



GOVERNMENT OF INDIA
MINISTRY OF SKILL DEVELOPMENT & ENTREPRENEURSHIP
DIRECTORATE GENERAL OF TRAINING

COMPETENCY BASED CURRICULUM

PAINTER (GENERAL)

(Duration: Two Years)

CRAFTSMEN TRAINING SCHEME (CTS)

NSQF LEVEL- 5



SECTOR – CONSTRUCTION



Directorate General of Training

PAINTER (GENERAL)

(Engineering Trade)

(Revised in 2019)

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CRAFTSMEN TRAINING SCHEME (CTS)

NSQF LEVEL- 5

Developed By

Ministry of Skill Development and Entrepreneurship

Directorate General of Training

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1. COURSE INFORMATION

During the two years duration of Painter (General) trade, a candidate is trained on Professional Skill, Professional Knowledge, Engineering Drawing, Workshop Calculation & Science and Employability Skill related to job role. In addition to this, a candidate is entrusted to undertake project work and extracurricular activities to build up confidence. The broad components covered under Professional Skill subject are as below:-

FIRST YEAR-The practical part starts with practice different types of sketching, ability to synthesize of free hand sketching of different objects etc. Identifying the paper, colour schemes and compose different types of colour shade expertise in 2D design. He will also practice sketches of different types of letters with colour shades. The safety aspect covers components like PPE, Fire extinguisher, First Aid.

The trainees undergo allied trade training viz. basic fitting, marking, chiseling, filing, drilling and pipe fitting etc. He will practice for manufacturing of simple sheet metal items as per drawing and join them by riveting. Execute different types of operating system and explore the working on DTP, corel draw, photo shop etc. Involved to making of different shapes in ornamental design, text, symbols etc. Produce sign board, name plate and preparing back ground painting, screen printing.

Second Year –In this year the trainees covers to development of craft work and artistic work on radium/vinyl/thermocool etc. He will also learn the techniques of decorative painting on wooden surface. Practice on internal and external building painting by using different decorative press. He will also learn painting of windows, grill, doors and different metal surface and pipes.

The trainees will practice the process of cleaning and painting on metal surface for preventive coating. Maintenance of different pneumatic components of paint gun, compressor, filter, pressure gauge, regulator, valve etc. Practicing of spray painting technique and also work on spray booths. Finding out the aspect ratio of missing of paint, hardener and solvent. Identify and apply of spray painting in home appliances, agricultural equipments and automotive bodies after removing of dents and recover the damaged parts. Identifying different types of power coating and apply the power coating technique in appropriate place. He will also integrate quality testing for various paints and painted films.

5. LEARNING OUTCOME

Learning outcomes are a reflection of total competencies of a trainee and assessment will be carried out as per the assessment criteria.

5.1 LEARNING OUTCOMES (TRADE SPECIFIC)

FIRST YEAR

1. Make different types of sketching viz., free Hand sketching of different objects, designing of different shapes, size, geometrical shapes of different objects following safety precaution.
2. Ability to synthesize of free Hand sketching of Human figures, Shading, Use graph & figure enlargement.
3. Identify of paper, colour schemes and compose different types of colour shade Expertise in 2D design.
4. Create different types of realistic objects viz., bird, animals, realistic human figure with application of colour shades.
5. Demonstrate with colour shades different types letters (Devanagari, roman, gothic, Text writing/ lettering) and apply them in appropriate place.
6. Plan and organize the work to make job as per specification applying different types of basic operation. *[Basic fitting operation – marking, Chiseling, Filing, Drilling, Pipe fitting]*
7. Manufacture simple sheet metal items as per drawing and join them by riveting. (like-Screen frame, sign board, & hanging Paintings frame)
8. Execute different types of Operating System and explore the working on DTP, Corel Draw, Photo shop etc.
9. Produce stencils involving different shapes in ornamental design, text, symbols etc. operations for different medium like papers, cards, tin, foam board, observing procedure and check for accuracy.
10. Produce Sign board, Name plate. prepare back ground painting, screen printing, Observe finishing, lettering proportion & evenness

SECOND YEAR

11. Develop a craft work and artistic work on radium/ vinyl/ thermocol etc.
12. Identity different types of Plywood, MDF & low-quality wood and make wooden surface used various techniques, decorate, paint& make an attractive wooden article.
13. Develop internal and external Building painting by using different decorative press.
14. Choose different pipes as per safety aspect and apply line painting with colour code.

15. Process of cleaning and painting on metal surface for preventive coat.
16. Identify, replace and assemble different pneumatics and paint gun. [Different components– Compressor, Pressure Gauge, Filter Regulator, Valve for hose]
17. Perform Spray Painting technique. (Spray Gun / hose handling, air & paint pressure controlling,)
18. Operate the system of spray booths, Oven, cleaning & their maintenance, application of sealant component on metallic joints.
19. Perform aspect ratio mixing of paint, hardener & solvent. Measure Viscosity of paint. Operate the Spray-painting system.
20. Identify and apply of spray-painting in-Home appliances, Agricultural equipment's, Machines, Automotive Bodies etc.
21. Removal of dents & recover the damaged accidental area. Repaint & recovering damaged area.
22. Finish special effects for Modern furniture.
23. Identify different types of powder coating and apply the Powder coating technique in appropriate place.
24. Integrate quality testing for various Paints & Painted films.