

REVISED SYLLABUS FOR

Sewing Machine Operator

UNDER

Directorate of Employment & Training,
GUJARAT COUNCIL OF VOCATIONAL TRAINING,
Gandhinagar.

EMPLOYMENT & TRAINING
BLOCK No.-1 3RD FLOOR
Dr. JIVRAJ MEHTA BHAVAN
GANDHINAGAR

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. Gandhinagarp	
6	Shri P. L. Raval, Principal, Industrial Training Institute, Kubernagar, Ahmedabad.	
7	Shri A. C. Mulyana, 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

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|-------------------------------|---|-------------------------|
| 1. Name of the Trade | : | Sewing Machine Operator |
| 2. Duration of Training | : | 13 Week (3 months) |
| 3. Entry Qualification | : | 8th std. pass |
| 4. Unit size | : | 30 |
| 5. Space Required | : | 100 sq. mt. |
| 6. Total Practical Hours/week | : | 24 Hrs. |
| 7. Total Theory Hours/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 & 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 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
1	2	3	4
Trainee's Tool kit :			
1	Scissor - 6 "	1	30
2	Measuring tape for tailor	1	30
3	Hand cutter for thread	1	30
Tools & Equipments :			
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	-	01 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:

Sr.No.	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	Introduction of sewing machine : <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 	Introduction : <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 atop exercise ➤ stitching on determined straight line (long distance, short distance) stitching on various shapes curves & angles 	<ul style="list-style-type: none"> ➤ Knowledge of Basic 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 types of fabrics and relationship with thread and needle 	<ul style="list-style-type: none"> ➤ Knowledge of different types of fabrics , threads and sewing machine needle relationships : ➤ Identify different types 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 ➤ flat felled seam (all variation) ➤ Edge binding ➤ Top stitching on seams 	<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 stitch ➤ 1/4" top stitch

	Edge top stitch 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 ➤ 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 (Use different types of machine with attachment & folders) ➤ Front placket practice ➤ Pocket prepare ➤ Pocket stitch on front ➤ Shoulder and back joint with label ➤ Front and shoulders joint ➤ Prepare sleeve placket 	<ul style="list-style-type: none"> ➤ Knowledge of preparation of Shirts (Use different types of machine with attachment & folders) : ➤ Method of preparation of shirts ➤ Front placket ➤ Pocket prepare ➤ Pocket stitch on front ➤ Shoulder and back joint with label

	<ul style="list-style-type: none"> ➤ 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 	<ul style="list-style-type: none"> ➤ 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 ➤ Bottom hemming ➤ Button and button hole marks ➤ Button sewing ➤ Button hole
13	Visit to garment industry	

