



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

COMPETENCY BASED CURRICULUM

PAPIER MACHE ARTISAN

(Duration: One year)

CRAFTSMEN TRAINING SCHEME (CTS)
NSQF LEVEL- 3.5



SECTOR – HANDICRAFTS & CARPETS



PAPIER MACHE ARTISAN

(Traditional Trade)

(Designed in 2024)

Version: 1.0

CRAFTSMEN TRAINING SCHEME (CTS)

NSQF LEVEL – 3.5

Developed By

Ministry of Skill Development and Entrepreneurship

Directorate General of Training

CENTRAL STAFF TRAINING AND RESEARCH INSTITUTE

EN-81, Sector-V, Salt Lake City,

Kolkata – 700 091

www.cstaricalcutta.gov.in

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1. COURSE INFORMATION

During the one-year duration of “Paper Mache Artisan” trade, a candidate is trained on Professional Skill, Professional Knowledge and Employability Skill related to job role. In addition to this, a candidate is entrusted to undertake project work, extracurricular activities and on-the-job training to build up confidence. The broad components covered under Professional Skill subject are as below: -

The trainees will apply safe working practices at work place. They will identify and use Papier Mache Artisan tools, machines and operate with safety precautions. Trainees will be able to understand and analyze the preparatory process of using Papier Mache Artisan moulds, different design and colouring of Papier Mache articles. The course is designed not only to introduce the basic Papier Mache Artisan skills but also to understand different designs, colour interaction and flower culture (tulip, rose, marigold etc). Every trainee will be working individually on a separate Papier Mache Artisan object (Sakhta like wall plates, coasters, boxes, balls, bells, bowls, trays, flower vases, screens, table lamps). The trainee will learn about application of different types of tools, application of different colours and designs over the Papier Mache objects. Trainees will learn the process of fine finishing of the surfaces of Papier Mache objects by application of gypsum, sand paper etc. Trainees will get awareness about primary, secondary and tertiary colours used for naqashi in Papier Mache craft. Trainees will observe variety of brushes used for background colouration and designing. They will also develop skill of preparing various colours. The trainees will identify, select and apply different traditional designs like hazara design, gulandergul design, gul-e-villayat design, bagaldhar design, dal tarah design, mughaldarbar, landscapes hunting design etc. Trainees will also learn how to preserve the Papier Mache articles by applying varnish/ sprit or sindrus solution. Trainees will also learn how to beautify the Papier Mache design by the application of fictitious gold and silver leaves. Trainees will learn about embossing different Papier Mache Artisan designs like chinar designs etc. The trainees will be given knowledge regarding preservation of finished job & its market potential.

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.

Papier Mache Artisan trade under CTS is one of the newly designed courses. The CTS courses are delivered nationwide through 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) impart professional skills and knowledge, while Core area (Employability Skills) imparts requisite core skill, knowledge and life skills. After passing out the training program, the trainee is awarded National Trade Certificate (NTC) by DGT which is recognized worldwide.

Trainee needs to demonstrate broadly that they are able to:

- Read and interpret parameters / documentation, plan and organize work processes, identify necessary materials and tools;
- Perform task with due consideration to safety rules, accident prevention regulations and environmental protection stipulations.
- Apply professional knowledge & employability skills while performing the job.
- Document the parameters related to the task undertaken.

2.2 PROGRESSION PATHWAYS

- Can join industry as Papier Mache Artisan and will progress further as Senior Artisan, supervisor and can rise up to the level of manager.
- Can become Entrepreneur in the related field.
- Can join Apprenticeship programs in different types of industries leading to a National Apprenticeship certificate (NAC).
- Can join Crafts Instructor Training Scheme (CITS) in the trade for becoming an instructor in ITIs.

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)	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.

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

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 has to maintain an 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 are being notified by DGT from time to time. **The learning outcome and assessment criteria will be the basis for setting question papers for final**

assessment. The examiner during final examination will also check the 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, weight age 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 scarp/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 during assessment	
For performance in this grade, the candidate with occasional guidance and showing due regard for safety procedures and practices, has produced work which demonstrates attainment	<ul style="list-style-type: none"> • Demonstration of good skill in the use of hand tools, machine tools and workshop equipment • 60-70% accuracy achieved while

<p>of an acceptable standard of craftsmanship.</p>	<p>undertaking different work with those demanded by the component/job/set standards.</p> <ul style="list-style-type: none"> • A fairly good level of neatness and consistency in the finish • Occasional support in completing the project/job.
<p>(b) Marks in the range of above 75% - 90% to be allotted during assessment</p>	
<p>For this grade, the candidate, with little guidance and showing due regard for safety procedures and practices, has produced work which demonstrates attainment of a reasonable standard of craftsmanship.</p>	<ul style="list-style-type: none"> • 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/set standards. • A good level of neatness and consistency in the finish • Little support in completing the project/job
<p>(c) Marks in the range of above 90% to be allotted during assessment</p>	
<p>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.</p>	<ul style="list-style-type: none"> • 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/set standards. • A high level of neatness and consistency in the finish. • Minimal or no support in completing the project.

Papier Mache Moulder; prepares 'papier Mache' by mixing glue or rosin with paper pulp and makes statues, toys and other novelties by moulding 'papier Mache' to shape using patterns. Mixes paper pulp, glue and limestone powder in water to make into paste; prepares papier sheets out of paste by using hand roller; takes two halves' of appropriate mould or die figure or toy, and greases inside of form - mould 'halves' with brush; places wet 'papier Mache' sheets over mould and presses it hard with hand to form impression on 'papier Mache', builds up form to desired thickness, fitting and smoothing each sheet to mould; places two halves of mould together, pastes and presses lap projections of each half of form together, and leaves mould and cast for drying. Removes completed form from moulds after specified period; trims and smoothens edges, using sand paper, and fixes attachments as required. Places finished products for drying and paints giving finishing touches with ornamental decoration. May prepare own colour schemes for painting forms. May design own patterns.

Reference NCO-2015:

- a) 8143.0500 - Papier Mache Moulder

Reference NOS:

- | | |
|--------------|--------------|
| a) HCS/N9434 | m) HCS/N9446 |
| b) HCS/N9435 | n) HCS/N9447 |
| c) HCS/N9436 | o) HCS/N9448 |
| d) HCS/N9437 | p) HCS/N9449 |
| e) HCS/N9438 | q) HCS/N9450 |
| f) HCS/N9439 | r) HCS/N9451 |
| g) HCS/N9440 | s) HCS/N9452 |
| h) HCS/N9441 | t) HCS/N9453 |
| i) HCS/N9442 | u) HCS/N9454 |
| j) HCS/N9443 | v) HCS/N9484 |
| k) HCS/N9444 | w) HCS/N9485 |
| l) HCS/N9445 | |

4. GENERAL INFORMATION

Name of the Trade	PAPIER MACHE ARTISAN
NCO – 2015	8143.0500
NOS Covered	HCS/N9434, HCS/N9435, HCS/N9436, HCS/N9437, HCS/N9438, HCS/N9439, HCS/N9440, HCS/N9441, HCS/N9442, HCS/N9443, HCS/N9444, HCS/N9445, HCS/N9446, HCS/N9447, HCS/N9448, HCS/N9449, HCS/N9450, HCS/N9451, HCS/N9452, HCS/N9453, HCS/N9454, HCS/N9484, HCS/N9485
NSQF Level	Level-3.5
Duration of Craftsmen Training	One year (1200 hours + 150 hours OJT/Group Project)
Entry Qualification	Passed 10th class examination
Minimum Age	14 years as on first day of academic session.
Eligibility for PwD	LD, CP, LC, DW, AA, LV, DEAF, HH, AUTISM, ID, SLD
Unit Strength (No. Of Student)	20 (There is no separate provision of supernumerary seats)
Space Norms	58 Sq. m
Power Norms	2 KW
Instructors Qualification for	
(i) Papier Mache Artisan Trade	<p>B.Voc/ Degree in fine arts from recognized university with one year experience in the relevant field.</p> <p style="text-align: center;">OR</p> <p>Two year diploma in fine arts from a recognized board of education with two-year experience in the relevant field.</p> <p style="text-align: center;">OR</p> <p>NTC/ NAC passed in the trade of “Papier Mache Artisan” with three-year experience in the relevant field.</p> <p style="text-align: center;">OR</p> <p>Registered artisan of handicraft department of Central/ State govt. with 05 years experience.</p> <p><u>Essential Qualification:</u> Relevant Regular/ RPL variants of National Craft Instructor Certificate (NCIC) under DGT.</p> <p>Note: - Out of two Instructors required for the unit of 2 (1+1), one must have Degree/Diploma and other must have NTC/NAC Qualification or Registered Artisan. However, both of them must possess NCIC in any of its variants.</p>
(ii) Employability Skill	<p>MBA/ BBA/ Any Graduate/ Diploma in any discipline with Two years' experience with short term ToT Course in Employability Skills. (Must have studied English/ Communication Skills and Basic Computer at 12th / Diploma level and above)</p> <p style="text-align: center;">OR</p> <p>Existing Social Studies Instructors in ITIs with short term ToT Course</p>



	in Employability Skills.
(iii) Minimum Age for Instructor	21 Years
List of Tools & Equipment	As per Annexure-I

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. Identify various hand tools & machinery in the trade & their safe use. (NOS: AMH/M9447)
2. Identify and use tools, Equipment & raw materials of Papier Mache Artisan. (NOS: HCS/N9434)
3. Select and use different types of moulds. (NOS: HCS/N9435)
4. Perform application of prepared pulp on different types of moulds. (NOS: HCS/N9436)
5. Prepare chalk meti solution and applying the same. (NOS: HCS/N9437)
6. Implement colour theory concept and colour harmony. (NOS: HCS/N9438)
7. Apply different methods of colours using different tools (NOS: HCS/N9439)
8. Use and identify different Geometrical devices. (NOS: HCS/N9440)
9. Demonstrate design and application process. (NOS: HCS/N9441)
10. Apply concept of leaves, flowers, trees, branches and aquatic plants. (NOS: HCS/N9442)
11. Apply concept of drawing different patterns of blossoms. (NOS: HCS/N9443)
12. Draw different type of birds with different colour combination e.g Kingfisher, crow, sparrow, bulbul etc (NOS: HCS/N9444)
13. Draw different type of animals with different colour combination e.g. deer, lion, horse, elephant, cow etc. (NOS: HCS/N9445)
14. Identify & create different forms of designs based on Natural Environment. (NOS: HCS/N9446)
15. Draw different heritage sites, shrines, forts etc. on papier mache using suitable colour shades. (NOS: HCS/N9447)
16. Prepare solution and perform embossed work on the Papier Mache objects. (NOS: HCS/N9448)
17. Develop the colour shades suitable for metallic articles and design Papier Mache Art on metallic objects like stainless steel cups, glasses etc. (NOS: HCS/N9449)
18. Prepare fictitious gold and silver solution and create designs by adding the silver and gold effects on papier mache craft. (NOS: HCS/N9450)
19. Apply various coats of varnishes and spirit solution on the Papier Mache Artisan objects and maintain ideal atmosphere for preservation of finished jobs. (NOS: HCS/N9451)
20. Perform packaging of different papier mache artisan jobs. (NOS: HCS/N9452)
21. Develop strategies for marketing of finished products. (NOS: HCS/N9453)
22. Identify various G.I tagged products for authenticity of their make. (NOS: HCS/N9454)
23. Plan and execute the use of computer aid during the design process. (NOS: HCS/N9484)
24. Perform application of CAD software for designing and colour shade. (NOS: HCS/N9485)

6. ASSESSMENT CRITERIA

LEARNING OUTCOMES	ASSESSMENT CRITERIA
1. Identify various hand tools & machinery in the trade & their safe use. (NOS: AMH/M9447)	Knowledge & history of Paper Mache Artisan.
	Identification of various safety tools & precautions in their use.
	Analyzing different safety symbols.
	Hazards in trade & knowledge of the same.
	Safety in firefighting & use of firefighting equipment.
2. Identify and use tools, Equipment & raw materials of Papier Mache Artisan.. (NOS: HCS/N9434)	Identification of various tools and equipments used in the trade.
	Use of all the tools and equipments.
	Familiarization with different raw materials used for Papier Mache Artisan
	Selection of different types of raw materials.
	Introduction and methods of preparation of different types of raw materials
3. Select and use different types of moulds (NOS: HCS/N9435)	Identification of different types of moulds.
	Implement on jewelry boxes, balls, flowers vases etc.
	Implement on wall plates, animal, bird & human figures.
4. Perform application of prepared pulp on different types of moulds (NOS: HCS/N9436)	Selection of material for pulp preparation.
	Manual practice of Cutting of paper for pulp preparation
	Preparation of soaking of material in water.
	Process of draining out the water.
5. Prepare chalk meti solution and applying the same. (NOS: HCS/N9437)	Physical identification of materials like chalk meti solution
	Prepare chalk meti solution and applying the same.
	Process of smoothening inner and outer surface Papier Mache Artisan articles.
6. Implement colour theory concept and colour harmony (NOS: HCS/N9438)	Physical identification of primary colours, secondary and tertiary colours.
	Preparation of secondary and tertiary colours by mixing colours.
	Preparation of light and dark shades of all colours.
7. Apply different methods of colours using different tools. (NOS: HCS/N9439)	Using different kinds of brushes for colouring Papier Mache Artisan articles.
	Using flat shaped brushes for the background colouring, varnishing, applying sprit/sindrus solution on Papier Mache Artisan articles.
	Defects during the application of colour insertion
8. Use and identify different Geometrical devices. (NOS: HCS/N9440)	Identify various parts of a geometry box like scales, dividers etc.
	Drawing circles of different diameters.
	Drawing various geometrical figures on the surface of Papier

	Mache Artisan objects
	Drawing the geometrical figures according to the confined measurements
9. Demonstrate design and application process (NOS: HCS/N9441)	Physical identification of various Papier Mache Artisan designs. Perform Drawing practice of various kinds of flowers, leaves, etc. Execute different types of designing application as per need.
10. Apply concept of leaves, flowers, trees branches, aquatic plants (NOS: HCS/N9442)	Understanding the colour concept to be applied while drawing leaves, flowers, branches and aquatic plants Structure of various flowers, Tree branches, Aquatic flowers etc.
11. Concept of different patterns of blossoms (NOS: HCS/N9443)	Concept of various seasons of the year. Blossom of various flowers in different seasons. Manual practice of developing outlining of the design
12. Draw different type of birds with different colour combination e.g. Kingfisher, crow, sparrow, bulbul etc (NOS: HCS/N9444)	Study of various birds, their physical movement Physical structure of different birds
13. Draw different type of animals with different colour combination e.g. deer, lion, horse, elephant, cow etc. (NOS: HCS/N9445)	Study of different animals along with their various movement & postures. Study of Physical posture of different animals.
14. Identify & create different forms of designs based on Natural Environment. (NOS: HCS/N9446)	Study of various Landscapes, Mountains, Valleys Deserts etc Description of various colours used for drawing different Landscapes.
15. Draw different heritage sites, shrines, forts etc. on papier mache using suitable colour shades. (NOS: HCS/N9447)	Knowledge & historical study of various Heritage sites. Drawing of heritage sites, shrines, forts etc. Manual practice of creation of design by study of various Heritage sites.
16. Prepare solution and perform embossed work on the Papier Mache objects. (NOS: HCS/N9448)	Identifying different raw materials used for embossing of design. Prepare a solution for embossing. Manual practice of applying the solution.
17. Develop the colour shades	Identification of various kinds of metallic objects.

<p>suitable for metallic articles and design Papier Mache Art on metallic objects like stainless steel cups, glasses etc. (NOS: HCS/N9449)</p>	<p>Papier Mache Artisan designing on these metallic articles.</p>
<p>18. Application of gold & silver leaves (NOS: HCS/N9450)</p>	<p>Identification of fictitious gold and silver leaves used in Papier Mache Artisan craft Manual practice of the fictitious gold and silver leaves Rectifying the defects during the application of the fictitious gold and silver leaves</p>
<p>19. Apply various coats of varnishes and spirit solution on the Papier Mache Artisan objects and maintain ideal atmosphere for preservation of finished jobs. (NOS: HCS/N9451)</p>	<p>Identification of various solutions used to preserve the Papier Mache Artisan jobs. Application of various coats of varnishes and spirit solution on the Papier Mache Artisan jobs. Maintaining the ideal atmosphere for the preservation of the job.</p>
<p>20. Packaging process of PAPIER MACHE ARTISAN jobs (NOS: HCS/N9452)</p>	<p>Identifying the different raw materials for packing process Demonstrate the packing process.</p>
<p>21. Develop strategies for marketing of finished products. (NOS: HCS/N9453)</p>	<p>Market intervention. Installation of sale stall at the institute for marketing of finished product. Visit to a local market for market research along with trainer. Basic concept of market, Supply, demand & potential for the activity.</p>
<p>22. Identify various G.I tagged products for authenticity of their make (NOS: HCS/N9454)</p>	<p>G.I tagging procedure Significance & necessity of G.I Tagging. Procedure of G.I registration.</p>
<p>23. Plan and execute the use of computer aid during the design process (NOS: HCS/N9484)</p>	<p>Familiarization with basics of computers. Application options during working on the file. Introduction to the coral draw Introduction to the Photoshop applications.</p>
<p>24. Perform application of CAD software for designing and colour shade (NOS: HCS/N9485)</p>	<p>Application of CAD software in various jobs. Explaining the methods of creation of various designs on the software. Practicing the recreation of the designs by using CAD software.</p>

SYLLABUS FOR PAPIER MACHE ARTISAN TRADE			
DURATION: ONE YEAR			
Duration	Reference Learning Outcome	Professional Skills (Trade Practical)	Professional Knowledge (Trade Theory)
Professional Skill 20 Hrs; Professional Knowledge 10 Hrs	Identify various hand tools & machinery in the trade & their safe use	<ol style="list-style-type: none"> 1. Visit Papier Mache Artisan lab of the institute and visualize the trade set up 2. Identifying safety symbols and hazard identification. 3. Practice safe methods of fire fighting in case of accidental fire. 4. Carry out artificial respiration. 5. Use of fire extinguishers. 	<ul style="list-style-type: none"> • Introduction to Papier Mache Artisan e Art with historical back ground. • Safety rules and safety signs. • Types and working of fire extinguishers. • Artificial respiration, awareness on accidents.
Professional Skill 20 Hrs; Professional Knowledge 10 Hrs	Identify and use tools, Equipment & raw materials of Papier Mache Artisan.	<ol style="list-style-type: none"> 6. Identification of tools and equipment used in Papier Mache Artisan Trade. 7. Selection of material for pulp preparation. 8. Cutting of paper for pulp preparation. 9. Soaking of raw material in water. 10. 10. Process of draining out of water. 	<ul style="list-style-type: none"> • Introduction of tools and equipments used in Papier Mache Artisan trade. • Introduction and methods of preparation of different types of raw materials. • Knowledge of various paper material used for pulp preparation. • Paper cutting procedure. • Knowledge of various processes for pulp preparation.
Professional Skill 35 Hrs; Professional Knowledge 10 Hrs	Select and use different types of moulds.	<ol style="list-style-type: none"> 11. Manual & Mechanical Grinding of material for pulp preparation. 12. Preparation of organic starch (STARCH). 13. Addition of preservative Potassium bicarbonate in pulp 14. Mixing of Starch & Pup paper in desired ratio. 	<ul style="list-style-type: none"> • Different Grinding processes for pulp prepration. • Knowledge of various organic STARCH • Role of preservatives in the Papier Mache Artisan process.
Professional Skill 50 Hrs; Professional Knowledge 10 Hrs	Perform application of prepared pulp on different types of moulds.	<p>Select and use different types of moulds.</p> <ol style="list-style-type: none"> 15. Jewelry boxes, balls, flower vases, wall plates, animal, bird, and human figures. 16. Perform application of prepared pulp on different types of moulds. 17. Drying of job natural drying 	<ul style="list-style-type: none"> • Knowledge of different Moulds used in Paper Mache Artisan. • Procedure in application of pulp on different moulds. • Knowledge of material required for smoothening jobs.

		<p>18. Practice on Smoothing process and raw materials required for smoothing process.</p> <p>19. Practicing the smoothing of jobs with the wooden buffer.</p>	<ul style="list-style-type: none"> • Wooden buffer & bits use.
<p>Professional Skill 35 Hrs; Professional Knowledge 10 Hrs</p>	<p>Prepare chalk meti solution and applying the same</p>	<p>20. Physical identification of materials like chalk meti solution used to smoothen inner and outer surface of Papier Mache Artisan objects.</p> <p>21. Practice the process of smoothing inner and outer surface Papier Mache Artisan articles.</p> <p>22. Applying the fish glue on the surfaces of the job.</p> <p>23. Manual practice of pasting the tissue paper on the surface of the Job. (harrirah)</p> <p>24. Finding defects during pasting of tissue paper.</p> <p>25. Methods for rectifying the defects.</p>	<p>Chalk Meti preparation</p> <ul style="list-style-type: none"> • Different Chalk meti sources • Physical & Chemical composition of Chalk mitti. • Safe use of chalk mitti in the trade. • Knowledge regarding preparation of chalk mitti. • Need for use of tissue paper/Harrira on the job. • Fault finding procedure in the process.
<p>Professional Skill 35 Hrs; Professional Knowledge 10 Hrs</p>	<p>Implement colour theory concept and colour harmony</p>	<p>26. Physical identification of primary colours, secondary and tertiary colours.</p> <p>27. Practice the preparation of secondary and tertiary colours by mixing colours.</p> <p>28. Practice preparation of light and dark shades of all colours.</p> <p>29. Identification of water colours, synthetic colours, poster colours, Strainers.</p> <p>30. Manual practice of developing a shade card</p>	<p>Introduction to Colour theory and its types of colour formation</p> <ul style="list-style-type: none"> • Define the concept of colours. • Differentiate between primary, secondary and tertiary colours. • Describe the procedure of preparation of different colours and their shades.
<p>Professional Skill 50 Hrs; Professional Knowledge 10 Hrs</p>	<p>Apply different methods of colours using different tools.</p>	<p>31. Practice using different kinds of brushes for colouring Papier Mache Artisan articles.</p> <p>32. Practice using flat shaped brushes for the background colouring, varnishing, applying sprit/sindrus solution on Papier Mache Artisan articles.</p> <p>33. Practice using different</p>	<p>Introduction to different types of Raw Materials</p> <ul style="list-style-type: none"> • Different Colouring procedures. • Explain the use of different brushes like sable brush, cat hair brushes, synthetic brushes etc. • Explain the use of different moulds for preparation of

		shaped brushes for drawing the designs, shading etc. 34. Defects during the application of colour insertion	different Papier Mache Artisan objects.
Professional Skill 50 Hrs; Professional Knowledge 10 Hrs	Use and identify different Geometrical devices.	35. Identify various parts of a geometry box like scales, dividers etc. 36. Practice drawing circles of different diameters. 37. Practice drawing various geometrical figures on the surface of Papier Mache Artisan objects. 38. Practising of colour insertion on the geometrical figures. 39. Drawing the geometrical figures according to the confined measurements.	Introduction to the use of different geometrical devices <ul style="list-style-type: none"> • Understand the geometrical shapes and figures. • Explain the use of divider to draw clockwise and anti-clockwise circles. • Understand the concept of line drawing border drawing on the Papier Mache Artisan items. • Understand the concept of measurements of Papier Mache Artisan objects.
Professional Skill 50 Hrs; Professional Knowledge 10 Hrs	Demonstrate design and application process	40. Physical identification of various Papier Mache Artisan designs. 41. Perform flower culture. 42. Practice drawing parts of flowers using pencil. 43. Practice drawing various flowers like rose, caligarium, hyacinth, tulip, iris, coronation etc. that are mostly drawn in Papier Mache Artisan designs. 44. Practice drawing of the designs. Hazaara Gul-e-vilayet Gulandergul Baghaldar Chinar design and flower culture.	Designing: <ul style="list-style-type: none"> • Explain various types of design used in Papier Mache Artisan craft. • Differentiate between different types of design like Hazaara, Gulander Gul, Gul-e-Wilauat etc. • Explain the colour concept to be used in various Paper Machine designs & patterns.
Professional Skill 50 Hrs; Professional Knowledge 10 Hrs	Apply concept of leaves, flowers, trees, branches and aquatic plants.	45. Practice the drawing of various types of leaves of different plants and trees etc. 46. Practice drawing of different tree branches and aquatic plants 47. Manual practice of creation of designs.	Concept of leaves, flowers, trees, branches and aquatic plants. <ul style="list-style-type: none"> • Understanding the colour concept to be applied while drawing leaves, flowers, branches and aquatic plants.

		<p>48. Practicing the creation ethnic forms of design.</p> <p>49. Practicing the creation Abstract forms of design.</p>	<ul style="list-style-type: none"> • Structural details of various plants, flowers, Tree branches, & aquatic plants.
<p>Professional Skill 50 Hrs; Professional Knowledge 10 Hrs</p>	<p>Apply concept of drawing different patterns of blossoms.</p>	<p>50. Identification of different kinds of blossoms like almonds, cherry, apples, saffron, tulip etc.</p> <p>51. Practice drawing of blossoms and their buds and branches.</p> <p>52. Manual practice of creation of designs by using all types of blossoms.</p> <p>53. Manual practice of developing different colour shades as per the design requirement.</p> <p>54. Manual practice of outlining of the design by using different colour shades.</p>	<p>Different pattern of blossoms</p> <ul style="list-style-type: none"> • Understanding & visualising variation of blossoms in different weathering seasons. • Explain the different colour combinations that are used for drawing different types of blossoms, their buds and branches.
<p>Professional Skill 50 Hrs; Professional Knowledge 10 Hrs</p>	<p>Draw different type of birds with different colour combination e. g. Kingfisher, crow, sparrow, bulbul etc.</p>	<p>55. Introduction to creation of different types of Motifs</p> <p>56. Physical identification of various types of birds with different colour combination e.g. Kingfisher, crow, sparrow, bulbul etc.</p> <p>57. Practice the drawing of bird structure</p> <p>58. Practice drawing different types of birds on the Papier Mache Artisan.</p> <p>59. Manual practice of creation of different types of motifs.</p>	<ul style="list-style-type: none"> • Different birds & their physical structure. • Movement of birds in different poses while sitting, flying, walking etc. • Understand the structure of birds and the colour combination used for drawing different kinds of birds.
<p>Professional Skill 50 Hrs; Professional Knowledge 10 Hrs</p>	<p>Draw different type of animals with different colour combination e.g. deer, lion, horse, elephant, cow etc.</p>	<p>60. Identification of different types of animals drawn on Papier Mache Artisan objects.</p> <p>61. Practice drawing of animals like deer, lion, horse, elephant, cow etc.</p> <p>62. Manual practice of creation of Motifs by using different animal figures.</p> <p>63. Identify different types of models on which animal figures can be drawn.</p> <p>64. Develop suitable colours shades for animal figure-</p>	<ul style="list-style-type: none"> • Understand the structure of animals that are drawn on the Papier Mache Artisan objects. • Movement of animals in different poses while sitting, walking, running etc. • Explain the colours used to draw the animals on Papier Mache Artisan objects.

		based designs.	
Professional Skill 50 Hrs; Professional Knowledge 10 Hrs	Identify & create different forms of designs based on Natural Environment.	65. Identification of various landscapes, mountains, valley, deserts. 66. Practice drawing of landscapes, deserts, valleys. 67. Practicing the creation of designs by using different forms of landscapes. 68. Manual practice of creation of designs by using different mountains, valleys, deserts etc. 69. Develop different colour shades which are suitable for natural environment based designs.	<ul style="list-style-type: none"> • Study & visualising of various landscapes, Mountains, valleys, deserts, forest views, Lakes, Rivers etc. • Explain the stepwise procedure to draw different landscapes. • Describe the colours used for drawing landscapes, deserts, and valleys.
Professional Skill 20 Hrs; Professional Knowledge 10 Hrs	Draw different heritage sites, shrines, forts etc. on papier mache using suitable colour shades.	70. Physical identification of various heritage sites, shrines, forts etc 71. Practice drawing of heritage sites, shrines, forts etc. 72. Manual practice of creation of designs by using different heritage sites. 73. Developing the colour shades suitable for heritage sites. 74. Manual practice of maintaining the colour harmony.	<ul style="list-style-type: none"> • Historical importance of various sites. • Visualising architectural concept of different heritage sites. • Stepwise procedure to draw different heritage sites, shrines, forts etc • Papier Mache Artisan objects. • Understand the colour used to draw heritage sites, forts, shrines.
Professional Skill 20 Hrs; Professional Knowledge 10 Hrs	Prepare solution and perform embossed work on the Papier Mache objects.	75. Identifying different raw materials used for embossing of the design. 76. Prepare a solution for embossing process. 77. Manual practice of applying the solution. 78. Practice embossed work on the Papier Mache Artisan objects. 79. Embossing of chinar leaves and other flowers on Papier Mache Artisan objects.	<p>Embossed Work</p> <ul style="list-style-type: none"> • Concept of emboss in finishing process of various Papier Mache Artisan jobs. • Explain the process of embossing on the Papier Mache Artisan object.
Professional Skill 40 Hrs; Professional Knowledge	Develop the colour shades suitable for metallic articles and design Papier	80. Identification of various kinds of metallic objects like stainless steel cups, glasses etc used in Papier Mache	<ul style="list-style-type: none"> • Knowledge of various metal colours & its application. • Understand the colour

20 Hrs	Mache Art on metallic objects like stainless steel cups, glasses etc.	<p>Artisan craft.</p> <p>81. Practice the Papier Mache Artisan designing on these metallic articles.</p> <p>82. Practice to develop the colour shades suitable for metallic articles.</p> <p>83. Manual Practice of applying the colour.</p> <p>84. Identifying the defects during colour insertion</p>	<p>concept used in drawing on the metallic articles.</p> <ul style="list-style-type: none"> Describe various kinds of metallic articles used in the Papier Mache Artisan craft. Study of various defects in application of paint on metallic surfaces.
Professional Skill 20 Hrs; Professional Knowledge 10 Hrs	Prepare fictitious gold and silver solution and create designs by adding the silver and gold effects on papier mache craft.	<p>85. Identification of fictitious gold and silver leaves used in Papier Mache Artisan Craft.</p> <p>86. Preparation of fictitious gold and silver solution.</p> <p>87. Practice application of fictitious gold and silver solution outlines to fill up the gaps and beautify the Papier Mache Artisan designs</p> <p>88. Creating new designs by adding the silver and gold effects.</p> <p>89. Rectifying the defects during the application of gold and silver solutions.</p>	<p>Application of gold and silver leaves</p> <ul style="list-style-type: none"> Explain the stepwise method for the preparation of fictitious gold and silver solution. Explain the advantages of applying gold and silver solution on Papier Mache Artisan articles.
Professional Skill 20Hrs; Professional Knowledge 10 Hrs	Apply various coats of varnishes and spirit solution on the Papier Mache Artisan objects and maintain ideal atmosphere for preservation of finished jobs.	<p>Preservation of Papier Mache Artisan Objects</p> <p>90. Identification of various solutions used to preserve Papier Mache Artisan Objects.</p> <p>91. Application of various coats of varnishes and spirit solution on the Papier Mache Artisan objects for preservation purpose.</p> <p>92. Maintaining the ideal atmosphere for the preservation of the job.</p> <p>93. Cover the article with the assorted paper sheets.</p> <p>94. Safe staking of the finished jobs.</p>	<ul style="list-style-type: none"> Need for preservation of Papier Mache Artisan jobs. Danger to Paper mache jobs due to different weather conditions, like moisture, Heat, sunlight, dust etc. Different procedures of preserving Papier Mache Artisan objects. Knowledge of various preservatives like varnish, Sprit solutions etc. Procedure for safe staking of finished papier-mâché products.
Professional Skill 20 Hrs; Professional Knowledge 10 Hrs	Perform packaging of different papier mache artisan	<p>Packaging of papier mache artisan jobs:</p> <p>95. Identify different packing</p>	<ul style="list-style-type: none"> Knowledge of various packaging material. Explain the process of

Knowledge 10 Hrs	jobs.	<p>materials</p> <p>96. Covering of Papier Mache Artisan jobs with brown sheets and eco-friendly bags.</p> <p>97. Practice packaging of Papier Mache Artisan jobs. Viz Pin boxes, balls, bells etc.</p> <p>98. Practice packaging of Papier Mache Artisan jobs. Viz jewellery box, wall plates, trays etc.</p> <p>99. Practice packing of Papier Mache Artisan jobs. Viz table lamps, flower vase, table sets etc.</p>	<p>packaging the Papier Mache Artisan jobs.</p> <ul style="list-style-type: none"> Explaining need and necessity of packing for protection of finished jobs from workshop to showrooms.
Professional Skill 25 Hrs; Professional Knowledge 05 Hrs	Develop strategies for marketing of finished products.	<p>Market intervention</p> <p>100. Visit to various working units for information regarding finished products for sale.</p> <p>101. Visit to a local market for market research along with trainer.</p> <p>102. Installation of sale stall at the institute for marketing of finished product.</p> <p>103. Visit and participation in various exhibitions.</p> <p>104. Developing a strong brand identity.</p>	Basic concept of market, Supply, demand & potential for the act.
Professional Skill 25 Hrs; Professional Knowledge 05 Hrs	Identify various G.I tagged products for authenticity of their make.	<p>105. Procedure for submission of application G.I registration.</p> <p>106. Procedure for allotment of G.I number.</p> <p>107. Procedure for registration of craftsmen for allotment of G.I registration</p> <p>108. Procedure for registration of finished job for G.I registration.</p> <p>109. Procedure for identification of various parameters as per G.I tagging.</p>	<p>G.I Tagging</p> <ul style="list-style-type: none"> Concept of G.I Tagging along with historical background. Significance & necessity of G.I Tagging. Knowledge of different institutes involved in G.I Tagging process.
Professional Skill 30 Hrs; Professional	Plan and execute the use of computer aid	110. On /OFF Computer, Use of Operating System, Creation of file and Folder,	<p>Introduction to Computer</p> <ul style="list-style-type: none"> Familiarization of basics of computers.

Knowledge 15 Hrs	during the design process.	<p>Save a file on a particular drive and folder, Backup of file.</p> <p>111. Applicable options during working on a file</p> <p>112. Practice on Coral Draw.</p> <p>113. Practice on Photoshop.</p>	<ul style="list-style-type: none"> • Use of Operating System • Creation of file and Folder • Save a file on a particular drive and folder • Backup of file • Applicable options during working on a file • Coral Draw • photoshop
Professional Skill 25 Hrs; Professional Knowledge 05 Hrs	Perform application of CAD software for designing and colour shade	<p>114. Concept of design creation on software.</p> <p>115. Creation of different patterns of design on software</p>	<p>Introduction of various software functions</p> <p>Introduction to the various software Applications. modules of the Software. Explaining the methods of creations of various designs on the software.</p>

Note: The duration of Professional skills (Trade practical) and Professional knowledge (Trade theory) are indicative only. The Training Institute has the flexibility to adopt suitable training duration for effective training.

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 www.bharatskills.gov.in/
www.dgt.gov.in

LIST OF TOOLS & EQUIPMENT			
PAPIER MACHE ARTISAN (for batch of 20 Candidates)			
S No.	Name of the Tools and Equipment	Specification	Quantity
A. Trainees tool kit			
1.	Stainless Steel Patella (Big Size)		02 Nos.
2.	Stainless Steel Patella (Small Size)		04 Nos.
3.	Flour's Rice/Wheat		As required
4.	Geometry Box		20 Nos.
5.	Jute Thread		As required
6.	Brushes Size 0-000		As required
7.	Colour Brushes		As required
8.	Colour Mixing Palette		As required
9.	Scissors		As required
10.	Chisels (Different Diameters)		As required
11.	Hand Saw		As required
12.	Tenor Saw		As required
13.	Scales/L Shaped Scale		05 Nos.
14.	Divider		As required
15.	Aprons		20 Nos.
16.	Hand Gloves		20 Nos.
B. Computer accessories & Others			
17.	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.	05 Nos.
18.	All in one Printer (colour)	A4 size	01 No.
19.	UPS	1Kva	01 No.
20.	Multimedia projector		01 No.
21.	Paper Grinder		01 No.
22.	Heater Electric		02 set's
23.	Gas Heater/Stove		02 Nos.
24.	Old News Paper		As required
C. General tool kits			
25.	Moulds (Assorted)		As required
26.	Tub's Plastic		4 Nos.
27.	Water Container		1 No.
28.	Water Buckets		4 Nos.



29.			
30.			
31.	Scales/L Shaped Scale		05 Nos.
32.	Oil Stones		As required
33.	Wooden Buffer		As required
34.	Cardboard Sheets		As required
35.	Varnish		As required
36.	Spirit/Sindrus Solution		As required
37.	Synthetic Solution		As required
38.	Synthetic Colours		As required
39.	Water Colours		As required
40.	Strainer Colours		As required
41.	Tissue Paper		As required
42.	Sand Paper of Different Numbers		As required
43.	Tracing Paper		As required
44.	Trowel		As required
45.	Rasp File		As required
46.	Plain File		As required
47.	Graph Paper		As required
48.	Adhesive		As required
49.	Fish Glue/Adhesive		As required
50.	Note books		As required
51.	Drawing Notebooks		As required
52.	First Aid Kit		2 Nos.
C. General shop outfit, furniture and Materials			
53.	Fire Extinguisher		01 No.
54.	Instructor Chairs		02 Nos.
55.	Instructor table		02 Nos.
56.	Computer Table		05 Nos.
57.	Computer Chairs		20 Nos.
58.	Stool		05 Nos.
59.	Steel Almirah		02 Nos.
60.	White board		01 No.
61.	White board marker		01 Box
62.	Duster		05 Nos
63.	Cotton cloth (duster)		05 Nos.
64.	Metal Rack	100cmX 150cm X 45cm	04 Nos.
65.	Lockers with 16 drawers standard size		02 Nos.
66.	Smart interactive board		01 No.
67.	Split AC (with Stabilizer)		As required
68.	Notebooks for trainees theory and practical		52 Nos. each
69.	Pencils, erasers, sharpeners		52 Nos. each



70.	Notice board		01 No.
71.	Wall clock		01 No.
Note: - <i>Internet facility is desired to be provided in the class room.</i>			

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 participated for finalizing the course curriculum of Papier Mache Artisan trade held on 01st & 02nd February, 2024 at Srinagar (Jammu & Kashmir).			
S No.	Name & Designation Sh/Mr./Ms.	Organization	Mentor Council Designation
1.	Shri Sudershan Kumar – JKAS, Director	Skill Development - J&K	Chairman
2.	Shri Sanjay Kumar – ISDS, Director	CD, DGT - MSDE	Co-Chairman
3.	Shri G.C. Rama Murthy – ISDS, Joint Director	CD, DGT - MSDE	Member
4.	Shri Khan Farooq Ahmed, Joint Director	Skill Development, Kashmir	Member
5.	Shri G M Bhat, Joint Director	Skill Development, Jammu	Member
6.	Shri Mohd Shafi Bhat, Principal	Govt Women Polytechnic Srinagar	Member
7.	Shri V.K.Saksena – ISDS, DD	NSTI Jammu (Srinagar Extension)	Member
8.	Shri Mohd Ashraf Wani, Principal (Senior Scale)	Govt ITI Srinagar	Member
9.	Smt Foziya Yousuf Illahi, HOD	Govt Women Polytechnic Srinagar	Member
10.	Shri Ali Mohammad Khan, HOD	K.G. Polytechnic, Srinagar	Member
11.	Shri S.Bandyopadhyay – ISDS, AD	CD, DGT - MSDE	Member
12.	Shri Sajad Hussain Naqueeb, AD	DSD Office Srinagar	Member
13.	Shri Ravi Gupta, AD	DSD Office Srinagar	Member
14.	Shri Surinder Kumar, AD	Handicraft & Handloom Department, Kashmir	Member
15.	Shri Javid Ahmed Ganai, Principal	Govt ITI Baramulla	Member
16.	Shri Imran Wajahat, Principal	Govt ITI Anantnag	Member
17.	Shri Mubashir Hafiz Jan, Superintendent	Govt ITI Kangan	Member
18.	Shri Imtiyaz Ahmad Mir, Superintendent	Govt ITI Pattan	Member
19.	Shri P.K. Bairagi, TO	CSTARI - Kolkata	Member
20.	Shri B.K. Nigam, TO	CSTARI – Kolkata	Member

21.	Shri Nazir Ahmad, Tech. Asst.	JD Office Jammu	Member
22.	Shri Subhash Chander Sharma, Industry Expert	Handicraft & Handloom Department, Jammu	Member
23.	Shri Mir Ashraf Ahmad, Industry Expert	Handicraft & Handloom Department, Kashmir	Member
24.	Imtiyaz Ahmad, Industry Expert	Handicraft & Handloom Department, Kashmir	Member
25.	Shri Rajeev Pandita, Industry Expert	Rural Artisan Welfare Society, Jammu (NGO)	Member
26.	Smt Nelofar Jan, Industry Expert	New Bhat Handicrafts, Srinagar	Member
27.	Shri Riyaz Ahmad, Industry Expert	New Bhat Handicraft, Srinagar	Member
28.	Shri Zaqir Hussain Bhat, Industry Expert	Govt ITI K B Pora	Member
29.	Shri Nayeem Ahmad Baba, Industry Expert	NCVET Assesment Agency	Member
30.	Shri Syed Hassan, Trade Expert	Govt ITI Srinagar	Member

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
CP	Cerebral Palsy
MD	Multiple Disabilities
LV	Low Vision
HH	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

