

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

S.S.Bhawan, Rafi Marg
New Delhi, 110001
Date: 07th June, 2024

To,

- i. The Commissioners /Directors, Vocational Training/ Skill Development of all States/ UTs dealing with Craftsmen Training Scheme (CTS) / Craft Instructor Training Scheme (CITS)
- ii. Regional Directors, All RDSDEs.
- iii. Principal, All NSTI/NSTI(W) & IToTs.

Sub: - Introduction of new courses under CTS in ITIs/NSTIs/ITOTs (Govt. & Pvt.) from the Session 2024-25 and onwards –reg.

Madam/Sir,

In alignment with futuristic demands and technological advancements, the Directorate General of Training (DGT) has developed 03 new-age / future skill courses aimed at providing training for skilled manpower in the IT & ITeS and Electronics & Hardware sectors.

Sl. No.	Sector	Name of Course	Entry Qualification	Duration	NSQF level	Year of introduction
a.	IT & ITeS	Cyber Security Assistant	Passed 10th class examination	One year (1200 hours + 150 hours OJT/ Group Project)	3.5	2024
b.	IT & ITeS	Artificial Intelligence Programming Assistant	Passed 10th class examination	One year (1200 hours + 150 hours OJT/Group Project)	3.5	2024
c.	Electronics & Hardware	Semiconductor Technician	Passed 12th class examination with Science (Physics & Mathematics) or equivalent.	One year (1200 hours + 150 hours OJT/Group Project)	4.5	2024

2. In addition, to embrace the wisdom of the past and to shape a meaningful future, DGT under MSDE, has also developed eight (08) traditional / heritage NSQF compliant courses for ITIs nationwide.

3. All the developed relevant study materials, mock tests, e-learning and question banks for CTS / CITS trades are available on the Bharat Skills Portal (<https://bharatskills.gov.in/>), with new materials being continuously developed and uploaded in the portal.

SI No	Name of the Trade	NSQF Level	Sector	Duration	Year of approval
i.	Basohli Painting Artist	3.5	Handicraft & Carpets	One year (1200 hours + 150 hours OJT/ Group Project)	2024
ii.	Carpet Weaving Artisan- Handloom	3.5	Handicraft & Carpets	One year (1200 hours + 150 hours OJT/ Group Project)	2024
iii.	Hand Embroidery Artisan	3.5	Handicraft & Carpets	One year (1200 hours + 150 hours OJT/ Group Project)	2024
iv.	Shawl Weaving Artisan	3.5	Handicraft & Carpets	One year (1200 hours + 150 hours OJT/ Group Project)	2024
v.	Wood Carving Artisan	3.5	Handicraft & Carpets	One year (1200 hours + 150 hours OJT/ Group Project)	2024
vi.	Paper Mache Artisan	3.5	Handicraft & Carpets	One year (1200 hours + 150 hours OJT/ Group Project)	2024
vii.	Traditional Phulkari Artisan	3.5	Handicraft & Carpets	One year (1200 hours + 150 hours OJT/ Group Project)	2024
viii.	Nursery & Orchard Technician	3.5	Agriculture	One year (1200 hours + 150 hours OJT/ Group Project)	2024

4. In addition, DGT has also revised NSQF aligned 55 Craft Instructor Training Scheme (CITS), trade curriculum including Training Methodology (TM). In this regard, information has already been sent to all State/UTs Directorates/ RDSDEs and Principals of NSTIs, vide letter no. MSDE(DGT)-19/03(05)/2022-CD (E-48234) dated 20th November, 2023, for implementation and assessment of revised CITS of 1200 annual learning hours from the session 2023-24 and onwards. The revised trade curriculum including Training Methodology (TM) is also available on Bharat Skills and DGT website.

5. We kindly request your support in initiating these NSQF-compliant courses in your State / UT and spreading awareness among trainees and ITIs/ NSTIs/ IToTs. Regional Directors and RDSDEs are encouraged to collaborate with their respective States/UTs Directorates to facilitate the implementation process.

6. Total list of CTS and CITS trades along with detailed syllabi are available on <https://dgt.gov.in/CTS> and <https://dgt.gov.in/cits-courses> respectively. The list of all the New Age / Future Skill courses and Heritage / Traditional courses are annexed for your information please at Annexure I and Annexure II respectively.

6. For details on the affiliation process for approval of new trades / ITIs, please refer to <https://nimionlineadmission.in/iti/> or <https://www.ncvtmis.gov.in/> .

7. Thank you for your cooperation in advancing skill development to meet the industrial workforce requirements.

Encl: As above

Yours faithfully;


07/06/21

(Sanjay Kumar)

Director, CD Section, DGT

Copy to (for information):

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

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 Technician (3D Printing)	Two Year	3
3.	Advanced CNC Machining Technician	Two Year	4
4.	Aeronautical Structure and Equipment Fitter	Two Year	4
5.	AI Programming Assistant	One year	3.5
6.	Artisan Using Advanced Tool	One year	3
7.	Basic Designer & Virtual Verifier	Two Year	4
8.	Computer Aided Manufacturing (Cam) Programmer	One year	3.5
9.	Cyber Security Assistant	One year	3.5
10.	Data Annotation Assistant	One year	3.5
11.	Drone Pilot (Junior)	Six Month	3
12.	Drone Technician	Six Months	3
13.	Fiber to Home Technician	Six months	3
14.	Geo Informatics Assistant	One year	3
15.	Industrial Robotics and Digital Manufacturing	One year	3

16.	Information Technology	Two Year	4
17.	Internet of Things Technician (Smart Agriculture)	One year	3
18.	Internet of Things Technician (Smart City)	One year	3
19.	Internet of Things Technician (Smart Healthcare)	One year	3
20.	Manufacturing Process Control & Automation	One year	3
21.	Mechanic Electric Vehicle	Two Year	4
22.	Multimedia, Animation & Special Effects	One year	3
23.	Semiconductor Technician	One year	4.5
24.	Small Hydro Power Plant Technician	Two Year	4
25.	Smartphone Technician Cum App Tester	6 Months	3
26.	Software Testing Assistant	One year	4
27.	Solar Technician (Electrical)	One year	3
28.	Technician Mechatronics	Two Year	4
29.	Wind Plant Technician	Two Year	4

List of Traditional / Heritage Trades under CTS

SI No	Name of the Trade	NSQF Level	Sector
1.	Bamboo Works	3	Handicraft & Carpets
2.	Basohli Painting Artist	3.5	Handicraft & Carpets
3.	Carpet Weaving Artisan- Handloom	3.5	Handicraft & Carpets
4.	Hand Embroidery Artisan	3.5	Handicraft & Carpets
5.	Shawl Weaving Artisan	3.5	Handicraft & Carpets
6.	Wood Carving Artisan	3.5	Handicraft & Carpets
7.	Paper Mache Artisan	3.5	Handicraft & Carpets
8.	Traditional Phulkari Artisan	3.5	Handicraft & Carpets
9.	Nursery & Orchard Technician	3.5	Agriculture
