



- To reduce unemployment among educated youth by equipping them with necessary skills for suitable employment.

### SALIENT FEATURES OF THE SCHEME

- Training under the scheme is imparted in 107 trades (**Annexure-I**) through ITIs/ITCs spread all over the country.
- The period of training for various trades varies from 6 months to three years and the entry qualification varies from class 8<sup>th</sup> pass to class 12<sup>th</sup> pass, depending on the requirements of training in different trades.
- Candidates of 14 years to 40 years seek admission in ITIs/ITCs . In case of women candidates there is no upper age limit in women exclusive ITIs/women wings in general ITIs.
- Admissions in ITIs/ITCs are done twice a year i.e. in the months of August & February.
- About 70% of the training period is allotted to practical training and the rest to subjects relating to Trade Theory, Workshop Calculation & Science, Engineering Drawing & Social Studies. Social Study subject include IT Primer, Environmental Science & Family Welfare.
- Tuition fee in the ITIs is decided by the respective State Govt. as deemed fit based on the recommendation of the concerned State Council for Vocational Training. Tuition fee in case of institute under DGE&T / UT Administration is Rs.100 p.m. per trainee . However no fee is being charged from SC/ST candidates and persons with disability .
- There is a provision for grant of stipend and workshop uniform to all the trainees of Govt. ITI s. They are also provided with library, sports and medical facilities. Some State Governments charge a nominal fee for this.

- Trainees after completing training programme appear for All India Trade Test conducted under the aegis of NCVT.

- Successful trainees are awarded with National Trade Certificate (NTC).
- All India Trade Tests are conducted twice a year i.e. in the months of July and January.
- NTC is recognized for the purpose of recruitment to subordinate posts and services under the Central /State Government and NTC holders are perceived as semi skilled workers
- Seats are reserved for SC/ST candidates in proportion to their population in respective State/ UT. Guidelines for reserving 3% seats for Persons with disability and 25% for women candidates have been issued to State Governments and these could be filled based on the general reservation policy of each State/UT and total reservation is limited to 50%. Seats are reserved for the wards of defence personnel. Seats for OBC candidates have also been reserved in proportion to the seats reserved for them in Govt. Services in the respective States.
- Multi Skill Training courses are offered at four Central Model Industrial Training Institutes (MITIs). These courses are also being offered at ITIs being upgraded to Centre of Excellence (CoE) .

### STEPS FOR QUALITY IMPROVEMENT

**28.4** With the objective of maintaining quality of training in ITIs/ITCs, a number of measures have been prescribed by NCVT including guidelines for starting new institutes/trades and their affiliation to NCVT.

- ❖ Strict norms for affiliation of ITIs with NCVT have to be adhered to, which ensure that the infrastructure facilities, qualified staff, etc. are provided for imparting training.





➤ **The details of Trade Tests conducted under the aegis of NCVT from January, 2006 to December, 2006 are given below:**

- Jan. 2006 -All India Skill competition for Craftsman.
- Jan./Feb. 2006 -All India Trade Test Craft Instructor.(Modular Pattern. )
- Jan. 2006-All India Trade Test for Craftsman (Supplementary)
- Feb.2006 - All India Trade Test of Craftsmen (Restructured pattern)
- Feb.2006- Advanced Skill Course for Women Occupations (POT)
- **March 2006- 74<sup>th</sup> Regional Competition for Apprentices**
- April 2006 - All India Trade test of Craft instructor (Modular pattern)
- April 2006-All India Trade Test of Apprentices.
- **May 2006 – 76<sup>th</sup> All India Competition for Apprentices**
- May/ June, 2006 – Advanced skill Course for Women occupation (P.O.T.)
- May/June, 2006 - Advanced skill Course in Architectural Assistantship (Women)
- July, 2006 – All India Trade Test of Craftsmen
- July, 2006 – All India Trade Test of Craft Instructor
- July 2006 – All India Trade Test of Crafts Instructors (modular pattern).
- **July,2006 – All India Trade Test for Multiskill courses offered at CoE .**
- August 2006 – All India Test of Craftsmen (Restructured Pattern).
- **September 2006- 77<sup>th</sup> Regional Competition for Apprentices**
- Oct., 2006 – All India Trade Test of Apprentices
- Oct. 2006 - Advanced skill Course for Women occupation (P.O.T.).
- Oct.2006 –All India Trade Test of Craft Instructors (modular Pattern).
- **November 2006- 76<sup>th</sup> All India Competition for Apprentices.**

**ALL INDIA SKILL COMPETITION FOR CRAFTSMEN**

28.11 The scheme for holding All India Skills Competition for Craftsmen at national level was introduced in the year 1964 to foster a healthy competition among the trainees of ITIs/ITCs.

- The competition is now held every year in 14 trades viz. Instrument Mechanic, Electronics Mechanic, Welder, Fitter, Turner, Machinist, Mechanic Motor Vehicle, Foundry-man, Electrician , Cutting & Sewing , Computer Operator and programming Assistant ,Draughts men (Civil), Draughts men (Mechanical) and Mechanic Diesel .
- The best trainee of each of the above trades at the State level competition
- competes at the All India Skills Competition.

- The best Craftsmen in each of the above 14 trades at the All India level are awarded merit certificates and a cash prize of Rs.10,000/- each.
- The best ITI declared in each trade, whose trainee stands first in the competition at the national level, is awarded a merit certificate.
- The Best State whose trainees secure the highest total marks among all trades is awarded a merit certificate and a running shield.
- The "Best State Award" winners during last 5 competitions.

Competit- ion No	Year & Month in which held	Name of the Best State / UT
37 <sup>th</sup>	2001 Jan	Tamil Nadu
38 <sup>th</sup>	2001 Dec	Tamil Nadu
39 <sup>th</sup>	2003 Jan	Maharashtra
40 <sup>th</sup>	2004 Jan	Tamil Nadu
41 <sup>st</sup>	2005 Jan	Maharashtra
42 <sup>nd</sup>	2006 Jan	Tamil Nadu

28.12 The Confederation of Indian Industry (CII) has been conducting "National Work Skills Competition" since 1989 to encourage workers in the engineering industry in India by recognition of excellence in skills and creating awareness among workers of the need for skill augmentation. The competition is held in 7 trades viz Electrician, Fitter, Industrial Electronics, Miller, Tool & Die Maker, Turner and Welder. The Skills Competition is conducted in the field institutes of DGE&T and is recognised by Ministry of Labour.

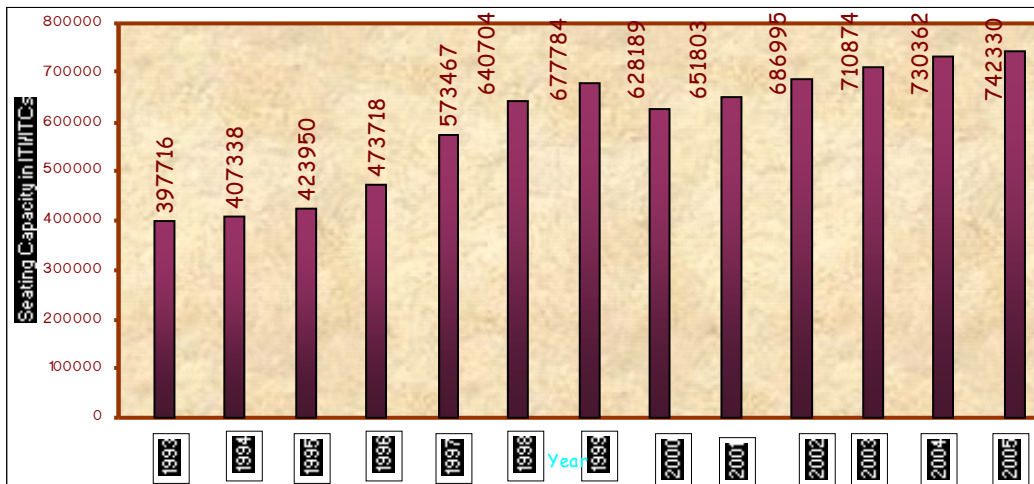
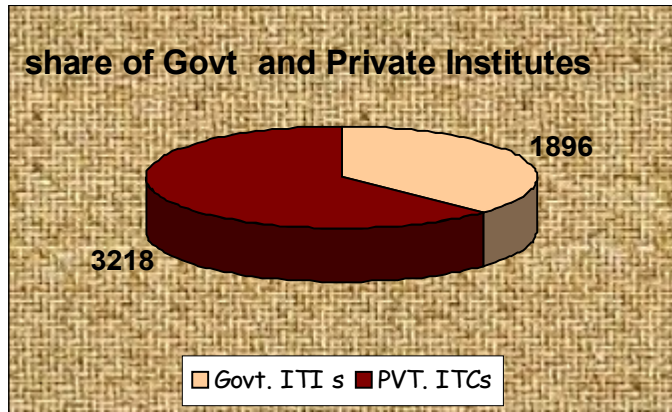
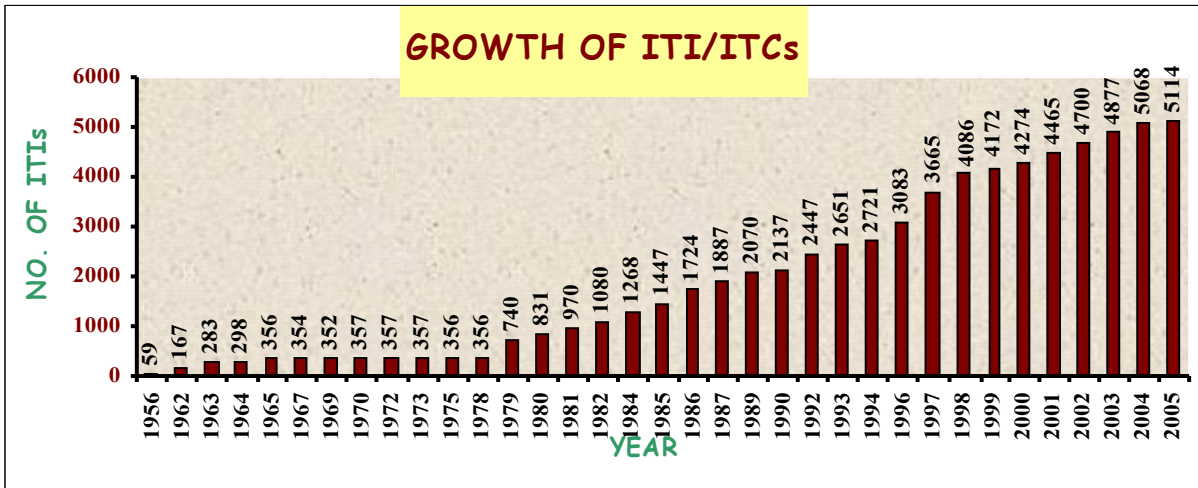
**TESTING & CERTIFICATION  
OF SKILLS ACQUIRED  
THROUGH NON FORMAL  
MEANS**

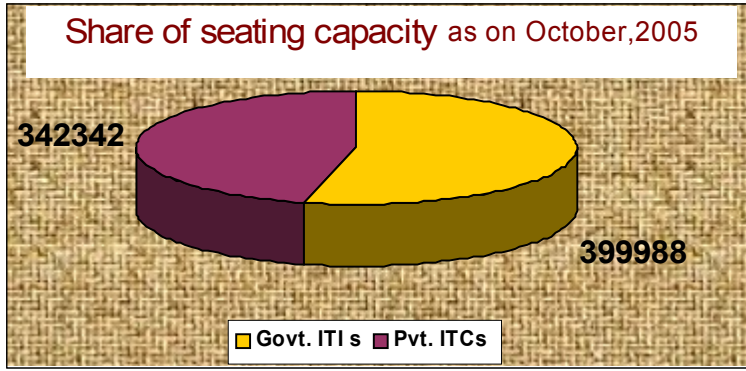
28.13 DGE&T has taken up a scheme for testing and certification of skills acquired

through non- formal means. The scheme is being implemented initially on a pilot basis. Competency based skill standards have already been developed for 46 skill areas. Construction Industry Development Council (CIDC) and National Academy of Construction (NAC), Hyderabad have been identified by DGE&T, Ministry of Labour and Employment as Apex bodies for carrying out the testing and certification of workers related to construction sector. Cane & Bamboo Technology Centre (CBTC), Guwahati has been identified as the apex body for Testing & Certification of Skills of Workers in the area of Bamboo Technology. Apart from CIDC and NAC, Hyderabad, the scheme is already under implementation by other State Directorates viz. Punjab, Kerala, Tamil Nadu, Jammu & Kashmir and Orissa.



Graph 28.1





**Annexure-I**

**List of Engineering and Non- Engineering trades under Craftsmen Training Scheme as on 01.02.2006.**

**Engineering Trades**

Sl.No.	Name of the Trade	Duration	Entry Qualification
1	2	3	4
1.	Foundry man	1 year	Passed class 8 <sup>th</sup> examination under 10+2 system of education or its equivalent.
2.	Sheet Metal Worker	1 year	Passed 8 <sup>th</sup> class examination under 10+2 system of education or its equivalent.
3.	Plastic Processing Operator	1 year	Passed 10 <sup>th</sup> class examination under 10+2 system of education or its equivalent.
4.	Painter General	2 years	Passed 8 <sup>th</sup> class examination or its equivalent.
5.	Fitter	2 years	Passed 10 <sup>th</sup> class examination under 10+2 system of education or its equivalent.
6.	Turner	2 years	Passed 10 <sup>th</sup> class examination under 10+2 system of education or its equivalent.
7.	Machinist	2 years	Passed 10 <sup>th</sup> class examination under 10+2 system of education or its equivalent.
8.	Tool & Die Maker (Press Tools, Jigs & Fixtures)	3 years	Passed 10 <sup>th</sup> class examination under 10+2 system of education with Science or its equivalent.
9.	Tool & Die Maker (Dies & Moulds)	3 years	Passed 10 <sup>th</sup> class examination under 10+2 system of education with Science or its equivalent.
10.	Machinist (Grinder)	2 years	Passed 10 <sup>th</sup> class examination under 10+2 system of education or its equivalent.
11.	Electroplater	2 years	Passed 10 <sup>th</sup> class examination under 10+2 system of education or its equivalent.
12.	Mechanic Agricultural Machinery	2 years	I. Essential: - Should have passed 8 <sup>th</sup> class examination under 10+2 System of education or its equivalent. II. Desirable: - Passed 10 <sup>th</sup> class Examination under 10+2 system of education with Science (Physics and Chemistry) as one of the subjects.
13.	Instrument Mechanic	2 years	Passed 10 <sup>th</sup> class examination under 10+2 system of education with Science as one of the subjects or its equivalent.
14.	Draughtsman (Mechanical)	2 years	Passed 10 <sup>th</sup> class examination under

			10+2 system of education with Science and Mathematics or its equivalent.
15.	Maintenance Mechanic (Chemical Plant)	2 years	Passed 10th class examination with Physics, Chemistry and Mathematics under 10+2 system of education or its equivalent.
16.	Instrument Mechanic (Chemical Plant)	(a) 2 years (b) 6 months	Passed 10th class examination under 10+2 system of education with Physics, Chemistry & Mathematics as one of the subjects or its equivalent. Passed B.Sc. with Physics & Chemistry.
17.	Attendant Operator (Chemical Plant)	(a) 2 years (b) 6 months	Passed 10th class examination under 10+2 system of education with Physics, Chemistry & Mathematics as one of the subjects or its equivalent. Passed B.Sc. with Physics & Chemistry.
18.	Laboratory Assistant (Chemical Plant)	(a) 2 years (b) 6 months	Passed 10 <sup>th</sup> class examination under 10+2 system of education with Physics, Chemistry and Mathematics as one of the subjects or its equivalent. Passed B.Sc. with Physics and Chemistry.
19.	Information Technology & Electronics System Maintenance	2 years	Passed in 10 <sup>th</sup> class Examination under 10+2 system of education with science Desirable- 12 <sup>th</sup> class with Maths and Physics.
20.	Mechanic Industrial Electronics	2 years	Passed 12 <sup>th</sup> Class Examination with Physics, Chemistry & Mathematics.
21.	Mechanic Mechatronics	2 years	Passed 10+2 Class Examination with Physics, Chemistry & Mathematics.
22.	Operator Advanced Machine Tools	2 years	Passed 12 <sup>th</sup> Class Examination with Physics, Chemistry & Mathematics.
23.	Welder (Gas and Electric)	1 year	Passed 8th class examination under 10+2 system of education or its equivalent.
24.	Carpenter	1 year	Passed 8 <sup>th</sup> class examination under 10+2 system of education with science as one of the subjects or its equivalent.
25.	Mechanic (Diesel)	1 year	Passed 10 <sup>th</sup> class examination under 10+2 system or its equivalent.
26.	Plumber	1 year	Passed 8 <sup>th</sup> class examination under 10+2 system of education or its equivalent.
27.	Mason (Building Constructor)	1 year	Passed 8 <sup>th</sup> class examination under 10+2 system of education or its equivalent.

28.	Mechanic (Tractor)	1 year	1) Essential – should have passed 8 <sup>th</sup> class examination under 10+2 system of education or its equivalent. 2) Desirable – Passed 10 <sup>th</sup> class examination under 10+2 system of education with science (Physics and Chemistry) as one of the subjects or its equivalent.
29.	Pump Operator-cum-Mechanic	1 year	Passed 10 <sup>th</sup> class examination under 10+2 system of education with science or its equivalent.
30.	Wireman	2 years	Passed 8 <sup>th</sup> class examination or its equivalent.
31.	Mechanic (Motor Vehicle)	2 years	Passed 10 <sup>th</sup> class examination under 10+2 system of education with Science as one of the subject or its equivalent.
32.	Electrician	2 years	Passed 10 <sup>th</sup> class examination under 10+2 system of education with Science as one of the subject or its equivalent.
33.	Mechanic (Radio & TV)	2 years	Passed 10 <sup>th</sup> class examination under 10+2 system of education with Science as one of the subject or its equivalent.
34.	Mechanic-cum-Operator Electronics Communication System	2 years	Passed 10 <sup>th</sup> class examination under 10+2 system of education with Science as one of the subject or its equivalent.
35.	Mechanic (Refrigeration and Air-Conditioner)	2 years	Passed 10 <sup>th</sup> class examination under 10+2 system of education with Science & Mathematics or its equivalent.
36.	Mechanic Machine Tools Maintenance	3 years	Matriculation with Science and Mathematics or its equivalent.
37.	Draughtsman (Civil)	2 years	Passed 10 <sup>th</sup> class examination under 10+2 system of education with Science and Mathematics or its equivalent.
38.	Surveyor	2 years	Passed 10 <sup>th</sup> class examination under 10+2 system of education with Science and Mathematics or its equivalent.
39.	Electronic Mechanic	2 years	Passed Matriculation examination under 10+2 system of education Science and Mathematics or its equivalent.
40.	Building Maintenance	06 months	Passed 10 <sup>th</sup> class examination under 10+2 system of education or its equivalent.
41.	Interior Decoration and Designing	01 year	Passed 10 <sup>th</sup> Class Examination under 10+2 System of Education
42.	Mechanic Auto Electrical	06 months	Passed 10 <sup>th</sup> class examination under

	and Electronics		10+2 system of education with Science and Mathematics or its equivalent.
43.	Sanitary Hardware fitter	06 months	Passed 8 <sup>th</sup> class examination under 10+2 system of education or its equivalent.
44.	Lift Mechanic	2 years	Passed 10 <sup>th</sup> class examination under 10+2 system of education with science or its equivalent.
45.	Architectural Assistant	1 year	Passed 10 <sup>th</sup> class examination with 40% marks in mathematics or Secondary Standard under 10+2 system of education or its equivalent.
46.	Mechanic Computer Hardware	2 years	Passed 10+2 or Intermediate or Pre-university with Physics as one of the subject.
47.	Mechanic Medical Electronics	2 years	Passed 10 <sup>th</sup> class examination under 10+2 system of education with Mathematics & Science or its equivalent.
48.	Mechanic Consumer Electronics	2 years	Passed 10 <sup>th</sup> class examination under 10+2 system of education with Mathematics & Science or its equivalent.
49.	Marine Fitter	2 years	Passed 10 <sup>th</sup> class examination under 10+2 system of education with 50% marks in Mathematics & Science or its equivalent
50.	Vessel Navigator	2 years	Passed 10 <sup>th</sup> class examination under 10+2 system of education with 50% marks in Mathematics & Science or its equivalent
51.	Mech. Repair & Maintenance of Light Vehicles	1 year	Passed Class 10 <sup>th</sup> Exam under 10+2 system of Education or its equivalent
52.	Mech. Repair & Maintenance of Heavy Vehicles	1 year	Passed Class 10 <sup>th</sup> Exam under 10+2 system of Education or its equivalent
53.	Mech. Repair & Maintenance of Two Wheelers	6 months	Passed Class 10 <sup>th</sup> Exam under 10+2 system of Education or its equivalent
54.	Mech. Communication Equipment Maintenance	1 year	Passed Class 10 <sup>th</sup> Exam under 10+2 system of Education or its equivalent
55.	Mechanic Lens/Prism Grinding	1 year	Passed Class 10 <sup>th</sup> Exam under 10+2 system of Education or its equivalent
56.	Physiotherapy Technician	1 year	Passed 12 <sup>th</sup> class Exam. Under 10+2 system of education with Physics, Chemistry & Biology.
57.	Radiology Technician (Radio	2 years	Passed 12 <sup>th</sup> class Exam. Under 10+2 system of education with Physics, Chemistry & Biology.

	Diagnosis & Radiotherapy)	
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### Non-Engineering Trades

1.	Embroidery and Needle Work	1 Year	Passed 8 <sup>th</sup> class or its equivalent.
2.	Cane Willow and Bamboo Work	1 Year	Passed 8 <sup>th</sup> class or its equivalent.
3.	Weaving of Silk and Woolen Fabrics	1 year	Passed 8 <sup>th</sup> class or its equivalent.
4.	Weaving of Woolen Fabrics	1 year	Passed 8 <sup>th</sup> class or its equivalent.
5.	Manufacture of Footwear	1 year	Passed 8 <sup>th</sup> class examination under 10+2 system of education or its equivalent.
6.	Leather Goods Maker	1 Year	Passed 8 <sup>th</sup> class examination under 10+2 system of education or two classes below matriculation examination or its equivalent.
7.	Dress Making	1 year	Passed Matriculation examination or its equivalent or 10 <sup>th</sup> class under 10 + 2 system.
8.	Baker and Confectioner	1 year	Passed 10 <sup>th</sup> class examination under 10 + 2 system of education or its equivalent.
9.	Desk Top Publishing Operator	1 year	a) Passed 12 <sup>th</sup> under 10+2 system or its equivalent. b) Typing speed of 30 wpm in English. Desirable: typing speed of 30 wpm in Regional Language.
10.	Computer Operator and Programming Assistant	1 year	12 <sup>th</sup> class pass under 10+2 system or duly recognized Diploma in Engineering from any Polytechnic of 3 years duration after 10 <sup>th</sup> class.
11.	Cutting & Sewing	1 Year	Passed 8 <sup>th</sup> class or its equivalent
12.	Preservation of fruits and vegetables	1 year	Passed 10 <sup>th</sup> class examination under 10 + 2 system of education with Science or its equivalent.
13.	Photographer	1 year	Passed 10 <sup>th</sup> class examination with Physics and Chemistry under 10+2 system or its equivalent.
14.	Bleaching Dyeing and Calico Printing	1 year	Passed 10 <sup>th</sup> class examination under 10+2 system of education with Science and Mathematics or its equivalent.
15.	Stenography (English)	1 year	12 <sup>th</sup> class Pass

16.	Secretarial Practice	1 year	12 <sup>th</sup> class Pass
17.	Stenography (Hindi)	1 year	12 <sup>th</sup> class Pass
18.	Hair and Skin care	1 year	Passed Matriculation examination or equivalent.
19.	Steward	1 year	Passed 10 <sup>th</sup> Class exam under 10+2 system of education or its equivalent.
20.	Craftsman Food Production (General)	1 year	Passed 10 <sup>th</sup> Class exam under 10+2 system of education or its equivalent.
21.	Craftsman Food Production (Vegetarian)	1 year	Passed 10 <sup>th</sup> Class exam under 10+2 system of education or its equivalent.
22.	Process Cameraman	1 year	Passed 10 <sup>th</sup> class exam under 10+2 system of Education with science as one of the subjects or its equivalent.
23.	Plate Maker-cum-Impositer	1 year	Passed 10 <sup>th</sup> class exam under 10+2 system of education with science as one of the subjects or its equivalent.
24.	Litho – Offset Machine Minder	1 year	Passed 10 <sup>th</sup> class exam under 10+2 system of education with science as one of the subjects or its equivalent.
25.	Driver Cum Mechanic (Light Motor Vehicle)	06 months	Passed 10 <sup>th</sup> Class Examination under 10+2 System of Education.
26.	Data Entry Operator	06 months	Essential: (i) 10 <sup>th</sup> Class Passed (ii) Typing speed of 30 w.p.m. in English Desirable: Typing speed of 30 w.p.m. in Hindi/ Any Local language.
27.	Tourist Guide	06 months	Passed 12 <sup>th</sup> Class under 10+2 system of education or equivalent.
28.	Floriculture & Landscaping	06 months	Passed 12 <sup>th</sup> Class Examination with Biology as major subject or Vocational Training in Agro-Horticulture.
29.	Health Sanitary Inspector	01 year	Passed 12 <sup>th</sup> Class Examination under 10+2 System of Education with science in X class . Preference given to trainees with Physics, Chemistry & Biology in 12 <sup>th</sup> Class .
30.	Hospital House Keeping	01 year	Passed 12 <sup>th</sup> Class Examination under 10+2 System of Education with Physics, Chemistry & Biology.
31.	Dental Laboratory Technician	02 years	Passed 10 <sup>th</sup> Class Examination under 10+2 System of Education.
32.	Medical Transcription	06 months	Passed 12 <sup>th</sup> Class Examination under 10+2 system of education with Biology/Physiology as major subject. Knowledge of English Language is essential.

