

Syllabus for Tarakasi Jewellery Artisan

Course Name	Tarakasi Jewellery Artisan
Sector	GEM & JEWELLERY
Course Code	GJR/2024/TJAR/356
Level	3
Occupation	Tarakasi Jewellery Artisan
Job Description	Tarakasi jewellery designer is responsible for creating intricate designs blending tradition with modern elegance. Assembles and solders wire/ strips to make final piece. He/She will be Skilled in Tarakasi design, platinum polishing, gemstone setting, restoration, and crafting bespoke jewellery for diverse markets.
Course Duration	Total Duration 390 Hrs (T-90 , P-180 , OJT-60 and ES-60)
Trainees' Entry Qualification	Grade 10 OR Grade 8 with two year of (NTC/ NAC) after 8 th OR Grade 8 pass and pursuing continuous schooling in regular school with vocational subject OR 8th grade pass with 2 yrs relevant experience OR Previous relevant Qualification of NSQF Level 2 with one yr experience OR Previous relevant Qualification of NSQF Level 2.5 with 6 months experience
Trainers Qualification	HS WITH CERTIFICATE COURSE IN JEWELLERY MAKING

Structure of Course:

Module No.	Module name	Outcome	Theory (Hrs)	Practical (Hrs)	Total (Hrs) [Multiple of 30]
1	Overview of Kataka Tarakasi's design works	Describe the design procedure and techniques related to kataka tarakasi works.	20	40	60

Module No.	Module name	Outcome	Theory (Hrs)	Practical (Hrs)	Total (Hrs) [Multiple of 30]
2	Soldering Process	Assemble and solder strips or wires of precious metal to make final Tarakasi jewellery	30	60	90
3	Introduction to Traditional Jewellery	Explore traditional jewellery history, materials, cultural significance for modern applications	20	40	60
4	Platinum Polishing	Demonstrate polishing procedure for platinum jewellery	20	40	60
5.	OJT	Work in real job situation with special emphasis on basic safety and hazards in this domain (OJT).	--	60	60
6.	Employability skill	As per guided curriculum	60	--	60
TOTAL:			150	240	390

SYLLABUS:**Module 1: Overview of Kataka Tarakasi's design works****Outcome :**

Describe the design procedure and techniques related to kataka tarakasi works.

Theory content:

- Introduction to fundamental knowledge of Tarakasi design tools, materials along with their uses and processes
- Illustrate attractive and easily manufacturable jewellery designs.
- Demonstrate jewellery design of different shapes, colours, metals, motifs and stones.
- Identify different cuts, shapes and varieties in the gem stones.
- Discuss the factors relevant to product design.
- Explain the techniques related to traditional and contemporary designs.
- Identify different types of traditional jewelry in India.

Practical content:

- Analyze Contemporary Beads, Kundan, Kundan- Meena and Cowrie Jewellery Trends In India.
- Create jewellery design using different shapes, colours , metals, motifs and stones.
- Create a diverse range of products, including designs for pendants, earrings, flexible bracelets, fixed bracelets, bangles, rings, necklaces, etc.
- Practice on the techniques related to traditional and contemporary designs
- Assist in creating various design projects for both domestic and international markets.

TOOLS AND EQUIPMENT :

Silver, Iron Tongs, Chisel, Hammer, Tweezers, Files, Brush, Flame Torch, Pipe Blower, Cutter, Dies, Rolling Machine, Various Punches, Silver Dust, Anvil

MODULE 2: Soldering Process**Outcome :**

Assemble and solder strips or wires of precious metal to make final Tarakasi jewellery

Theory Content:

- Melt 90% pure silver in a clay pot with a hand-operated bellows, creating the base material.
- Pour molten silver into rod molds, cool, and press into thin, workable wires.
- Carve intricate designs or smolder wires with a kerosene flame under guidance.
- Twist and shape wires by hand, emphasizing precision.
- Solder with borax and soldering powder under a small flame for durability.
- Use granulation, snow glazing, and casting for unique ornamentation.
- Track evolving customer tastes and trends for market relevance.
- Experiment with new methods for polished, refined artifacts.

Practical Content:

- Demonstrate melting 90% pure silver in a clay pot with a bellows for Tarakasi jewellery.
- Practice pouring, cooling, and pressing molten silver into thin wires for crafting.
- Execute hand-carving intricate designs or controlled smoldering with a kerosene flame.
- Refine wire twisting and shaping for precise patterns in jewellery making.
- Perform soldering with borax and powder under a small flame for durability.
- Experiment with granulation, snow glazing, and casting for unique designs.
- Analyze trends to create Tarakasi jewellery that fits current tastes.
- Explore new techniques for polished, refined Tarakasi jewellery.

TOOLS AND EQUIPMENT :

Silver, Iron Tongs, Chisel, Hammer, Tweezers, Files, Brush, Flame Torch, Pipe Blower, Cutter, Dies, Rolling Machine, Various Punches, Silver Dust, Anvil

Module. 3: Introduction to Traditional Jewellery**Outcome :**

Explore traditional jewellery history, materials, cultural significance for modern applications

Content:

- Explore historical and cultural significance of traditional jewellery types like Rose work, Siko work, Jali work, etc
- Intricate design elements and traditional crafting techniques for each type of jewellery.
- Identify traditional materials such as silver, gold, beads, and gemstones
- Maintain proper care methods to preserve traditional jewellery's beauty and longevity
- Demonstrate health hazards associated with jewelry-making materials, processes, and equipment.
- Adhere to safety procedures related to jewellery making processes.
- Describe Jewellery Trends And Future Directions Trends and Influences of History, Culture, Everyday Life.
- Work with modern adaptations of traditional designs, blending techniques with new styles
- Demonstrate applications of traditional jewellery Like Cultural Practices, Marriage And Jewellery, Festivals And Jewellery and Other Occasions of Iconic Motifs .

TOOLS AND EQUIPMENT :

Silver, Iron Tongs, Chisel, Hammer, Tweezers, Files, Brush, Flame Torch, Pipe Blower, Cutter, Dies, Rolling Machine, Various Punches, Silver Dust, Anvil

Module. 4: Platinum Polishing**OUTCOME :**

Demonstrate polishing procedure for platinum jewellery

THEORY CONTENT:

- Demonstrate techniques for high-shine polishing.
- Clean platinum pieces thoroughly to remove dirt, oils, and residues
- Degrease, and refine surfaces for polishing.
- Inspect for any imperfections or scratches
- Repair and rejuvenate worn or damaged pieces
- Address scratches or dents using burnishers or hammers
- Apply chemical solutions like pickling acids or polishing compounds for brilliance and durability
- Modify designs for easier polishing without compromising style.
- Collaborate with designers or clients to create pieces specifically tailored for efficient polishing
- Apply precise techniques for setting stones securely.
- Check for flawless, high-quality finishes.

Practical Content:

- Practice precise polishing techniques for platinum.
- Execute restoration techniques such as welding, soldering, or reshaping
- Replace missing stones or settings, matching original materials and designs.
- Practice creating secure settings using prongs, bezels, or pave techniques.
- Execute the fabrication process, including cutting, shaping, soldering, and finishing.
- Design and create bespoke pieces from start to finish.

TOOLS AND EQUIPMENT :

Silver, Iron Tongs, Chisel, Hammer, Tweezers, Files, Brush, Flame Torch, Pipe Blower, Cutter, Dies, Rolling Machine, Various Punches, Silver Dust, Anvil

Module 5: OJT

Outcome: Work in real job situation with special emphasis on basic safety and hazards in this domain

Practical Content:

Assessor will check report prepared for this component of Practical training of the course and assess whether competency has been developed to work in the real job situation with special emphasis on basic safety and hazards in this domain. (The trainee is expected to undertake work in actual workplace under any supervisor / contractor for **60 Hours**.)

Module 6 : Employability Skills***Key Learning Outcomes*****Introduction to Employability Skills**

Duration: 1.5 Hours

After completing this programme, participants will be able to:

1. Discuss the Employability Skills required for jobs in various industries
2. List different learning and employability related GOI and private portals and their usage

Constitutional values - Citizenship

Duration: 1.5 Hours

3. Explain the constitutional values, including civic rights and duties, citizenship, responsibility towards society and personal values and ethics such as honesty, integrity, caring and respecting others that are required to become a responsible citizen
4. Show how to practice different environmentally sustainable practices.

Becoming a Professional in the 21st Century

Duration: 2.5 Hours

5. Discuss importance of relevant 21st century skills.

6. Exhibit 21st century skills like Self-Awareness, Behavior Skills, time management, critical and adaptive thinking, problem-solving, creative thinking, social and cultural awareness, emotional awareness, learning to learn etc. in personal or professional life.
7. Describe the benefits of continuous learning.

Basic English Skills

Duration: 10 Hours

8. Show how to use basic English sentences for everyday conversation in different contexts, in person and over the telephone
9. Read and interpret text written in basic English
10. Write a short note/paragraph / letter/e -mail using basic English

Career Development & Goal Setting

Duration: 2 Hours

11. Create a career development plan with well-defined short- and long-term goals

Communication Skills

Duration: 5 Hours

12. Demonstrate how to communicate effectively using verbal and nonverbal communication etiquette.
13. Explain the importance of active listening for effective communication
14. Discuss the significance of working collaboratively with others in a team

Diversity & Inclusion

Duration: 2.5 Hours

15. Demonstrate how to behave, communicate, and conduct oneself appropriately with all genders and PwD
16. Discuss the significance of escalating sexual harassment issues as per POSH act.

Financial and Legal Literacy

Duration: 5 Hours

17. Outline the importance of selecting the right financial institution, product, and service
18. Demonstrate how to carry out offline and online financial transactions, safely and securely
19. List the common components of salary and compute income, expenditure, taxes, investments etc.
20. Discuss the legal rights, laws, and aids

Essential Digital Skills

Duration: 10 Hours

21. Describe the role of digital technology in today's life
22. Demonstrate how to operate digital devices and use the associated applications and features, safely and securely
23. Discuss the significance of displaying responsible online behavior while browsing, using various social media platforms, e-mails, etc., safely and securely
24. Create sample word documents, excel sheets and presentations using basic features
25. utilize virtual collaboration tools to work effectively

Entrepreneurship

Duration: 7 Hours

26. Explain the types of entrepreneurship and enterprises
27. Discuss how to identify opportunities for potential business, sources of funding and associated financial and legal risks with its mitigation plan
28. Describe the 4Ps of Marketing-Product, Price, Place and Promotion and apply them as per requirement
29. Create a sample business plan, for the selected business opportunity

Customer Service

Duration: 5 Hours

30. Describe the significance of analyzing different types and needs of customers
31. Explain the significance of identifying customer needs and responding to them in a professional manner.
32. Discuss the significance of maintaining hygiene and dressing appropriately

Getting Ready for apprenticeship & Jobs

Duration: 8

Hours

33. Create a professional Curriculum Vitae (CV)
34. Use various offline and online job search sources such as employment exchanges, recruitment agencies, and job portals respectively
35. Discuss the significance of maintaining hygiene and confidence during an interview
36. Perform a mock interview
37. List the steps for searching and registering for apprenticeship opportunities
- 38.

Learning Outcome – Assessment Criteria

Module No.	Outcome	Assessment Criteria
1	Describe the design procedure and techniques related to kataka tarakasi works.	<p>After completion of this module students will be able to:</p> <ol style="list-style-type: none"> 1.1 Demonstrate fundamental Tarakasi design tools, materials, and their respective uses. 1.2 Create Attractive Jewellery Designs. 1.3 Identify different cuts, shapes, and varieties of gemstones. 1.4 Apply traditional and contemporary design techniques in the creation of jewellery pieces. 1.5 Assist in design projects tailored for domestic and international markets.
2	Assemble and solder strips or wires of precious metal to make final Tarakasi jewellery	<p>After completion of this module students will be able to:</p> <ol style="list-style-type: none"> 2.1 Demonstrate precise melting and shaping of 90% pure silver, with intricate hand-carving for Tarakasi jewellery. 2.2 Display clean, durable solder joints using borax and powder under controlled flame. 2.3 Create unique Tarakasi pieces with granulation, snow glazing, and casting techniques. 2.4 Explore new techniques for polished, refined Tarakasi jewellery.

Module No.	Outcome	Assessment Criteria
3	Explore traditional jewellery history, materials, cultural significance for modern applications	<p>After completion of this module students will be able to:</p> <p>3.1 Demonstrate historical and cultural significance of traditional jewellery types.</p> <p>3.2 Illustrate traditional materials and care methods.</p> <p>3.3 Assess intricate traditional jewellery designs.</p> <p>3.4 Demonstrate practical applications of traditional jewellery in various contexts.</p> <p>3.5 Analyze trends and blend traditional designs with modern adaptations.</p>
4	Demonstrate polishing procedure for platinum jewellery	<p>After completion of this module students will be able to:</p> <p>4.1 Execute precise stone setting techniques.</p> <p>4.2 Describe platinum polishing proficiency.</p> <p>4.3 Restore damaged pieces with expertise.</p> <p>4.4 Modify designs for practical polishing.</p> <p>4.5 Collaborate on tailored jewelry creations.</p> <p>4.6 Attention to detail in refinishing.</p>
5	OJT	Assessor will check report prepared for this component of Practical training of the course and assess whether competency has been developed to work in the real job situation with special emphasis on basic safety and hazards in this domain. (The trainee is expected to undertake work in actual workplace under any supervisor / contractor for 60 Hours.)
6	Employability Skill	As per guided curriculum

List of Tools, Equipment & materials needed for 30 Trainees (Practical)

SI No	Items Name	Specification	Qty
1	Silver	99.9% pure	600 gm
2	Iron Tongs	Sturdy grip, heat resistant, 6-8 inches	6 pcs
3	Chisel	As per designs standard	6 pcs
4	Hammer	100-200 grams, Wooden or Rubber Grip Ball Pein	6 pcs
5	Tweezers	Stainless Steel, 4-6 inches	6 pcs
6	Files	High Carbon Steel, Bastard or Second Cut, 6-8 inches	12 pcs
7	Brushes	Standard	12 pcs
8	Flame Torch	Butane Torch with Refills, Adjustable flame, refillable	3 pcs

SI No	Items Name	Specification	Qty
9	Pipe Blower	standard	3 pcs
10	Cutters	standard	6 pcs
11	Dies	standard	12 pcs
12	Rolling Machine	Flat and Wire Combination, 4-6 inches wide, adjustable thickness	3 pcs
13	Various Punches	standard	12 pcs
14	Silver Dust	99.9% pure	600 gm
15	Anvil	Hardened Steel or Cast Iron, Horn, flat surface, various shapes	3 pcs

Marks Distribution

Outcome	Outcome Code	Total Th marks	Total Pr marks	Total OJT marks
Describe the design procedure and techniques related to kataka tarakasi works.	GJR/1306/OC1	30	160	0
Assemble and solder strips or wires of precious metal to make final Tarakasi jewellery	GJR/1306/OC2	60	160	0
Explore traditional jewellery history, materials, cultural significance for modern applications	GJR/1306/OC3	30	180	0
Demonstrate polishing procedure for platinum jewellery	GJR/1306/OC4	30	150	0
Work in real job situation with special emphasis on basic safety and hazards in this domain (OJT).	GJR/1306/OC5	0	0	150
Employability Skills – 60 Hrs	DGT/VSQ/N0102	50	0	0