following courses:

Course Name	Duration (Weeks)	Intake Capacity	From	To
Rockwell PLC and SCADA Programming	02	10	10.04.23	21.04.23
			12.06.23	23.06.23
			17.07.23	28.07.23
			14.08.23	25.08.23
			01.01.24	12.01.24
			12.02.24	23.02.24
PLC Programming and Applications (Allenbradley & Siemens)	02	15	08.05.23	19.05.23
			03.07.23	14.07.23
			18.09.23	29.09.23
			30.10.23	10.11.23
			04.12.23	15.12.23
			26.02.24	08.03.24
29.01.24	09.02.24			
Rockwell Automation Control Logix PLC and SCADA Programming	02	8	05.06.23	16.06.23
			31.07.23	11.08.23
			04.09.23	15.09.23
			20.11.23	01.12.23
			15.01.24	25.01.24
IoT and its applications with Arduino	01	10	28.08.23	01.09.23
			09.10.23	13.10.23
			13.11.23	17.11.23
			11.03.24	15.03.24



TRAINING CALENDAR 2023-2024

ST - 2

ADVANCED WELDING

The courses under advanced welding are useful for automobile industries, construction sector, petrochemical and ship building industries. The courses are designed for those who want to learn the theory and skill of welding.

Course Name	Duration (Weeks)	Intake Capacity	From	To
Gas Tungsten Arc Welding on Aluminium Plate	01	16	03.04.23 04.09.23 20.11.23 01.01.24	06.04.23 08.09.23 24.11.23 05.01.24
Gas Tungsten Arc Welding on Stainless Steel Plate	01	16	10.04.23 19.06.23 11.09.23 11.12.23 19.02.24	14.04.23 23.06.23 15.09.23 15.12.23 23.02.24
High Pressure Pipe Welding by GTAW +SMAW on Carbon Steel Pipe	01	16	01.05.23 10.07.23 03.10.23 04.12.23 12.02.24	04.05.23 14.07.23 06.10.23 08.12.23 16.02.24
Gas Metal Arc Welding on Stainless Steel Plate (MIG)	01	16	24.04.23 03.07.23 25.09.23 28.11.23 08.01.24	28.04.23 07.07.23 29.09.23 01.12.23 12.01.24
GMAW (C.S.) Plate & Pipe Welding	01	16	17.04.23 26.06.23 26.12.23 26.02.24	21.04.23 30.06.23 29.12.23 01.03.24
Submerged Arc Welding (SAW)	01	16	29.05.23 31.07.23 09.10.23	02.06.23 04.08.23 13.10.23
NDT- Liquid Penetrant Test (PT)	01	16	05.06.23 21.08.23 16.10.23 15.01.24 04.03.24	09.06.23 25.08.23 20.10.23 19.01.24 08.03.24
NDT – Magnetic Partical Test (MT)	01	16	28.08.23 16.10.23 22.01.24 11.03.24	01.09.23 20.10.23 25.01.24 15.03.24
NDT- Radiographic Flim Interpetation (RFI)	01	16	24.07.23 30.10.23 29.01.24	28.07.23 03.11.23 02.02.24
Plasma & Oxy-Fuel Gas Cutting on Ferrrous & Non-Ferrous Metals	01	16	05.02.24 18.03.24	09.02.24 22.03.24

SHORT TERM COURSE

ST - 3

AUTOMOBILE

During training in Automobile the participants are acquiring both theoretical the practical skill/ knowledge of operating principles of diesel/petrol engines. Participants gain practical experience in assembling, testing, troubleshooting and tuning of engines as well as the use and application of tools & equipment required.

Course Name	Duration (Weeks)	Intake Capacity	From	To
Maintenance, Servicing and Overhauling of Auto Electrical / Electronic System	01	15	24.04.23 07.08.23 17.07.23 14.08.23 03.10.23 28.11.23 29.01.24	28.04.23 11.08.23 21.07.23 18.08.23 06.10.23 01.12.23 02.02.24
Maintenance, Servicing and Overhauling of Automotive Petrol Engine	01	10	22.05.23 28.08.23 11.12.23 19.06.23 30.10.23 26.12.23 18.03.24	26.05.23 01.09.23 15.12.23 23.06.23 03.11.23 29.12.23 22.03.24
Maintenance, Servicing and Overhauling of Automotive Diesel Engine	01	10	12.06.23 11.09.23 08.05.23 07.08.23 04.12.23 26.02.24 11.03.24	16.06.23 15.09.23 12.05.23 11.08.23 08.12.23 01.03.23 15.03.24
Basic Car Maintenance	01	15	10.07.23 09.10.23 15.05.23 06.11.23 08.01.24 15.01.24 19.02.24	14.07.23 13.10.23 19.05.23 10.11.23 12.01.24 19.01.24 23.02.24
Basic Servicing and Maintenance of Electric Vehicle	01	10	24.07.23 20.11.23 05.02.24 17.04.23 04.09.23 22.01.24 04.03.24	28.07.23 24.11.23 09.02.24 21.04.23 08.09.23 25.01.24 07.03.24

TRAINING CALENDAR 2023-2024

ST - 4

ELECTRICAL MAINTENANCE

Following courses are meant for technical personnel involved in the Operation & Maintenance of Electrical Equipments. Practicals are conducted using indigenous electrical trainer kits. Siemens DC Drive 6 RA70, Siemens Micromaster, ABB, ACS 800 AC Drive, Siemens Logo etc.

Course Name	Duration (Weeks)	Intake Capacity	From	To
AC Drive (SIEMENS MICROMASTER-440)	01	10	10.04.23	14.04.23
			08.05.23	12.05.23
			05.06.23	09.06.23
			03.07.23	07.07.23
			31.07.23	04.08.23
			04.09.23	08.09.23
			16.10.23	20.10.23
			20.11.23	24.11.23
			18.12.23	22.12.23
			15.01.24	19.01.24
			12.02.24	16.02.24
			04.03.24	08.03.24
			AC Electric Motors- Testing, Operation & Maintenance	01
15.05.23	19.05.23			
12.06.23	16.06.23			
10.07.23	14.07.23			
07.08.23	11.08.23			
11.09.23	15.09.23			
30.10.23	03.11.23			
04.12.23	08.12.23			
01.01.24	05.01.24			
29.01.24	02.02.24			
19.02.24	23.02.24			
11.03.24	15.03.24			
Starter & Soft Starter	01	10	24.04.23	28.04.23
			22.05.23	26.05.23
			19.06.23	23.06.23
			17.07.23	21.07.23
			21.08.23	25.08.23
			09.10.23	13.10.23
			06.11.23	10.11.23
			11.12.23	15.12.23
			08.01.24	12.01.24
			05.02.24	09.02.24
			26.02.24	01.03.24
			18.03.24	22.03.24

SHORT TERM COURSE

ST - 5

INDUSTRIAL CHEMISTRY

The courses under Industrial Chemistry are designed to impart training in analysis which are widely used in the chemical industry. Principles, procedures, industrial applications and handling of related instruments form the core of the training courses offered. The following courses are conducted :

Course Name	Duration (Weeks)	Intake Capacity	From	To
Analysis By High Performance Liquid Chromatography	01	10	10.04.23	14.04.23
			08.05.23	12.05.23
			05.06.23	09.06.23
			03.07.23	07.07.23
			31.07.23	04.08.23
			04.09.23	08.09.23
			16.10.23	20.10.23
			20.11.23	24.11.23
			18.12.23	22.12.23
			15.01.24	19.01.24
			12.02.24	16.02.24
			04.03.24	08.03.24
			Analysis by Gas Chromatography	01
15.05.23	19.05.23			
12.06.23	16.06.23			
10.07.23	14.07.23			
07.08.23	11.08.23			
11.09.23	15.09.23			
30.10.23	03.11.23			
04.12.23	08.12.23			
01.01.24	05.01.24			
29.01.24	02.02.24			
19.02.24	23.02.24			
11.03.24	15.03.24			



TRAINING CALENDAR 2023-2024

ST - 6

METROLOGY & ENGINEERING INSPECTION

Theoretical inputs on following courses of Total Quality Management, ISO are useful for persons engaged in quality control as well as production related activities.

Course Name	Duration (Weeks)	Intake Capacity	From	To
Metrology & Engineering Inspection	01	20	10.04.23 08.05.23 05.06.23 17.07.23 25.09.23 04.12.23 04.03.24	14.04.23 12.05.23 09.06.23 21.07.23 29.09.23 08.12.23 08.03.24
Calibration of Mechanical Measuring Instrument & Gauges	01	20	24.04.23 22.05.23 19.06.23 31.07.23 11.09.23 06.11.23 12.02.24	28.04.23 26.05.23 23.06.23 04.08.23 15.09.23 10.11.23 16.02.24
ISO 9001 : 2015	01	20	03.07.23 18.12.23 29.01.24	07.07.23 22.12.23 02.02.24
Total Quality Management	01	20	28.08.23 23.10.23 08.01.24	01.09.23 27.10.23 12.01.24
Integrated Management System	01	20	09.10.23 20.11.23	13.10.23 24.11.23



SHORT TERM COURSE

ST - 7

MACHINE TOOL MAINTENANCE

The basic objective is to impart training in conventional and preventive maintenance. Participants are exposed to hands on experience as they attend to different types of machines available in the main workshop.

Course Name	Duration (Weeks)	Intake Capacity	From	To
Repair & Maintenance of Lathe & Milling Machine	01	20	24.04.23	28.04.23
			17.07.23	21.07.23
			07.08.23	11.08.23
			05.02.24	09.02.24
			04.03.24	08.03.24
			11.12.23	15.12.23
Preventive Maintenance of Machine Tools	01	20	05.06.23	09.06.23
			03.07.23	07.07.23
			21.08.23	25.08.23
			04.09.23	08.09.23
			20.11.23	24.11.23
			04.12.23	08.12.23
			18.12.23	22.12.23
Bearing & lubrication	01	20	01.01.24	05.01.24
			26.06.23	30.06.23
			10.07.23	14.07.23
			28.08.23	01.09.23
			11.09.23	15.09.23
			09.10.23	13.10.23
			08.01.24	12.01.24
			15.01.24	19.01.24
			12.02.24	16.02.24
			19.02.24	23.02.24
11.03.24	15.03.24			
18.03.24	22.03.24			



TRAINING CALENDAR 2023-2024

ST - 8

ADVANCED TOOL & DIE MAKING

Tool & Die making section has conventional as well as high precision Tool Room machines to conduct short-term training programmes to improve the skill of the operators, supervisors, technicians and engineers. The section is conducting following courses:

Course Name	Duration (Weeks)	Intake Capacity	From	To
Press Tool Making "Basic"	01	10	10.04.23 17.04.23	14.04.23 21.04.23
Jig Making	01	10	12.06.23 24.07.23 07.08.23 19.09.23	16.06.23 28.07.23 11.08.23 22.09.23
Fixture Making	01	10	19.06.23 06.11.23	23.06.23 10.11.23
Tool Room Precision Machine	01	10	17.04.23 25.09.23 13.10.23	21.04.23 29.09.23 17.10.23

ST - 9

CNC

CNC Program is meant to develop programming techniques for those who wish to progress for setting and operating CNC machines, it focuses on CNC terminology, basic machine operation, setup and programming for CNC Turning machine.

Course Name	Duration (Weeks)	Intake Capacity	From	To
CNC Programming and Machining on Turning (Fanuc / Siemens)	02	12	10.04.23 01.05.23 15.05.23 05.06.23 26.06.23 17.07.23 07.08.23 21.08.23 04.09.23 02.10.23 23.10.23 06.11.23 27.11.23 11.12.23 08.01.24 22.01.24 12.02.24 04.03.24 18.03.24	21.04.23 12.05.23 26.05.23 16.06.23 07.07.23 28.07.23 18.08.23 01.09.23 15.09.23 13.10.23 03.11.23 17.11.23 08.12.23 22.12.23 19.01.24 02.02.24 23.02.24 15.03.24 29.03.24

SHORT TERM COURSE

ST - 10

HYDRAULICS & PNEUMATICS

The Hydraulics & Pneumatics Laboratory is equipped with the state of art training kits from M/s FESTO of Germany, Training is offered in the areas of Hydraulics & Pneumatics. Electro Hydraulics & Pneumatics, PLC based Hydraulics & Pneumatics. Use of the simulation software and the graded exercises makes learning easy. These programs are useful in acquiring skills in the area of industrial automation. The section is conducting following courses.

Course Name	Duration (Weeks)	Intake Capacity	From	To
Industrial Pneumatics	01	10	10.04.23	14.04.23
			08.05.23	12.05.23
			05.06.23	09.06.23
			03.07.23	07.07.23
			31.07.23	04.08.23
			04.09.23	08.09.23
			16.10.23	20.10.23
			20.11.23	24.11.23
			18.12.23	22.12.23
			15.01.24	19.01.24
			12.02.24	16.02.24
			04.03.24	08.03.24
			Industrial Hydraulics	01
15.05.23	19.05.23			
12.06.23	16.06.23			
10.07.23	14.07.23			
07.08.23	11.08.23			
11.09.23	15.09.23			
30.10.23	03.11.23			
04.12.23	08.12.23			
01.01.24	05.01.24			
29.01.24	02.02.24			
19.02.24	23.02.24			
11.03.24	15.03.24			
Industrial Automation with Electro-Hydraulics & Electro-Pneumatics	01	10		
			22.05.23	26.05.23
			19.06.23	23.06.23
			17.07.23	21.07.23
			21.08.23	25.08.23
			09.10.23	13.10.23
			06.11.23	10.11.23
			11.12.23	15.12.23
			08.01.24	12.01.24
			05.02.24	09.02.24
			26.02.24	01.03.24
			18.03.24	22.03.24

TRAINING CALENDAR 2023-2024

ST - 11

PROCESS CONTROL INSTRUMENTATION

This section is implementing the training programme with the help of various indigenous instrumentation training kits. The courses aim at updating and upgrading the knowledge and skill of process industry technicians. The section is conducting following courses.

Course Name	Duration (Weeks)	Intake Capacity	From	To
Honeywell DCS programming and Applications	02	10	14.08.23	25.08.23
			04.12.23	15.12.23
			08.01.24	19.01.24
			18.03.24	29.03.24
Process Instrumentation and Control	02	10	10.04.23	21.04.23
			08.05.23	19.05.23
			12.06.23	23.06.23
			10.07.23	21.07.23
			30.10.23	10.11.23
PID Controller and Tunning	01	10	26.02.24	08.03.24
			29.05.23	02.06.23
			04.09.23	08.09.23
			20.11.23	24.11.23
			22.01.24	25.01.24
Smart Process Devices and its applications	01	10	11.03.24	15.03.24
			22.05.23	26.05.23
			05.06.23	09.06.23
			24.07.23	28.07.23
			28.08.23	01.09.23
			11.09.23	15.09.23
			09.10.23	13.10.23
05.02.24	09.02.24			



ST - 12

UNIT OPERATION LAB

Unit Operation refers to a basic step or stage of a chemical process that involves a physical change or chemical transformation of materials. Courses are designed to train individuals in the operation and Maintenance of various types of equipment used in chemical industry. Trainees will learn how to operate and maintain these machines efficiently, making them valuable assets in the industrial sector.

Course Name	Duration (Weeks)	Intake Capacity	From	To
Operation and Maintenance of Pumps & Valves	01	15	24.04.23	28.04.23
			22.05.23	26.05.23
			19.06.23	23.06.23
			17.07.23	21.07.23
			21.01.23	25.08.23
			09.10.23	13.10.23
			06.11.23	10.11.23
			11.12.23	05.12.23
			08.01.24	12.01.24
			05.02.24	09.02.24
			26.02.24	01.03.24
			18.03.24	22.03.24



TRAINING CALENDAR 2023-2024

ST - 13

RENEWABLE ENERGY (SOLAR)

This lab is well equipped with various types of solar trainer kit and modern equipments to implement the training process and understand the concept. Trainees will get hands- on skills. Learn how to utilize solar energy (Green Energy) and reduce your home's electricity bill. Also reduces the carbon emission and save the earth from Global warming.

Course Name	Duration (Weeks)	Intake Capacity	From	To
Installation & Commissioning Skills of Solar PV System	01	20	10.04.23	14.04.23
			08.05.23	12.05.23
			29.05.23	02.06.23
			19.06.23	23.06.23
			24.07.23	28.07.23
			07.08.23	11.08.23
			04.09.23	08.09.23
			16.10.23	20.10.23
			11.12.23	15.12.23
			08.01.24	12.01.24
			26.02.24	01.03.24
Designing, Testing & Maintenance of Solar PV System	01	20	24.04.23	28.04.23
			15.05.23	19.05.23
			05.06.23	09.06.23
			03.07.23	07.07.23
			31.07.23	04.08.23
			28.08.23	01.09.23
			11.09.23	15.09.23
			20.11.23	24.11.23
			18.12.23	22.12.23
			15.01.24	19.01.24
			19.02.24	23.02.24
04.03.24	08.03.24			
18.03.24	22.03.24			
Testing & Maintenance of Hybrid Electrical System	01	20	22.05.23	26.05.23
			12.06.23	16.06.23
			21.08.23	25.08.23
			09.10.23	13.10.23
			04.12.23	08.12.23
			29.01.24	02.02.24
Solar PV Integrator	02	20	10.07.23	21.07.23
			06.11.23	17.11.23
			05.02.24	16.02.24

TUITION FEE STRUCTURE FOR SHORT TERM COURSES

Category	Fee per Week per Trainee	
	Regular Course	Tailor made course
Medium/Large Scale Industries both Pvt & Public Sectors	Rs.2000/-	Rs.4000/-
Small Scale Industries (SSI) & Private Candidates	Rs.1000/-	–
Govt. Department e.g. Railways/ Defence etc.	Rs.1250/-	Rs.2500/-
Educational Institutes like Polytechnics, Engineering Colleges etc.	Rs.1000/-	Rs.2000/-

Hostel Rent : **Rs.100/-** per trainee per day (on sharing basis)

Gymkhana Fee : **Rs.10/-** For Regular courses per trainee per course payable in cash at the time of admission.

Rs.15/- For Tailor made courses per trainee per course payable in cash at the time of admission.

Registration Charges : **Rs.100/-** Completed application should reach the Institute at least 20 days before the commencement of the course. Apply separately for each course.

Tuition Fee and Registration charges please pay by Cheque or DD (Mumbai clearing) in favour of

“PAO, MSDE, MUMBAI”

Tuition & Registration Fee will be paid through government website

: **bharatkosh.gov.in** for private candidates

ENTRY QUALIFICATIONS

- Degree / Diploma in relevant branch of Engineering or NTC /NAC with 2/3 years in relevant trade experience.
- For Industrial Chemistry : B.Sc. with Chemistry
- For Basic Car Maintenance : S.S.C./ H.S.C. with Driving Licence.

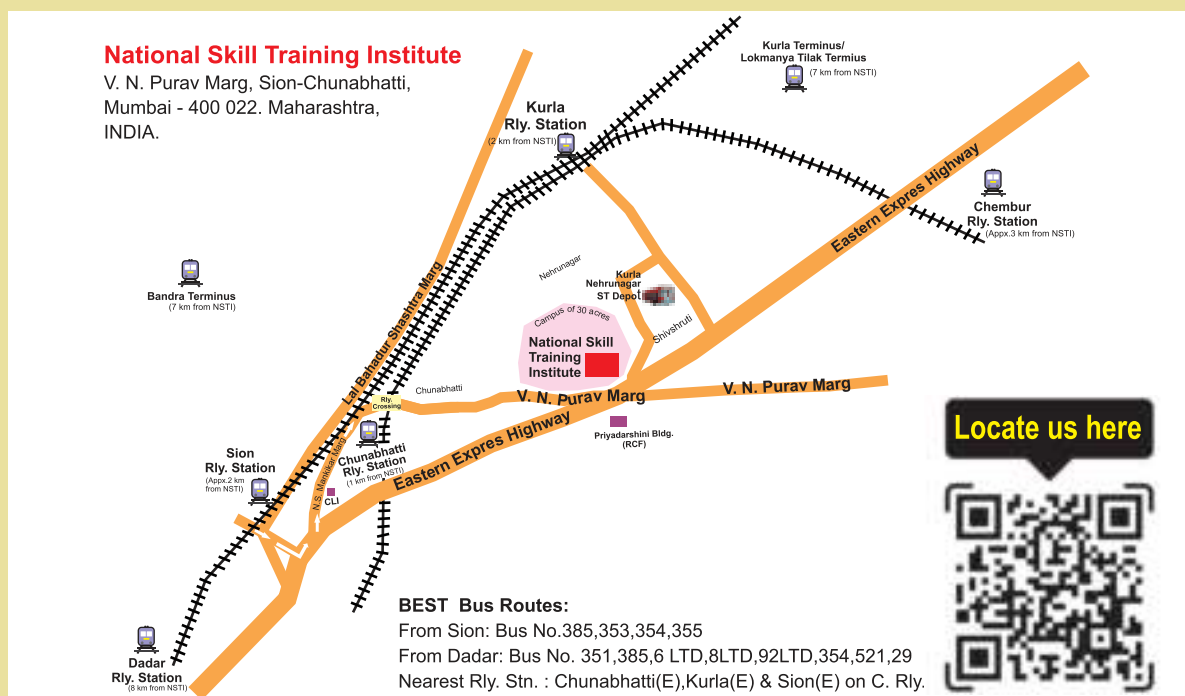
FOR SPONSORED CANDIDATES

Candidates with Matriculation or equivalent with Science and Maths with 3/5 years trade experience and sponsored by Industry, Ministry / Organisation.

NOTE

- The Regional Director may change/cancel any programme without assigning reason.
- If Monday is holiday, the scheduled course will commence on next working day and if Friday is holiday the course will conclude on the previous working day.
- Nominees/participants should not start their journey for joining any course without receiving confirmation from this Institute. If confirmation is not received, it may be obtained over telephone or e-mail to avoid embarrassment due to cancellation of the course by chance.
- At the end of the course, Certificate will be issued to the trainees who have successfully completed the course with attendance of 80% and above only.
- Application / Nominations received without prescribed application cum registration charges will be rejected.
- Xerox copies of Qualification (Marksheet), experience should be attached with application.
- Original Marksheet should be produced at the time of admission.
- Application/ Nominations should reach this Institute at least 3 weeks prior to the date of commencement of course.
- Seats will be confirmed to selected candidates only.

LOCATION OF INSTITUTE



For further information contact :

The Regional Director,
National Skill Training Institute,
V. N. Purav Marg, Sion, Mumbai-400 022.

Phone : 022-2405 3560 E-mail: nsti-mumbai@dgt.gov.in Website : nstimumbai.dgt.gov.in



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