



MSDE(DGT)-19/02/2023-CD (E58176)
Government of India
Directorate General of Training (DGT)
Ministry of Skill Development & Entrepreneurship (MSDE)

Kaushal Bhawan, Chanakyapuri
New Delhi – 110023
Dated: 01st September 2026

To

The Commissioners/Directors, dealing with Craftsmen Training Scheme (CTS) of all States/UTs. / Regional Directors, All RDSDEs. / Principals, All NSTIs/NSTI(W).

Sub: Introduction of new short-term course and revision of existing courses under the Craftsmen Training System (CTS) in ITIs/NSTIs/IToTs (Govt. & Pvt.) from the Session 2026-27 Onwards – **Reg.**

Madam/Sir,

With India's increasing emphasis on building a strong skill development ecosystem, the Directorate General of Training (DGT) has been taking proactive steps to develop a structured framework for skill development programs. These include introduction of new courses (both long-term and short-term), revision of existing curricula, alignment of courses with NCeF, mandatory 150 hours OJT/project work etc. These measures aim to equip trainees with industry-relevant competencies, ensuring they are well-prepared for the evolving job market.

In line with these initiatives, DGT has developed following new short-term course and revised existing courses under Craftsmen Training Scheme (CTS):

1. 240-Hour Short-Term Course:

To enhance opportunities for CTS and Craft Instructor Training Scheme (CITS) students, 240 hours have been provisioned to enable trainees to either opt for add-on short-term courses or pursue a 10th/12th class certificate alongside their ITI certification

A new short-term course, approved by NCVET, are now available for implementation from the academic session 2026-27 onwards:

Sl. No.	Sector	Name of Trade	Entry Qualification	Du ration	NSQF Level	Year of Approval
1	IT-ITeS	ARTIFICIAL INTELLIGENCE AND DIGITAL PRODUCTIVITY SKILLS	10th Passed & pursuing /completed NTC/NCIC in relevant trade.	24 0 Hrs	3.5	2026

2. Revised Courses:

The DGT has also updated the following existing courses under the CTS to align with evolving industry demands:

Sl. No.	Name of the Trade	Entry Qualification	Duration	NSQF Level
1.	DENTAL LABORATORY EQUIPMENT TECHNICIAN	10th	Two Years	4
2.	PHOTOGRAPHER	10th	One Year	3.5
3.	PHYSIOTHERAPY TECHNICIAN	10th	One Year	3.5
4.	RADIOLOGY TECHNICIAN	12th	Two Years	5
5.	REFRIGERATION AND AIR CONDITIONING TECHNICIAN	10th	Two Years	4
6.	SHEET METAL WORKER	8th	One Year	2.5
7.	VIDEO CAMERAMAN	10th	One Year	3.5
8.	WELDER	8th	One Year	2.5

3. Revision of 120 Hour Employability Skill:

The 120-hour Employability Skills course, which is a compulsory component for all trainees under CTS of one year and two years trades, has been revised to incorporate Artificial Intelligence (AI) and Green Skills components, thereby equipping youth with essential knowledge and skills in emerging technologies and supporting their preparedness for future job roles.

The complete list of CTS trades along with their detailed curricula can be accessed at <https://dgt.gov.in/en/cts-details> or <https://www.cstaricalcutta.gov.in/cts-syllabus>. Additionally, the list of New Age/Future Skills courses under CTS is provided in the annexure. All the developed relevant study materials, mock tests, e-learning and question banks for CTS trades including Employability Skill are available on the Bharat Skills Portal (<https://bharatskills.gov.in/>), with new materials being continuously developed and uploaded in the portal.

Therefore, State Directorates/UTs/NSTIs are requested to introduce and follow the revised curriculum of these NSQF-compliant courses in the ITIs/ NSTIs/ IToTs of respective States/UTs and promote awareness among trainees from the admission session 2026-27 Onwards. RDSDEs are requested to collaborate with State Directorates/ UTs to facilitate this implementation effectively

This issues with the approval of competent authority.


(Pranav Choudhary)
01/09/2026
Director
CD Section, DGT

Copy to (for information):

1. PSO to Secretary, MSDE
2. Sr. PPS to DG(T), DGT, MSDE
3. DDG, HQ, New Delhi
4. DDG, HQ, New Delhi
5. DDG (South Zone)
6. Director TC, DGT (HQ), New Delhi to include the above trades for affiliation of ITIs
7. Director IT & TT Cell DGT (HQ), New Delhi – For information, uploading in the portal and supportive assessment tools.
8. Director CFI, DGT (HQ), New Delhi – For implementation in NSTIs.
9. Director NIMI, Chennai – For information & for content and question bank development please.
10. Director CSTARI, Kolkata – For information and records.
11. Joint Director, Apprenticeship Section, MSDE – for information and records.


(Snehasish Bandyopadhyay)
Assistant Director

List of New Age / Future Skills Courses Under CTS

Sr.No.	Name of Trade	Duration	NSQF Level
1.	5G Network Technician	One year	4.5
2.	Additive Manufacturing (3D Printing) Technician	Two Years	3.5
3.	Aeronautical Structure and Equipment Fitter	Two Years	4
4.	Artificial Intelligence Programming assistant	One year	3.5
5.	CNC machining Technician	Two Years	4
6.	Computer Aided Manufacturing (CAM) Programmer	One year	3.5
7.	Cyber Security Assistant	One year	3.5
8.	Data Annotation Assistant	One year	3.5
9.	Drone Pilot (Junior)	Six Months	3
10.	Drone Technician	Six Months	3
11.	Engineering Design Technician	One year	3.5
12.	Fiber to Home Technician	Six months	3
13.	Geo Informatics Assistant	One year	3.5
14.	Green Hydrogen Production Technician	One Year	3.5
15.	Industrial Internet of Things (IIoT) Technician	Two Years	4.0
16.	Industrial Robotics and Digital Manufacturing	One year	3.5
17.	Information Technology	Two Years	4

18.	Internet of Things Technician (Smart Agriculture)	One year	3.5
19.	Internet of Things Technician (Smart City)	One year	3.5
20.	Internet of Things Technician (Smart Healthcare)	One year	3.5
21.	Manufacturing Process Control & Automation	One year	3.5
22.	Mechanic Electric Vehicle	Two Years	4
23.	Multimedia, Animation & Special Effects	One year	3.5
24.	Nuclear Power Plant Technician	Two Years	4
25.	Semiconductor Technician	One Year	4.5
26.	Small Hydro Power Plant Technician	Two Years	4
27.	Smartphone Technician Cum App Tester	6 Months	3.5
28.	Software Testing Assistant	One year	4.5
29.	Solar Technician (Electrical)	One year	3.5
30.	Technician Mechatronics	Two Years	4
31.	Virtual Analysis and Designer - FEM (Finite Element Method)	Two Years	4
32.	Wind Plant Technician	Two Years	4
