

REVISED SYLLABUS FOR

# **Pattern Making & Basic Cutting**

UNDER

DIRECTOR OF EMPLOYMENT & TRAINING,  
GUJARAT COUNCIL OF VOCATIONAL TRAINING,  
GANDHINAGAR.

EMPLOYMENT & TRAINING  
BLOCK NO. -1, 3<sup>RD</sup> FLOOR,  
Dr. JIVRAJ MEHTA BHAVAN,  
GANDHINAGAR.

**MEMBERS OF THE TRADE COMMITTEE  
FOR REVISED SYLLEBUS OF:  
GARMENT FINISHING & CHECKING**

1	Shri C. V. Som Director, IAS Employment & Training. Gandhinagar.	
2	Dr. A. K. Sharma Director, ATIRA, Ahmedabad.	
3	Shri Manish Warghone In charge (Training) The Arwind Mills Ltd., Ahmedabad.	
4	Shri Vipin Jajoo Proprietor, V. K. Enterprise, Ahmedabad.	
5	Shri G. B. Jadeja, Assistant Director (Trg.) Employment & Training. Gandhinagar	
6	Shri P. L. Raval, Principal, Industrial Training Institute, Kubernagar, Ahmedabad.	
7	Shri A. C. Muliya, Principal, Industrial Training Institute, Saraspur, Ahmedabad.	
8	Shri D. F. Parmar, Supervisor, Industrial Training Institute, Saraspur, Ahmedabad.	
9	Kum. H. D. Purohit, C.I. Industrial Training Institute, Kubernagar, Ahmedabad.	

## GENERAL INFORMATION

- |                               |   |  |
|-------------------------------|---|--|
| 1. Name of the Trade          | : | Certificate course in Pattern Making & Basic Cutting   |
| 2. Duration of Training       | : | 13 weeks ( 3 Months)   |
| 3. Entry Qualification        | : | 8 <sup>th</sup> Std. Pass and Additional Qualification of 3 months any tailoring related course. |
| 4. Unit Size                  | : | 20   |
| 5. Space required             | : | 60 sq mt.  |
| 6. Total Practical Hours/week | : | 17 Hrs.  |
| 7. Total Theory Hours/week    | : | 3 Hrs.   |

### Objective of the Course :

To prepare the student to explain his/her idea of garment related to combined with various technical aspects of Advance Cutting as per the Garment Design / Pattern.

We aim at the self-independence of the middle class housewives & students so as to give them employment & confidence to live with grace at Apparel Park Focus on level of competencies to enable the individual to attain qualifications for performing a job with the desired precision.  
Emphasis on learning through use of Latest machinery

### Note :

**Appropriate cost of tools/machinery :**

**Power Supply Required :** 5 K.W.

**Faculty Qualifications :**

1. S.S.C Pass
2. Diploma in Costume design & Dress Making  
**OR**  
NCVT Pattern's Dress Making/Cutting & Sewing with Apprenticeship training with two year experience  
**OR**  
TEB Pattern Tailoring & Cutting and Master Tailors with two years experience  
**OR**  
TEB Pattern's TTNC Pass with two years experience

<b>Pattern Making &amp; Basic Cutting</b>			
<b>Sr. No</b>	<b>Description Of Tools</b>	<b>For Each Trainee</b>	<b>For a batch of 20 Trainee</b>
1	2	3	4
<b>List of Trainee's Toolkit :</b>			
1	Cutting Scissor - 10"	1	20 Nos.
2	Measuring Tape for tailor	1	20 Nos.
3	Pattern Master - Fiber	1	20 Nos.
4	Steel Rule - ( 36 inch )	1	20 Nos.
5	Tailor's Square - Fiber 24" X 14"	1	20 Nos.
6	Leg Shaper - ( Fiber )	1	20 Nos.
7	Arm Shaper - ( Fiber )	1	20 Nos.
8	French Curve - big size for arm hole shape	1	20 Nos.
9	Paper Cutting Scissor - 200 MM - Blade thick 2.80 MM sharp pointed	1	20 Nos.
<b>Tools and Equipments :</b>			
1	Straight Knife Cutting Machine - 8"	-	01
2	Round Knife Cutting Machine	-	01
3	Steam Iron (Electrical Automatic) with portable boiler	-	02
4	Gents body form with stand - ( size : 42 )	-	05 set
5	Ladies body form with stand - ( size : 10 )	-	05 set
6	Leg body form Gents	-	01 set
7	Leg body form Ladies	-	01 set
8	Metal Hand Glows	-	01 set
<b>General Machinery Installation :</b>			
1	Notcher	-	01 No
<b>Furniture :</b>			
1	Steel cupboard	-	02 Nos.
2	Table & Chair (for C.I)	-	01 No.
3	Cutting table with cork sheet top - 8' X 6' X 3'	-	05 Nos
4	Pressing Table 4' X 2.5' X 3'	-	02 Nos.
5	Trainee Locker - 8 Boxes	-	02 Nos.

Week No.	Practical	Theory
1	<ul style="list-style-type: none"> <li>➤ Introduction of tools and equipment</li> <li>➤ Identification of raw material</li> <li>➤ Practical of body form and leg form</li> <li>➤ Identification of Grains</li> <li>➤ Cutting with Grains</li> </ul>	<p><b>Introduction :</b></p> <ul style="list-style-type: none"> <li>➤ Advantages of patterns</li> <li>➤ Usage of patterns</li> <li>➤ Types of patterns</li> </ul> <p><b>Pattern Making Tools :</b></p> <ul style="list-style-type: none"> <li>➤ Types of tools</li> <li>➤ Usage of tools</li> </ul>
2	<ul style="list-style-type: none"> <li>➤ Handling of tools, equipments and machinery of pattern making tools</li> <li>➤ Identification of sewing and pressing tools</li> <li>➤ Measurement noting for Abnormal body</li> </ul>	<p><b>Terms and Terminology :</b></p> <ul style="list-style-type: none"> <li>➤ Industrial form</li> <li>➤ Land marks</li> <li>➤ Symbol keywords</li> <li>➤ Pattern paper</li> <li>➤ Pattern making terms</li> <li>➤ Balance Line terms</li> <li>➤ Fabric terms</li> <li>➤ Grain Lines (effect on fabric of grain line)</li> </ul>
3	<p><b>Measuring Practice :</b></p> <ul style="list-style-type: none"> <li>➤ Practice of taking individual measurement</li> <li>➤ Dress form measurement system</li> <li>➤ Garment measurement system</li> </ul>	<p><b>Measuring Technique :</b></p> <ul style="list-style-type: none"> <li>➤ Importance of measurement</li> <li>➤ Points to be noted while taking measurement</li> <li>➤ measurement used for individual figures</li> <li>➤ Dress form measuring system</li> <li>➤ Garment measuring system</li> <li>➤ measuring specification and size designing</li> <li>➤ Sample work-sheet for different garments</li> <li>➤ Anatomy of body(eight Head Theory)</li> </ul>

4	<p><b>Making of basic bodice by using standard measurement on paper :</b></p> <ul style="list-style-type: none"> <li>➤ Completing notches, punches, seams, allowance</li> <li>➤ Completing darts</li> <li>➤ Making on patterns</li> </ul>	<p><b>Basic Bodice Pattern :</b></p> <ul style="list-style-type: none"> <li>➤ <b>Draping Method</b> <ul style="list-style-type: none"> <li>- Preparation for the Bodice Drape</li> <li>- Front Back Drape</li> <li>- Transferring draped muslin to pattern</li> </ul> </li> <li>➤ <b>Drafting Method</b> <ul style="list-style-type: none"> <li>- Pattern Preparation</li> <li>- Pattern Perfection</li> <li>- Shaping Process</li> </ul> </li> </ul>
5	<p><b>Making Bodice Pattern :</b></p> <ul style="list-style-type: none"> <li>➤ Practice of draping method</li> <li>➤ Practice of drafting method</li> </ul>	<p><b>Design Analysis :</b></p> <ul style="list-style-type: none"> <li>➤ Introduction</li> <li>➤ Dart Manipulation by pivotal and slash-n-spread method</li> <li>➤ Transferring back shoulder dart to neckline</li> <li>➤ Transferring front shoulder dart to neckline</li> <li>➤ Transferring front shoulder dart to armhole, to underarm to centre front, to French Dart &amp; Double Dart</li> </ul>
6	<p><b>Practice of Drafts :</b></p> <ul style="list-style-type: none"> <li>➤ Different types of drafts</li> <li>➤ Darts transferring system</li> </ul>	<p><b>Facing :</b></p> <ul style="list-style-type: none"> <li>➤ Facing for different shaped necks and armholes</li> </ul> <p><b>Button Fasteners</b></p> <ul style="list-style-type: none"> <li>➤ Placket extensions for button &amp; button holes</li> <li>➤ Types of button &amp; sizes</li> <li>➤ Placement of button &amp; button hole</li> </ul>
7	<p><b>Practice of pocket &amp; sleeve patter :</b></p> <ul style="list-style-type: none"> <li>➤ Patch pocket</li> <li>➤ Welt pocket</li> <li>➤ Set in seam pocket</li> <li>➤ Design variation of pocket</li> </ul> <p><b>Practice of different types of sleeve :</b></p> <ul style="list-style-type: none"> <li>➤ Half sleeve</li> <li>➤ Full sleeve</li> <li>➤ Puff sleeve</li> </ul>	<p><b>Pocket :</b></p> <ul style="list-style-type: none"> <li>➤ Patch pocket</li> <li>➤ Welt pocket</li> <li>➤ set-in-seam pocket</li> <li>➤ Design variation of pockets</li> </ul> <p><b>Sleeve :</b></p> <ul style="list-style-type: none"> <li>➤ Classifications of sleeves</li> <li>➤ Sleeve length variations</li> <li>➤ Sleeve terminology</li> <li>➤ Drafting of basic sleeve</li> <li>➤ Elongated armhole sleeve</li> </ul>

	<ul style="list-style-type: none"> <li>➤ Raglan sleeve</li> <li>➤ Kimono sleeve</li> <li>➤ Umbrella sleeve</li> <li>➤ Sleeve cuffs</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short fitted sleeve</li> <li>➤ Puff sleeve variation</li> <li>➤ Raglan sleeve</li> <li>➤ Kimono sleeve &amp; style line</li> <li>Sleeve cuffs</li> </ul>
8	<b>Practice of different types of collar pattern on paper :</b>	<b>Collar :</b> <ul style="list-style-type: none"> <li>➤ Classification of collar</li> <li>➤ Collar terms</li> <li>➤ Convertible collar</li> <li>➤ Mandarin collar</li> <li>➤ Wing collar</li> <li>➤ Roll collar</li> <li>➤ Peter Pan collar</li> <li>➤ Sailor collar</li> <li>➤ Shawl collar</li> <li>➤ Notch collar</li> </ul>
9	<b>Practice of different types of shirts on paper :</b> <ul style="list-style-type: none"> <li>➤ Casual shirts</li> <li>➤ Classic shirts</li> <li>➤ Front placket variations</li> </ul>	<b>Shirts :</b> <ul style="list-style-type: none"> <li>➤ Terms</li> <li>➤ Casual shirts</li> <li>➤ Classic shirts</li> <li>➤ Front placket variations</li> </ul>
10	<b>Practice of trouser on paper</b> <ul style="list-style-type: none"> <li>➤ Shorts</li> <li>➤ Parallel trouser</li> <li>➤ Baggie trouser</li> <li>➤ Jeans pant</li> <li>➤ Waist bands</li> </ul>	<b>Trouser :</b> <ul style="list-style-type: none"> <li>➤ Terminology</li> <li>➤ Length variations</li> <li>➤ Shorts</li> <li>➤ Parallel trousers</li> <li>➤ Baggie trouser</li> <li>➤ Jeans pant</li> <li>➤ Waist bands</li> </ul>
11	<b>Practice of different types of skirts on paper :</b> <ul style="list-style-type: none"> <li>➤ Basic skirt(draping method)</li> <li>➤ Basic skirt(drafting method)</li> <li>➤ 2 panel skirt</li> <li>➤ 4 panel skirt</li> <li>➤ 6 panel skirt</li> <li>➤ Umbrella skirts Tire skirt</li> <li>➤ Pleated skirt</li> <li>➤ Gathered skirt</li> <li>➤ Gored skirt</li> <li>➤ Skirt with yoke</li> </ul>	<b>Skirts :</b> <ul style="list-style-type: none"> <li>➤ Technical terms</li> <li>➤ Basic skirt(draping method)</li> <li>➤ Basic skirt(drafting method)</li> <li>➤ 2 panel skirt</li> <li>➤ 4 panel skirt</li> <li>➤ 6 panel skirt</li> <li>➤ Umbrella skirts Tire skirt</li> <li>➤ Pleated skirt</li> <li>➤ Gathered skirt</li> <li>➤ Gored skirt</li> <li>➤ Skirt with yoke</li> </ul>

12	<b>Practice of pattern grading :</b> <ul style="list-style-type: none"> <li>➤ Size chart of different countries</li> <li>➤ Methods of grading</li> <li>➤ Grading the patterns</li> <li>➤ Checking the grade</li> <li>➤ Completing the graded pattern</li> <li>➤ Grading of slopes</li> <li>➤ Grading of production patterns</li> <li>➤ Computerized grading</li> </ul>	<b>Pattern Grading :</b> <ul style="list-style-type: none"> <li>➤ Size chart of different countries</li> <li>➤ Methods of grading</li> <li>➤ Grading the patterns</li> <li>➤ Checking the grade</li> <li>➤ Completing the graded pattern</li> <li>➤ Grading of slopes</li> <li>➤ Grading of production patterns</li> <li>➤ Computerized grading</li> </ul>
13	<b>Practice of spec sheets :</b> <ul style="list-style-type: none"> <li>➤ Ladies top</li> <li>➤ Skirts</li> <li>➤ Dresses</li> <li>➤ Men's Shirts</li> <li>➤ Trousers</li> <li>➤ Jackets</li> </ul>	<b>Design analysis &amp; pattern making through spec sheets :</b> <ul style="list-style-type: none"> <li>➤ Ladies top</li> <li>➤ Skirts</li> <li>➤ Dresses</li> <li>➤ Men's Shirts</li> <li>➤ Trousers</li> <li>➤ Jackets</li> </ul> <b>Introduction to Marker Planning</b>



**MEMBERS OF THE TRADE COMMITTEE  
FOR THE REVISED SYLLEBUS OF:  
SEWING MACHINE OPERATOR**

<b>1</b>	Shri C. V. Som Director, IAS Employment & Training. Gandhinagar.	
<b>2</b>	Dr. A. K. Sharma Director, ATIRA, Ahmedabad.	
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