



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- 3.5



SECTOR – CONSTRUCTION





INTERIOR DESIGN & DECORATION

(Engineering Trade)

(Revised in March 2023)

Version: 2.0

CRAFTSMEN TRAINING SCHEME (CTS)

NSQF LEVEL – 3.5

Developed By

Ministry of Skill Development and Entrepreneurship

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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 ______ 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. TRAINING SYSTEM



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 (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 job.
- 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 st Year
1	Professional Skill (Trade Practical)	840
2	Professional Knowledge (Trade Theory)	240
3	Employability Skills	120
	Total	1200

Every year 150 hours of mandatory OJT (On the Job Training) at nearby industry, wherever not available then group project is mandatory.

On the Job Training (OJT)/ Group Project	150
Optional Courses (10th/ 12th class certificate along with ITI certification	240
or add on short term courses)	

Trainees of one-year or two-year trade can also opt for optional courses of up to 240 hours in each year for 10th/ 12th class certificate along with ITI certification, or, add on short term courses.

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%.

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 some of 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
- Computer based multiple choice question examination
- Practical Examination

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 for formative assessment:

Performance Level	Evidence
(a) Marks in the range of 60 -75% to be allotted du	iring assessment
For performance in this grade, the candidate	• Demonstration of good skill in the use of hand
should produce work which demonstrates	tools, machine tools and workshop
attainment of an acceptable standard of	equipment.
craftsmanship with occasional guidance, and due	 60-70% accuracy achieved while undertaking
regard for safety procedures and practices.	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) Marks in the range of above 75% - 90% to be a	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. (c) Marks in the range of above 90% to be allotted	 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 component/job. A good level of neatness and consistency in the finish Little support in completing the project/job.
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.

3. JOB ROLE



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

Reference NOS:-

i.	IES/N9401	xii.	SSC/N3022
ii.	CSC/N9401	xiii.	CON/N9444
iii.	CSC/N9402	xiv.	CON/N9402
iv.	PCS/N9433	xv.	CON/N9404
v.	CON/N9443	xvi.	FFS/N9414
vi.	CON/N9416	xvii.	IES/N9407
vii.	CON/N9417	xviii.	CON/N9445
viii.	CON/N9406	xix.	CON/N9425
ix.	HCS/N9421	xx.	ELE/N3114
х.	HCS/N5202	xxi.	CON/N9421
xi.	CON/N9405		

4. GENERAL INFORMATION

Name of the Trade	Interior Design & Decoration
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NCO - 2015	3432.0100, 3432.0200, 2163.0400
NSQF Level	Level – 3.5
NOS Covered	IES/N9401, CSC/N9401, CSC/N9402, PCS/N9433, CON/N9443, CON/N9416, CON/N9417, CON/N9406, HCS/N9421, HCS/N5202, CON/N9405, SSC/N3022, CON/N9444, CON/N9402, CON/N9404, FFS/N9414, IES/N9407, CON/N9445, CON/N9425, ELE/N3114, CON/N9421
Duration of Craftsmen Training	One Year (1200 hours + 150 hours OJT/Group Project)
Entry Qualification	Passed 10th class examination with Science and Mathematics or with vocational subject in same sector 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 Regular / RPL variants of National Craft Instructor Certificate (NCIC) 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 qualifications. However, both of them must possess NCIC in any of its variants.
(ii) Workshop Calculation & Science	B.Voc/Degree in Engineering from AICTE/UGC recognized Engineering College/ university with one-year experience in the relevant field. OR



List of Tools & Equipment	As per Annexure-I
(v) Minimum Age for Instructor	21 Years
	in Employability Skills.
	Existing Social Studies Instructors in ITIs with short term ToT Course
	Computer at 12th / Diploma level and above) OR
	(Must have studied English/ Communication Skills and Basic
Skill	experience with short term ToT Course in Employability Skills.
(iv) Employability	MBA/ BBA / Any Graduate/ Diploma in any discipline with Two years'
	OR Regular/RPL variants NCIC in RoDA or any of its variants under DGT
	relevant trade
	Regular / RPL variants of National Craft Instructor Certificate (NCIC) in
	Essential Qualification:
	trades with three years' experience.
	NTC/ NAC in any one of the engineering/ Draughtsman group of
	OR
	technical education or relevant Advanced Diploma (Vocational) from DGT with two years' experience in the relevant field.
	03 years Diploma in Engineering from AICTE / recognized board of
Drawing	College/ university with one-year experience in the relevant field.
(iii) Engineering	B.Voc/Degree in Engineering from AICTE/UGC recognized Engineering
	Regular / RPL variants NCIC in RoDA or any of its variants under DGT
	relevant trade OR
	Regular / RPL variants of National Craft Instructor Certificate (NCIC) in
	Essential Qualification:
	experience.
	NTC/ NAC in any one of the engineering trades with three years'
	OR
	technical education or relevant Advanced Diploma (Vocational) from DGT with two years' experience in the relevant field.
	03 years Diploma in Engineering from AICTE / recognized board of

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

- 1. Appraise the importance of interior designing & drawing instruments, drawing sheets, lettering following safety precautions. (NOS: IES/N9401, CSC/N9402)
- 2. Draft the Geometrical shapes and projection with the help of engineering scale and free hand sketches. (NOS: CSC/N9401)
- 3. Draft the design with the help of colour scheme and apply with rules and calculations. Analysis and uses of building materials. (NOS: PCS/N9433)
- 4. Draw furniture designing & detailing. (NOS: CON/N9443)
- 5. Draw residential plan with necessary working drawing. (NOS: CON/N9416, CON/N9417)
- 6. Draw different types of staircase. (NOS: CON/N9406)
- 7. Apply basic knowledge of structural part of building. (NOS: HCS/N9421)
- 8. Draw doors and windows & details. (NOS: HCS/N5202)
- 9. Draw one- and two-point's perspective view. (NOS: CON/N9405)
- 10. Prepare the power point presentation with animation. (NOS: SSC/N3022)
- 11. Create object on 2D using tool bars, commands. (NOS: HCS/N5202)
- 12. Draw different types of false ceiling by using CAD. (NOS: CON/N9444)
- 13. Draw different types of flooring by using CAD. (NOS: CON/N9402)
- 14. Draw different types of carpentry joints by using CAD. (NOS: CON/N9404)
- 15. Analyse and uses of paints, polish and varnish. (NOS: FFS/N9414, IES/N9407)
- 16. Draw different types of partition wall by using CAD. (NOS: CON/N9445)
- 17. Draw plumbing and drainage detail & sanitary fittings by using CAD. (NOS: CON/N9425)
- 18. Draw lighting and electrical layout plan by using CAD. (NOS: CON/N9425)
- 19. Draw air conditioning layout by using CAD/other using software. (NOS: ELE/N3114)
- 20. Draw commercial interiors by using CAD/other using software. (NOS: CON/N9421)
- 21. Demonstrate basic mathematical concept and principles to perform practical operations. Understand and explain basic science in the field of study. (NOS: CSC/N9402)

6. ASSESSMENT CRITERIA



		ASSESSMENT CRITERIA
1.	Appraise the	Appraise the importance of interior designing in socio economic
	importance of interior	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.
	(NOS: IES/N9401,	Employ & use the lettering.
	CSC/N9402)	
2.	Draft the Geometrical	Explain the ISI and code of practice for interior design &
۷.	shapes and projection	drawing.
	with the help of	Understand & apply engineering scale in drawing.
	engineering scale and	Draw Geometrical shapes of solids.
	free hand sketches.	· · · · · · · · · · · · · · · · · · ·
	(NOS: CSC/N9401)	Draw projections and view.
	(1003. 030/103401)	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.
	Analysis and uses of	
	building materials.	
	(NOS: PCS/N9433)	
4.	Draw furniture	Homologation of different types of furniture.
4.		
	designing & detailing. (NOS: CON/N9443)	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.
	(NOS: CON/N9416,	
	CON/N9417)	
6.	Draw different	Distinguish different types of staircase.
	types of	Draw staircase drawing with sectional detail.



	(NOS: CON/N9406)	
		•
7.	Apply basic knowledge of structural part of building. (NOS: HCS/N9421)	Appraise different types of load bearing portion of a structure.
8.	Draw doors and windows & details.	Appraise and apply different types of doors, windows and ventilators.
	(NOS: HCS/N5202)	Draw door & windows with sectional detail.
		Illustrate the requirement of the doors & window locations.
9.	Draw one- and two- point's perspective view. (NOS: CON/N9405)	Illustrate & draw the different types of perspective views.
10.	Prepare the power point presentation with	Demonstrate and apply different types of command on Power Points Presentation.
	animation. (NOS: SSC/N3022)	Prepare the PPT with animation
11.	Create object on 2D	Demonstrate and apply the different types of command on 2D.
	using tool bars, commands. (NOS:	Demonstrate use of tool bars, commands, menus, formatting layers, and styles etc.
	HCS/N5202)	Prepare drawing in 2D software.
12.	Draw different types of	Illustrate application of different types of ceiling and levels.
	false ceiling by using CAD. (NOS: CON/N9444)	Execute the layout and material knowledge.
		•
13.	Draw different types of flooring by using CAD.	Appraise the flooring material according to place/site requirement.
	(NOS: CON/N9402)	Recognize and apply flooring material according to colour scheme, thickness and graphic symbols.
14.	Draw different types of carpentry joints by	Appraise the requirement and importance of joints in furniture or other places.
		Draw joint details.



	using CAD. (NOS: CON/N9404)	
15.	Analyse and uses of paints, polish and varnish. (NOS: FFS/N9414, IES/N9407)	Illustrate & recognize paints, polish, varnishes and their uses, types, method. Appraise techniques which are used.
16.	Draw different types of partition wall by using CAD. (NOS: CON/N9445)	Explain different types of wall, partition wall.
		Recognize material property those are used in partition.
		Prepare working drawing of partition wall.
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17.	Draw plumbing and	Appraise the plumbing and sanitation and their
	drainage detail &	purpose/Requirement.
	sanitary fittings by	Illustrate types of plumbing & sanitation system.
	using CAD. (NOS: CON/N9425)	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. (NOS: CON/N9425)	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	Functional knowledge of types of air conditioning.
	CAD/other software.	Recognizing and applying of the proper air conditioning system
	(NOS: ELE/N3114)	suitable for a space.
20.	Draw commercial	Appraise dimension, circulation and layout.
	interiors by using CAD.	Execute ideas arithmetically in plan.
	(NOS: CON/N9421)	Demonstrate planning elements.
		Draw Free hand sketches and 3D views.
		Coluc different methometical problems
		Solve different mathematical problems



21. Demonstrate basic	Explain concept-t of basic science related to the field of study
mathematical concept	
and principles to	
perform practical	
operations. Understand	
and explain basic	
science in the field of	
study. (NOS:	
CSC/N9402)	
	·

7. TRADE SYLLABUS



SYLLABUS FOR INTERIOR DESIGN & DECORATION			
	DURATION: ONE YEAR		
Duration	Reference Learning Outcome	Professional Skills (Trade Practical)	Professional Knowledge (Trade Theory)
Professional Skill 10 Hrs. Professional Knowledge 06 Hrs.	Appraise the importance of interior designing & drawing instruments, drawing sheets, Lettering following safety precautions.	 Familiarization with the trade & institute. Importance of trade training. Uses of tools, equipments& instruments. Free hand sketches of objects. Recognize & Layout of drawing sheet including title card as an example portrait & landscape. Importance of Lettering with the help of single stroke Gothic Letter. 	Importance OF TRADE & necessity of interior designing. In industry Interior design as a profession Modern interior design feature Introduction of tools and equipments, and raw material their used, like drafting board, T scale mini drafter (M.D.), Set Square etc. pencilletc
Professional Skill 34 Hrs. Professional Knowledge 10 Hrs.	Draft the Geometrical shapes and projection with the help of engineering scale and free hand sketches.	 Draw different types of lines by Free hand. Introduce the scale MKS and FPS for making the drawing. Draw the simple composition of geometrical object with help of scale. Draw the simple exercise using lines in different angles. Draft the plan, elevation & sectional elevation & isometric view of geometrical solids. Regular, Irregular shapes. 	Introduction to Indian Standards Institution Code of practice for general interior drawing. Introduction & Importance of lines • Continuous thick & thin line • Dashed thin line • Cutting plan line • Long & short break line Chain thick line Basic knowledge of geometrical shapes & lines. Definition of projection Types of projection Parallel projection



		 Cube Cuboids Triangular prism Cylinder Pyramid Hexagonal prism Hexagonal Pyramid Cone 12. Free hand sketches of graphic symbols. 	 Oblique Orthographic Axonometric Isometric Definition: - Layout of plan Elevation (Front & side elevation)
Professional Skill 50 Hrs. Professional Knowledge 12 Hrs.	Draft the design with the help of color scheme and apply with rules and calculations. Analysis and uses of building materials.	 Functional designing of interiors: 13. How to make design: - Flow of circulation chart (Bubble diagram) Concept of design, pattern, colour Designing of space with furniture layout 14. Design knowledge of interior in residential & commercial. Basic layout plan. Elevation. 15. Free hand sketches of Graphic symbols for landscape and building materials. 16. Rendering with pencil and pencil colour.	 Principle of elements and interior design: Introduction of basic interior design. Elements- example: line, etc. Principle of design example: balance, emphasis etc. Colors: Types of color schemes based on the color wheel. triad colour scheme: a) Primary. b) Secondary. c) Tertiary. related colour scheme: a) Analogues. b) Monochromatic. c) Achromatic. d) Neutral. contrasting: a) Complementary. b) Split complementary. c) Double split d) Complementary. e) Cool colour, warm colour.



Professional Skill 48Hrs. Professional Knowledge 10 Hrs.	Draw furniture designing & detailing.	 Furniture design and detail: 17. Residential furniture. Table, chair, sofa, cabinet, bed, wardrobe, dining table, wall unit. 18. Commercial furniture. Executive table/ office table, Reception table, cabinet storage, Display unit. : Note: Necessary practical training will be carried out on site. 19. Free hand sketches of graphic symbol of furniture 	Understand the psychological affects by different colours on different person and places. Introduction of Graphic symbols in interior. Understand impartance of building materials Furniture design: Furniture styles: • Traditional/classic style. • Ethnic style. • Contemporary style. Types of furniture: • Daily uses furniture • Loose carpentry furniture. • Fixed carpentry furniture. • Multi-utility storage • Open & closed storage Importance of anthropometric and ergonomics.
Professional Skill 100Hrs. Professional Knowledge 23Hrs.	Draw residential plan with necessary working drawing.	 Drafting of Residential Plan (Any Room): 20. Concept plan with circulation flow (Bubble Diagram). 21. Basic furniture layout plan with working drawing. 22. Wall elevation with dimension and specification. 23. Necessary details. 24. Rendering the plan & elevations. 	Planning of Interiors: Space selection for circulation and furniture. Selection of furniture according to functional space. Uses of furniture templates.
Professional Skill 28 Hrs.	Draw different types of staircase.	25. Prepare drawing with technical details of the R.C.C. Stair case.Straight Staircase.	Stair case: Requirement and placement of good Staircase.



Professional		Open newel	Basic terminology of R.C.C.
Knowledge		Staircase.	Staircase.
06 Hrs.		 Dog legged 	Types of Staircase.
		Staircase.	• Straight.
		 Bifurcated 	Quarter turn
		Staircase.	• Half turn (Dog
		26. Calculation of Staircase	legged)
		(tread and riser).	• Three quarter turn
		27. Model of staircase	Bifurcated
			Open newel.
			Geometrical
			Circular
			• Spiral.
			Model of Staircase: -
			Demonstration of R.C.C.
			Staircase with the help of
			respective models.
Professional	Apply basic	Preparing drawing:	Basic knowledge & importance
Skill 36 Hrs.	knowledge of	28. Basic concept of section of	in PPT/video presentation
	structural part of	a building through toilet &	Mezzanine floor
Professional	building.	balcony introducing the	a) Temporary
Knowledge		beam & column. and	b) Semi permanent
06 Hrs.		kitchen	Stone masonry & types
		29. Preparing of drawings	Brick masonry & bonds
		i)types of brick bond	Stretcher bond
		ii) English and Flemish	Header bond
		bond	 English bond
		iii) lintals& arches	 Flemish bond
		iv) foundation drawing	 Raking bond
			 Zigzag bond
			Lintels & types
			Arches & types and
			terminology
			foundation
Professional	Draw doors and	30. Model of Door window: -	Wooden Doors & Windows
Skill 48 Hrs.	windows & details.	Demonstrate doors and	Introduction of hardware
Professional		windows with the help of	fitting in door & windows with
Knowledge		respective models.	dimension
12 Hrs.		31. Preparing of plan,	Types of Doors
		elevation & section of	Batten and ledged door



		 door Panelled door Glazed or sash Flush door 32. Preparing of plan, elevation & section of window. Casement window with ventilator (wooden) Sash window (wooden) Sliding window (aluminium) 33. Free hand sketches of graphic & symbols for doors and windows 	 Framed and panelled door Glazed or sash door Flush door Louvered door Wire gauged door Revolving Sliding (Aluminium) Swing door/ floor spring door Placement of door & windows regarding circulation of space Definition of technical terms of doors & window Size of doors & windows, ventilators Types of windows Fixed window Casement window Sliding window Sash window Sash window Corner window Bay window Corner window Gable window Sky light window Fixture and fastening a) hinges, b) bolts, c) handles d) locks
Professional	Draw one and two	Preparation of drawing	Projection
Skill 30 Hrs.	points perspective	34. Draft one-point	Perspective projection
Professional	view.	perspective view with	definition
Knowledge		approximate method (any room).	 1 point 2 point
10Hrs.		35. Render the perspective	2 point 2 noint
		view with any medium.	• 3 point
		view with any methum.	(Describe the one-point
			perspective with approximate method)



			 Definition Ground plane Station point Picture plane Horizontal plane Ground line Horizontal line or eye level Vanishing point
Professional	Prepare power	Computer & drawing	Knowledge of Computer and
Skill 46 Hrs.	point presentation	software	software
Professional Knowledge 12 Hrs.	with animation.	 36. Installation and use of software i.e. Coral Draw, Photoshop and Sketch up, 3D's Max with V-ray and Luminous Prepare the power point still presentation. 37. Prepare the power point animated presentation. 	Microsoft Power point, commands and their uses. Basic introduction of 3 DMax
Professional	Create object on	2D Software training-	Preliminary Drawing in AUTO
Skill 110Hrs.	2D using tool bars,	38. Installation of AUTOCAD	CAD
Professional Knowledge 23 Hrs.	commands.	software. 39. Elementary commands and menus of AUTOCAD software. 40. Drawing practice on AUTOCAD software. Drawing practice on AUTO CAD or other software	 i) 2D commands and use of different menus. ii) Concept of 2D drawing. iii) Concept of rendering.
Professional Skill 40 Hrs. Professional Knowledge 10 Hrs.	Draw different types of false ceiling by using CAD.	 41. Preparing of drawing with AUTOCAD and user software 42. Installation and uses of software i.e. coral drawing, photoshop and sketches up 30 s mac with v. raganflumion 	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 Grid Coffered Cove



		43. 40.drawing practice on	• Plain
		AUTOCAD and other	Finishing materials used for
		software	false ceiling.
		44. Design a false ceiling in a	Laminate, veneer, stone, glass,
		room.	acrylic sheet, MDF, paints, wall
		45. Specify the level and	paper, fabric, stainless steel,
		section and finishing	wood.
		material (laminate,	
		veneer, paints).	
Professional	Draw different	Preparing of drawing with	Types of floor finishing
Skill 40 Hrs.	types of flooring by	AUTOCAD and user	• Stone
Professional	using CAD.	software	• Marble
Knowledge		46. Design a flooring pattern	Mosaic
10 Hrs.		with finishing material	• Vinyl
10		(Marble, Vitrified tile, PVC.	Vitrified tiles
		Laminated).	Ceramic tiles
		47. Specify the starting point	• PVC
		of flooring and Specify the	Carpet
		dimension & sizes.	Laminated
			• Glass
Professional	Draw different	Drafting simple joints used in	Carpentry joints
Skill 36 Hrs.	types of carpentry	furniture	Types of joints
Professional	joints by using CAD.	48. Drafting details drawing of	Butt joint
PLOTESSIONAL			
		different types of joints.	 Mitre joint
Knowledge		different types of joints. 49. Draft a sheet of door/	Mitre jointLap joint
		<i>,,, ,</i>	-
Knowledge		49. Draft a sheet of door/ window/ chair/ table/ bed (any one)	• Lap joint
Knowledge		 49. Draft a sheet of door/ window/ chair/ table/ bed (any one) 50. Model of carpentry joints. 	Lap jointMortise and Tenon joint
Knowledge		 49. Draft a sheet of door/ window/ chair/ table/ bed (any one) 50. Model of carpentry joints. Demonstration of Stair 	 Lap joint Mortise and Tenon joint Tounge and groove
Knowledge		 49. Draft a sheet of door/ window/ chair/ table/ bed (any one) 50. Model of carpentry joints. Demonstration of Stair Case with the help of 	 Lap joint Mortise and Tenon joint Tounge and groove joint
Knowledge		 49. Draft a sheet of door/ window/ chair/ table/ bed (any one) 50. Model of carpentry joints. Demonstration of Stair 	 Lap joint Mortise and Tenon joint Tounge and groove joint Housed joint
Knowledge		 49. Draft a sheet of door/ window/ chair/ table/ bed (any one) 50. Model of carpentry joints. Demonstration of Stair Case with the help of 	 Lap joint Mortise and Tenon joint Tounge and groove joint Housed joint Cross joint
Knowledge		 49. Draft a sheet of door/ window/ chair/ table/ bed (any one) 50. Model of carpentry joints. Demonstration of Stair Case with the help of 	 Lap joint Mortise and Tenon joint Tounge and groove joint Housed joint Cross joint Joints used in furniture
Knowledge	Analyse and uses of	 49. Draft a sheet of door/ window/ chair/ table/ bed (any one) 50. Model of carpentry joints. Demonstration of Stair Case with the help of 	 Lap joint Mortise and Tenon joint Tounge and groove joint Housed joint Cross joint Joints used in furniture Joints used in doors/ windows/
Knowledge 10 Hrs.	Analyse and uses of paints polish and	 49. Draft a sheet of door/ window/ chair/ table/ bed (any one) 50. Model of carpentry joints. Demonstration of Stair Case with the help of respective models 	 Lap joint Mortise and Tenon joint Tounge and groove joint Housed joint Cross joint Joints used in furniture Joints used in doors/ windows/ ventilators.
Knowledge 10 Hrs. Professional Skill 20 Hrs.	•	 49. Draft a sheet of door/ window/ chair/ table/ bed (any one) 50. Model of carpentry joints. Demonstration of Stair Case with the help of respective models 	 Lap joint Mortise and Tenon joint Tounge and groove joint Housed joint Cross joint Joints used in furniture Joints used in doors/ windows/ ventilators.
Knowledge 10 Hrs. Professional Skill 20 Hrs. Professional	paints polish and	 49. Draft a sheet of door/ window/ chair/ table/ bed (any one) 50. Model of carpentry joints. Demonstration of Stair Case with the help of respective models Generate Power Point Presentation for Paint, Polish	 Lap joint Mortise and Tenon joint Tounge and groove joint Housed joint Cross joint Joints used in furniture Joints used in doors/ windows/ ventilators. Paints and polishing/varnishing:
Knowledge 10 Hrs. Professional Skill 20 Hrs. Professional Knowledge	paints polish and	 49. Draft a sheet of door/ window/ chair/ table/ bed (any one) 50. Model of carpentry joints. Demonstration of Stair Case with the help of respective models Generate Power Point Presentation for Paint, Polish and Varnish - 51. Practicing processes & techniques of paints,	 Lap joint Mortise and Tenon joint Tounge and groove joint Housed joint Cross joint Joints used in furniture Joints used in doors/ windows/ ventilators. Paints and polishing/varnishing: What is paint
Knowledge 10 Hrs. Professional Skill 20 Hrs. Professional	paints polish and	 49. Draft a sheet of door/ window/ chair/ table/ bed (any one) 50. Model of carpentry joints. Demonstration of Stair Case with the help of respective models Generate Power Point Presentation for Paint, Polish and Varnish - 51. Practicing processes &	 Lap joint Mortise and Tenon joint Tounge and groove joint Housed joint Cross joint Joints used in furniture Joints used in doors/ windows/ ventilators. Paints and polishing/varnishing: What is paint Types of paints



			r,
		52. Recognize the tool &	• Ероху
		equipment and their uses.	Nitro Cellulose
		53. Estimate quantity of	Metallic
		materials used on surface	Texture
		and labour cost.	Lime wash
			Exterior paint
		NOTE: - necessary practical	Painting techniques
		training will be carried out on	• By Brush
		site.	By Roller
			 By spray gun
			Paintings defeats and
			remedies.
			Introduction of polish and
			varnish:
			Method of preparation and
			types of polish on wood.
			Types of varnishes:
			• Oil
			• Spirit
			Turpentine
			Melamine
			• PU (polyurethane)
Professional	Draw different	54. Design the full height and	Partition wall:
Skill 36 Hrs.	types of partition	low height partition wall	Introduction of partition wall
	wall by using CAD.	with different construction	Property of a good partition
Professional		and finishing materials.	wall
Knowledge		55. Draft Plan, sectional plan,	Types of partition wall
10 Hrs.		front elevation and section	Brick partition
		with specification and	Glass partition
		dimension.	• Timber or wooden
			partition
			Aluminium partition
Professional	Draw plumbing and	56. Layout the	Plumbing:
Skill 28 Hrs.	drainage details	plumbing/drainage	Purpose and principle of house
	and sanitary	/Sanitary plan and	drainage.
Professional	fittings by using	sectional elevation.	Types of Drainage plumbing
Knowledge	CAD.	57. Make Top plan, side	system
06 Hrs.		elevation, and front	• One pipe system
		elevation of all sanitary	• Single stack system
			~ /



		plumbing fittings with	Single stack (partially
		dimension.	ventilated system)
		58. Free hand sketches of	Two pipe system
		graphic symbols for	Sanitation:
		plumbing and sanitary	Traps
			Gully trap
			Intercepting trap
			Grease trap
			Floor trap or Nahni trap
			Waste water disposal:
			Inspection chamber
			Septic tank
			Pipes:
			Soil pipe
			Waste water pipe
			Rain water pipe
			Sanitation fitting:
			Wash basin
			Sink
			Bath tub
			Water closet
			Urinals
			Flushing cisterns
Professional	Draw lighting and	59. Layout plan of false ceiling	Lighting:
Skill 36 Hrs.	electrical layout	with lighting position,	Introduction of natural and
	plan by using CAD.	dimensions and	artificial light.
Professional		specifications.	Different types of lighting
Knowledge		60. Layout of electrical plan &	arrangements
10 Hrs.		elevation along with	Direct lighting
		switch board, electrical	 Angular lighting
		fittings & light fittings on	 Down lighting
		wall with dimension.	 Eyeball fitting
		61. Free hand sketches of	 Track lighting
		graphic symbols for	 Shade lighting
		electrical	Indirect lighting
			 Diffused lighting
			Concealed lighting
			Varity of lamps
			 Incandescent
			Tungsten halogen



Professional Skill 36 Hrs.Draw commercial interiors by using CAD, otherOffice design project: - 63. Layout plan and Elevations.Planning of commercial interiors: -Professional Knowledge 10 Hrs.CAD, other63. Layout plan and Elevations.Introduction of office building.10 Hrs.64. Necessary working details to execute the project smoothly.Offices- Interior10 Hrs.65. Free hand sketch for necessary details.Interior designer/Architect66. Rendering with gradient & hatches.66. Rendering with gradient & office space standard.Worksworkstor & Science: 32 Hrs.	Professional Skill 28 Hrs. Professional Knowledge 06 Hrs.	Draw air conditioning layout by using CAD/other software.	62. Layout plan of window and Split air Conditioning with specification.	 Florescent Mercury Sodium vapour LED Electrical accessories Switches & sockets with box DB (distribution board) & MCB Lamp holders Ceiling roses Introduction of LAN/ CCTV/ Biometric/ Speaker/ Smoke Detector Air conditioning: Introduction of Air Conditioning Principle of Air Conditioning Types of Air Conditioning Window Air Conditioning Split Air Conditioning Split Air Conditioning Centralised Air Conditioning Cassette Air Cassette Air
Skill 36 Hrs.interiors by using CAD, other software.63. Layout plan and Elevations.interiors: - Introduction of office building.Professional Knowledge 10 Hrs.CAD, other software.64. Necessary working details to execute the project smoothly.Offices-10 Hrs.65. Free hand sketch for necessary details Elevations Interior designer/Architect66. Rendering with gradient & hatches Follow design guidelines and office space standard.	Drofossions	Drow commercial	Office design projects	Conditioning
Workshop Calculation & Science: 32 Hrs.	Skill 36 Hrs. Professional Knowledge	interiors by using CAD, other	 63. Layout plan and Elevations. 64. Necessary working details to execute the project smoothly. 65. Free hand sketch for necessary details. 66. Rendering with gradient & 	 interiors: - Introduction of office building. Offices- Interior designer/Architect Lawyer office Administration Room Hotel waiting lounge Follow design guidelines and
		Work	shop Calculation & Science: 32 H	Irs.



Interior Design & Decoration

Professional	Demonstrate basic	WORKSHOP CALCULATION & SCIENCE:
Knowledge	mathematical	Unit, Fractions
WCS- 32 Hrs.	concept and	Classification of unit system
	principles to	Fundamental and Derived units F.P.S, C.G.S, M.K.S and SI units
		Measurement units and conversion
	perform practical	Factors, HCF, LCM and problems
	operations.	Fractions - Addition, substraction, multiplication & division
	Understand and	Decimal fractions - Addition, subtraction, multilipication &
	explain basic	division
	science in the field	Solving problems by using calculator
	of study.	Square root, Ratio and Proportions, Percentage
	,	Square and suare root
		Simple problems using calculator
		Applications of pythagoras theorem and related problems
		Ratio and proportion
		Ratio and proportion - Direct and indirect proportions
		Percentage
		Precentage - Changing percentage to decimal and fraction
		Material Science
		Types metals, types of ferrous and non ferrous metals
		Physical and mechanical properties of metals
		Properties and uses of rubber, timber and insulating materials
		Basic Electricity
		Introduction and uses of electricity, electric current AC,DC their
		comparison, voltage, resistance and their units
		Conductor, insulator, types of connections - series and parallel
		Mensuration
		Area and perimeter of square, rectangle and parallelogram
		Area and perimeter of Triangles
		Area and perimeter of circle, semi-circle, circular ring, sector of
		circle, hexagon and ellipse
		Surface area and volume of solids - cube, cuboid,
		Finding the lateral surface area, total surface area
		Levers and Simple machines
_		Lever & Simple machines - Lever and its types
-	: - One room estimation	on 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.]

Note: - Trainers training on sketch -up and 30s max. and photoshop and coral draw is required as per need.



SYLLABUS FOR CORE SKILLS

1. Employability Skills (Common for all CTS trades) (120 Hrs.)

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



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ANNEXURE-I

LIST OF TOOLS AND EQUIPMENT			
INTERIOR DESIGN & DECORATION (For batch of 24 candidates)			
A. FURNI	TURE FOR THEORY & PRACTICAL		
S No.	Name of the Tools & Equipment	Specifications	Quantity
	Modular writing tray chairs with		24 NOS.
1.	adjustable pad for theory class		
	room		
2.	Drawing Boards fixed over adjustable stand	900mm x 600mm	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	1800mm(L) x 900mm(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. CAD LA	B EQUIPMENTS		
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 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.	24 NOS.
20.	3D Printer	Basic Standard	1 No.
21.	Laptop	with latest configuration pre-loaded with operating system	2 NOS.
22.	Drafting Software: AutoCAD	Educational Version (Free downloadable/Annual subscription peripheral as per availability)	25 NOS.
23.	Anti Virus Software		As required
24.	Other software – Corel DRAW, PHOTOSHOP etc.		As required
25.	Steel almirah		2 NOS.
26.	A3 size Colored Laser Jet, duplex, Scanner cum printer (multifunctional)	Latest Configuration	1 No.
27.	UPS online		As required
28.	Computer Table		24 NOS.
29.	Trainees chair with arm		24 NOS.
30.	Instructor's Lab table		1 No.
31.	Instructor's chair with arm		2 NOS.
32.	Book shelf with glass shutters		1 No.
33.	Air conditioner (split type) for CAD lab	2.0 tons	2 NOS.
34.	LAN connectivity		As per requiremen t
35.	Internet connection Wi-Fi		1 No.
36.	Visualizer with accessories (with latest configuration)		1 No.



37.	Vacuum Cleaner		1 No.
38.	Fire Extinguisher		1 No.
39.	Shoe rack		1 No.
40.	Wall clock		1 NOS.
C. AUDIC) VISUAL AIDS		
41.	LED Projector latest model with white screen		1 No.
42.	Interactive Board with complete accessories		1 No.
D. CONS	UMABLE ITEMS FOR ONE BATCH		
43.	Adjustable set square with beveled edge	30 cm	24 + 1 sets
44.	Compass with Long arm & pen holder		24 + 1 No.
45.	Protractor	15 cm	24 + 1 No.
46.	Calligraphy pens /Graphic Pens / Ink / Stencil		As per requirement
47.	Roll-n-draw roller scale	30 cm long	24+1 NOS.
48.	Triangular Scale (feet/ inch, metric)	30 cm	24+1 NOS.
49.	Clutch pencil	0.5mm, 0.2 mm, 2mm./drawing pencil (H, HB, B)	24+1 NOS.
50.	Pencil Sharpener, Adjustable		5 NOS.
51.	M.D / Parallel Bar / T scale - 750 mm long		24+1 NOS.
52.	Plastic French Curve with ink edge - set of 12		4 sets
53.	Furniture template 1:50, 1:100,1:200		24+1NOS.
54.	Circular and oval template		24+1NOS.
55.	Pen Drive		As per requirement
56.	Directional Magnetic Compass		24+1 NOS.
57.	Metric Tape-5M	3mt., 5mt., long	24+1 NOS.
58.	Erasing shield small & Big sizes		24+1 NOS.
59.	Metallic tape/ Fiber Glass Measuring Tape	30mt., 60mt. long	02 No.
60.	Calculator Scientific		05 NOS.



61.	Beam Compass with pen holder (rotring/ steadler made)		02 NOS.
62.	Flexi curve	80 cm	04 NOS.
63.	Measure Distance Meter LCD Digital Laser Pointer Measurer Tool		02 NOS.
64.	Electronic Glue gun with glue sticks		05 NOS.
65.	Hand drill machine		02 NOS.
E. MODE	LS AS TEACHING AIDS		
66.	Geometrical shapes		As per requirement
67.	Staircase single floor ht. with landing		As per requirement
68.	Door Windows with frame		As per requirement
69.	Wooden Carpentry Joints		As per requirement
70.	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.



ANNEXWREXURE-II

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.

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 03rd 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



