National Vocational Certificate Level 2 in textiles (Dress Making)

Competency Standards













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Competency Standard

These competency Standards cover the Dress Maker trade and include a *total* of **30** competencies, they cover **7** key functions, Analyze the Design, prepare for dress making operations, develop pattern, perform fabric cutting, perform stitching, finish garment and develop professionalism of Dress Maker Trade.

Competency Title A: Analyze the design

Overview: This Competency Standard identifies the competencies required to plan work for Dress Making in accordance with the organization's approved guidelines and procedures. You will be expected to take design specifications from the client, Carry out measurement according to design, Calculate Proportions of the fabric design and Estimate cost of the labour charges and material: Your underpinning knowledge regarding plan work for dress making will be sufficient to provide you the basis for your work.

| Unit of Competency | Performance Criteria | Knowledge | Tools & Equipment |
|--|--|--|---|
| A1. Take design specifications from the client | P1. List down the requirement of the client as per design Style Fabrications Quantity Time frame Budget Colour P2. Develop and maintain sample catalogue of garment design. P3. Calculate realistic time frame analysis for completion and delivery of the order according to design. | K1. Process of: Fabricate the style Take sizes Choose Colour combinations Manage the time frame Manage cost estimate K2. Specification sheet. K3. Market trends for fashion and design K4. Requirements of developing sample garment catalogue. K5. Design elements. K6. Concept of silhouette | Consumables: Specification sheets. Stationary items. Catalogues Invoice notebooks |

| Unit of Competency | Performance Criteria | Knowledge | Tools & Equipment |
|--|--|--|---|
| | P4. Determine silhouette which can suit best according to your subject`s overall look. | | |
| A2: Carry out measurement of the subject for the design. | Trainee must be able to: P1. Collect appropriate measuring tools. P2. Estimate correct measurement according to silhouette of the subject P3. Measure vertical, horizontal and circumferential measurements of the body. | Trainee must know and understand: K1. Numeracy knowledge and skills to carry out measurement. K2. Sequence of taking measurement(including carrure line) K3. Procedure and technique of measurement | Consumables: Note book Stationary items. Non Consumables: Measuring Tape Calculator Measuring Chart |
| A3. Calculate proportions of the fabric for the design. | P1. Determine the salvage/gain line of the fabric P2. Determine the grain line of the fabric according to the design and size. P3. Carry out the measurements of the fabric using effective measurements. P4. Assess best possible usage of fabric as per design. | K1. Concept of salvage / grain line (off grain, on grain and cross grain) K2. Ways of define sensible usage. K3. Calculation of the proportions of the fabric prior to cutting. | Consumables: • Fabric • Stationery Items Non Consumables: • Measuring Tape |

| Unit of Competency | Performance Criteria | Knowledge | Tools & Equipment |
|---|--|---|---|
| A4. Estimate Cost of Labor charges and Material | Trainee must be able to: P1. Estimate the required quantity of the material (fabric for trims, fusing, accessories etc.) P2. Calculate labour charges for the task as per design and market rates. | Trainee must know and understand:K1. Calculation of direct and indirect costsK2. Procedure of calculating the cost of labor according to the market trends. | Consumable: Note book Stationary items. |

Garment Competency Title B: Prepare for Dress Making Operations

Overview: This Competency Standard identifies the competencies required to take measurements for dresses for Dress Making in accordance with the organization's approved guidelines and procedures. You will be able to Collect materials for dress making, perform shrinkage and colour bleeding, Perform ironing of cloth, Prepare work area for dress making, Clean the sewing machine, Test sewing machine operations and Setup machine according to design. Your underpinning knowledge regarding measurement for dress making will be sufficient to provide you the basis for your work.

| Unit of Competency | Performance Criteria | Knowledge | Tools & Equipment |
|---------------------------|--|--|--|
| B1. Collect materials for | Trainee must be able to: P1. Procure fabrics and | Trainee must know and understand: | Non Consumables: |
| Dress making | accessories at best available prices. | K1. Types of materialsK2. Types of embellishments | FabricEmbellishment |
| | P2. Ensure the quality of the materials. | K3. Specification of materials K4. Garment/ Cottage industry | Consumables: Measuring Tape |

| Unit of Competency | Performance Criteria | Knowledge | Tools & Equipment |
|--|---|--|--|
| B2. Perform shrinkage and color bleeding | P3. Evaluate quantity of required material, fabric and accessories Trainee must be able to: P1. Explain shrinkage procedure and techniques for types of fabrics P2. Calculate the fabric length and width before shrinkage P3. Perform shrinkage of different fabrics. P4. Measure the colour bleeding tendency of the fabric with respect to time P5. Calculate the fabric length and width after shrinkage P6. Apply drying techniques after shrinkage. | regulation regarding K5. procurement process. Trainee must know and understand: K1. Procedure of shrinkage: Types of fabrics and time duration of shrinkage. K2. Types of fabrics and water temperature for shrinkage and color bleeding. K3. Impact of shrinkage on different types of fabrics. K4. The procedure/ treatment for the fermentation of color, if required. K5. Drying techniques for types of fabrics. | Non Consumables: • Measuring tools • Utensils Consumables: • Fabric • Water Salt |
| B3. Perform ironing of cloth. | Trainee must be able to: P1.Determine the accurate thermostat for ironing to the different fabric qualities. P2. Determine grain in order to iron the fabric. P3. Differentiate fabric for ironing and steam ironing on the fabric. P4. Perform ironing to the fabric. | Trainee must know and understand: K1. Quality and variety of fabrics in relation to thermostat for ironing. K2. Calibration Techniques on specific fabrics. K3. Importance of grain before applying ironing to the fabric. K4. Fabric quality for ironing. | Non Consumables: Ironing Table Iron Consumables: Fabric |

| Unit of Competency | Performance Criteria | Knowledge | Tools & Equipment |
|--|--|--|---|
| B4. Prepare work area for dress making | Trainee must be able to: P1. Identify suitable work area. P2. Make sure the work area is free from hazards P3. Use correct tools and equipment P4. Arrange the required furniture for the various tasks. P5. Prepare various work stations in work space for different tasks such as drafting, cutting and ironing. P6. Ensure storage space in work area. | Trainee must know and understand: K1. Suitable work area: space, light workstations, accessibility K2. Set of tools and equipment for working area/space K3. Importance of storage space for work area. K4. Importance of building task specific work stations/ space K5. Importance of proper allocation of work space for each task. K6. Setting adequate light for dress making K7. Backup plan for potential risks and hazards. | Non Consumables: |
| B5. Clean the sewing machine | P1. Use cleaning tools and appropriate methods for the cleaning the sewing machine P2. Clean external parts of machines for smooth running during job according to set procedure P3. Store cleaning tools safely after use | K1. Parts of machine K2. Functions of different parts of stitching machine. K3. Safety measures that need to be applied during cleaning machine/ equipment K4. Different types of cleaning tools. | Non- Consumables: Brush Tweezers Sewing machine Consumables: Cleaning fabric Machine oil |

| Unit of Competency | Performance Criteria | Knowledge | Tools & Equipment |
|-------------------------------------|--|--|--|
| | P4. Identify various parts and requirements for setting the machine. P5. Ensure electric supply and lighting for your machine. | K5. Effects of contamination on products i.e. machine oil, dirt etc. | |
| B6. Test sewing machine operations. | Trainee must be able to: P1. Set up machine according to production requirements P2. Set machine controls for the materials being stitched P3. Select the parts (needle, needle plate and feed dog) of stitching machine as per design requirements P4. Thread the needle in the machine and adjust the needle as per the requirements P5. Wear Personal Protective Equipment (PPEs) during machine set up P6. Perform a test run to ensure machine is operating correctly | K1. Different types of designs to elaborate the stitching flow K2. Procedure to set the stitch size K3. Identify different types of needles according to fabric category. K4. Functions of different parts (needle, needle plate, etc of stitching machine. K5. Procedure to fix the needle in needle bar according to gauge K6. Importance of Personal Protective Equipment (PPEs) | Non Consumables: Machine Cloth Bobbin Bobbin winder Bobbin Case Consumables: Thread |

| Unit of Competency | Performance Criteria | Knowledge | Tools & Equipment |
|--|---|--|------------------------------------|
| B7. Setup machine according to design. | Trainee must be able to: P1. Adjust stitch size according to design P2. Adjust tension of thread according to stitch. P3. Ensure the material used meets the specification matching. | Trainee must know and understand: K1. Procedure to set the stitch size. K2. Procedure of setting the top tension adjustment. | Non Consumables: • Sewing machine |

Garment Competency Title C: Develop Pattern

Overview: This Competency Standard identifies the competencies required to Develop Pattern for Dress Making in accordance with the organization's approved guidelines and procedures. You will be expected to arrange pattern making tools, construct basic blocks, make pattern as per design requirements, Give seam allowance and finalize the pattern and then cut the pattern. Your underpinning knowledge regarding design development for dress making will be sufficient to provide you the basis for your work.

| Unit of Competency | Performance Criteria | Knowledge | Tools & Equipment |
|----------------------------------|---|---|--|
| C1. Arrange pattern making tools | P1. Identify the required pattern making tools P2. Check the operations and accuracy of the tool. | Trainee must know and understand:K1. Importance of pattern making tools.K2. Process of universal conversion methods | Non Consumables: • Measuring tools • Marking tools • Size charts • Specification |

| Unit of Competency | Performance Criteria | Knowledge | Tools & Equipment |
|---------------------------|---|---|--|
| | P3. Maintain pattern making tools P4. Collect the pattern making tools. | K3. Use of pattern making cutting tools. K4. Procedure to maintain pattern making tools. | sheets Sharpener Set Square Card Board sheet Cutter Scissor Steel Ruler French Curve Tracing Wheel Hip Curve Consumables : Drafting sheets Drafting pencils Eraser Tracing sheets Masking tape |
| C2. Construct basic block | P1. Identify types of blocks P2. Develop pattern according to measurement P3. Perform numerical calculations P4. Achieve drafting accurately P5. Perform accurate drafting on card board P6. Develop necklines and other lines P7. Mark Grain line according to design. | K1. Drafting techniques and procedures K2. Procedure of drafting pattern on card board K3. Procedure of pattern making according to size variations K4. Basic numerical skills K5. Process of labeling basic information on block. K6. Process of marking grain line | Non Consumables: Measuring tools Marking tools Size charts Specification sheets Sharpener Set Square Card Board sheet Cutter Scissor |

| Unit of Competency | Performance Criteria | Knowledge | Tools & Equipment |
|--|---|---|--|
| | | on pattern | Steel RulerFrench CurveTracing WheelHip Curve |
| C3 | Trainee must be able to: | Trainee must know and understand: | Consumables : • Drafting sheets • Drafting pencils • Eraser • Tracing sheets • Masking tape • |
| C3. Make pattern according to design variations and requirement. | P1. Mark grain line according to design P2. Trace basic bodice block for pattern P3. Perform pattern making P4. Use of tracing paper according to pattern P5. Carry out design variation P6. Mark points for design variation P7. Give the allowance for fit and wearing ease on the pattern. | K1. Process of tracing basic bodice block K2. Techniques for pattern making K3. Use of tracing paper while pattern making K4. Techniques to achieve design variation K5. Making pattern of customized design K6. Process of incorporate ease while finalizing the pattern K7. Importance of labeling, cutting details K8. Techniques for use of pattern making tools. K9. Universal standards of seam | Non Consumables: Measuring tools Cutting tools Marking tools Size charts Specification sheets Sharpener Pearl pins Consumables : Drafting sheets Pattern making sheets Drafting pencils |

| Unit of Competency | Performance Criteria | Knowledge | Tools & Equipment |
|--|--|---|---|
| | | allowance. | EraserTracing sheetsThin papers |
| C4. Give Seam Allowance and Finalize the Pattern | P1. Mark the points on pattern for the seam allowance. P2. Give the allowance for fit, wearing ease on the pattern. P3. Finalize the pattern for fabric cutting. P4. Apply seam allowances according to requirement. P5. Make information box. | Trainee must know and understand: K1.The Universal standards of seam allowances. K2. Types of seam allowances. K3. Steps of rechecking the pattern for any mistake/error. K4.Steps to adjust pattern and curves as per need. | Non Consumables: Measuring tools Cutting tools Marking tools Size charts Specification sheets Sharpener Pearl pins Consumables: Drafting sheets Pattern making sheets Drafting pencils Eraser Tracing sheets Thin papers |
| C5. Cut the Pattern | Trainee must be able to: P1. Arrange the required tools and | Trainee must know and understand: K1. Tools and equipment used for | Non Consumables: |
| | equipment P2. Cut the pattern according to the | cutting K2.Process of safely use of pattern making tools and equipment. | Measuring toolsCutting toolsCuter |

| Unit of Competency | Performance Criteria | Knowledge | Tools & Equipment |
|--------------------|----------------------|-----------|---|
| | marked line | | ScissorSharpener |

Competency Title D: Perform Fabric Cutting

Overview: This Competency Standard identifies the competencies required to different types of stitching techniques for Dress Making in accordance with the organization's approved guidelines and procedures. You will be expected to Arrange tools for cutting the fabric, examine grain line of fabric, set the pattern on fabric, perform cutting and apply fussing to the fabric according to design. Your underpinning knowledge regarding stitching for dress making will be sufficient to provide you the basis for your work.

| Unit of Competency | Performance Criteria | Knowledge | Tools & Equipment |
|--|---|---|--|
| D1. Handle tools for cutting the fabric. | P1. Identify the tools for cutting the fabric.P2. Identify the workplace for cutting the fabric. | Trainee must know and understand:K1. The importance of cutting the fabric straight.K2. The usage of tools for cutting the fabric. | Non Consumables: Cutting tools Measuring tools Common pins Fabric cutting scissors Sewing Box Consumables: Tailor's chalk |

| Unit of Competency | Performance Criteria | Knowledge | Tools & Equipment |
|-----------------------------------|---|--|--|
| D2. Examine grain line of fabric. | P1. Identify the grain line of the fabric. P2. Perform the ironing of the fabric. P3. Perform the placement of the fabric according to design P4. Perform pinning of the fabric to work area. | K1. The importance of grain line.K2. Types of grain lines.K3. Ways to determine the grain line according to the design requirements.K4. Process of accurate pinning of the fabric to the work area. | Consumables: • Different types of fabrics |
| D3. Set the pattern on fabric. | P1. Arrange the tools and equipment to set the pattern. P2. Arrange the pattern according to the grain line of the pattern, P3. Pin the pattern on to the fabric. P4. Transfer notches from the pattern to the fabric. | K1. Tools and equipment required to set the pattern on to the fabric. K2. Importance of grain line while setting the pattern on to the fabric. K3. Importance of notches while transferring the pattern onto the fabric. K4. procedure to pin the pattern on to the fabric. | Non Consumables: Iron Pins Measuring Tape Pin Cushion Ironing Board Consumables: Taylors' Chalk |
| D4. Perform cutting | Trainee must be able to: P1. Arrange the tools and equipment for cutting. P2. Prepare fabric by ironing. P3. Prepare fabric for marking with a | Trainee must know and understand:K1. Tools and equipment used for fabric cuttingK2. Techniques to set accurate | Non Consumables : • Cutting Table. |

| Unit of Competency | Performance Criteria | Knowledge | Tools & Equipment |
|---|---|--|---|
| | chalk. P4. Mark notches on the garment. P5. Perform cutting operation on the fabric and mark pieces respectively. | thermostat according to the fabric quality. K3. Importance of marking notches on the fabric. | Fabric Cutting Scissor Iron Ironing Board Steel ruler Common Pins Steam Iron Pin Cushion Sleeve Board/ HAM |
| D5. Apply Fusing to the fabric according to design. | Trainee must be able to: P1. Paste fusing on required area of the fabric. P2. Collect required fusing. | Trainee must know and understand: K1. Types of fabrics and variety K2. Procedure of pasting fusing onto fabrics. K3. Setting of accurate thermostat to paste fusing. K4. Correct color selection of fusing as per fabrics. | Consumables: Different types of fusing Non Consumables: Cutting Table. Fabric Cutting Scissor Iron Ironing Board Steel ruler Common Pins Steam Iron Pin Cushion Sleeve Board/ |

Competency Title E: Perform Stitching

Overview: This Competency Standard identifies the competencies required to different types of stitching techniques for Dress Making in accordance with the organization's approved guidelines and procedures. You will be expected to perform basting, perform garment stitching and recheck the garment and alter if required. Your underpinning knowledge regarding stitching for dress making will be sufficient to provide you the basis for your work.

| Unit of Competency | Performance Criteria | Knowledge | Tools & Equipment |
|--------------------------------|--|---|--|
| E1. Perform basting. | P1. Arrange the tools and equipment used for basting the garments. P2. Over lock all the pieces of fabric. P3. Assemble all the pieces of fabric as per labelling / patterns | K1. Tools and equipment used in basting K2. Process of use different tools and equipment carefully for basting K3. Process of stitching according to the assembled pieces. K4. Process of correct use of notches in order to achieve accurate joining of pieces for the garment. | Non Consumables: • Hand needle • Over lock Machine Consumables: • Taylor's chalk Fabric |
| E2. Perform garment stitching. | Trainee must be able to: P1. Arrange the tools and equipment used for stitching P2. Assemble all the pieces of fabric | Trainee must know and understand: K1. Tools and equipment used for stitching | Non Consumables: Sewing machine Over lock machine |

| Unit of Competency | Performance Criteria as per labelling P3. Stitch all assembled pieces following the marked lines P4. Follow the universal sequence of stitching the garments. | Knowledge K2. Importance of use of tools and equipment safely K3. Stitching elements and their uses. K4. Importance of darts in the garments. | Tools & Equipment Screw Driver Hand Spray Steam iron Iron table Pearl pins Machine needles Measuring tape Bobbin and bobbin case Zipper Zipper foot invisible Clipper |
|--|--|--|--|
| E3. Recheck the stitched garment and perform alterations, if required. | Trainee must be able to: P1. Arrange the tools and equipment used for measurement P2. Compare the stitched garment with pattern measurements P3. Make amendments, if required P4. Recheck the garment after amendments, as per pattern | Trainee must know and understand: K1. Tools and equipment use for measurement K2. Process of comparing garment measurements with pattern K3. Process of making amendments | Non Consumables: Sewing machine Measuring Tape Seam ripper Size Chart Clipper Consumables: Thread Stitched garment |

Competency Title F: Finish Garment

Overview: This Competency Standard identifies the competencies required to different types of finishing techniques Stitching techniques for Dress Making in accordance with the organization's approved guidelines and procedures. You will be expected to perform hand stitching, perform finishing, perform ironing of the finished garment and finalise the garment. Your underpinning knowledge regarding stitching for dress making will be sufficient to provide you the basis for your work.

| Unit of Competency | Performance Criteria | Knowledge | Tools & Equipment |
|----------------------------|--|---|---|
| F1. Perform hand stitching | Trainee must be able to: P1. Arrange the tools and equipment used for hand stitching. P2. Perform different elements of hand stitching as per design requirements. | K1. Tools and equipment used for hand stitching K2. Elements that are a part of hand stitching. (for example button holes, press buttons, Velcro, draw string, size tags etc) | Non Consumables: Clipper Measuring tape, Steam iron Hand needle Hook and eye button Press Button |
| F2. Perform finishing | Trainee must be able to: Remove unwanted threads from the stitched garment. Diagnose stitch faults Remove stitch faults Perform finishing elements | K1. Importance of finishing in a stitched garment. K2. Tools equipment used for hand stitching. K3. Process of finding stitch faults (thread breakage, over lapping, fabric tempering, puckering, etc.) | Non Consumables: Clipper Measuring tape, Steam iron Hand needle Hook and eye button Press Button Clipper Seam ripper |

| Unit of Competency | Performance Criteria | Knowledge | Tools & Equipment |
|---|--|--|---|
| | | | Sewing MachineThreadsSteam Iron |
| F3. Perform ironing of the finished garment | Trainee must be able to: P1. Determine the type of ironing P2. Perform ironing on the overall garment. P3. Apply starch (if required). P4. Perform opening of seam allowances of the garment through ironing | You will be able to: K1. Types of ironing K2. Procedure of flat and steam ironing K3. Variations in ironing while finishing a garment K4. Process of applying starch to the garment. K5. Techniques of opening seam allowances of the garment. K6. Process of ironing to the details of the garment. | Non Consumable Flat iron Steam press Iron Board Sleeve Board/ Ham Consumable Hand spray Starch |
| F4. Finalize the garment | Trainee must be able to: P1. Perform labelling and tagging of the stitched garment. P2. Perform packaging of the stitched garment. P3. Perform hanging, wrapping or folding of the garment as per instructions. | Trainee must know and understand: K1. Techniques of labelling and tagging the stitched garment K2.Techniques/ Methods to pack the stitched garment | Non Consumable Tag machine Consumable Hangers Labels Tag |

| Unit of Competency | Performance Criteria | Knowledge | Tools & Equipment |
|--------------------|----------------------|-----------|---------------------------------|
| | | | Packing Bag |
| | | | Marker/ Pen |
| | | | |
| | | | |
| | | | |
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Competency Title G: Develop Professionalism

Overview: This Competency Standard identifies the competencies required for developing a professional attitude. Professionalism techniques for Dress Making in accordance with the organization have approved guidelines and procedures. You will be expected to develop professional attitude and Follow Environmental, Health and Safety Rules. Your underpinning knowledge regarding stitching for dress making will be sufficient to provide you the basis for your work.

| Unit of Competency | Performance Criteria | Knowledge | Tools & Equipment |
|--------------------------------|---|---|---------------------|
| G1. | Trainee must be able to: | Trainee must know and understand: | Consumables: |
| Develop professional attitude. | P1. Analyse upcoming market trends.P2. Develop professionalismP3. Networking.P4. Demonstrate behavioural skills.P5. Develop sound interpersonal | K1. Professionalism (meaning, attitude, output, timely delivery, networking)K2. Behavioral skills. | Non Consumables: |

| Unit of Competency Performance | riteria Knowledge Tools & Equipment |
|--|--|
| skills P6. Develop commun Trainee must be able to P1. Follow Health and P2. Ensure Personal SP3. Ensure Machine SP4. Ensure Work Place P5. Ensure safety while irons. P6. Store all flammable | K3. Importance of trends and market research. K4. Interpersonal skills K5. Communication skills K6. Market norms. Trainee must know and understand: Trainee must know and understand: K1. Significance of personal hygiene K2. Types of Hazards in the Workplace K3. Various Parts of Machine while |

4. List of tools and equipment for the class of 25 to 30 students

| Sr.# | Item Description | Quantity |
|------|---|----------|
| 1. | Industrial/Domestic lock stitch machine | 25 |
| 2. | Button making machine | 02 |
| 3. | Over loc machine | 02 |
| 4. | Fabric cutting scissor | 25 |
| 5. | Finishing clipper | 25 |
| 6. | Seam ripper | 25 |
| 7. | Hand sewing needles packets | 25 |
| 8. | Thimbles | 25 |
| 9. | Simple scissor | 25 |
| 10. | Measuring tape | 25 |
| 11. | French curve | 25 |
| 12. | Hip curve | 25 |
| 13. | Steel scale | 25 |
| 14. | L-Shape scale | 25 |
| 15. | Set square | 25 |
| 16. | Tracing wheel | 25 |
| 17. | Tracing papers | 25 |
| 18. | Tailoring chalk (box) | 25 |
| 19. | Iron | 04 |
| 20. | Loop turner | 25 |
| 21. | Paper cutter | 25 |
| 22. | Thumb pins (boxes) | 25 |
| 23. | Pin cushion | 25 |

5. List of Consumables for Dress Making

| Sr.# | Item Description | |
|------|--|--|
| 1. | Fabrics of different types | |
| 2. | Sewing threads | |
| 3. | Fusing of different types | |
| 4. | Marking pencils | |
| 5. | Fancy threads | |
| 6. | Ribbons of different types, colours and sizes | |
| 7. | Elastic of different types and sizes | |
| 8. | Embellishment items (Stones, beads, pearls, fancy buttons etc) | |
| 9. | Laces (fancy and simple, according to dress design) | |
| 10. | Zips | |
| 11. | Hooks | |
| 12. | Pattern sheets | |
| 13. | Drafting pencils | |
| 14. | Stationery items | |



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