

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

COMPETENCY BASED CURRICULUM

INTERIOR DESIGN & DECORATION

(Duration: One Year)

CRAFTSMEN TRAINING SCHEME (CTS) NSQF LEVEL- 4



SECTOR – CONSTRUCTION



INTERIOR DESIGN & DECORATION

(Engineering Trade)

(Revised in 2019)

Version: 1.2

CRAFTSMEN TRAINING SCHEME (CTS)

NSQF LEVEL - 4

Developed By

Ministry of Skill Development and Entrepreneurship

Directorate General of Training

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1. COURSE INFORMATION

During the one-year duration of "Interior Design & Decoration" trade a candidate is trained on professional skill, professional knowledge and Employability skill related to the job role. In this trade we don't just teach Interior Design, we encourage each and every student to access and nurture their own natural sense of flair and creativity. We also help them to know that how can they create new ideas, thoughts and also to execute them in real form. In addition to this a candidate is entrusted to undertake project work, extracurricular activities and on job training to build up confidence. The broad components covered under Professional Skill subject are as below:-

During one year duration trainee learns about elementary first aid, fire fighting, environment regulation and housekeeping etc. The trainee gains knowledge for using drawing instrument and other supporting tools. The trainee draws various drawings of Interior design. The trainee learns to apply various tools and plan the design & position of furniture etc. with suitable layout. He/ she will be able to identify and classify various types of drawing, scale, analyze and prepare drawing according to place. The trainee learns to make small residential drawing plan with schedule sizes of furniture & apply color scheme. The trainee will be able to draw perspective view and prepare Power Point Presentation with various design process. The trainee can perform different designs on planning along with Auto Cad software.

The trainee learns 2D Software designs. He/she can make drawing of different sizes in correct scale on computer with the help of design software. The trainee can perform different operations on software along with different designs i.e. false ceiling, flooring, carpentry joints, partition wall, etc. The trainee will be able to draw various door & window frame and door - window designs. The trainee will be able to draw different types of layout designs for plumbing, lighting, Air Conditioning, etc. He/ she will be able to analyze & uses of paint, polish and varnish. The trainee will draw various type of small commercial planning with color scheme. The trainee will be able to check, identify, analyze, and draw the Interior jobs.

The trainee also undergoes two weeks project work at the mid and end of the year which gives them more practical exposure and helps to build up confidence level.

2.1 GENERAL

The Directorate General of Training (DGT) under Ministry of Skill Development & Entrepreneurship offers a range of vocational training courses catering to the need of different sectors of economy/ Labour market. The vocational training programmes are delivered under the aegis of Directorate General of Training (DGT). Craftsman Training Scheme (CTS) with variants and Apprenticeship Training Scheme (ATS) are two pioneer schemes of DGT for strengthening vocational training.

Interior Design & Decoration trade under CTS is one of the popular courses delivered nationwide through a network of ITIs. The course is of one-year duration. It mainly consists of Domain area and Core area. In the Domain area (Trade Theory & Practical) imparts professional skills and knowledge, while Core area (Workshop Calculation & science and Employability Skill) imparts requisite core skills, knowledge, and life skills. After passing out the training programme, the trainee is awarded National Trade Certificate (NTC) by DGT which is recognized worldwide.

Trainee broadly needs to demonstrate that they are able to:

- Read & interpret technical parameters/documentation, plan work, identify necessary materials and tools;
- Perform task with due consideration to safety rules, accident prevention regulations and environmental protection stipulations;
- Apply professional knowledge, core skills & employability skills while performing the iob.
- Check the task/assembly as per drawing for functioning, identify and rectify errors in task/assembly.
- Document the technical parameters related to the task undertaken.

2.2 PROGRESSION PATHWAYS:

- Can join industry as Technician and will progress further as Senior Technician, Supervisor and can rise up to the level of Manager.
- Can become Entrepreneur in the related field.
- Can join Apprenticeship programme in different types of industries leading to National Apprenticeship certificate (NAC).
- Can join Crafts Instructor Training Scheme (CITS) in the trade for becoming instructor in ITIs.
- Can join Advanced Diploma (Vocational) courses under DGT as applicable.

2.3 COURSE STRUCTURE:

Table below depicts the distribution of training hours across various course elements during a period of one year:

S No.	Course Element	Notional Training Hours
1	Professional Skill (Trade Practical)	1120
2	Professional Knowledge (Trade Theory)	240
3	Workshop Calculation & Science	80
4	Employability Skills	160
	Total	1600

2.4 ASSESSMENT & CERTIFICATION

The trainee will be tested for his skill, knowledge and attitude during the period of course through formative assessment and at the end of the training programme through summative assessment as notified by the DGT from time to time.

- a) The **Continuous Assessment** (Internal) during the period of training will be done by **Formative Assessment Method** by testing for assessment criteria listed against learning outcomes. The training institute have to maintain individual *trainee portfolio* as detailed in assessment guideline. The marks of internal assessment will be as per the formative assessment template provided on www.bharatskills.gov.in
- b) The final assessment will be in the form of summative assessment. The All India Trade Test for awarding NTC will be conducted by **Controller of examinations**, **DGT** as per the guidelines. The pattern and marking structure is being notified by DGT from time to time. **The learning outcome and assessment criteria will be basis for setting question papers for final assessment**. **The examiner during final examination will also check** individual trainee's profile as detailed in assessment guideline before giving marks for practical examination.

2.4.1 PASS REGULATION

For the purposes of determining the overall result, weightage of 100% is applied for six months and one-year duration courses and 50% weightage is applied to each examination for two years courses. The minimum pass percent for Trade Practical and Formative assessment is 60% & for all other subjects is 33%. There will be no Grace marks.

2.4.2 ASSESSMENT GUIDELINE

Appropriate arrangements should be made to ensure that there will be no artificial barriers to assessment. The nature of special needs should be taken into account while undertaking assessment. Due consideration should be given while assessing for teamwork, avoidance/reduction of scrap/wastage and disposal of scrap/wastage as per procedure, behavioral attitude, sensitivity to environment and regularity in training. The sensitivity towards OSHE and self-learning attitude are to be considered while assessing competency. Assessment will be evidence based, comprising the following:

- Job carried out in labs/workshop
- Record book/ daily diary
- Answer sheet of assessment
- Viva-voce
- Progress chart
- Attendance and punctuality
- Assignment
- Project work

Evidences and records of internal (Formative) assessments are to be preserved until forthcoming examination for audit and verification by examination body. The following marking pattern to be adopted while assessing:

Performance Level	Evidence			
(a) Weightage in the range of 60 -75% to be allotted during assessment				
For performance in this grade, the candidate should produce work which demonstrates attainment of an acceptable standard of craftsmanship with occasional guidance, and due regard for safety procedures and practices.	 Demonstration of good skill in the use of hand tools, machine tools and workshop equipment. 60-70% accuracy achieved while undertaking different work with those demanded by the component/job. A fairly good level of neatness and consistency in the finish. Occasional support in completing the project/job. 			
(b) Weightage in the range of above 75% - 90% to be allotted during assessment				
For this grade, a candidate should produce work which demonstrates attainment of a reasonable standard of craftsmanship, with little guidance, and regard for safety procedures and practices.	 Good skill levels in the use of hand tools, machine tools and workshop equipment. 70-80% accuracy achieved while undertaking different work with those demanded by the 			



com	ponent	⊦/i∩h
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- A good level of neatness and consistency in the finish
- Little support in completing the project/job.

(c) Weightage in the range of above 90% to be allotted during assessment

For performance in this grade, the candidate, with minimal or no support in organization and execution and with due regard for safety procedures and practices, has produced work which demonstrates attainment of a high standard of craftsmanship.

- High skill levels in the use of hand tools, machine tools and workshop equipment.
- Above 80% accuracy achieved while undertaking different work with those demanded by the component/job.
- A high level of neatness and consistency in the finish.
- Minimal or no support in completing the project.



Interior Designer; planning designs, and furnishes interiors of residential, commercial, or industrial buildings. Interior designer to understand civil requirement & serve offer to do clean & functional environment Interior designer can design and estimate various types of residential & commercial interiors with color scheme. Interior designer can read and draw interior drawings using appropriate measuring instruments and know the sequence of operations, Selects suitable materials as per design for formal and informal interiors with an aesthetic value. Creates own designs to satisfy clients requirements and taste etc. showing style, shape, size and other characteristics or products. Makes sketches and diagrams or design keeping into consideration purpose, cost and preferences of client. Estimates material requirements and costs, and presents design to client for approval. Confers with client to determine factors affecting planning interior environments, such as budget, architectural preferences, and purpose and function. Advises client on interior design factors, such as space planning, layout and utilization of furnishings and equipment, and colour co-ordination. Selects or designs and purchases furnishings, art works, and accessories. Subcontract fabrication, installation, and arrangement of carpeting, fixtures, accessories, draperies, paint and wall coverings, art work, furniture, and related items. Render design ideas in form of paste-ups or drawings. Plans and designs interior environments also for boats, planes, buses, trains, and other enclosed spaces. Designers can used different interior software's for making plan & designs.

Decorator; Decorators coordinate the architect & civil engineer. Decorator is executing the concept of designing of interior designer. They have to know management, time line part, material part, consult the designer regarding the fabrication, design the aesthetic part. They recommend the types of paints, polishes, suitable air conditioners, approved by ISI for interior and exterior applicability. They are recommending the types of indoor plants and suggest ways to take care & maintenance Arranges decorative material, furniture, wares, products etc. in artistic manner. May specialize in setting and decorating stages and may be known as Set Decorator. May be known as Interior Decorator, Decorative Designer, Window Display Designer, Display Artist, etc., according to field of specialization.

Furniture Designer; designs furniture line or individual pieces for manufacture according to knowledge of design trends. Studies market trends and customer needs and discusses design suggestions with production management and trade channels. Design & execute suitable furniture as per anthropometrics in different materials. Recognize and select the types of natural & man-made wood products used for interior designing taking into account of economical & environmental conditions Evaluates proposals and prepares freehand sketches of promising designs. Obtains approval from customer, design committee or company. Furniture design containing manufacturing specifications, such as dimensions, kind of wood and upholstery fabrics to be used in manufacturing furniture line or article. May plan



modifications for completed furniture to conform to changes in design trends and increase customer acceptance.

Reference NCO-2015:

- a) 3432.0100 Interior Designer
- b) 3432.0200 Decorator
- c) 2163.0400 Furniture Designer

4. GENERAL INFORMATION

Name of the Trade	Interior Design & Decoration	
Trade Code	DGT/ 1037	
NCO - 2015	3432.0100, 3432.0200, 2163.0400	
NSQF Level	Level - 4	
Duration of Craftsmen Training	One Year (1600 Hours)	
Entry Qualification	Passed 10 th class examination with Science & Mathematics or its equivalent	
Minimum Age	14 years as on first day of academic session.	
Eligibility for P w D	LD, CP, LC, DW, AA, LV, DEAF, AUTISM, SLD, MD	
Unit Strength (No. Of Students)	24 (There is no separate provision of supernumerary seats)	
Space Norms	80 sq. m	
Power Norms	10 KW	
Instructors Qualification	n for	
(i) Interior Design & Decoration	B.Voc/Degree in Interior Design & Decoration/ Architecture / Civil Engg. from AICTE/UGC recognized Engineering College/ university with one-year experience in relevant field. OR 03 years Diploma in Interior Design & Decoration/ Architecture/ Civil Engg. from AICT/ recognized board of technical education or relevant Advanced Diploma (Vocational) from DGT with two years experience in relevant field. OR NTC/NAC passed in the Trade of "Interior Design & Decoration" With three years experience in the relevant field. Essential Qualification: Relevant National Craft Instructor Certificate (NCIC) in any of the variants under DGT. Note: - Out of two Instructors required for the unit of 2(1+1), one must have Degree/Diploma and other must have NTC/NAC	
(ii) Workshop	 qualifications. However, both of them must possess NCIC in any of its variants. B.Voc/Degree in Engineering from AICTE/UGC recognized 	
Calculation & Science	Engineering College/ university with one-year experience in the relevant field.	
	OR	



	03 years Diploma in Engineering from AICTE/ recognized board of technical education or relevant Advanced Diploma (Vocational) from DGT with two years' experience in the relevant field. OR NTC/ NAC in any one of the engineering trades with three years'			
	experience.			
	Essential Qualific	cation:		
	National Craft Ins	structor Certificat	e (NCIC) in relevan	t trade
		_	OR .	
	NCIC in RoDA or	any of its variants	under DGT	
(iii) Employability Skill	MBA/ BBA / Any Graduate/ Diploma in any discipline with Two years' experience with short term ToT Course in Employability Skills from DGT institutes.			
	(Must have studied English/ Communication Skills and Basic Computer at 12th / Diploma level and above)			
	OR			
	Existing Social Studies Instructors in ITIs with short term ToT Course			
	in Employability Skills from DGT institutes.			
(iv) Minimum Age for Instructor	21 Years			
List of Tools & Equipment	As per Annexure-I			
Distribution of training on hourly basis: (Indicative only)				
Total Hrs /week	Trade Practical	Trade Theory	Workshop Cal. & Sc.	Employability Skills
40 Hours	28 Hours	6 Hours	2 Hours	4 Hours



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)

- 1. Appraise the importance of interior designing & drawing instruments, drawing sheets, lettering following safety precautions.
- 2. Draft the Geometrical shapes and projection with the help of engineering scale and free hand sketches.
- 3. Draft the design with the help of colour scheme and apply with rules and calculations.
- 4. Draw furniture designing & detailing
- 5. Draw residential plan with necessary working drawing.
- 6. Draw different types of staircase.
- 7. Apply basic knowledge of structural part of building.
- 8. Draw doors and windows & details.
- 9. Draw one- and two-point's perspective view.
- 10. Prepare the power point presentation with animation.
- 11. Create object on 2D using tool bars, commands.
- 12. Draw different types of false ceiling by using CAD.
- 13. Draw different types of flooring by using CAD.
- 14. Draw different types of carpentry joints by using CAD.
- 15. Analyse and uses of paints, polish and varnish.
- 16. Draw different types of partition wall by using CAD.
- 17. Draw plumbing and drainage detail & sanitary fittings by using CAD.
- 18. Draw lighting and electrical layout plan by using CAD.
- 19. Draw air conditioning layout by using CAD.
- 20. Draw commercial interiors by using CAD.





LEARNING OUTCOMES		ASSESSMENT CRITERIA	
1.	Appraise the importance of interior	Appraise the importance of interior designing in socio economic point of view.	
	designing & drawing	Identify the requirement of designing to modernize and also link	
	instruments, drawing	it with our past eras with change of habit and use.	
	sheets, lettering	Compare and relate interior designing with other industries.	
	following safety	Functional and operational knowledge of tools equipments and	
	precautions.	drawing materials and its operations.	
		Employ & use the lettering.	
2.	Draft the Geometrical	Explain the ISI and code of practice for interior design & drawing.	
	shapes and projection	Understand & apply engineering scale in drawing.	
	with the help of	Draw Geometrical shapes of solids.	
	engineering scale and	Draw projections and view.	
	free hand sketches.	Apply different techniques of free hand sketches.	
3.	Draft the design with	Recognize the elements and principle of designing in interior.	
	the help of colour	Apply arithmetic aptitude for Interior drawing.	
	scheme and apply with	Recognize and apply colour sets and graphics symbols.	
	rules and calculations.	Prepare the space utility planning.	
4.	Draw furniture	Homologation of different types of furniture.	
	designing & detailing	Design furniture with space utilisation.	
5.	Draw residential plan	Make outline of dimensions, circulation flow and layout.	
	with necessary working	Execute ideas in interior plan.	
	drawing.	Demonstrate planning elements.	
6.	Draw different	Distinguish different types of staircase.	
	types of	Draw staircase drawing with sectional detail.	
	staircase.		
7.	Apply basic knowledge	Appraise different types of load bearing portion of a structure.	
	of structural part of		
	building.		
8.	Draw doors and	Appraise and apply different types of doors, windows and	



Draw door & windows with sectional detail. Illustrate the requirement of the doors & window locations. 9. Draw one- and two- point's perspective view. 10. Prepare the power point presentation with animation. Prepare the PPT with animation 11. Create object on 2D using tool bars, commands. Prepare drawing in 2D software. 12. Draw different types of false ceiling by using CAD. 13. Draw different types of flooring by using CAD. 14. Draw different types of carpentry joints by using CAD. 15. Analyse and uses of paints, polish and varnish. 16. Draw different types of partition wall by using CAD. Draw plumbing and Appraise the plumbing and sanitation and their Prepare drawing in 2D software uses of tool bars, commands, menus, formatting layers, and styles etc. Prepare drawing in 2D software. Prepare drawing in 2D software. Demonstrate and apply the different types of command on 2D. Demonstrate use of tool bars, commands, menus, formatting layers, and styles etc. Prepare drawing in 2D software. Prepar		windows & details.	ventilators.	
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12. Draw different types of false ceiling by using CAD. 13. Draw different types of flooring by using CAD. 14. Draw different types of carpentry joints by using CAD. 15. Analyse and uses of paints, polish and varnish. 16. Draw different types of partition wall by using CAD. 17. Draw plumbing and Appraise the plumbing and sanitation and their				
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13. Draw different types of flooring by using CAD. Recognize and apply flooring material according to place/site requirement. Recognize and apply flooring material according to colour scheme, thickness and graphic symbols. 14. Draw different types of carpentry joints by using CAD. Draw joint details. 15. Analyse and uses of paints, polish and varnish. 16. Draw different types of partition wall by using CAD. Explain different types of wall, partition wall. Recognize material property those are used in partition. Prepare working drawing of partition wall. 17. Draw plumbing and Appraise the plumbing and sanitation and their		• •		
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partition wall by using Recognize material property those are used in partition. Prepare working drawing of partition wall. 17. Draw plumbing and Appraise the plumbing and sanitation and their		varnish.	Appraise techniques which are used.	
partition wall by using Recognize material property those are used in partition. Prepare working drawing of partition wall. 17. Draw plumbing and Appraise the plumbing and sanitation and their				
CAD. Prepare working drawing of partition wall. 17. Draw plumbing and Appraise the plumbing and sanitation and their	16.	Draw different types of	Explain different types of wall, partition wall.	
17. Draw plumbing and Appraise the plumbing and sanitation and their		partition wall by using	Recognize material property those are used in partition.	
		CAD.	Prepare working drawing of partition wall.	
drainage detail & purpose/Requirement.	17.	Draw plumbing and	Appraise the plumbing and sanitation and their	
<u> </u>		drainage detail &	purpose/Requirement.	



	sanitary fittings by	Illustrate types of plumbing & sanitation system.
	using CAD.	Recognize sanitary fittings and apply on the layout.
		Make a plumbing drawing and sanitary drawing of a house
		drainage plan.
18.	Draw lighting and	Explain the importance of lighting in interior designing.
	electrical layout plan by	Illustrate the types of lighting arrangement.
	using CAD.	Illustrate the use of lights & lamps & use of the same at proper
		places.
		Apply the lights and accessories with all specification in false
		ceiling layout plan.
19.	Draw air conditioning	Understanding the necessities of air conditioning.
	layout by using CAD.	Functional knowledge of types of air conditioning.
		Recognizing and applying of the proper air conditioning system
		suitable for a space.
20.	Draw commercial	Appraise dimension, circulation and layout.
	interiors by using CAD.	Execute ideas arithmetically in plan.
		Demonstrate planning elements.
		Draw Free hand sketches and 3D views.

	SYLLABUS FOR INTERIOR DESIGN & DECORATION				
Duration	Reference Learning Outcome	Professional Skills (Trade Practical) With Indicative Hours	Professional Knowledge (Trade Theory)		
Professional Skill 28 Hrs; Professional Knowledge 06 Hrs	Appraise the importance of interior designing & drawing instruments, drawing sheets, Lettering following safety precautions.	 Importance of trade training. (03 hrs) Uses of tools, equipments 	their used.		
Professional Skill 56 Hrs; Professional Knowledge 12 Hrs	Draft the Geometrical shapes and projection with the help of engineering scale and free hand sketches.	 8. Draw different types of lines by Free hand. (06 hrs) 9. Introduce the scale MKS and FPS for making the drawing. (10 hrs) 10. Draw the simple composition of geometrical object with help of scale. (10 hrs) 11. Draw the simple exercise using lines in different angles. (06 hrs) 	Elements of Interior Design: Introduction to Indian Standards Institution Code of practice for general interior drawing. Introduction & Importance of lines i. Continuous thick & thin line ii. Dashed thin line iii. Cutting plan line iv. Long & short break line thick line Basic knowledge of		

		12. Draft the plan, elevation	geometrical shapes & lines.
		& sectional elevation &	Definition of projection
		isometric view of	Types of projection
		geometrical solids.	Parallel projection
		Regular, Irregular shapes.	i. Oblique
			·
		(10 hrs) i. Cube]
		ii. Cuboids	iv. Isometric
		iii. Triangular prism	Definition: -
		iv. Cylinder	i. Layout of plan
		v. Pyramid	ii. Elevation (Front & side
		vi. Hexagonal prism	elevation)
		vii. Hexagonal	iii. Sectional Elevation
		Pyramid	(12 hrs.)
		viii. Cone	
		13. Practice on types of	
		dimension (04 hrs)	
		i. Aligned system	
		ii. Unidirectional	
		system	
		14. Free hand sketches of	
		graphic symbols. (10 hrs)	
Professional	Draft the design	graphic symbols. (10 hrs) Functional designing of	Principle of Design:
	Draft the design with the help of	Functional designing of	Principle of Design: Introduction of basic interior
Professional Skill 56 Hrs;	with the help of	Functional designing of interiors:	Introduction of basic interior
	with the help of color scheme and	Functional designing of interiors: 15. How to make design: - (15)	Introduction of basic interior design.
Skill 56 Hrs;	with the help of color scheme and apply with rules	Functional designing of interiors: 15. How to make design: - (15 hrs)	Introduction of basic interior design. i. Elements- example: line,
Skill 56 Hrs; Professional	with the help of color scheme and	Functional designing of interiors: 15. How to make design: - (15 hrs) i. Flow of circulation	Introduction of basic interior design. i. Elements- example: line, etc.
Skill 56 Hrs; Professional Knowledge	with the help of color scheme and apply with rules	Functional designing of interiors: 15. How to make design: - (15 hrs) i. Flow of circulation chart (Bubble diagram)	Introduction of basic interior design. i. Elements- example: line, etc. ii. Principle of design
Skill 56 Hrs; Professional Knowledge	with the help of color scheme and apply with rules	Functional designing of interiors: 15. How to make design: - (15 hrs) i. Flow of circulation chart (Bubble diagram) ii. Concept of design,	Introduction of basic interior design. i. Elements- example: line, etc. ii. Principle of design example: balance,
Skill 56 Hrs; Professional Knowledge	with the help of color scheme and apply with rules	Functional designing of interiors: 15. How to make design: - (15 hrs) i. Flow of circulation chart (Bubble diagram) ii. Concept of design, pattern, colour	Introduction of basic interior design. i. Elements- example: line, etc. ii. Principle of design example: balance, emphasis etc.
Skill 56 Hrs; Professional Knowledge	with the help of color scheme and apply with rules	Functional designing of interiors: 15. How to make design: - (15 hrs) i. Flow of circulation chart (Bubble diagram) ii. Concept of design, pattern, colour iii. Designing of space with	Introduction of basic interior design. i. Elements- example: line, etc. ii. Principle of design example: balance, emphasis etc. Colors:
Skill 56 Hrs; Professional Knowledge	with the help of color scheme and apply with rules	Functional designing of interiors: 15. How to make design: - (15 hrs) i. Flow of circulation chart (Bubble diagram) ii. Concept of design, pattern, colour iii. Designing of space with furniture layout	Introduction of basic interior design. i. Elements- example: line, etc. ii. Principle of design example: balance, emphasis etc. Colors: Types of color schemes based
Skill 56 Hrs; Professional Knowledge	with the help of color scheme and apply with rules	Functional designing of interiors: 15. How to make design: - (15 hrs) i. Flow of circulation chart (Bubble diagram) ii. Concept of design, pattern, colour iii. Designing of space with furniture layout 16. Design knowledge of	Introduction of basic interior design. i. Elements- example: line, etc. ii. Principle of design example: balance, emphasis etc. Colors: Types of color schemes based on the color wheel.
Skill 56 Hrs; Professional Knowledge	with the help of color scheme and apply with rules	Functional designing of interiors: 15. How to make design: - (15 hrs) i. Flow of circulation chart (Bubble diagram) ii. Concept of design, pattern, colour iii. Designing of space with furniture layout 16. Design knowledge of interior in residential &	Introduction of basic interior design. i. Elements- example: line, etc. ii. Principle of design example: balance, emphasis etc. Colors: Types of color schemes based on the color wheel. i. triad colour scheme:
Skill 56 Hrs; Professional Knowledge	with the help of color scheme and apply with rules	Functional designing of interiors: 15. How to make design: - (15 hrs) i. Flow of circulation chart (Bubble diagram) ii. Concept of design, pattern, colour iii. Designing of space with furniture layout 16. Design knowledge of interior in residential & commercial. (20 hrs)	Introduction of basic interior design. i. Elements- example: line, etc. ii. Principle of design example: balance, emphasis etc. Colors: Types of color schemes based on the color wheel. i. triad colour scheme: a) Primary.
Skill 56 Hrs; Professional Knowledge	with the help of color scheme and apply with rules	Functional designing of interiors: 15. How to make design: - (15 hrs) i. Flow of circulation chart (Bubble diagram) ii. Concept of design, pattern, colour iii. Designing of space with furniture layout 16. Design knowledge of interior in residential & commercial. (20 hrs) i. Basic layout plan.	Introduction of basic interior design. i. Elements- example: line, etc. ii. Principle of design example: balance, emphasis etc. Colors: Types of color schemes based on the color wheel. i. triad colour scheme: a) Primary. b) Secondary.
Skill 56 Hrs; Professional Knowledge	with the help of color scheme and apply with rules	Functional designing of interiors: 15. How to make design: - (15 hrs) i. Flow of circulation chart (Bubble diagram) ii. Concept of design, pattern, colour iii. Designing of space with furniture layout 16. Design knowledge of interior in residential & commercial. (20 hrs) i. Basic layout plan. ii. Elevation.	Introduction of basic interior design. i. Elements- example: line, etc. ii. Principle of design example: balance, emphasis etc. Colors: Types of color schemes based on the color wheel. i. triad colour scheme: a) Primary. b) Secondary. c) Tertiary.
Skill 56 Hrs; Professional Knowledge	with the help of color scheme and apply with rules	Functional designing of interiors: 15. How to make design: - (15 hrs) i. Flow of circulation chart (Bubble diagram) ii. Concept of design, pattern, colour iii. Designing of space with furniture layout 16. Design knowledge of interior in residential & commercial. (20 hrs) i. Basic layout plan. ii. Elevation. 17. Free hand sketches of	Introduction of basic interior design. i. Elements- example: line, etc. ii. Principle of design example: balance, emphasis etc. Colors: Types of color schemes based on the color wheel. i. triad colour scheme: a) Primary. b) Secondary.
Skill 56 Hrs; Professional Knowledge	with the help of color scheme and apply with rules	Functional designing of interiors: 15. How to make design: - (15 hrs) i. Flow of circulation chart (Bubble diagram) ii. Concept of design, pattern, colour iii. Designing of space with furniture layout 16. Design knowledge of interior in residential & commercial. (20 hrs) i. Basic layout plan. ii. Elevation.	Introduction of basic interior design. i. Elements- example: line, etc. ii. Principle of design example: balance, emphasis etc. Colors: Types of color schemes based on the color wheel. i. triad colour scheme: a) Primary. b) Secondary. c) Tertiary.
Skill 56 Hrs; Professional Knowledge	with the help of color scheme and apply with rules	Functional designing of interiors: 15. How to make design: - (15 hrs) i. Flow of circulation chart (Bubble diagram) ii. Concept of design, pattern, colour iii. Designing of space with furniture layout 16. Design knowledge of interior in residential & commercial. (20 hrs) i. Basic layout plan. ii. Elevation. 17. Free hand sketches of	Introduction of basic interior design. i. Elements- example: line, etc. ii. Principle of design example: balance, emphasis etc. Colors: Types of color schemes based on the color wheel. i. triad colour scheme: a) Primary. b) Secondary. c) Tertiary. ii. related colour scheme:

		electrical, landscape. (13	d) Neutral.
		hrs)	iii. contrasting:
		18. Rendering with pencil and	a) Complementary.
		pencil colour. (08 hrs)	b) Split complementary.
			c) Double split
			d) Complementary.
			e) Cool colour, warm
			colour.
			Understand the psychological
			affects by different colours on
			different person and places.
			Introduction of Graphic
			symbols in interior.
			(12 hrs.)
Professional	Draw furniture	Furniture design and detail:	Furniture design:
Skill 56 Hrs;	designing &	19. Residential furniture. (26	Furniture styles:
	detailing	hrs)	i. Traditional/classic style.
Professional		Table, chair, sofa, cabinet,	ii. Ethnic style.
Knowledge		bed, wardrobe, dining	iii. Contemporary style.
12 Hrs		table.	Types of furniture:
		20. Commercial furniture. (30	i. Daily uses furniture
		hrs): Executive table/	ii. Loose carpentry furniture.
		office table, reception	iii. Fixed carpentry furniture.
		table, cabinet storage.	iv. Multi-utility storage
		Note: Necessary practical	v. Open & closed storage
		training will be carried out on	Importance of anthropometric
		site.	and ergonomics.
			(12 hrs.)
Professional	Draw residential	Drafting of Residential Plan	Planning of Interiors:
Skill 140Hrs;	plan with necessary	(Any Room):	
5 ()	working drawing.	21. Concept plan with	Space selection for circulation
Professional		circulation flow (Bubble	and furniture.
Knowledge		Diagram). (15 hrs)	Selection of furniture.
30 Hrs		22. Basic furniture layout plan	Uses of furniture templates.
		with working drawing. (30	(30 hrs.)
		hrs)	
		23. Wall elevation with	
		dimension and	
		specification. (30 hrs)	
		24. Necessary details. (40 hrs)	
		25. Rendering the plan &	



		elevations. (25 hrs)	
Professional Skill 28 Hrs; Professional Knowledge 06 Hrs	Draw different types of staircase.	elevations. (25 hrs) 26. Prepare drawing with technical details of the R.C.C. Stair case. (18 hrs) i. Straight Staircase. ii. Open newel Staircase. iii. Dog legged Staircase. iv. Bifurcated Staircase. 27. Calculation of Staircase (trade and riser). (10 hrs)	Stair case: Requirement and placement of good Staircase. Basic terminology of R.C.C. Staircase. Types of Staircase. i. Straight. ii. Quarter turn iii. Half turn (Dog legged) iv. Three quarter turn v. Bifurcated vi. Open newel. vii. Geometrical viii. Circular ix. Spiral. Model of Staircase: - Demonstration of R.C.C. Staircase with the help of respective models.
Professional Skill 28 Hrs; Professional Knowledge 06 Hrs	Apply basic knowledge of structural part of building.	Preparing drawing: 28. Basic concept of section of a building through toilet & balcony introducing the beam & column. (28 hrs)	(06 hrs.) Basic knowledge & importance in PPT/video presentation i. Mezzanine floor a) Temporary b) Semi permanent ii. Stone masonry & types iii. Brick masonry & types • Stretcher bond • Header bond • English bond • Flemish bond • Raking bond • Zigzag bond iv. Lintels & types v. Arches & types and terminology vi. Sunshade (06 hrs.)
Professional	Draw doors and windows & details.	29. Model of Door window: - Demonstrate doors and	Wooden Doors & Windows Introduction of hardware



Skill 56 Hrs;		windows with the help of	fitting in door & windows with	
		respective models. (06 dimension		
Professional		hrs)	Types of Doors	
Knowledge		30. Preparing of plan,	i. Batten and ledged door	
12 Hrs		elevation & section of	ii. Framed and panelled	
		door (25 hrs)	door	
		i. Panelled door	iii. Glazed or sash door	
		ii. Glazed or sash	iv. Flush door	
		iii. Flush door	v. Louvered door	
		31. Preparing of plan,	vi. Wire gauged door	
		elevation & section of	vii. Revolving	
		window. (25 hrs)	viii. Sliding (Aluminium)	
		i. Casement window	ix. Swing door/ floor spring	
		with ventilator	door	
		(wooden)	Placement of door & windows	
		ii. Sash window	regarding circulation of space	
		(wooden)	Definition of technical terms of	
		iii. Sliding window	doors & window	
		(aluminium)	Size of doors & windows,	
			ventilators	
			Types of windows	
			Fixed window	
			 Casement window 	
			Sliding window	
			Sash window	
			 Louvered window 	
			 Metal window 	
			Bay window	
			Corner window	
			Dormer window	
			Gable window	
			 Sky light window 	
			Fixture and fastening	
			a) hinges, b) bolts, c) handles d)	
			locks (12 hrs.)	
Professional	Draw one and two	Preparation of drawing	Projection	
Skill 56 Hrs;	points perspective	32. Draft one-point	Perspective projection definition	
Duefecsians	view.	perspective view with	i. 1 point	
Professional		approximate method (any	ii. 2 point	
Knowledge		room). (36 hrs)	iii. 3 point	

12 Hrs		33. Render the perspective view with any medium. (20 hrs)	(Describe the one-point perspective with approximate method) Definition i. Ground plane ii. Station point iii. Picture plane iv. Horizontal plane v. Ground line vi. Horizontal line or eye level Vanishing point (12 hrs.)
Professional Skill 56 Hrs; Professional Knowledge 12 Hrs	Prepare power point presentation with animation.	Computer 34. Prepare the power point still presentation. (26 hrs) 35. Prepare the power point animated presentation. (30 hrs)	Knowledge of Computer. Microsoft Power point, commands and their uses. (12 hrs.)
Professional Skill 140Hrs; Professional Knowledge 30 Hrs	Create object on 2D using tool bars, commands.	2D Software training- 36. Installation of 2D software. (08 hrs) 37. Elementary commands and menus of 2D software. (48 hrs) 38. Drawing practice on 2D software. (84 hrs)	Preliminary Drawing in 2D i) 2D commands and use of different menus. ii) Concept of 2D drawing. iii) Concept of rendering. (30 hrs.)
Professional Skill 56 Hrs; Professional Knowledge 12 Hrs	Draw different types of false ceiling by using CAD.	Preparing of drawing 39. Design a false ceiling in a room. (28 hrs) 40. Specify the level and section and finishing material (laminate, veneer, paints). (28 hrs)	Ceiling Definition of false ceiling to understand the job fabrication installation process of false ceiling with Gyp board / POP board / Ply / Wood Types of ceiling i. Grid ii. Coffered iii. Cove iv. Plain Finishing materials used for false ceiling. Laminate, veneer, stone, glass,

			acrylic sheet, MDF, paints, wall	
			paper, fabric, stainless steel,	
			wood. (12 hrs.)	
Professional	Draw different	Preparing of drawing	Types of floor finishing	
Skill 56 Hrs;	types of flooring by	41. Design a flooring pattern	i. Stone	
Professional	using CAD.	with finishing material	ii. Marble	
		(Marble, Vitrified tile,	iii. Mosaic	
Knowledge		PVC. Laminated). (30 hrs)	iv. Vinyl	
12 Hrs		42. Specify the starting point	v. Vitrified tiles	
		of flooring (13 hrs)	vi. Ceramic tiles	
		43. Specify the dimension &	vii. PVC	
		sizes. (13 hrs)	viii. Carpet	
			ix. Laminated	
			x. Glass	
			(12 hrs.)	
Professional	Draw different	Drafting simple joints used in	Carpentry joints	
Skill 56 Hrs;	types of carpentry	furniture	Types of joints	
D ()	joints by using CAD.	44. Drafting details drawing	i. Butt joint	
Professional		of different types of	ii. Mitre joint	
Knowledge		joints. (28 hrs)	iii. Lap joint	
12 Hrs		45. Draft a sheet of door/	iv. Mortise and Tenon joint	
		window/ chair/ table/	v. Tounge and groove joint	
		bed (any one) (28 hrs)	vi. Housed joint	
			vii. Cross joint	
			Joints used in furniture	
			Joints used in doors/ windows/	
			ventilators.	
			Model of Carpentry joints: -	
			Demonstration of staircase	
			with the help of respective	
			models.	
			(12 hrs.)	
Professional	Analyse and uses of	Generate Power Point	Paints and	
Skill 28 Hrs;	paints polish and	Presentation for Paint, Polish	polishing/varnishing:	
5 ()	varnish.	and Varnish -	What is paint	
Professional		46. Practicing processes &	Types of paints	
Knowledge		techniques of paints,	i. Synthetic enamel	
06 Hrs		polishing & varnishing on	ii. Acrylic Emulsion	
		surfaces. (18 hrs)	iii. distemper	
		47. Recognize the tool &	iv. Epoxy	
		equipment and their	v. Nitro Cellulose	

			uses. (05 hrs)	vi. Metallic
		48.	Estimate quantity of	vii. Texture
			materials used on	viii. Lime wash
			surface and labour cost.	ix. Exterior paint
			(05 hrs)	Painting techniques
				i. By Brush
		NOT	E: - necessary practical	ii. By Roller
		train	ing will be carried out on	iii. By spray gun
		site.		Paintings defeats and remedies.
				Introduction of polish and
				varnish:
				Method of preparation and
				types of polish on wood.
				Types of varnishes:
				i. Oil
				ii. Spirit
				iii. Turpentine
				iv. Melamine
				v. PU (polyurethane)
				(06 hrs.)
Professional	Draw different	49.	Design the full height	Partition wall:
Skill 56 Hrs;	types of partition		and low height partition	Introduction of partition wall
	wall by using CAD.		wall with different	Property of a good partition
Professional			construction and	wall
Knowledge			finishing materials. (28	Types of partition wall
12 Hrs			hrs)	i. Brick partition
		50.	Draft Plan, sectional	ii. Glass partition
			plan, front elevation and	iii. Timber or wooden
			section with specification	partition
			and dimension. (28 hrs)	iv. Aluminium partition
			, ,	(12 hrs.)
Professional	Draw plumbing and	51.	Layout the	Plumbing:
Skill 28 Hrs;	drainage details		plumbing/drainage	Purpose and principle of house
,	and sanitary fittings		/Sanitary plan and	drainage.
Professional	by using CAD.		sectional elevation. (12	Types of Drainage plumbing
Knowledge	0, 00mg or 15.		hrs)	system
06 Hrs		52.	Make Top plan, side	i. One pipe system
		J.	elevation, and front	ii. Single stack system
			elevation of all sanitary	iii. Single stack (partially
			plumbing fittings with	ventilated system)
			dimension. (16 hrs)	iv. Two pipe system
			unitension: (10 m/s)	iv. i wo pipe system

				Sanitation:
				Traps
				i. Gully trap
				ii. Intercepting trap
				iii. Grease trap
				iv. Floor trap or Nahni trap
				Waste water disposal:
				i. Inspection chamber
				ii. Septic tank
				Pipes:
				i. Soil pipe
				ii. Waste water pipe
				iii. Rain water pipe
				Sanitation fitting:
				i. Wash basin
				ii. Sink
				iii. Bath tub
				iv. Water closet
				v. Urinals
				vi. Flushing cisterns
				(06 hrs.)
Professional	Draw lighting and	53.	Layout plan of false	Lighting:
Skill 56 Hrs;	electrical layout		ceiling with lighting	Introduction of natural and
Professional	plan by using CAD.		position, dimensions and	artificial light.
			specifications. (28 hrs)	Different types of lighting
Knowledge 12 Hrs		54.	Layout of electrical plan	arrangements
12 1113			& elevation along with	i. Direct lighting
			switch board, electrical	Angular lighting
			fittings & light fittings on	Down lighting
			wall with dimension.	 Eyeball fitting
			Introduction of LAN/	 Track lighting
			CCTV/ Biometric/	 Shade lighting
			Speaker/ Smoke	ii. Indirect lighting
			Detector (28 hrs)	iii. Diffused lighting
				iv. Concealed lighting
				Varity of lamps
				i. Incandescent
				ii. Tungsten halogen
				iii. Florescent
				iv. Mercury
				v. Sodium vapour

			vi. LED
			Electrical accessories
			i. Switches & sockets with
			box
			ii. DB (distribution board)
			& MCB
			iii. Lamp holders
			iv. Ceiling roses
			(12 hrs.)
Professional	Draw air	55. Layout plan of window	Air conditioning:
Skill 28 Hrs;	conditioning layout	and Split air Conditioning	Introduction of Air Conditioning
Professional	by using CAD.	with specification. (28	Principle of Air Conditioning
Knowledge		hrs)	Types of Air Conditioning
06 Hrs			i. Window Air
001113			Conditioning
			ii. Split Air Conditioning
			iii. Centralised Air
			Conditioning
			iv. Cassette Air
			Conditioning
			(06 hrs.)
Professional	Draw commercial	Office design project: -	Planning of commercial
Skill 56 Hrs;	interiors by using	56. Layout plan (10 hrs)	interiors: -
Duefessional	CAD.	57. Elevations. (10 hrs)	Introduction of office building.
Professional		58. Necessary working	Offices-
Knowledge		details to execute the	i. Interior
12 Hrs		project smoothly. (14	designer/Architect
		hrs)	ii. Lawyer office
		59. Free hand sketch for	iii. Administration Room
		necessary details. (12	iv. Hotel waiting lounge
		hrs)	Follow design guidelines and
		60. Rendering with gradient	office space standard.
		& hatches. (10 hrs)	(12 hrs.)
		•	

Project Work: - One room estimation of interiors works.

Industrial Visit [Visit to different places for interior work and to different sites where interiors works are in progress & Necessary practical training to be carried out on site.]

SYLLABUS FOR CORE SKILLS

- 1. Workshop Calculation & Science (Common for one year course) (80 Hrs)
- 2. Employability Skills (Common for all trades) (160 Hrs)

Learning outcomes, assessment criteria, syllabus and Tool List of Core Skills subjects which is common for a group of trades, provided separately in www.bharatskills.gov.in



LIST OF TOOLS AND EQUIPMENT

INTERIOR DESIGN & DECORATION (For batch of 24 candidates)

A. FURNITURE FOR THEORY & PRACTICAL

S No.	Name of the Tools & Equipment	Specifications	Quantity
1.	Modular writing tray chairs with adjustable pad for theory class room		24 nos.
2.	Drawing Boards fixed over adjustable stand	700mm x 500mm	24+1 set
3.	Draughtsman stool with back (revolving & adjustable type)	Seat – 450mm (W) x 450mm (D) x 50mm (thick) Back rest – 400mm (W) x 350mm (Ht.) Seat Ht. Range – 600mm x 762.5mm	24 nos.
4.	Students Lockers	with 8 compartments	3 nos.
5.	Chest of Drawers		2 nos.
6.	Steel book case with lockable glass shutters		1 no.
7.	Instructor's table with glass top	700mm(L) x 500mm(W)x750mm(H)	2 nos.
8.	Instructor's arm chair		2 nos.
9.	Visitor's chair		2 nos.
10.	Steel Almirah		2 nos.
11.	Magnetic White Board	3600mmx1200mm	2 nos.
12.	Pin-up board (with or without stand)		6 nos.
13.	Working table with glass top	Size 1250mm x 950mm	2 nos.
14.	Air conditioner (split unit) for theory and practical room	2.0 tons	As required
15.	Claw hammer		2 nos.
16.	Metallic tape	30 meter long	2 nos.
17.	Display board covered with glass or acrylic sheet		2 nos.
18.	Lux meter (to measure light) (Optional)		1 no.
B. FURNI	TURE FOR CAD LAB		
19.	Desktop Computer	CPU: 32/64 Bit i3/i5/i7 or latest processor, Speed: 3 GHz or Higher. RAM:-4 GB DDR-III or Higher, Wi-Fi	24 Nos.

	Desktop Computer	CPU: 32/64 Bit i3/i5/i7 or latest	24 Nos.
19.		processor, Speed: 3 GHz or Higher.	
		RAM:-4 GB DDR-III or Higher, Wi-Fi	

		Enabled. Network Card: Integrated Gigabit Ethernet, with USB Mouse, USB Keyboard and Monitor (Min. 17 Inch. Licensed Operating System and Antivirus compatible with trade related software.	
20.	Laptop	with latest configuration pre-loaded with operating system	2 Nos.
21.	Drafting Software: AutoCAD	Educational Version (Free downloadable)	25 Nos.
22.	Anti Virus Software	,	As required
23.	Other software – Corel DRAW, PHOTOSHOP etc.		As required
24.	Steel almirah		2 Nos.
25.	A3 size Colored Laser Jet, duplex, Scanner cum printer (multifunctional)	Latest Configuration	1 No.
26.	UPS online		As required
27.	Computer Table		24 Nos.
28.	Trainees chair with arm		24 Nos.
29.	Instructor's Lab table		1 No.
30.	Instructor's chair with arm		2 Nos.
31.	Book shelf with glass shutters		1 No.
32.	Air conditioner (split type) for CAD lab	2.0 tons	2 Nos.
33.	LAN connectivity		As per requirement
34.	Internet connection Wi-Fi		1 No.
35.	Visualizer with accessories (with latest configuration)		1 No.
36.	Vacuum Cleaner		1 No.
37.	Fire Extinguisher		1 No.
38.	Shoe rack		1 No.
39.	Wall clock		1 Nos.
C. AUDIO	VISUAL AIDS		
40.	LED Projector latest model with white screen		1 No.
41.	Interactive Board with complete accessories		1 No.

42.	Adjustable set square with	30 cm	24 + 1 sets
43.	beveled edge Compass with Long arm & pen holder		24 + 1 No.
44.	Protractor	15 cm	24 + 1 No.
45.	Calligraphy pens /Graphic Pens / Ink / Stencil	25 5	As per requiremen
46.	Roll-n-draw roller scale	30 cm long	24+1 Nos.
47.	Triangular Scale (feet/ inch, metric)	30 cm	24+1 Nos
48.	Clutch pencil	0.5mm, 0.2 mm, 2mm./drawing pencil (H, HB, B)	24+1 Nos
49.	Pencil Sharpener, Adjustable	, , ,	5 Nos.
50.	M.D / Parallel Bar / T scale - 750 mm long		24+1 Nos
51.	Plastic French Curve with ink edge - set of 12		4 sets
52.	Furniture template 1:50, 1:100,1:200		24+1Nos
53.	Circular and oval template		24+1Nos
54.	Pen Drive		As per requireme
55.	Directional Magnetic Compass		24+1 Nos
56.	Metric Tape-5M	3mt., 5mt., long	24+1 Nos
57.	Erasing shield small & Big sizes		24+1 Nos
58.	Metallic tape/ Fiber Glass Measuring Tape	30mt., 60mt. long	02 No.
59.	Calculator Scientific		05 Nos.
60.	Beam Compass with pen holder (rotring/ steadler made)		02 Nos.
61.	Flexi curve	80 cm	04 Nos.
62.	Measure Distance Meter LCD Digital Laser Pointer Measurer Tool		02 Nos.
63.	Electronic Glue gun		05 Nos.
64.	Hand drill machine		02 Nos.
MODEI	LS AS TEACHING AIDS		
65.	Geometrical shapes		As per requireme
			1 (6())))(6)



	landing	requirement
67.	Door Windows with frame	As per
07.		requirement
68.	Wooden Carpentry Joints	As per
06.		requirement
69.	Carpentry & Painting Tools	As required

Note:

- 1. All the hand tools mentioned under Sl. No. 42 to 57 would be issued to Trainees once during their course and to be treated as consumables.
- 2. The quantities of hand Tools may be increased accordingly based on the No. of Trainees on roll (including the Strength of Additional Unit, if any).
- 3. In addition to the list, small measuring tapes, Drawing Sheet, Tracing Paper, Butter Sheet, Color Pencils, Pencil (of various grades), Pencil Leads, Cello tape, Eraser and any other Raw Materials would be issued as per the requirement and will be considered as consumable items.
- 4. Internet facility is desired to be provided in the class room.



The DGT sincerely acknowledges contributions of the Industries, State Directorates, Trade Experts, Domain Experts, trainers of ITIs, NSTIs, faculties from universities and all others who contributed in revising the curriculum. Special acknowledgement is extended by DGT to the following expert members who had contributed immensely in this curriculum.

List of Expert Members contributed/ participated for finalizing the course curriculum of Interior Design and Decoration. The Trade Committee Meeting held on 03.05.2017 at CSTARI. Kolkata.

CSTAR	CSTARI, Kolkata.			
S No.	Name & Designation Sh/Mr/Ms	Organization	Mentor Council Designation	
1.	SANJAY KUMAR Joint Director of Trg.	CSTARI, Kolkata	Chairman	
2.	SUMAN CHAKRABORTY, Interior Designer	DERA, 152/1, Santoshpur Avenue, Kolkata - 700075	Member	
3.	PINAKI BYSACK, Interior Designer	Archon Enterprise, 14/3-A, Sovaram Bysack Street, Kolkata	Member	
4.	MONTU SHAW, Interior Designer	BSS Design & Interior Pvt. Ltd., 191 B, Chetla hat Road, Kolkata	Member	
5.	SIKHA PAL, Architect	Abode Consultant, Salt Lake, Kolkata	Member	
6.	R.N. BANDYOPADHYAY, Consultant	TET & SD Dept. Govt. of West Bengal	Member	
7.	HARI CHANDA DEVI PAL, Vocational Instructor	RVTI, Panipat	Member	
8.	JYOTI TAMRAKAR, Vocational Instructor (IDD)	RVTI, Kolkata	Member	
9.	L. K. MUKHERJEE Dy. Director of Trg.	CSTARI, Kolkata	Member	
10.	NIRMALYA NATH Asst. Director of Trg.	CSTARI, Kolkata	Member	
11.	R.N. MANNA, Training Officer	CSTARI, Kolkata	Member cum Co-coordinator	



List of the organizations/Experts validated the course curricula of Interior Design & Decoration trade revised on 03 rd May 2017 at CSTARI, Kolkata			
S No.	Organization/ Experts		
1.	ESAR ENGINEERING CO. FE – 7, Salt Lake, Sector – III, Kolkata - 700106		
2.	ARCHITECT KESHAV SINGH, 572, Sai Kripa Colony, Indore		
3.	VIMA – The Dimension, Divya Pandey, Senior Architect		
4.	Mrs. Snehal Mehta, MD & Chairman, NATIONAL INSTITUTE OF DESIGN, Ahmedabad - 09		
5.	Mrs. Ratna Saxena, Interior Designer, RIMSNEY STYLO INTERIORS, Delhi - 92		
6.	Mr. Vineet Kumar Arya, Lecturer, S.D. POLYTECHNIC, Muzaffarnagar		
7.	Heena Ali Khan, Joint Secretary Pan Asia Academics, EXTERIOR INTERIOR LIMITED		

ABBREVIATIONS

CTS	Craftsmen Training Scheme
ATS	Apprenticeship Training Scheme
CITS	Craft Instructor Training Scheme
DGT	Directorate General of Training
MSDE	Ministry of Skill Development and Entrepreneurship
NTC	National Trade Certificate
NAC	National Apprenticeship Certificate
NCIC	National Craft Instructor Certificate
LD	Locomotor Disability
СР	Cerebral Palsy
MD	Multiple Disabilities
LV	Low Vision
НН	Hard of Hearing
ID	Intellectual Disabilities
LC	Leprosy Cured
SLD	Specific Learning Disabilities
DW	Dwarfism
MI	Mental Illness
AA	Acid Attack
PwD	Person with disabilities



