

**DGT –NSTI 1018/3/2019-O/O Dir(CFI)**  
Government of India  
Ministry of Skill Development & Entrepreneurship  
Directorate General of Training  
Employment Exchange Building, Pusa Complex  
New Delhi-110012

Dated: 23.01.2019

**Office Memorandum**

**Subject: Affiliation of CTS/CITS trades of NSTIs (Including NSTI(W)) – Reg.**

NSTIs are the premier institutes under DGT that have been entrusted with the responsibility of training of craft instructors of the ITIs. However, it has been observed that the labs / workshops of many trades are housing outdated non-functional machines/equipment. The classrooms, laboratories and even corridors are full of broken furniture and machines and bundles of old papers/files. Despite the availability of budget, there is a very poor maintenance of machinery and general infrastructure of many Institutes. Ceilings/Walls are at many places are leaking, and paint has peeled off. Software used is sometimes non-genuine. Availability of relevant master trainers for the trades/courses being offered is also not being ascertained. With such a scenario, NSTIs are unfair to the trainees who are undergoing courses with poor infrastructure and instructors of unrelated trades.

To bring sanity to the system of offering courses by NSTIs under CTS/CITS trades, it has been decided that new admissions in all CTS and CITS courses would be allowed only after affiliation of trades/courses as per norms. Each NSTI must undertake self-inspection as per norms and send the same along with photos/videos of the equipment/machinery, workshops and hostel building etc. NSTIs must also prepare a comprehensive list of shortage of machinery and equipment for the courses being offered as per NCVT/NSQF approved norms. The timeline for procurement of such equipment & machinery should also be prepared clearly.

In order to offer instructor training under CITS in all the CTS trades, a list of mapped CTS-CITS trades has been prepared and circulated to all NSTIs. The curriculum for CITS trade for the group of mapped CTS trades is under finalization by CSTARI Kolkata, in consultation with the respective NSTI. The list is attached for ready reference. Hence, while reviewing the required infrastructure for a CITS trade, Directors/ Principals, NSTI should also include the equipment/machinery for the mapped CTS trades. However, till the time infrastructure is completed in NSTIs for the mapped CTS trades, as an alternative, one-week off-campus training may be tied up with Industries for exposing the trainees to the equipment of the corresponding CTS trades.

As you all are aware that 'Swachatta' has been one of the topmost focus of our Hon'ble Prime Minister. Now it is on all NSTIs to ensure its implementation through overall campus aesthetic improvement. Hence, all the Directors/ Principals, NSTI should initiate a drive and ensure condemnation of non-functional obsolete machinery/ equipment and broken furniture immediately. Pirated software should be deleted from all the computers/machines. Old files and documents must be weeded out after following due procedure. The campus environment management measures such as maintenance of better sanitation, drainage, water, power, first aid, waste collection and disposal arrangements, barrier free access for students with disability, proper signage, landscaping and tree plantation must be ensured. All laboratories must have proper safety signages, charts, tools and practices.

Our students, majority of whom are from SC/ST and most deprived sections of society, must be offered a dignified stay. Hostel rooms, bathrooms, canteen etc. can not be shabby. Any affiliation proposal from NSTI must include video evidence of the status of our Hostels.

Solar power panels to maximum extent must be put on roofs and maybe even one-acre land can be earmarked for solar power generation. At least one-acre land should be earmarked for Smart Agriculture. These two activities are MANDATORY for all NSTI, subject to availability of land.

As it has been reiterated during various interactions, the NSTIs are encouraged to take up new-age CTS courses as listed below:

1. Geo Informatics Assistant
2. Aeronautical Structure and Equipment Fitter
3. Additive Manufacturing Technician (3D Printing)
4. Remotely Piloted Aircraft (RPA)/Drone Pilot
5. Electrician Power Distribution
6. Technician Mechatronics
7. Solar Technician (Electrical)
8. Internet of Things (Smart Agriculture)
9. Internet of Things (Smart Healthcare)
10. Internet of Things (Smart City)
11. Smartphone Technician Cum App Tester

These courses could be offered by NSTIs for a period of 3 years, or till such time that at least 10 ITIs in the states corresponding to that NSTI start offering such courses. Special batches in at least two of these courses must be started in March 2019 session in every NSTI - in such cases self-inspection report would also be accepted on fulfilling the desired norms and guidelines.

All NSTIs should complete this process of self-inspection by **15<sup>th</sup> February 2019**. A team will be created at DGT for completion of review of such reports by 28<sup>th</sup> Feb. 2019. A meeting of Affiliation Committee will be held in first week of March 2019. Only those trades under CTS/CITS that clear the affiliation norms would be allowed to be offered at NSTIs in academic session 2019-20. NIMI online admission portal will show only those CITS trades which have been cleared by the Affiliation Committee and approved by DG. The courses for which affiliation is not approved, faculty of such courses would be shifted elsewhere to utilize their services effectively.

For immediate action by all RDSDE, and Heads /Principals of all NSTIs.



(Rajesh Aggarwal)  
DG(T)/AS

To  
All Director rank officers  
Directors/ Principals of all NSTI / NSTI(W)  
Copy to DDG(CFI, P, Admin) and DDG(TC & TTC) for information  
Copy to NIMI, CSTARI  
Copy to Secretary MSDE with regards

### MAPPING OF CTS AND CITS COURSES

S No.	Designated CFI	CTS Trades	Category*	Existing CITS Trades	Sector
1	NSTI Chennai	Mechanic Diesel	A	Mechanic Diesel	Automobile
2	NSTI Chennai	Marine Engine Fitter	B		
3	NSTI Chennai	Mechanic (Motor Vehicle)	A	Mechanic Motor Vehicle	Automobile
4	NSTI Chennai	Mechanic Auto Electrical and Electronics	B		
5	NSTI Chennai	Mechanic Two and Three Wheeler	B		
6	NSTI Chennai	Driver cum Mechanic (LMV)	B		
7	NSTI Ludhiana	Mechanic (Tractor)	A	Mechanic Tractor	Automobile
8	NSTI Ludhiana	Mechanic Agricultural Machinery	A	Mechanic Agricultural Machinery	Production and Manufacturing
9	NSTI Ludhiana	Pump Operator cum Mechanic	B		
10	NSTI (W) Jaipur	Stenographer Secretarial Assistant (Hindi)	A	Office Management (Secretarial Practice)	Banking, Financial Services & Insurance
11	NSTI (W) Thiruvananthapuram	Secretarial Practice(English)	A		
12	NSTI (W) Thiruvananthapuram	Stenographer Secretarial Assistant (Eng)	A		
13	NSTI(W) Noida	Basic Cosmetology	A	Hair & Skin Care/ Cosmetology	Beauty and Wellness
14	NSTI(W) Noida	Spa Therapy	B		
15	NSTI, Kolkata	Carpenter	A	Carpenter	Construction, Construction Material and Real Estate
16	NSTI(W) Bangalore	Architectural Draughtsman	A	Draughtsman (Architectural)	Construction, Construction Material
17	NSTI(W) Bangalore	Interior Design & Decoration	B		
18	NSTI, Chennai	D'man Civil	A	Draughtsman (Civil)	Construction, Construction Material and Real Estate
19	NSTI, Chennai	Civil Engineer Assistant	B		
20	NSTI, Chennai	Mason (Building Constructor)	B		
21	NSTI, Kolkata	Mechanic Refrigeration & Air Conditioner	A	Mechanic Refrigeration & Air-conditioning	Construction, Construction Material
22	NSTI, Kolkata	Central Air Condition Plant Mechanic	B		
23	NSTI, Chennai	Plumber/Sanitary Hardware Fitter	A	Plumber	Construction, Construction Material and Real Estate
24	NSTI (W), Bangalore	Surveyor	A	Surveyor	Construction, Construction Material and Real Estate
25	NSTI-R,Hyderabad	Electronics Mechanic	A	Electronic Mechanic	Electronics and Hardware
26	NSTI-R,Hyderabad	Technician Medical Electronics	B		
27	NSTI-R,Hyderabad	Mechanic Consumer Electronics Appliances	B		
28	NSTI-R,Hyderabad	Technician Power Electronics System	B		
29	NSTI-R,Hyderabad	Smartphone Technician Cum App Tester	B		
30	NSTI-R,Hyderabad	Internet of Things (Agriculture)	B		
31	NSTI-R,Hyderabad	Internet of Things (Healthcare)	B		
32	NSTI-R,Hyderabad	Internet of Things (Smart City)	B		
33	NSTI, Mumbai	Instrument Mechanic	A	Instrument Mechanic	Electronics and Hardware
34	NSTI, Mumbai	Instrument Mechanic (Chemical Plant)	B		
35	NSTI (W) Tura	Bamboo Works	B	Bamboo Works	Fabrication/ Handicraft
36	NSTI(V) Hyderabad	Sheet Metal Worker	A	Sheet Metal Worker	Fabrication
37	NSTI(V) Hyderabad	Mechanic Auto Body Repair	B		
38	NSTI Bangalore	Welder	A	Welder	Fabrication
39	NSTI Bangalore	Welder (Fabrication & Fitting)	B		
40	NSTI Bangalore	Welder (GMAW & GTAW)	B		
41	NSTI Bangalore	Welder (Pipe)	B		
42	NSTI Bangalore	Welder (Structural)	B		
43	NSTI Bangalore	Welder (Welding & Inspection)	B		
44	NSTI, Ludhiana	Agro Processing	A	Agro Processing	Food Processing & Preservation
45	NSTI(W) Hyderabad &Hyderabad NIN	Food Beverage	A	Food Beverage	Food Processing & Preservation
46	NSTI(W) Hyderabad &Hyderabad NIN	Baker and Confectioner	B		
47	NSTI(W) Hyderabad &Hyderabad NIN	Food and Beverages Service Assistant	B		
48	NSTI(W) Hyderabad &Hyderabad NIN	Food Production (General)	B		

S No.	Designated CFI	CTS Trades	Category*	Existing CITS Trades	Sector
49	NSTI(W) Hyderabad & Hyderabad NIN	Fruit & Vegetable Processor	A	Fruit and Vegetable Processing	Food Processing & Preservation
50	NSTI(W) Hyderabad & Hyderabad NIN	Milk and milk product technician	A	Milk and Milk Products	Food Processing & Preservation
51	NSTI(W) Hyderabad & Hyderabad NIN	Dairying	B		
52	NSTI Bangalore	Computer hardware and network maint.	A	Computer Hardware & Network Maintenance	IT and ITES
53	NSTI Bangalore	Information and Communication Technology System Maintenance	B		
54	NSTI Bangalore	COPA	A	Computer Software Applications	IT and ITES
55	NSTI Bangalore	Software Testing Assistant	B		
56	NSTI Bangalore	Database System Assistant	B		
57	NSTI Bangalore	Information Technology	B		
58	NSTI Bangalore	Multimedia Animation & Special Effect	B		
59	NSTI Bangalore	Desktop Publishing Operator	A	Desktop Publishing Operator	IT and ITES
60	NSTI, Calicut	Wireman	A	Electrician/ Wireman	Power Generation, Transmission, Distribution, wiring & Electrical Equipment
61	NSTI, Calicut	Electroplater	B		
62	NSTI, Calicut	Lift and Escalator Mechanic	B		
63	NSTI, Calicut	Electrician	A		
64	NSTI, Calicut	Solar Technician (Electrical)	B		
65	NSTI, Kolkata	D'man Mechanical	A	Draughtsman (Mechanical)	Production and Manufacturing
66	NSTI, Kolkata	Fitter	A	Fitter	Production and Manufacturing
67	NSTI, Kolkata	Marine Fitter	B		
68	NSTI, Kolkata	Foundryman	A	Foundryman	Production and Manufacturing
69	NSTI-(V), Hyderabad	Operator Advanced Machine Tools	A	Machinist & Operator Advance Machine Tool	Production and Manufacturing
70	NSTI-(V), Hyderabad	Machinist	A		
71	NSTI-(V), Hyderabad	Machinist Grinder	A	Machinist Grinder	Production and Manufacturing
72	NSTI-(V), Hyderabad	Mechanic Machine Tool Maintenance	A	Mechanic Machine Tool Maintenance	Production and Manufacturing
73	NSTI, Mumbai	Tool & Die Maker (Dies & Moulds)	A	Tools and Die Maker	Production and Manufacturing
74	NSTI, Mumbai	Tool & Die Maker (Press, Tools, Jigs & Fixtures)	A		
75	NSTI, Mumbai	Turner	A	Turner	Production and Manufacturing
76	NSTI(W), Panipat	Dress Making	A	Dress Making	Textile and Apparel
77	NSTI (W), Jaipur	Fashion Design & Technology	A	Fashion Design and Technology (Fashion Technology)	Textile and Apparel
78	NSTI(W), Noida	Sewing Technology	A	Sewing Technology (Cutting & Sewing)	Textile and Apparel
79	NSTI(W), Noida	Surface Ornamentation Techniques (Embroidery)	A	Surface Ornamentation Techniques (Embroidery & Needle Work)	Textile and Apparel
80	NSTI(W), Noida	Computer Aided Embroidery And Designing	B		
81	NSTI(W) Allahabad	Catering & Hospitality Assistant	A	Catering & Hospitality	Travel, Tourism and Hospitality
82	NSTI(W), Mumbai	Health Sanitary Inspector	C	New CITS Course	Healthcare
83	NSTI(W), Mumbai	Old Age Care	C		
84	NSTI(W), Mumbai	Health, Safety And Environment	C		
85	NSTI(W), Kolkata	Floriculture & Landscaping	C	1 Month ToT	Agriculture, Horticulture, Floriculture
86	NSTI(W), Kolkata	Horticulture	C		
87	NSTI(W), Kolkata	Soil Testing and Crop Technician	C		
88	NSTI, Mumbai	Industrial Painter	C	1 Month ToT	Chemical
89	NSTI, Mumbai	Painter (General)	C		
90	NSTI, Mumbai	Domestic Painter	C		
91	NSTI, Mumbai	Mechanic Auto Body Painting	C	1 Month ToT	Chemical
92	NSTI, Mumbai	Laboratory Assistant (Chemical Plant)	C		
93	NSTI, Mumbai	Plastic Processing Operator	C		
94	NSTI, Mumbai	Rubber Technician	C		
95	NSTI, Mumbai	Maintenance Mechanic (Chemical Plant)	C	1 Month ToT	Healthcare
96	NSTI, Mumbai	Attendant Operator (Chemical Plant)	C		
97	NSTI-R, Hyderabad	Physiotherapy Technician	C		
98	NSTI-R, Hyderabad	Radiology Technician	C		
99	NSTI-R, Hyderabad	Dental Laboratory Equipment Technician	C		

S No.	Designated CFI	CTS Trades	Category*	Existing CITS Trades	Sector
100	NSTI,Mumbai, CLI Mumbai	Fire Technology & Industrial Safety Management	C	1 Month ToT	Safety And Security
101	NSTI,Mumbai	Fireman	C	1 Month ToT	Production and Manufacturing
102	NSTI, Kolkata	Vessel Navigator	C		
103	NSTI, Kolkata	Mechanic Lens/ Prism Grinding	C		
104	NSTI, Kolkata	Refractory Technician	C		
105	NSTI (W), Jaipur	Weaving Technician	C	1 Month ToT	Textile and Apparel
106	NSTI (W), Jaipur	Weaving Technician for Silk & Woolen Fabrics	C		
107	NSTI (W), Jaipur	Spinning Technician	C		
108	NSTI (W), Jaipur	Textile Wet Processing Technician	C		
109	NSTI(W), Noida	Digital Photographer	C	1 Month ToT	Travel, Tourism and Hospitality
110	NSTI(W), Noida	Photographer	C		
111	NSTI(W), Noida	Video Cameraman	C	1 Month ToT	Industrial Automation and Instrumentation
112	NSTI Bangalore	Technician Mechatronics	C		
113	NSTI Bangalore	Textile Mechatronics	C	1 Month ToT	Travel, Tourism and Hospitality
114	NSTI (W) Bangalore	Housekeeper	C		
115	NSTI (W) Bangalore	Hospital Housekeeping	C		
116	NSTI (W) Bangalore	Computer Operator and Programming Assistant (for Visually Impaired)	C		
117	NSTI (W) Bangalore	Cutting and Sewing (for Visually Impaired)	C	1 Month ToT	
118	NSTI (W) Bangalore	Desktop Publishing Operator (for Visually Impaired)	C		
119	NSTI (W) Bangalore	Hair & Skin Care (for Visually Impaired)	C		
120	NSTI (W) Bangalore	Metal Cutting Attendant (for Visually Impaired)	C		
121	NSTI, Chennai, & CFTI CLRI	Footwear Maker	C	1 Month ToT	Leather & Leather Goods
122	NSTI, Chennai, & CFTI CLRI	Leather Goods Maker	C		
123	NSTI, Kanpur & IITISM Dhanbad	Stone Mining Machine Operator	C	1 Month ToT	Mining & Mineral Processing
124	NSTI, Kanpur & IITISM Dhanbad	Stone Processing Machine Operator	C		
125	NSTI, Kanpur & IITISM Dhanbad	Mechanic Mining Machinery	C		
126	NSTI (W) Thiruvananthapuram	Early Childhood Educator	C	1 Month ToT	
127	NSTI (W) Thiruvananthapuram	Human Resource Executive	C		
128	NSTI (W) Thiruvananthapuram	Marketing Executive	C		
129	NSTI (W) Thiruvananthapuram	Finance Executive	C		
130	NSTI (W) Thiruvananthapuram	Tourist Guide	C		
131	NSTI (W) Thiruvananthapuram	Travel & Tour Assistant	C		
132	NSTI (W) Thiruvananthapuram	Front Office Assistant	C		
133		Geo Informatics Assistant	B	Yet to be mapped	
134		Aeronautical Structure and Equipment Fitter	B		
135		Additive Manufacturing Technician (3D Printing)	B		
136		Remotely Piloted Aircraft (RPA)/Drone Pilot	B		
137		Electrician Power Distribution	B		
	NSTI Chennai		C	Reading of drawing and arithmetic (RoDA)	Construction, Construction Material and Real Estate

\* Category A represents NSQF aligned lab for CITS courses

Category B represents CTS trades for which CITS course has been aligned to cover exposure to the lab/equipment of the CTS trade and the same should be made available. The trainers who are certified under CITS / RPL scheme of Category A, with one week of refresher course undergone in any of NSTIs, will be the eligible trainers for Category B.

Category C : Will be conveyed later.

