



सत्यमेव जयते

भारत सरकार / Government of India

कौशल विकास एवं उद्यमशीलता मंत्रालय / Ministry of Skill Development & Entrepreneurship

प्रशिक्षण महानिदेशालय / Directorate General of Training

क्षेत्रीय कौशल विकास एवं उद्यमशीलता निदेशालय /

Regional Directorate of Skill Development & Entrepreneurship

राष्ट्रीय कौशल प्रशिक्षण संस्थान / **NATIONAL SKILL TRAINING INSTITUTE**

विद्यानगर, हैदराबाद / **Vidyanagar, Hyderabad – 500 007**



ई-मेल / E-mail : nsti-hyderabad1@dgt.gov.in

वेबसाइट / Website : nstihyderabad2.dgt.gov.in

फोन नं. / Phone No.: 040 – 2742 8058

TRAINING CALENDER FOR SHORT TERM COURSES 2022 – 2023



**National Skill Training Institute,
Opposite Shivam Temple, Shivam Road,
Vidyanagar, Hyderabad – 500 007
Land mark : opposite shivam temple**



Millions and Millions of Indian youth should go for acquisition of skills and there should be a network across the country for this and not the archaic systems. They should acquire the skills which could contribute towards making India a modern country. Whenever they go to any country in the world, their skills must be appreciated.

SHRI NARENDRA MODI
(Hon'ble Prime Minister of India)



Shri Dharmendra Pradhan
(Minister of SDE)



Shri Rajeev Chandrasekhar
(MoS for SDE)

About DGT

The Directorate General of Training (DGT) in Ministry of Skill Development and Entrepreneurship is the apex organisation for development and coordination at National level for the programmes relating to vocational training including Women's Vocational Training. 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 specialized 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 are the responsibility of the DGT. But, day-to-day administration of Industrial Training Institutes rests with the State Governments/ Union Territories Administrations.

About NSTI, Vidyanagar, Hyderabad

National Skill Training Institute (NSTI) is one of the premier institutes run by the by the Directorate General of Training (DGT), Ministry of Skill Development and Entrepreneurship, Govt.of India. It was initially set up by the Directorate General of Employment and Training (DGE&T), Ministry of Employment and Labour, Govt. of India in the year 1963 with the main objective of imparting training to the instructor of ITIs in the country.

The mission and vision of NSTI Hyderabad to impact Quality training upgrading skills of the industrial workforce in emerging areas. Another important objective of NSTI is continually making efforts to bridge the gap between industry & academics and to enhance the employability skills of craftsman to enhance the credibility of certification for Craft Instructor Training and to facilitate placement through its placement cell.

Vision

To make this institute as pioneering in providing skill training and learning service with focus on maintaining International standards.

Mission

To strive to continually upgrade and update the skills of technical personnel by systematic training and keep them abreast with the technological advancement to foster innovation & emphasis on higher productivity.

COURSES OFFERED

- i) Craft Instructor training course under craft instructor training scheme (CITS) for one year duration.
- ii) New age course for Craftsmen Training Scheme (CTS) for one year duration
- ii) A special short-term course for CNC Programming and operation in Turning and Milling, CAD / CAM, Process Instrumentation Lab as per the demand of state directorates and other training institutions sponsored Instructor staff for two weeks or Govt / Pvt establishments.

CNC SECTION

Objective:

To provide requisite knowledge, skill, proficiency, Competency & hands-on experience to carryout Quality Control (QC), Quality Assurance (QA), SPC in-line / process components /intricates parts through advanced Metrology & Engineering Inspection techniques, which are relevant to Modern industries.

Qualification:

ITI / DIPLOMA / DEGREE in Mechanical related trades / Engineering based disciplines.

Qualification is relaxable for industrially sponsored candidates having industrial experience.

CNC SECTION

Course Co-ordinator: Shri B.Murali krishna, Training Officer

Contact no. 9866313503

Course content

CNC machines working principles, features of CNC system & elements of CNC machines concept of CNC programming with basic 'G' codes & 'M' codes different co-ordinate systems, measurement of zero offsets, part program of turning with canned cycles subroutine programming, selection of tools, speed, feed & depth of cut, hands on experience on windows based CNC simulator, basic machine operations, measurement of zero offsets, editing of part programs, proving selected programs & Machining of Components

Course Code	Name of the Course	Duration (Weeks)	From	To
CNC-01	Awareness course on CNC Milling	01	05.12.2022	09.12.2022
CNC-02	Awareness course on CNC Turning	01	12.12.2022	16.12.2022
CNC-03	Training on CNC Milling Machine for Machinist	02	19.12.2022	30.12.2022
CNC-04	Training on CNC Lathe Machine for Turners	02	02.01.2023	13.01.2023
CNC-05	Programming and Operation on CNC Horizontal Machine Centre	02	16.01.2023	27.01.2023

CNC-06	Programming and Operation on CNC Vertical Machining Centre	02	30.01.2023	10.02.2023
CNC-07	Programming and Operation on CNC Turn Mill Centre	02	13.02.2023	24.02.2023

CAD – CAM SECTION

Objective:

To provide requisite knowledge, skill, proficiency, Competency & hands-on experience to carryout Quality Control (QC), Quality Assurance (QA), SPC in-line / process components /intricates parts through advanced Metrology & Engineering Inspection techniques, which are relevant to Modern industries.

Qualification:

ITI / DIPLOMA / DEGREE in Mechanical related trades / Engineering based disciplines.

Qualification is relaxable for industrially sponsored candidates having industrial experience.

CAD Lab

Course Co-ordinator: Shri C. Gopinath, Assistant Director

Contact no. 9786858702

Course content

Introduction, admission, familiarization with institute introduction to auto cad, drawing layouts, tool bars, file creation, save, open existing drawings, creation of drawing sheet as per ISO, create line, break, erase, undo, absolute co-ordinate system related exercises using absolute co-ordinate system relative co-ordinate system and polar co-ordinate system, related exercises using relative co-ordinate system, polar coordinate system. Trim, offset, fillet, chamfer commands drawing practice using trim, offset, fillet, chamfer commands arc, circle commands drawing practice using arc, circle commands move, copy, array, insert block, make block, scale, rotate, hatch commands drawing practice using move, copy, array, insert block, make block, scale, rotate, hatch commands creating templates, inserting drawings, layers drawing practice using creating templates, inserting drawings, layers dimensioning drawings, creating styles in dimensioning, Drawing practice using dimensioning drawings, creating styles in dimensioning. introduction to 3d, 3d primitives, extrude, revolve command drawing practice using 3d primitives, extrude, revolve command setting user co-ordinate systems, rotating, plotting, print preview 3d drawing by using user co-ordinate systems. Plotting, print preview

Course Code	Name of the Course	Duration (Weeks)	From	To
CAD-01	AutoCAD-Basics	01	05.12.2022	09.12.2022
CAD-02	AutoCAD-2D Drafting and modeling	02	12.12.2022	23.12.2022
CAD-03	AutoCAD-MEP (Mechanical essentials)	01	26.12.2022	30.12.2022
CAD-04	AutoCAD- MEP (Electrical essentials)	01	02.01.2023	06.01.2023
CAD-05	Creo- Basics	01	09.01.2023	13.01.2023
CAD-06	Creo-Advanced	01	16.01.2023	20.01.2023
CAD-07	CATIA-Basics	01	23.01.2023	27.01.2023

CAD-08	CATIA-Advanced	01	30.01.2023	03.02.2023
CAE-01	Ansys-Basics	01	06.02.2023	10.02.2023
CAE-02	Ansys-Advanced	01	13.02.2023	17.02.2023
CAM-01	Additive Manufacturing Using 3D Printing	01	20.02.2023	24.02.2023
CAM-02	Mastercam- Milling	01	27.02.2023	03.03.2023
CAM-03	Mastercam- Turning	01	06.03.2023	10.03.2023

CONTROL TECHNOLOGY

Objective:

To provide requisite knowledge, skill, proficiency, Competency & hands-on experience to carryout Quality Control (QC), Quality Assurance (QA), SPC in-line / process components /intricates parts through advanced Metrology & Engineering Inspection techniques, which are relevant to Modern industries.

Qualification:

ITI / DIPLOMA / DEGREE in Mechanical related trades / Engineering based disciplines.

Qualification is relaxable for industrially sponsored candidates having industrial experience.

Hydraulics and Pneumatics section

Course Co-ordinator: Shri Jayant Paul, VI
Contact no. 8309652567

Course content:

Basics of HPC, Symbols, working principles, function and use of single, double solenoid valves - 4/2, 4/3, pressure switches, function and applications of programmable logic controllers, function and operations of input/output modules in programmable logic controllers. Translating ladder diagrams into standardized rung diagrams compatible with programmable logic controllers programming functions, applications and advantages of counters and timers in programmable logic controllers, PLC programming / executing, running and verifying accuracy of simple programs, simulation, modifying an existing program and executing and verifying its accuracy, perform required connections from programmable logic controllers to the input and output devices and verify accuracy of system operation, construction of ladder programming for various operations.

course Code	Name of the Course	Duration (Weeks)	From	To
IHPC-01	Industrial Pneumatic Controls	01	05.12.2022	09.12.2022
IHPC-02	Industrial Hydraulic Controls	01	12.12.2022	16.12.2022
IHPC-03	Industrial Hydraulic & Pneumatic Controls	02	19.12.2022	30.12.2022
IHPC-04	Electro- Hydraulics & Electro- Pneumatics for Automation	01	02.01.2023	06.01.2023

ADVANCED WELDING SECTION

Objective:

To provide requisite knowledge, skill, proficiency, Competency & hands-on experience to carryout Quality Control (QC), Quality Assurance (QA), SPC in-line / process components /intricates parts through advanced Metrology & Engineering Inspection techniques, which are relevant to Modern industries.

Qualification:

ITI / DIPLOMA / DEGREE in Mechanical related trades / Engineering based disciplines.

Qualification is relaxable for industrially sponsored candidates having industrial experience.

WELDING SECTION				
Name: Shri B.Narasimha Prasad, VI				
Contact: 9866202180				
Course content				
Introduction, awareness of welding & safety , Terms & definition of welding , Electrical terms &AC, DC Polarity control system , Introduction to GTAW equipments and power source ,Types of tungsten electrodes and their uses , Types of Inert gases and their character in shielding ,Properties of ferrous & non- ferrous metals , Principle of HF unit & DC suppressor, torches and maintenance , Concept of pulsed TIG Welding , Defects, causes and remedy. Oxy-Acetylene welding practice on M.S. TIG Welding machine current setting & operation- safety , Depositing bead by GTAW , Joints on M.S. Sheets (Butt& Fillet) , Joints on Aluminum (Butt & fillet) , Joints on Stainless Steel (Butt & Fillet) ,Polarity control system ,Pulsed/wave current activities.				
Course Code	Name of the Course	Duration (Weeks)	From	To
AW-01	Advanced Welding (SMAW,GMAW & GTAW)	02	05.12.2022	16.12.2022
AW-02	High Pressure Pipe Weling-6G	02	19.12.2022	30.12.2022
AW-03	MIG/CO2 Welding	01	02.01.2023	06.01.2023
AW-04	TIG Welding (SS, Al.& Cu.)	01	09.01.2023	13.01.2023

**NSTI, Vidyanagar, Hyderabad.
FEE STRUCTURE for Short Term Courses**

COURSES	CATEGORY	Tuition Fees per Trainee per week
Regular Advanced level courses (Period upto 12 Weeks)	Candidates sponsored from Medium and large scale Industries in both Public and Private sector.	Rs.2000/-
	Candidates sponsored from Small Industries and Private candidates	Rs.1000/-
	Candidates nominated by Government	Rs.1250/-

	Departments like Railway, Defense etc.	
	Candidates sponsored from Educational Institute like Polytechnic / Engg. college & other related Technical Institutions etc.	Rs.1000/-
Tailor made Courses/Special advanced Level Courses	Candidates sponsored from Medium and large scale Industries in both Public and Private sector.	Rs.4000/-
	Candidates nominated by Government Departments like Railway, Defense etc.	Rs.2500/-
	Candidates sponsored from Educational Institute like Polytechnic / Engg. college & other related Technical Institutions etc.	Rs.2000/-

Code	Category	Fees
A	Application Cum Registration fees	Application cum Registration Fees of Rs.100/-.
B	Hostel Rent fees	Rs.100/- per day per participant at the time of admission in case Hostel Accommodation is Required.
C	Gymkhana Fees	Rs.10/- per Course for Regular/Advanced level Courses and Rs.15/- per course for the tailor made courses (TMC)

Important instructions for participants and sponsoring authorities applying for short term and Tailormade courses.

- a. Application forms can be obtained from the Institute directly or downloaded from our website: nsti-hyderabad2@dgt.gov.in
- b. Attested copies of educational qualification & experience to be enclosed alongwith the application nominees sponsored by SSI should enclose a copy of valid SSI registration certificate.
- c. Application with necessary enclosures should reach the Institute atleast four weeks prior to the commencement of the scheduled course.
- d. Application & Registration fee once paid will not be refunded ay any cost.
- e. Nominees should report at the institute with the intimation / confirmation letter on the day of commencement of the course at 9 am.
- f. If Monday happens to be a holiday, the scheduled courses will commence on next working day and If Friday happens to be a holiday, the scheduled course will conclude on the previous working day.
- g. The Regional Director may change / cancel any training program without assigning any reason.
- h. Hostel facilities are limited & accommodation is allotted on first come first serve basis.

- i. Under any circumstances participants accompanying family members will not be provided room in the hostel. Such requests for family accommodation will not be entertained.
- j. The courses will conclude at 5.00 pm on the last working day of the course. Certificates & Relieving orders will be issued only after 5.00 pm on the last day.

CENTRE OF EXCELLENCE FACILITIES:

- ✓ **CNC LAB**
- ✓ **CAD / CAM LAB**
- ✓ **COE LAB**
- ✓ **HYDRAULICS AND PNEUMATICS LAB**
- ✓ **ELECTRICAL LAB**
- ✓ **WELDING WORKSHOP**

For further details contact:

**The Regional Director
NATIONAL SKILL TRAINING INSTITUTE
Opposite Shivam Road, Shivam Road, Vidyanagar,
Hyderabad – 500 007
Telangana**

Email: nsti-hyderabad1@dgt.gov.in

For more details please visit: WWW.nsti-hyderabad2@dgt.gov.in

