

REVISED SYLLABUS FOR

SEWING MACHINE OPERATOR

UNDER
GUJARAT COUNCIL OF VOCATIONAL TRAINING

DIRECTORATE OF EMPLOYMENT & TRAINING

Block No. 1, 3rd Floor,
Dr. Jivraj Mehta Bhavan
Gandhinagar, Gujarat State.

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

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.Muliyana. 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 : Sewing Machine Operator
2. Duration of Training : 13 Week (3 month)
3. Entry Qualification : 8th std. Pass
4. Unit size : 30
5. Space Required : 100 sq. mt.
6. Total Practical Hour / week : 24 Hrs.
7. Total Theory Hour / week : 6 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 sewing as per the Garment Design /Pattern WE aim at the self independence of the middle class housewives & student 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 uses Latest Machinery.

NOTE:

- Approximate cost of Tools/Machinery :
- Power supply Required : 5 k.w.

Faculty's Qualification:

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

Sewing Machine Operator

SR NO	Description of Tools	For each Trainee	For a batch of 30 trainee
<i>Trainees Tool Kit:</i>			
1	Scissor-6"	1	30
2	Measuring tape for tailor	1	30
3	Hand cutter for thread	1	30

Tools & Tool kit :

1	Steam iron electrical automatic	-	02 No
2	Single needle shoulder top stitch attachments	-	01 No
3	Double needle shoulder top stitch attachment	-	01 No
4	Single needle sleeve attachment	-	01 No
5	Double needle sleeve attachment	-	01 No
6	Cuff setter	-	01 No
7	Short tail sewing hammer	-	01 No
8	T-Guide	-	01 No
9	Magnetic – Guide	-	01 No
10	Hammer Foot	-	01 No
11	Waist Band folder	-	01 No
12	Lapped seam folder (2 needle machine)	-	01 No
13	Bottom hemming folder	-	01 No
14	Loop folder foot	-	01 No
15	Belt folder	-	01 No
16	Zipper foot	-	01 No
17	Front placket folder for 2 needle machine	-	02 No
18	Front placket folder for 4 needle machine	-	01 No
19	Screw Driver set	-	02 set
20	Tailor's square-Fiber	-	01 No
21	Lags shaper-Fiber	-	01 No
22	Arm shaper-Fiber	-	01 No

General Machinery Installation:

SRN0	Description of Machines	Qty. Nos.
1	Single Needle Lock Stitch Sewing M/C	30
2	Single Needle Lock Stitch M/C With Built in Trimmer	01
3	Computerized Button Hole M/C	01
4	Computerized Button Attaching M/C	01
5	Computerized Bar Tack M/C – Lock Stitch	01
6	Double Needle Split Bar Machine	01
7	Double Needle Fixed Bar M/C	01
8	Feed of the Arm M/C	01
9	Double Needle Chain stitch (flat bed) Machine	01
10	Blind Hemming Machine	01
11	Computerized ZIGZAG M/C	01
12	4 Thread Over lock M/C For Knits	01
13	Five Thread Over lock M/C With Safely Stitch Chain Stitch	01
14	6 Thread Over lock M/C	01
15	5 Thread Flat Lock M/C Chain Stitch	01
16	Front Placket Machine	01
17	4 Needle Elastic Attachment Machine	01

Furniture:

Sr.No.	Name	Qty. Nos.
1	Still cup board	02
2	Table & chair for C.I.	01 each
3	Cutting table with sunmika tope 8' x 6'x 3'	01
4	Pressing table 6' x 4' x 3'	02
5	Stool wooden	46
6	Trainee Locker	02

Week No.	Practical	Theory
1	<p>Introduction of sewing machine:</p> <ul style="list-style-type: none"> ➤ Practice of measurement. ➤ Identification and function of various important parts and their uses. ➤ How and where to sit while on basic sewing m/c Eye, hand and foot co-ordination. 	<p>Introduction:</p> <ul style="list-style-type: none"> ➤ Introduction to sewing machine and function of important parts. ➤ Measurement tools & their tools ➤ How and where to sit while on basic sewing m/c
2	<ul style="list-style-type: none"> ➤ Basic sewing m/c control practice (without thread) ➤ M/c start and stop exercise ➤ Stitching on determined straight line (long distance short distance) stitching on various shapes curve & angel 	<ul style="list-style-type: none"> ➤ Knowledge of Basis sewing machine control (without thread) ➤ Machine starts and stop ➤ Stitching on determined straight line (long/short distance) Stitching on various shape (curves and angles)
3	<ul style="list-style-type: none"> ➤ Threading practice of sewing m/c ➤ Threading sequences ➤ Thread tension and stitch quality Bobbin winding and changing practice 	<ul style="list-style-type: none"> ➤ Knowledge of threading of sewing machine ➤ Threading sequence ➤ Thread tension and stitch quality Right method of bobbin winding and changing.
4	<ul style="list-style-type: none"> ➤ Basic up keep of sewing m/c ➤ Stitching practice on different type of fabrics and relationship with thread and needle 	<ul style="list-style-type: none"> ➤ Knowledge of different type of fabrics, threads and sewing machine needle relationships ➤ Identify different type of fabrics ➤ Thread quality and numbers knowledge of sewing machine needle size & numbers

5	<ul style="list-style-type: none"> ➤ Basic seams used on garments ➤ Practice of different types of seams – French seam (all variation) ➤ Edge binding ➤ Top stitching on seams ➤ Edge top stitch ¼” top stitch 	<ul style="list-style-type: none"> ➤ Knowledge of basic seams used on garments ➤ French seam ➤ Flat felled seam (all variation) ➤ Edge binding ➤ Top stitching on seams ➤ Edge top stitching ➤ 1/4” top stitch
6	<ul style="list-style-type: none"> ➤ Practice on sewing machine ➤ Darts ➤ Pleats ➤ Tucks ➤ Frills ➤ Gathering ➤ Piping 	<ul style="list-style-type: none"> ➤ Knowledge of various types of ➤ Darts ➤ Pleats ➤ Tucks ➤ Frills ➤ Gathering ➤ Piping
7	<ul style="list-style-type: none"> ➤ Practice of specific machine & their operation ➤ Two needle lock stitch machine ➤ Feed of arm machine bar tacking machine 	<ul style="list-style-type: none"> ➤ Knowledge of specific machine & their use ➤ Two needle lock stitch machine ➤ Feed of arm machine ➤ Bar tacking machine
8	<ul style="list-style-type: none"> ➤ Practice of specific machine & their operation ➤ Blind Hemming machine ➤ Computerized zigzag machine ➤ Four thread over lock machine 	<ul style="list-style-type: none"> ➤ Knowledge of specific machine & their operation ➤ Blind Hemming machine ➤ Computerized zigzag machine ➤ Four thread over lock machine . ➤
9	<ul style="list-style-type: none"> ➤ Practice of specific machine & their operation ➤ Button hole machine ➤ Button sewing machine ➤ Front placket machine ➤ 4 needle Elastic Attachment Machine 	<ul style="list-style-type: none"> ➤ Knowledge of Specific machine & their operation ➤ Button hole machine ➤ Button sewing machine ➤ Front placket machine ➤ 4 Needle Elastic Attachment Machine.
10-11	<ul style="list-style-type: none"> ➤ Construction of Shirts 	<ul style="list-style-type: none"> ➤ Knowledge of

	<p>(Use different types of machine with attachment & folders)</p> <ul style="list-style-type: none"> ➤ Front placket practice. ➤ Pockets prepare. ➤ Pocket stitch on front. ➤ Shoulder and back joint with label. ➤ Front and shoulders joint. ➤ Prepare sleeve placket. ➤ Placket join on sleeve ➤ Sleeve joint on arm hole. ➤ Prepare collar and cuff. ➤ Cuff and collar joint. ➤ Button and button hole mark. ➤ Prepare button hole on front placket. ➤ Button sewing on front placket. 	<p>preparation of Shirts (Use different types of machine with attachment & folders):</p> <ul style="list-style-type: none"> ➤ Method of preparation of shirts ➤ Front placket ➤ Pocket prepare ➤ Pocket stitch on front ➤ Shoulder and back joint with label. ➤ Front end shoulders joint ➤ Sleeve placket. ➤ Placket join on sleeve ➤ Sleeve joint on arm hole ➤ Collar and cuff. ➤ Cuff and collar joint. ➤ Button and button hole mark. ➤ Button hole on front placket button sewing on front placket.
12	<ul style="list-style-type: none"> ➤ Construction of Trousers (Use different types of machine with attachment & folders) ➤ Front pocket practice. ➤ Back darts practice ➤ Back pocket practice ➤ Label stitching ➤ Zip attachment ➤ Front and back joint ➤ Belt joint ➤ Loops joint ➤ Front back leg joint ➤ Bottom hemming practice ➤ Button and button hole marks. ➤ Button sewing ➤ Prepare button hole. 	<ul style="list-style-type: none"> ➤ Knowledge of preparation of Trousers (Use different types of machine with attachment & folders) ➤ Method of preparation of Trousers ➤ Front pocket ➤ Back darts ➤ Back pocket ➤ Label stitching ➤ Zip attachment ➤ Front and back joint ➤ Belt joint ➤ Loops joint ➤ Front and back leg joint ➤ Button hemming ➤ Button and button hole marks ➤ Button sewing ➤ Button hole
13	<p>Visit to garment industry.</p>	