



JEWELLERY MAKER: PATWA CURRICULUM

DURATION: 6 Months

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Technical Training for Polio-affectedees

The United Nations Industrial Development Organization (UNIDO) is the specialized agency of the United Nations mandated to promote industrial development and global industrial cooperation.

UNIDO's Education Programme strives to promote industry-relevant education and training for the sustainable industrial development of Pakistan.

The UNIDO Education Programme, in collaboration with the National Vocational & Technical Training Commission (NAVTTTC) and Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), has developed ten curricula as part of its Polio-Plus Initiative.

Amongst its main objectives, the United Nations' Polio-Plus Initiative is intended to aid in the rehabilitation of working-age disabled individuals by means of technical training programs in employable skills. With such training, it is projected that these individuals may then positively contribute, both socially and economically, within their respective communities.

In December 2013, teachers of selected Technical Educational & Vocational Training Authority (TEVTA) centres from the priority districts underwent such technical training for the specified ten curricula.

NAVTTTC delivered competency-based training to trainers of selected TEVTAs from several high-priority polio districts. The competency standards developed and validated during the curricula development process, now certified as National Standards, are to be used during

the training of polio-affected individuals. The workshop was markedly interactive in nature, focusing on group work and presentations while highlighting the intended goal of applicability in such competency-based trainings.

One notable trainer recounted his own experiences working with thousands affected by Polio in Pakistan. Noting their often absence from rigorous economic participation, he referred to these individuals as Pakistan’s ‘untapped resources’. The trainer also placed special emphasis on the work of disabled working-age individuals in the carpet industry and urged the other trainers to use this as an example during their own training to ensure the successful streamlining of polio-affectees into Pakistan’s workforce.

In order to sensitize participants and raise awareness on the matter, participants shared individual experiences linked to polio-affectees and working-age individuals. Most of the high-priority TEVTAs are located in smaller districts of Pakistan where trainers aimed to raise awareness through word-of-mouth. Additionally, they spoke of success stories and considered using these experiences as sources of inspiration during their own trainings for polio-affectees. Trainers were quick to suggest several untapped avenues to maximize the potential of this training.

It is imperative to note that although polio-affectees may require special attention and training, it must be delivered without compromising their dignity and self-esteem.

The idea is to train polio-affectees and equip them with the ability to earn a respectable living. The TEVTAs of these high-priority districts will carry out these trainings through the coordination and support of NAVTTC.

The pattern of the training is such that it will aim to merge the training of Life Skills Curriculum into the training polio-affectees will receive. Earlier in 2012, the Education Programme at UNIDO along with GIZ and NAVTTC developed a Curriculum on Life Skills.

The Life Skills component of this training will impart knowledge on the use of ‘soft skills’. This will result in employees who have:

Effective communication skills	A knack for internal and external customer care	Plain “common sense”	A good work ethic	Flexible attitude and are self-driven
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Since polio-affectees are disconnected from the mainstream workforce, their inclusion through the use of Life Skills Curriculum will make their transition into Pakistan's mainstream workforce smoother. If trainings consist of five sessions per week, three will consist of technical training for polio-affectees while the other two will incorporate 'Life Skills' trainings, thereby making it more effective and successful.

UNIDO hopes that the creation of these curricula will serve the purpose for which they were made i.e. the rehabilitation of working-age disabled individuals through technical training programs in employable skills, so that they may contribute socially and economically in their respective communities.

Furthermore, it is hoped that this training will serve to educate and sensitize local communities, particularly illiterate people & workers, on measures for prevention against fatal diseases and the benefits of early intervention while also mobilizing support in local communities for the polio eradication drive.

Name of course: Jewellery Making – PATWA

Introduction to Patwa:

Patwa is an ancient technique used to make jewellery by hand. In Patwa jewellery real beads, synthetic beads or crystals are strung together with thread to make attractive jewellery articles. It is one of the oldest techniques used to handcraft jewellery. A variety of colours can be present in any single article of jewellery.

Overall objectives of course:

- The students will learn and develop creative and technical skills for jewellery design to produce aesthetically pleasing and technically sound designs.
- To provide comprehensive training in handcrafting jewellery; from designing to bringing it into proper finished form.
- To maximize the production of high quality bead jewellery for local markets and exports.

Competencies gained after completion of course

On completion of the course the trainees will be able:

- To produce their own high quality gemstone jewellery.
- To contribute to the promotion of the jewellery sector in the international market

Job opportunities available immediately and in the future

- After completion of the course, students can work under jewellers to earn their own income.
- Students can run their own businesses, with very low budgets, from their homes.
- Students can start online jewellery businesses, selling to both local and international markets.

Trainee entry level:

Primary/ Middle

Minimum qualification of trainer :

- 2 year course in Jewellery designing & Making, with 3 years of experience
- Graduation in the relevant field.







Medium of Instruction:















- English and Urdu













Sequence of the modules

No.	Modules
01	Provide Material
02	Design development and sketching
03	Identify the type of Jewellery
04	Perform arrangement of loose material
05	Perform Bead Hanging/Bead Stringing
06	Make dholna
07	Make Dori
08	Observe health and safety measures

2) Overview of the program – Curriculum for Jewellery making – Patwa

Module Title and Aim	Learning Units	Theory ¹ Days/hours	Workplace ² Days/hours	Timeframe of modules
<p>Module 1 Title: Provide material</p> <p>Aim: To understand the difference in crystals, beads and pearls. To understand the price differences of material in market.</p>	<ul style="list-style-type: none">  Identify the type of required material  Approach to the raw material market  Purchase of required material 	12hrs	48hrs	60hrs
<p>Module 2 Title: Design development and sketching.</p> <p>Aim: To develop an ability to draw technically, for the purposes of jewellery design. To understand accuracy and depth in design proportions. To build an ability to visualize different shapes.</p>	<ul style="list-style-type: none">  Basic Shapes  Make designs with basic shapes  Perspective and proportions 	25hrs	35hrs	60hrs

<p>Module 3 Title: Identify the Type of Jewellery</p> <p>Aim: To distinguish between the different types of Jewellery. To understand the difference in required weights for different Jewellery articles. To develop designs for any kind of Jewellery piece.</p>	<ul style="list-style-type: none">  Make Necklace  Make Earpiece  Make Bracelet  Make tika or bindi  Make jhomer and silsila  Make necklace 	30hrs	110hrs	140hrs
<p>Module 4: Title: Perform arrangement of loose material</p> <p>Aim: To develop technical sketching of jewellery in loose form. To be able to check and change colour combinations in loose form.</p>	<ul style="list-style-type: none">  Identify colours and colour combinations  Collect required material  Sketch designs  Practice stringing together loose beads 	30hrs	110hrs	140hrs
<p>Module:5 Title: Perform Bead Hanging/ Bead Stringing</p> <p>Aim: Learn the connection between beads, stringing and hanging. To create real articles of jewellery.</p>	<ul style="list-style-type: none">  Perform cluster hanging  Perform bead stringing  Perform crystal hanging  Perform tumble hanging 	30hrs	90hrs	120hrs

<p>Module: 6 Title: Make Dholna</p> <p>Aim: Learn the connection between beads, stringing and hanging. To create real articles of jewellery.</p>	<ul style="list-style-type: none">  Identify the design of dholna.  Practice beading a dholna  Practice threads work on dholna. 	10hrs	90hrs	100hrs
<p>Module: 7 Title: Make Dori</p> <p>Aim: To make decorative accessories for jewellery. To promote traditional Pakistani jewellery in the jewellery sector. To add colour and aesthetic appeal to jewellery.</p>	<ul style="list-style-type: none">  Collect material  Make Multani dori  Make Sarswati dori  Make Nauratani dori  Make Indial dori  Make twisted dori 	10hrs	120hrs	130hrs
<p>Module: 8 Title: observe health and safety measures</p> <p>Aim: To avoid possible safety hazards. To ensure general health safety.</p>	<ul style="list-style-type: none">  Ensure a proper work bench is used  Practice personal safety  Secure waste 	30hrs	30hrs	60hrs

Patwa Curriculum Content (Teaching and Learning Guide)

Module: 1

Title: Provide material

Objectives of the Module:

To understand the difference in crystals, beads and pearls.

To understand the price difference of materials in market.

Duration: 60 hours

Theory: 12 hours

Practice: 48 hours

Learning Unit	Learning Outcomes	Learning Elements	Duration	Materials Required	Learning Place
1) Identify the type of required material	The learner will be able to identify the type, quality and quantity of required material.	<p>Knowledge of/Knowledge imparted:</p> <ul style="list-style-type: none"> • Basic knowledge of precious stones, semi-precious stones, beads and crystals. • Use of tools and equipment as specified. <p>Ability to:</p> <ul style="list-style-type: none"> • P1. Identify the type and quality of material as per specification. • P2. Ensure affordability and use of acquired material. • P3. Assess the quality and quantity of required material. • P4. Estimate correctly the cost of raw material. 	4+16= 20hrs	<ol style="list-style-type: none"> 1. Cutter 2. Cateera 3. Tweezers 4. Salai 5. Salama-Dabka 6. Thread 7. Beads 8. Tumbles 9. Crystals 	Classroom
2) Approach	The learner will be	Knowledge of/Knowledge imparted:	4+16=	1. Beads	Classroom

to the raw material market	able to visit the market and make use of the information collected during perusal of relevant lists.	<ul style="list-style-type: none"> This step requires keen attention, sharpness of mind and experience to get the best available raw material. <p>Ability to:</p> <ul style="list-style-type: none"> Ensure that the market identified for raw material is appropriate. Peruse effectively check list/price list of materials required. 	20hrs	<ol style="list-style-type: none"> Threads Sooti Elfy Kateera Salma Chimney Plier Siley Ring 	
3) Purchase of different types of material	The learner will purchase all material as per requirement.	<p>Knowledge of/Knowledge imparted:</p> <ul style="list-style-type: none"> Basic knowledge of precious stones, semi-precious stones, beads and crystals. Knowledge of kinds of gems. Use of tools and equipment. Measurement and weight standards. <p>Ability to:</p> <ul style="list-style-type: none"> Ensure weights are according to requirements. Ensure that material purchased is precious, semi-precious or synthetic as per requirement. 	4+16=20hrs		Classroom

Module 2:

Title: Design Development and Sketching

Objectives of the Module:

To develop an ability to draw technically, for the purposes of jewellery design.

To understand accuracy and depth in design proportions.

To build an ability to visualize different shapes.

Duration: 60 hrs

Theory: 25 hrs

Practice: 35 hrs

Learning Unit	Learning Outcomes	Learning Elements	Duration	Materials Required	Learning Place
1) Basic Shapes	The learner will be able to recognise and draw all basic shapes.	<p>Knowledge of/Knowledge imparted:</p> <ul style="list-style-type: none"> Repeating drawing techniques as much as possible to develop skill so that the design produced possesses adequate balance. <p>Ability to:</p> <ul style="list-style-type: none"> Draw Create level and balanced sketches Recognise exact shapes Use rulers in drawing Create neat drawings Ensure accuracy in measurement of shapes 	2+8=10hrs	1) A3 papers 2) Pencils 3) Eraser 4) Ruler 5) Drawing board 6) Fixed table	classroom
2) Make designs with basic shapes	The learner will be able to draw and sketch designs for jewellery.	<p>Knowledge of/Knowledge imparted:</p> <ul style="list-style-type: none"> Suitable shapes Suitable rates Quality of materials used, especially the 'luster' should be of a high quality 	5+20=25hrs	1) A3 papers 2) Pencils 3) Eraser 4) Ruler	Classroom

		<p>The shape, shine, firmness and weight are of key concern</p> <p>Ability to:</p> <ul style="list-style-type: none"> • Understand the basic shapes • Use basic shapes in design • Ensure neatness of work 		<p>5) Drawing board</p> <p>6) Fixed table</p>	
3) Perspective and proportions	The learner will learn to create depth in design.	<p>Knowledge of/Knowledge imparted:</p> <ul style="list-style-type: none"> • That sequence is the major concern. (the biggest bead must be in the centre and the small ones must be last; they are to be arranged in a balanced way) <p>Ability to:</p> <ul style="list-style-type: none"> • Ensure the sizes are according to rule of perspective. • Maintain proportions as per design requirements 	5+20=25hrs	<p>1) A3 papers</p> <p>2) Pencils</p> <p>3) Eraser</p> <p>4) Ruler</p> <p>5) Drawing board</p> <p>6) Fixed table</p>	Classroom

Module 3:

Title: Identify the Type of Jewellery

Objectives of the Module:

To be able to distinguish between the different types of jewellery.

To understand the differences in weight required by different jewellery articles.

To develop designs for any kind of jewellery.

Duration: 120hrs

Theory: 30 hrs

Practice: 90hrs

Learning Unit	Learning Outcomes	Learning Elements	Duration	Materials Required	Learning Place
1) Make Necklace	The learner will learn about sizes and styles of necklaces.	<p>Knowledge of/Knowledge imparted:</p> <ul style="list-style-type: none"> Design according to shape and setting of necklace. Quality of beads is of key concern for the creation of elegance. <p>Ability to:</p> <ul style="list-style-type: none"> Ensure the appropriate direction/alignment of the beads. Use good quality luster in producing articles. Recognise and adjust for the fact that, with different shapes and required levels of elegance, the production processes of necklaces differ 	5+19= 24hrs	1) Precious, semi-precious and synthetic beads stones or crystals. 2) Findings 3) Thread 4) Cutter 5) Tray 6) Ruler 7) Lust 8) Work bench 9) Table lamp 10) Needle	Training workshop
2) Make Earpiece	The learner will be able to make an ear ornament.	<p>Knowledge of/Knowledge imparted:</p> <ul style="list-style-type: none"> For both the ear pieces, the base should 	4+20= 24hrs	1) Precious, semi-precious and synthetic beads	Training workshop

		<p>be the same</p> <ul style="list-style-type: none"> • While seeding, the balance is of key concern <p>Ability to:</p> <ul style="list-style-type: none"> • Create identical ear pieces • Create balanced articles • Use quality locks 		<p>stones or crystals.</p> <ol style="list-style-type: none"> 2) Findings 3) Thread 4) Cutter 5) Tray 6) Base for ear piece 7) Work bench 8) Lust 9) needle 	
3) Make Bracelet	The learner will be able to make bracelets for every wrist size.	<p>Knowledge of/Knowledge imparted:</p> <ul style="list-style-type: none"> • Size taking is crucial, as elegance depends on appropriation of size • The bracelet should not be too heavy <p>Ability to:</p> <ul style="list-style-type: none"> • Create a circular bracelet of appropriate size • Create a bracelet of appropriate weight (not too heavy) • Create a 'strong' bracelet. 	5+19=24hrs	<ol style="list-style-type: none"> 1) Precious, semi-precious and synthetic beads, stones or crystals. 2) Findings 3) Thread 4) Cutter 5) Tray 6) Ruler 7) Lust 8) Work bench 9) Table lamp 10) Needle 	Training workshop
4) Make tika or bindi.	The learner will be able to make jewellery accessories for the forehead.	<p>Knowledge of/Knowledge imparted:</p> <ul style="list-style-type: none"> • Measuring the centre piece, then the beads. • The length of the centre piece is mostly 4 to 5 inches • This article is mostly used in wedding functions <p>Ability to:</p> <ul style="list-style-type: none"> • Create an elegant article of jewellery 	4+20=24hrs	<ol style="list-style-type: none"> 1) Precious, semi-precious and synthetic beads stones or crystals. 2) Findings 3) Thread 4) Cutter 5) Tray 6) Ruler 7) Lust 	Training workshop

				8) Work bench 9) Table lamp 10) Needle	
5) Make jhomer and silsila	The learner will be able to make jhomer and silsila by stringing together beads.	<p>Knowledge of/Knowledge imparted:</p> <ul style="list-style-type: none"> • Length of Jhumar (About 5 to 6 inches) • Support used • The silsila should be of appropriate length <p>Ability to:</p> <ul style="list-style-type: none"> • Make these articles using beads. 	5+19=24hrs	1) Precious, semi-precious and synthetic beads stones or crystals. 2) Findings 3) Thread 4) Cutter 5) Tray 6) Ruler 7) Lust 8) Work bench 9) Table lamp 10) Needle	Training workshop

Module 4:

Title: Perform arrangement of loose materials

Objectives of the Module:

To be able to develop a technical sketch of jewellery in loose form.

To be able to check and change colour combinations of jewellery in loose form.

Duration: 140hrs

Theory: 30hrs

Practice: 110hrs

Learning Unit	Learning Outcomes	Learning Elements	Duration	Materials Required	Learning Place
1) Identify colours and colour combinations	The learner will be able to identify colours of loose material.	Knowledge of/Knowledge imparted: <ul style="list-style-type: none">• Warm colours• Cool colours• Combinations• Shades Ability to: <ul style="list-style-type: none">• Adjust independent materials to make effective combinations• Be creative with materials used• Ensure that colour combinations are contrasts or shades• Ensure the good quality of synthetic material	5+25= 30hrs	1) Colour wheel chart 2) Fixed table.	classroom
2) Collect required material	The learner will be able to collect all required material as per specification.	Knowledge of/Knowledge imparted: <ul style="list-style-type: none">• Quality of material• Usage of material Ability to:	5+25= 30hrs	1) Precious, semi-precious and synthetic beads stones or crystals.	classroom

		<ul style="list-style-type: none"> • Ensure the quality of thread as per specification • Ensure correct size of findings (accessories and metals) • Ensure that the size and weight of beads and crystals is according to specification 		<ol style="list-style-type: none"> 2) Colour wheel chart 3) Findings 4) Cutter 5) Tray 6) Ruler 7) Lust 8) Fixed table 	
3) Sketch designs	The learner will be able to create a technical sketch of jewellery articles.	<p>Knowledge of/Knowledge imparted:</p> <ul style="list-style-type: none"> • “Picking” the mind of customers and figuring out their requirements. <p>Ability to:</p> <ul style="list-style-type: none"> • Ensure that the weight of a design is in accordance with specifications. • Ensure that the position and size of materials is right for specific article of Jewellery being produced • Maintain the size of required material for an article of Jewellery 	8+32=40hrs	<ol style="list-style-type: none"> 1) A3 papers 2) Pencils 3) Eraser 4) Ruler 5) Drawing board 6) Fixed table 	classroom
4) Practice stringing together loose beads	The learner will be able to string together loose beads as per requirement.	<p>Knowledge of/Knowledge imparted:</p> <ul style="list-style-type: none"> • Ensuring correct sizes of the material • Vision for composition <p>Ability to:</p> <ul style="list-style-type: none"> • Place loose material in its appropriate position in accordance 	8+32=40hrs	<ol style="list-style-type: none"> 1) Precious, semi- precious and synthetic beads stones or crystals. 2) Findings 3) Tray 4) Ruler 5) Work bench 	classroom

		with an already present sketched design <ul style="list-style-type: none"> • Create a colour combination as required • Maintain the colour balance of loose material 		6) Table lamp 7) Paper	
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Module 5:

Title: Perform Bead Hanging/Bead Stringing

Objectives of the Module:

To Learn the connection between beads, stringing and hanging

To give a solid form to jewellery articles.

Duration: 130hrs

Theory: 30hrs

Practice: 90hrs

Learning Unit	Learning Outcomes	Learning Elements	Duration	Materials Required	Learning Place
1) Perform cluster Hanging	The learner will be able to design and create clusters of different designs.	Knowledge of/Knowledge imparted: <ul style="list-style-type: none"> • Size of cluster • Quantity of cluster • Usage of cluster on string or at the end of a Jewellery article Ability to: <ul style="list-style-type: none"> • Use clusters as dictated by the design requirement • Ensure an accurate combination while using clusters. • Ensure the design for clusters is 	4+16=20hrs	1) Precious, semi-precious and synthetic beads stones or crystals. 2) Findings 3) Tray 4) Ruler 5) Work bench 6) Table lamp 7) Lust 8) Tweezers 9) Vernier caliper	Training workshop

		<p>followed</p> <ul style="list-style-type: none"> • Maintain the neatness and conduct proper finishing of clusters. 			
2) Perform stringing of beads	The learner will be able to design jewellery by stringing together beads.	<p>Knowledge of/Knowledge imparted:</p> <ul style="list-style-type: none"> • Size, weight and shape of material • Precious, semi-precious and synthetic stones <p>Ability to:</p> <ul style="list-style-type: none"> • Ensure the durability of threads and strings • Ensure the durability of knots on strings • Maintain the length of strings according to specifications of design • Perform the stringing of beads in as per requirements of design. 	7+28=35 hrs	<ol style="list-style-type: none"> 1) Precious, semi-precious and synthetic beads stones or crystals. 2) Findings 3) Tray 4) Ruler 5) Work bench 6) Table lamp 7) Thread 8) Cutter 	Training workshop
3) Perform hanging of crystals	The learner will be able to use crystals to make jewellery articles.	<p>Knowledge of/Knowledge imparted:</p> <ul style="list-style-type: none"> • Crystals being sharp • Crystals used should be suited to/according to the design <p>Ability to:</p> <ul style="list-style-type: none"> • Choose appropriately the hardness of stones which will be in contact with each other • Ensure the correct sizes of crystals are used. 	7+28=35hrs	<ol style="list-style-type: none"> 1) Crystals 2) Lust 3) Tweezers 4) Tray 5) Lamp 6) Work bench 7) Findings 	Training workshop
4) Perform hanging of	The learner will be able to use	<p>Knowledge of/Knowledge imparted:</p> <ul style="list-style-type: none"> • Tumbles are pieces of gemstones that 	7+28=30hrs	<ol style="list-style-type: none"> 1) Tumbles 2) Findings 	

tumbles	tumbles in jewellery designs.	<p>have been cut and polished</p> <p>Ability to:</p> <ul style="list-style-type: none"> • Ensure that the tumbles used are not damaged or cracked • Ensure the size of drills in tumbles is according to specification • Ensure the proper polishing and finishing of tumbles 		<p>3) Lust</p> <p>4) Pin wire</p> <p>5) Work bench</p> <p>6) Thread</p> <p>7) Table lamp</p>	
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Module :6

Title: Make Dholna

Objectives of the Module:

To add volume to jewellery articles.

To increase the aesthetic appeal and value of jewellery.

Duration: 100hrs

Theory: 10hrs

Practice: 90hrs

Learning Unit	Learning Outcomes	Learning Elements	Duration	Materials Required	Learning Place
1) Identify the design of dholna	The learner will be able to make a dholna of accurate size and weight.	<p>Knowledge of/Knowledge imparted:</p> <ul style="list-style-type: none"> • Shapes, sizes and designs used with different materials • Stones, crystals, pearls, clusters etc. <p>Ability to:</p> <ul style="list-style-type: none"> • Ensure the size of dholna is in line 	6+24= 30hrs	<p>1) Crystals</p> <p>2) Lust</p> <p>3) Tweezers</p> <p>4) Tray</p> <p>5) Lamp</p> <p>6) Work bench</p> <p>7) Findings</p>	Training workshop

		<p>with requirements</p> <ul style="list-style-type: none"> • Ensure the weight of dholna is as specified • Use dholna at its proper position • Use clusters on dholna as required. 		<p>8) Cutter 9) Thread 10) Dabka 11) Dholna 12)</p>	
2) Practice beading Dholna	The learner will be able to add beads to dholna.	<p>Knowledge of/Knowledge imparted:</p> <ul style="list-style-type: none"> • Use of clusters and strings in beading dholna <p>Ability to:</p> <ul style="list-style-type: none"> • P1. Use beads of proper weight • P2. Ensure the proper finishing of knots on threads. 	8+32= 40hrs	<p>1) Crystals 2) Lust 3) Tweezes 4) Tray 5) Lamp 6) Work bench 7) Findings 8) Cutter 9) Thread 10) Dabka 11) Dholna</p>	Training workshop
3) Practice thread work on dholna	The learner will be able to use technical thread work to make dholna.	<p>Knowledge of/Knowledge imparted:</p> <ul style="list-style-type: none"> • Number of strings to be used. • Required length and weight. • Stones and crystals used <p>Ability to:</p> <ul style="list-style-type: none"> • Use the correct number of strings required by a design. • Ensure the thread used is durable • Perform dholna threading correctly: from the centre to one end, then from the centre to the other end. 	6+24= 30hrs	<p>1) Crystals 2) Lust 3) Tweezes 4) Tray 5) Lamp 6) Work bench 7) Findings 8) Cutter 9) Thread 10) Dabka 11) Dholna</p>	Training workshop

Module :7**Title: Make Dori****Objectives of the Module:**

To make decorative accessories for jewellery.

To promote traditional Pakistani jewellery in the jewellery sector.

To add colour and aesthetic appeal to jewellery.

Duration: 130hrs

Theory: 10hrs

Practice: 120hrs

Learning Unit	Learning Outcomes	Learning Elements	Duration	Materials Required	Learning Place
1) Collect material	The learner will be able to collect the material required for dori making.	<p>Knowledge of/Knowledge imparted:</p> <ul style="list-style-type: none"> Types of threads and colours that are available. silk threads, cotton threads and other textures <p>Ability to:</p> <ul style="list-style-type: none"> Ensure material collected meets certain standards, is of good quality and has lasting colour. 	2+8= 10hrs	1) Thread 2) Nylon 3) Needle	Training workshop
2) Make Multani Dori	The learner will be able to make Multani dori using specific colours.	<p>Knowledge of/Knowledge imparted:</p> <ul style="list-style-type: none"> Types of threads, colours and textures used <p>Ability to:</p> <ul style="list-style-type: none"> Ensure colours used are durable 	2+8= 20hrs	1) Basic colours threads 2) Needle 3) Table lamp 4) Fixed table	Training workshop
3) Make Saraswati	The learner will be able to make	<p>Knowledge of/Knowledge imparted:</p> <ul style="list-style-type: none"> Identifying colours and threads 	5+20= 25hrs	1) Thread: Seven colours	Training workshop

dori	Saraswati dori using specific colours.	<ul style="list-style-type: none"> Information on Salma- Dabka Size of threads available <p>Ability to:</p> <ul style="list-style-type: none"> Ensure that seven colours are used to design a Saraswati dori 		<ol style="list-style-type: none"> Needle Table lamp Fixed table 	
4) Make Nauratan Dori	The learner will be able to make nauratani dori with nine colours.	<p>Knowledge of/Knowledge imparted:</p> <ul style="list-style-type: none"> Different colours to be used The appropriate colour combination <p>Ability to:</p> <ul style="list-style-type: none"> Ensure appropriate size and thickness of the dori 	5+20=25hrs	<ol style="list-style-type: none"> Thread: Nine colours Needle Table lamp Fixed table 	Training workshop
5) Make Indian Dori	The learner will be able to make Indian dori with its specific threads and beads.	<p>Knowledge of/Knowledge imparted:</p> <ul style="list-style-type: none"> The size of the dori to be designed Material that is to be added is to be placed in the centre <p>Ability to:</p> <ul style="list-style-type: none"> Make use of appropriate threads and colours Choose the right colours, which are durable Use appropriate lengths and widths of thread for different designs. 	5+20=25hrs	<ol style="list-style-type: none"> Thread Needle Beads Table lamp Elfy Cutters 	Training workshop
6) Make Twisted Dori	The learner will be able to make twisted dori.	<p>Knowledge of/Knowledge imparted:</p> <ul style="list-style-type: none"> Size and number of threads used The required design 	5+20=25hrs	<ol style="list-style-type: none"> Thread Needle Beads Table lamp Elfy 	

		Ability to: <ul style="list-style-type: none"> • Make a twisted dori of appropriate size • Ensure the colours used to make the dori are appropriate • Ensure dori is durable 		6) Cutters	
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Module :8

Title: Health and Safety Measures

Objectives of the Module:

To avoid possible safety hazards.

To ensure general health safety.

Duration: 60hrs

Theory: 30hrs

Practice: 30hrs

Learning Unit	Learning Outcomes	Learning Elements	Duration	Materials Required	Learning Place
1) Ensure a proper work bench is used	The learner will be able to identify the proper tools and equipment used on a work bench.	Knowledge of/Knowledge imparted: <ul style="list-style-type: none"> • Basic knowledge of hand tools. • Use of tools/ equipment • Types of work benches Ability to: <ul style="list-style-type: none"> • Arrange tools following the standard operating procedures (SOP) of a goldsmith • Store precious metals in specially 	2+8= 10hrs		Training workshop

		<p>made lockers to keep these materials safe</p> <ul style="list-style-type: none"> • Work with hand tools, following standard operating procedures (SOP) • Follow personal safety precautions as per requirements 			
2) Practice personal safety	The learner will be able to carry out work safely and avoid hazards	<p>Knowledge of/Knowledge imparted:</p> <ul style="list-style-type: none"> • Using acids • Use of tools and equipment <p>Ability to:</p> <ul style="list-style-type: none"> • Ensure the safe usage of potentially dangerous substances (HCL, HNO₃, H₂SO₄, Natural gas) in a controlled environment. • Ensure safety measures according to SOPs are undertaken before using any sharp apparatus • Use proper tools/chemicals • Handle acids carefully (using gloves and goggles) 	2+8=10hrs		Training workshop
3) Secure waste	The learner will be able to retrieve precious metals from waste.	<p>Knowledge of/Knowledge imparted:</p> <ul style="list-style-type: none"> • Procedure for recovery of precious metals • Chemical properties and characteristics of metals • Safety precautions <p>Ability to:</p> <ul style="list-style-type: none"> • Ensure precious metals are recovered. 	6+24=30hrs	<p>1) Cotton cloth</p> <p>2) Table lamp</p> <p>3) Tray</p>	

		<ul style="list-style-type: none">• Perform chemical tests following standard operating procedures (SOP)• Wear safety gloves as required• Wear safety goggles as required• Perform safety steps during work in accordance with standard operating procedures (SOPs)• Follow personal safety precautions required by the work being undertaken			
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General Assessment Guide for Jewellery Maker – Patwa

Module 1

Provide Material

Learning Units	Theory Days/hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
Identify the type of required material	4hrs	16hrs	Demonstrating knowledge of the types of precious stones, semi precious stones and artificial beads and crystals Describing correct use of tools and equipments	1) Oral Questions and answers 2) Practical demonstration by trainee.	
Approach to the raw material market	2hrs	18hrs	First-hand observation of price lists in the market made by trainee	1) Short Questions and Answers	
Purchase of required material	6hrs	14hrs	Demonstrating Knowledge of sizes and shapes of beads and crystals Demonstrating correct use of tools.	1) Oral Questions 2) Short questions and answers	

Module 2

Design development and sketching

Learning Units	Theory Days/hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
Basic Shapes	2hrs	8hrs	1) Listing the names of basic shapes. 2) Identifying the basic shapes	1) Illustrative test requiring diagrams.	

Make designs with basic shapes	11.5hrs	13.5hrs	<ol style="list-style-type: none"> 1) Describing how a design will be made from basic shapes. 2) Demonstrating use of balance in designs. 	<ol style="list-style-type: none"> 1) Illustrative test requiring diagrams 2) Short question answers. 	
Perspective and proportions	11.5hrs	13.5hrs	<ol style="list-style-type: none"> 1) Demonstrating knowledge of how basic shapes will be converted into 3-D shapes. 2) Demonstrating the use of proportions in design. 	<ol style="list-style-type: none"> 1) Demonstration of proportions by trainee. 2) Illustrative test requiring perspective. 	

Module 3:

Title: Identify the Type of Jewellery

Learning Units	Theory Days/hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
Make Necklace	6.5hrs	20hrs	<ol style="list-style-type: none"> 1) Describing the types of necklace. 2) Demonstrating knowledge of the appropriate length of necklaces as dictated by different styles. 	<ol style="list-style-type: none"> 1) Short Question Answers 2) Direct observation: practical demonstration by the trainee exhibiting an ability to measure lengths according to design. 	

Make ear piece	7hrs	15hrs	<ol style="list-style-type: none"> 1) Describing the types of earpieces. 2) Demonstrating knowledge of the appropriate length and weight of an earpiece as dictated by the style. 	<ol style="list-style-type: none"> 1) Short Question Answers 2) Direct observation: practical demonstration by the trainee exhibiting an ability to measure lengths according to design. 	
Make Bracelet	5.5hrs	20hrs	<ol style="list-style-type: none"> 1) Describing the types of bracelets. 2) Demonstrating Knowledge the appropriate length of bracelets as dictated by the style. 	<ol style="list-style-type: none"> 1) Short Question Answers 2) Direct observation: practical demonstration by the trainee exhibiting an ability to measure lengths according to design. 	
Make tika or bindi .	5.5hrs	20hrs	<ol style="list-style-type: none"> 1) Describing the types of tika. 2) Demonstrating knowledge of the appropriate length of tika as dictated by the style. 	<ol style="list-style-type: none"> 1) Short Question Answers 2) Direct observation: practical demonstration by the trainee exhibiting an 	

				ability to measure lengths according to design.	
Make jhomer / Silsila	5.5hrs	15hrs	<ol style="list-style-type: none"> 1) Describing the types of jhomer /silsila. 2) Demonstrating knowledge of the appropriate length of tika as dictated by the style. 	<ol style="list-style-type: none"> 1) Short Question Answers 2) Direct observation: practical demonstration by trainee exhibiting an ability to measure lengths according to design. 	

Module 4

Perform arrangement of loose material

Learning Units	Theory Days/hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
Identify colours and colour combinations	7.5hrs	22.5hrs	1) Demonstrating use of the colour wheel for creating combinations.	1) Direct observation: trainee exhibiting correct use of colour wheel. 2) Multiple choice questions	
Collect required material	7.5hrs	22.5hrs	1) Accurately describing the quantity of required material.	1) Short Question Answers 2) Multiple choice questions	
Sketch designs	9hrs	31hrs	1) Describing the pattern in accordance with a customer demands. 2) Listing the design styles in accordance with customer demand.	1) Illustrative test requiring diagram. 2) Multiple choice questions	
Practice stringing together of loose beads	6hrs	34hrs	1) Direct observation: loose-beading sketch and design on paper.	1) Multiple choice question	

Module 5

Perform Bead Hanging/ Bead stringing

Learning Units	Theory Days/hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
1) Perform hanging of clusters	7.5hrs	12.5hrs	1) Demonstrating knowledge of the styles and types of cluster hanging.	1) Practical demonstration by trainee.	
2) Perform stringing of beads	10hrs	25hrs	1) Demonstrating knowledge of the styles and techniques of stringing beads. 2) State required lengths of strings.	1) Practical demonstration by trainee. 2) Multiple choice question	
3) Perform crystal hanging	7hrs	28hrs	1) Demonstrating knowledge of the styles and types of crystal hangings.	1) Practical demonstration by trainee.	
4) Perform tumble hanging	5.5hrs	24.5hrs	1) Demonstrating Knowledge of the styles and types of tumble hangings.	1) Practical demonstration by trainee.	

Module :6**Title: Make Dholna**

Learning Units	Theory Days/hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
1) Identify the design of dholna	3hrs	27hrs	1) Describing the sizes and designs of dholna.	1) Short question answers.	
2) Practice beading the Dholna	4rs	36hrs	1) Direct observation: being able to practice beading the dholna.	1) Practical demonstration by trainee. 2) Multiple choice questions	
3) Practice thread work on dholna	3hrs	27hrs	1) Direct observation: being able to practice thread work on dholna. 2) Describing the styles of dholna.	3) Practical demonstration by trainee. 1) Multiple choice questions.	

Module :7**Title: Make Dori**

Learning Units	Theory Days/hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
1) Collect material	5hrs	5hrs	1) Identifying the types of thread. 2) Identifying the appropriate lengths of thread. 3) Listing the material required for dori making.	1) Multiple choice questions. 2) Short question answers.	

2) Make Multani Dori	1hr	19hr	1) Knowing the basic colours used for making Multani Dori.	1) Demonstration of knowledge of the basic colours. 2) Practical demonstration by trainee: make multani dori.	
3) Make Sarawati dori	1hr	24hrs	1) Knowing the seven colours used for making saraswati Dori.	1) Demonstration of knowledge of the seven colours. 2) Practical demonstration by trainee: make saraswati dori.	
4) Make Nauratan Dori	1hr	24hrs	1) Knowing the nine colours used for making nauratni Dori.	1) Demonstration of knowledge of the nine colours. 2) Practical demonstration by trainee: make nauratni dori.	
5) Make Indian Dori	1hr	24hrs	1) Demonstrating the correct use of beads in Indian dori.	1) Demonstrated use of beads. 2) Practical demonstration by trainee: make Indian dori.	
6) Make Twisted Dori	1hr	24hrs	1) Listing the designs for making twisted dori with thread.	1) Illustrated designs by trainee. 2) Practical demonstration by trainee: make twisted dori.	

Module :8**Title: Health and Safety Measures**

Learning Units	Theory Days/hours	Workplace Days/hours	Recommended formative assessment	Recommended Methodology	Scheduled Dates
Ensuring a proper work bench is used	10rs	10hrs	1) List the tools for patwa jewellery making. 2) Describe the proper work bench for easy and comfortable work.	1) Multiple choice questions. 2) Proper work bench illustrated by trainee.	
Practice personal safety	10hrs	10hrs	1) Identify the tools and situations which can be dangerous during work.	1) Short question answers.	
Secure waste	10hrs	10hrs	1) Directly observing the trainee retrieve precious metals from waste.	1) Practical demonstration by trainee: retrieve precious metals from waste	

2) List of Tools, Machinery & Equipment

Name of Trade	Jewellery Making - Patwa
Duration	6 Months

Sr. No.	Name of Item/ Equipment / Tools
1.	Cutter
2.	Tweezers
3.	Needle
4.	Weighing machine
5.	Steel ruler
6.	Magnifying glass
7.	Pin nose pliers
8.	Round nose pliers
9.	Flat nose pliers
10.	Fixed table
11.	Table lamp
12.	Drawing board
13.	Tray
14.	Work bench
15.	Gloves
16.	Scissor
17.	Vernier calliper

2. List of Consumable Supplies

Name of Trade	Jewellery Making -Patwa
Duration	6 Months

Sr. No.	Name of Consumable Supplies
1.	Pencil
2.	Eraser
3.	A3 paper
4.	Real or synthetic crystals
5.	Real or synthetic beads
6	Real or synthetic tumbles
7	Nylon thread
8	Thread
9	Dabka
10	Salma
11	Findings
12	Lust
13	Colour wheel chart
14	Elfy
15	Dholna
16	Pin wire

Critical Aspect: Careful handling of tools and equipment, safety (personal and extraneous), courteous behaviour with customers.

Assessment Condition: The learner will have access to all tools. The learner will be required to communicate their answers to the assessor.