

**Course Curricula**

**for**

**Short Term Courses based on  
Modular Employable Skills (MES)**

**in**

**Garments Sector**



**DIRECTORATE GENERAL OF EMPLOYMENT AND TRAINING  
MINISTRY OF LABOUR & EMPLOYMENT  
GOVERNMENT OF INDIA**

**Course Curricula for Short Term Courses based on Modular  
Employable Skills (MES) in the Garments Sector**

**CONTENTS**

1. Background .....	2
2. Frame Work for Skill Development based on Modular Employable Skills .....	2
3. Age of Participants .....	3
4. Curriculum Development Process .....	3
5. Development of Core Competencies.....	3
6. Duration of the Programmes .....	4
7. Pathways to acquire Qualification .....	4
8. Methodology .....	5
9. Instructional Media Packages.....	5
10. Assessment .....	5
11. Certificate .....	5
12. Course Matrix .....	6
13. Module.....	7
14. Hand Embroider .....	7
15. Machine Embroidery Operator .....	8
16. Garment packer.....	9
17. Garment Ironer .....	10
18. Maintenance of Machines in Garment Sectors.....	11
19. Basic Sewing Operator.....	12
20. Computerized Embroidery Machine Operator .....	14
21. Garment Cutter.....	15
22. Garment Checkers .....	16
23. Skilled Sewing Operators .....	17
24. Special Sewing Machine Operator .....	18
25. Tailor Children .....	19
26. Tailor Ladies .....	21
27. Tailor Gent's .....	23
28. Tailor Suits.....	25
29. List of Expert/Trade Committee Members.....	27

## **Skill Development based on Modular Employable Skills (MES)**

### **Background**

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The need for giving emphasis on the Skill Development, especially for the less educated, poor and out of school youth has been highlighted in various forums. The skill level and educational attainment of the work force determines the productivity, income levels as well as the adaptability of the working class in changing environment. Large percentage of population in India is living below poverty line. One of the important causes is lower percentage of skilled persons in the workforce

The skill development at present is taking place mostly in the informal way, i.e. persons acquire skill at the work-place when they help their parents, relatives and employers etc. Such persons do not have a formal certificate and thus earn lower wages and are exploited by employers. They have come through informal system due to socio-economic circumstances of the family and the compulsions of earning a livelihood rather than attending a formal course. While their productivity is low, their contribution to the national GDP cannot be ignored. If the country can create a system of certification which not only recognizes their skills but also provides education and training in a mode that suits their economic compulsions, it will not only benefit the workforce to earn a decent living but also contribute to the national economy by better productivity of this workforce.

Another related problem to be tackled is large number of students drop outs (About 63% of the school students drop out at different stages before reaching Class-X).

### **Frame work for Skill Development based on 'Modular Employable Skills (MES)'**

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Very few opportunities for skill development are available for the above referred groups (out of school youth & existing workers especially in the informal sector). Most of the existing Skill Development programmes are long term in nature. Poor and less educated persons can not afford long term training programmes due to higher entry qualifications, opportunity cost etc. Therefore, a new frame work for Skill Development for the Informal Sector has been evolved by the DGET to address to the above mentioned problems. The **key features of the new frame work for skill development** are:

- ◆ Demand driven Short term training courses based on modular employable skills decided in consultation with Industry
- ◆ Flexible delivery mechanism (part time, weekends, full time)
- ◆ Different levels of programmes (Foundation level as well as skill upgradation) to meet demands of various target groups
- ◆ Central Government will facilitate and promote training while Vocational Training (VT) Providers under the Govt. and Private Sector will provide training
- ◆ Optimum utilisation of existing infrastructure to make training cost effective.
- ◆ Testing of skills of trainees by independent assessing bodies who would not be involved in conduct of the training programme, to ensure that it is done impartially.
- ◆ Testing & certification of prior learning (skills of persons acquired informally)

The Short Term courses would be based on 'Modular Employable Skills (MES)'.

The **concept for the MES** is :

- Identification of 'minimum skills set' which is sufficient to get an employment in the labour market.
- It allows skills upgradation, multiskilling, multi entry and exit, vertical mobility and life long learning opportunities in a flexible manner.
- It also allows recognition of prior learning (certification of skills acquired informally) effectively.
- The modules in a sector when grouped together could lead to a qualification equivalent to National Trade Certificate or higher.
- Courses could be available from level 1 to level 3 in different vocations depending upon the need of the employer organisations.
- MES would benefit different target groups like :
  - Workers seeking certification of their skills acquired informally
  - workers seeking skill upgradation
  - early school drop-outs and unemployed
  - previously child labour and their family

### **Age of participants**

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The minimum age limit for persons to take part in the scheme is 14 years but there is no upper age limit.

### **Curriculum Development Process**

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Following procedure is used for developing course curricula

- Identification of Employable Skills set in a sector based on division of work in the labour market.
- Development of training modules corresponding to skills set identified so as to provide training for specific & fit for purpose
- Organization of modules in to a Course Matrix indicating vertical and horizontal mobility. The course matrix depicts pictorially relation among various modules, pre requisites for higher level modules and how one can progress from one level to another.
- Development of detailed curriculum and vetting by a trade committee and by the NCVT

(Close involvement of Employers Organizations, State Governments, experts, vocational training providers and other stake holders is ensured at each stages).

### **Development of Core Competencies**

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Possession of proper attitudes is one of the most important attribute of a competent person. Without proper attitudes, the performance of a person gets adversely affected. Hence, systematic efforts will be made to develop attitudes during the training programme.

The trainees deal with men, materials and machines. They handle sophisticated tools and instruments. Positive attitudes have to be developed in the trainees by properly guiding

them and setting up examples of good attitudes by demonstrated behaviors and by the environment provided during training.

Some important core competencies to be developed are:

1. Safety consciousness and safe working practices
2. Care of equipment and tools
3. Punctuality, discipline and honesty
4. Concern for quality
5. Respect for rules and regulations
6. Concern for health and hygiene
7. Cordial relationship and Cooperation with co-workers and team Work
8. Positive attitude and behavior
9. Responsibility and accountability
10. Learn continuously
11. Communication Skills
12. Concern for environment and waste disposal

Following competencies should also be developed during level-II and higher courses:

1. Ability for planning, organizing and coordinating
2. Creative thinking, problem solving and decision making
3. Leadership
4. Ability to bear stress
5. Negotiation

### **Duration of the Programmes**

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Time taken to gain the qualification will vary according to the pathway taken and will be kept very flexible for persons with different backgrounds and experience. Duration has been prescribed in hours in the curriculum of individual module, which are based on the content and requirements of a MES Module. However, some persons may take more time than the prescribed time. They should be provided reasonable time to complete the course.

### **Pathways to acquire Qualification:**

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**Access** to the qualification could be through:

- An approved training programme; **Or**
- A combination of an approved training programme plus recognition of prior learning including credit transfer; **Or**
- The recognition of prior learning that provides evidence of the achievement of the competencies for the qualification.

## **Methodology**

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The training methods to be used should be appropriate to the development of competencies. The focus of the programme is on “performing” and not on “Knowing”. Lecturing will be restricted to the minimum necessary and emphasis to be given for ‘hands on training’.

The training methods will be individual centered to make each person a competent one. Opportunities for individual work will be provided. The learning process will be continuously monitored and feedback will be provided on individual basis.

Demonstrations using different models, audio visual aids and equipment will be used intensively.

## **Instructional Media Packages**

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In order to maintain quality of training uniformly all over the country, instructional media packages (IMPs) will be developed by the National Instructional Media Institute (NIMI), Chennai.

## **Assessment**

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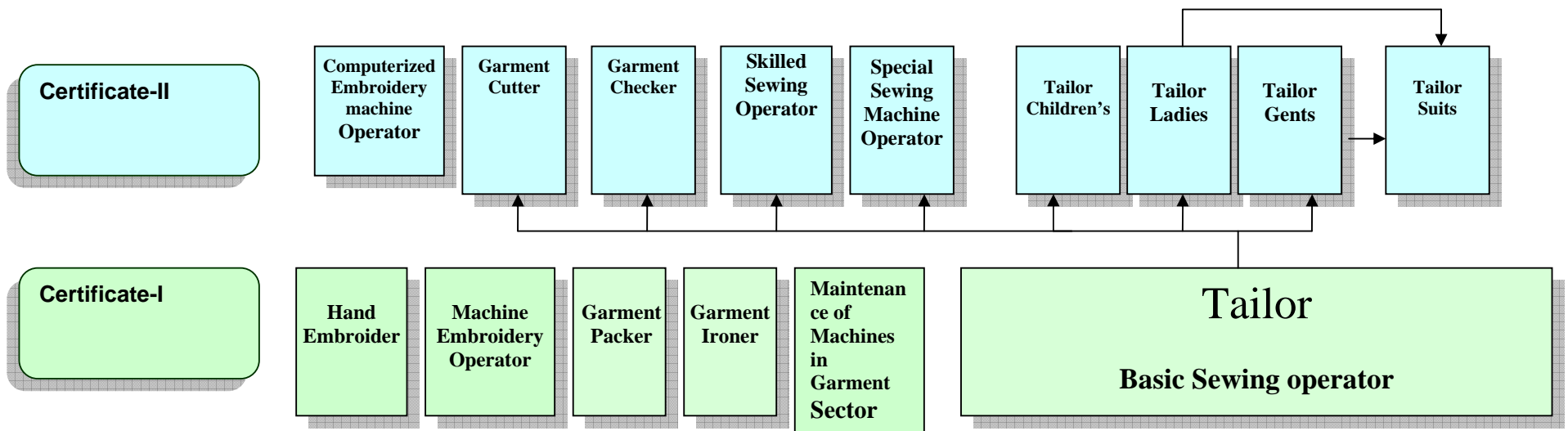
DGE&T will appoint assessing bodies to assess the competencies of the trained persons. The assessing body will be an independent agency, which will not be involved in conducting the training programmes. This, in turn, will ensure quality of training and credibility of the scheme. Keeping in view the target of providing training/testing of one million persons through out the country and to avoid monopoly, more than one assessing bodies will be appointed for a sector or an area.

## **Certificate**

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Successful persons will be awarded certificates issued by National Council for Vocational Training (NCVT).

# COURSE MATRIX based on MODULAR EMPLOYABLE SKILLS (MES) for the GARMENT SECTOR



## **MODULE – I (Certificate Level – I)**

### **Hand Embroider**

**NAME : Hand Embroider**

**SECTOR : Garments**

**CODE : GAR101**

**ENTRY QUALIFICATION:** Minimum 5<sup>th</sup> Std. , 14 years of Age.

**TERMINAL COMPETENCY:** After completion of the course the trained person would be able to make decorative handicrafts, do embroidery at necklines, yokes, sleeves, kameez etc.

**DURATION : 210 Hrs.**

**CONTENT :**Using stitches as a decorative feature & to take up any type of embroidery work.

<b>Practical Competencies</b>	<b>Underpinning Knowledge (Theory)</b>
<ul style="list-style-type: none"><li>➤ Practice Health &amp; Safety – select, use, maintain &amp; store – tools, equipments &amp; clothing safely</li><li>➤ Practice of basic stitches</li><li>➤ Application of decorative stitches</li><li>➤ To design &amp; practice motifs, floral designs, geometrical design and to finish with various decorative stitches</li><li>➤ Practice on different types of embroidery works like zardozi, ribbon, beads, mirror work etc.</li></ul>	<ul style="list-style-type: none"><li>➤ Importance of hand embroidery</li><li>➤ Uses of different Basic &amp; Decorative stitches</li><li>➤ Method of Transferring a Design.</li><li>➤ Safety precaution to be taken while using embroidery tools.</li></ul>

### **TOOLS AND EQUIPMENTS FOR A BATCH OF 20 TRAINEES.**

<b>S.NO.</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>
1.	Embroidery Needle	20 Nos.
2	Tracing Paper	20 Nos.
3	Embroidery Frame	20 Nos.
4	Big & Small trimming scissors	20 Nos.
5	Trimmers	20 Nos.

## **MODULE – II (Certificate Level – I)**

### **Machine Embroidery Operator**

**NAME** Machine Embroidery Operator

**SECTOR** Garments

**CODE** GAR102

**ENTRY QUALIFICATION:** Minimum 5<sup>th</sup> Std., 14 years of Age

**TERMINAL COMPETENCY:** The candidate would be able to perform Machine Embroidery on Fabrics & garments for children, women & Men.

**DURATION:** 210 Hrs.

**CONTENT** Using stitches as a decorative feature and to do machine embroidery in various garments & household articles apply them in various garments and articles

<b>Practical Competencies</b>	<b>Underpinning Knowledge (Theory)</b>
<ul style="list-style-type: none"><li>➤ Practice Health &amp; Safety – select, use, maintain &amp; store – tools, equipments &amp; clothing safely</li><li>➤ Practice of machine embroidery on machine. Control of the machine &amp; movement balance To apply different decorative stitches with the help of a special embroidery sewing machine</li><li>➤ To sew various designs like Motifs, Logo, Monogram, Appliqués, Animal designs</li><li>➤ Lockstitch &amp; chain stitch, and all kind of embroidery practice &amp; application.</li></ul>	<ul style="list-style-type: none"><li>➤ Knowledge of different needles &amp; threads and its uses.</li><li>➤ Knowledge of Embroidery Sewing Machine, stitches &amp; color combination</li><li>➤ Method of transferring a design</li><li>➤ Cautions to be taken while working on an embroider Machine.</li></ul>

#### **TOOLS AND EQUIPMENTS FOR A BATCH OF 20 TRAINEES.**

<b>S.NO.</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>
1.	Embroidery Machine Needle	20 Nos.
2	Power Embroidery Machine	20 Nos.
3	Embroidery Frame	20 Nos.
4	Big & Small trimming scissors	20 Nos.
5	Trimmers	20 Nos.

## **MODULE - III (Certificate Level – I)**

### **Garment Packer**

**NAME** : **Garment Packer**

**SECTOR** : **Garments**

**CODE** : **GAR103**

**ENTRY QUALIFICATION** : Minimum 5<sup>th</sup> Std., 14 years of Age

**TERMINAL COMPETENCY:** The candidates would be able to pack finished garments in any Garment Industry.

**DURATION** : **120 Hrs.**

**CONTENT** : **Packing of garments, colour wise, size, trademark and different types of packing.**

<b>Practical Competencies</b>	<b>Underpinning Knowledge (Theory)</b>
<ul style="list-style-type: none"><li>➤ Practice Health &amp; Safety – select, use, maintain &amp; store – tools, equipments &amp; clothing safely</li><li>➤ To practice folding of garments</li><li>➤ To practice packing color wise, tags, and trademarks, labels, to pack in poly bags, cardboard cartons.</li><li>➤ Practice on needle detector machine.</li><li>➤ Quality control</li></ul>	<ul style="list-style-type: none"><li>➤ Knowledge of Color, Texture, Fabric</li><li>➤ Knowledge of various accessories.</li><li>➤ Packing procedure. Knowledge of quality aspects, loose threads, broken buttons, fabric defects etc.</li><li>➤ Knowledge of packing ratio as per specification sheet, knowledge of ironing &amp; needle detector.</li><li>➤ Safety precautions</li></ul>

#### **TOOLS AND EQUIPMENTS FOR A BATCH OF 20 TRAINEES.**

<b>S.NO.</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>
1.	Tables	5 Nos.
2	Small Scissors	5 Nos.
3	Trimmers	5 Nos.
4	Seam Rippers	5 Nos.
5	Fabric checking machine	1 Nos.

## **MODULE – IV (Certificate Level – I)**

### **Garment Ironer**

**NAME** : Garment Ironer

**SECTOR** : Garments

**CODE** : GAR104

**ENTRY QUALIFICATION:** Minimum 5<sup>th</sup> Std., 14 years of Age

**TERMINAL COMPETENCY:** The Candidate would be able to Iron various garments in any Garment Industry using different types of iron. He/ she would also be able to remove stains, spots and give a good finish look to the garment.

**DURATION** : 120 Hrs.

**CONTENT** : Ironing techniques using steam iron dummy blowers and to press various garments .

<b>Practical Competencies</b>	<b>Underpinning Knowledge (Theory)</b>
<ul style="list-style-type: none"><li>➤ Practice Health &amp; Safety – select, use, maintain &amp; store – tools, equipments &amp; clothing safely</li><li>➤</li><li>➤ Practice of Ironing the garments as per fold to the specified size.</li><li>➤</li><li>➤ Practice of ironing in steam pressing, dummy blowers.</li></ul>	<ul style="list-style-type: none"><li>➤ Safety precautions while handling various types of irons.</li><li>➤ Knowledge of threads sucking machine, spot cleaning machine &amp; quality aspect.</li><li>➤</li></ul>

#### **TOOLS AND EQUIPMENTS FOR A BATCH OF 20 TRAINEES.**

<b>S.NO.</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>
1.	Pressing table	5 Nos.
2	Automatic Iron	5 Nos.
3	Steam Iron	5 Nos.
4	Vacuum table	5 Nos.
5	Metal detector machine	1 Nos.
6	Sleeve board	1 Nos.

## **MODULE – V (Certificate Level – I)**

### **Maintenance of Machines in Garments Sector.**

**NAME** : Maintenance of Machines in Garments Sector.

**SECTOR** : Garment

**CODE** : GAR106

**ENTRY QUALIFICATION** : 8<sup>TH</sup> STANDARD 14 years AND ABOVE

**TERMINAL COMPETENCY:** The candidate would be able to repair & maintain various machinery for Garment making, trouble shooting and to fix and change special attachments.

**DURATION** : 300 Hrs

**CONTENT :**

<b>Practical Competencies</b>	<b>Underpinning Knowledge (Theory)</b>
<ul style="list-style-type: none"><li>➤ Practice Health &amp; Safety – select, use, maintain &amp; store – tools, equipments &amp; clothing safely</li><li>➤</li><li>➤ Machine control</li><li>➤ Installation on single needle, double needle, over lock, high-speed sewing machines, cutting machine, fusing machine &amp; finishing machinery.</li><li>➤ Installation of Special machine.</li><li>➤ Practice of stitches per inches, changing of needles, changing of special attachments &amp; fixing.</li></ul>	<ul style="list-style-type: none"><li>➤ Introduction of machinery</li><li>➤ Parts of machine &amp; accessories.</li><li>➤ Measurement – inches, centimeters, yards &amp; meters.</li><li>➤ Lubrications.</li><li>➤ Needle attachments.</li><li>➤ Trouble shooting like</li><li>➤ Skip stitch, loop stitch, tension loose, tension tight, etc.</li><li>➤ General repairs oiling &amp; maintenance of machine &amp; safety.</li></ul>

#### **TOOLS AND EQUIPMENTS FOR A BATCH OF 20 TRAINEES.**

<b>S.NO.</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>
1.	Computerized Multi-Head Embroidery Machines and frames (which comes along with the machine)	2 Nos.
2	Framing Table	05 Nos.
3	Trimmers	20 Nos.
4	Measuring Tapes	20 Nos.
5	Maintenance Kit	2

## **MODULE – VI (Certificate Level – I)**

### **Tailor (Basic Sewing Operator)**

**NAME** : Tailor (Basic Sewing Operator)

**SECTOR** : Garments

**CODE** : GAR105

**ENTRY QUALIFICATION:** 5<sup>TH</sup> STANDARD 14 years AND ABOVE

**TERMINAL COMPETENCY:** The candidate would be able to cut and sew garments at basic level.

**DURATION** : 270Hrs.

**CONTENT** : Basic cutting and sewing operation

<b>Practical Competencies</b>	<b>Underpinning Knowledge (Theory)</b>
<ul style="list-style-type: none"><li>➤ Practice Health &amp; Safety – select, use, maintain &amp; store – tools, equipments &amp; clothing safely</li><li>➤ Operation of treadle sewing machine</li><li>➤ Practice of different types of seams like French seam, flat seam, felling seam, plain seam, pressed seam, necklines, plackets &amp; collars.</li><li>➤ Practice of various upper &amp; lower body garments making patterns. Drafting of Basic Blocks pattern making of various patterns as per specification.</li><li>➤ Practice of cutting various garments, cutting technique. Cutting of fabrics using patterns. To Sew various Garments like Baby Suit, Bloomers, Baby Frocks. Suits skirts, Tops, salwar khameez, nightgowns, housecoats.</li><li>➤ Shirts, Trousers, Pyjamas &amp; Kurtas.</li></ul>	<ul style="list-style-type: none"><li>➤ Knowledge of sewing machine</li><li>➤ Maintenance of sewing machine. Definition &amp; Knowledge of different seams and stitches. Importance of pattern making, cutting techniques.</li><li>➤ Difference between inches, cms, yards &amp; meter. How to take measurements.</li><li>➤ Safety precautions while Pattern Making &amp; Stitching.</li></ul>

#### **TOOLS AND EQUIPMENTS FOR A BATCH OF 20 TRAINEES.**

<b>S.NO.</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>
1.	Drafting Table	5 Nos.
2	Cutting Table	5 Nos.
3	Pressing Table	5 Nos.
4	L-Squad	20 Nos.

5	Curved Stick	20 Nos.
6	Threadle Motorized Sewing Machine	20 Nos.
7	Threadle lock stitch Machine	5 Nos.
8	Over lock Machine (3 –7) threads	2 Nos.
9	Button hole machine / Button fixing machine	5 Nos. Each
10	French Curves	20 Nos.
11	Steam Iron	5 Nos.
12	Dummy	5 Nos.
13	Mirror(full size)	2 Nos.
14	Marking Wheel	10 Nos.
15	Trimmers	20 Nos.
16	Seam Rippers big& small trimming scissors, marking wheel.	10 Nos. Each
17	Measuring tapes	20 Nos.
18	Pattern knotcher	5 Nos.
19	Scissors 25 Cm.	5 Nos.
20	Scissors left hand 25 cm.	5 Nos.
21	Machine Scissors, trimming edge 7”	5 Nos.
22	Machine attachment – zipper foot, tucker foot, hem folder, zigzag foot	5 Nos.
23	Mannequins and dress form ladies	1 No.
24	Pinking Scissors	10 Nos.
25	Thimbles-steel	20 Nos.

**MODULE – VII(Certificate Level – II)**  
**Computerized Embroidery Machine Operator**

**NAME** : Computerized Embroidery Machine Operator

**SECTOR** :Garments

**CODE** : GAR207

**ENTRY QUALIFICATION** : Minimum 10th Standard, 14 years of age.

**TERMINAL COMPETENCY:** The candidate would be able to operate Computerized Embroidery Machines.

**DURATION** : 210 Hrs.

**CONTENT** : Using stitches as a decorative feature and to apply them in Various dresses, wall hangers, etc.,

<b>Practical Competencies</b>	<b>Underpinning Knowledge (Theory)</b>
<ul style="list-style-type: none"> <li>➤ Practice Health &amp; Safety – select, use, maintain &amp; store – tools, equipments &amp; clothing safely</li> <li>➤ Practicing of different sizes (9,10,11) of needles on different fabrics(denim, cotton, lycra).</li> <li>➤ Practicing on different GSM non woven requirements.</li> <li>➤ Bobbin threads &amp; different denier threads usage, zero threads- in thread tensioning.</li> <li>➤ Basic oiling and repairing.</li> <li>➤ Framing for different sizes of embroidery &amp; allover embroidery.</li> <li>➤ Operating of panel board and design loading.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Knowledge of different machines with number of heads &amp; colors.</li> <li>➤ Different types of needles.</li> <li>➤ Different denier threads used on different types of fabric.</li> <li>➤ Basic maintenance of the machine.</li> <li>➤ Measurements/repeats of embroidery.</li> <li>➤ Color basics.</li> <li>➤ Knowledge of different types of embroidery sequence, cording, boring, Beads etc.</li> <li>➤ Safety precautions.</li> </ul>

**TOOLS AND EQUIPMENTS FOR A BATCH OF 20 TRAINEES.**

<b>S.NO.</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>
1.	Computerized Multi-Head Embroidery Machine	2 Nos.
2	Frames / Framing Table	20 Nos.
3	Trimmers	20 Nos.
4	Measuring Tapes	20 Nos.
5	Maintenance Kit	2

## MODULE – VIII (Certificate Level – II)

### Garment Cutter

**NAME** : Garment Cutter

**SECTOR** : Garments

**CODE** : GAR208

**ENTRY QUALIFICATION:** Minimum 8th Standard, 14 years of age,  
MES Module on Tailor (Basic Sewing Operator)

**TERMINAL COMPETENCY:** The candidate would be able to cut any type of garments.

**DURATION:** 270 Hrs.

**CONTENT** Cutting of various Garments

<b>Practical Competencies</b>	<b>Underpinning Knowledge (Theory)</b>
<ul style="list-style-type: none"><li>➤ Practice Health &amp; Safety – select, use, maintain &amp; store – tools, equipments &amp; clothing safely</li><li>➤ Practice of cutting with straight knife, band knife &amp; circular knife cutting machine</li><li>➤ To Cut various Garments like Shirts, Trousers, Pyjamas &amp; Kurtas, Suits skirts, Tops, salwar khameez, night gowns, house coats and kitchen aprons, Baby Suit, Bloomers</li><li>➤ Baby Frocks, Baby Rompus etc., Safety precautions to be followed while cutting garments and operating the machines</li></ul>	<ul style="list-style-type: none"><li>➤ Knowledge of Drafting &amp; Construction. Uses of Garment as per Trend, Occasion and Season.</li><li>➤ Knowledge of marking &amp; laying on fabric, different types of cutting machine &amp; fusing technology. Identifying different parts of garments.</li><li>➤ Safety Precautions to be taken while cutting</li></ul>

### **TOOLS AND EQUIPMENTS FOR A BATCH OF 20 TRAINEES.**

<b>S.NO.</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>
1.	Drafting Table	5 Nos.
2	Cutting Table	5 Nos.
3	Pressing Table	5 Nos.
4	L-Squad	20 Nos.
5	Trousers Stick	20 Nos.
6	Treadle Lock Stitch Machine	5 Nos.
7	Over-Lock Machine	5 Nos.
8	Treadle Motorized Sewing Machine	5 Nos.
9	Scissors	20 Nos.
10	French Curves	20 Nos.
11	Steam Iron	5 Nos.
12	Trimmers	20 Nos.
13	Seam Rippers	20 Nos.

## **MODULE - IX (Certificate Level – II)**

### **Garment Checkers**

**NAME** : Garment Checkers

**SECTOR** : Garments

**CODE** : GAR209

**ENTRY QUALIFICATION** : Minimum 8th Standard, 14 years of age  
MES Module on Tailor (Basic Sewing Operator)

**TERMINAL COMPETENCY**: The candidate would be able to check garments at Fabric level, Stitching level and Finished Product level.

**DURATION** : 210 Hrs.

**CONTENT** : To Check Garments at various levels of production.

<b>Practical Competencies</b>	<b>Underpinning Knowledge (Theory)</b>
<ul style="list-style-type: none"><li>➤ Practice Health &amp; Safety – select, use, maintain &amp; store – tools, equipments &amp; clothing safely</li><li>➤ To check the Fabric for defects, check the stitching, accessories, finished garments and approving or rejecting the finished product.</li></ul>	<ul style="list-style-type: none"><li>➤ Knowledge about garment as per comfort, occasion and season. Importance &amp; Uses</li><li>➤ Knowledge about various fabrics, accessories, stitching, and quality control. Specification sheet &amp; its importance. Defects classification in fabric stitching, stains etc.</li><li>➤ Measurements, quality principles,</li><li>➤ Safety Precautions to be followed for stitching.</li></ul>

#### **TOOLS AND EQUIPMENTS FOR A BATCH OF 20 TRAINEES.**

<b>S.NO.</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>
1.	Drafting Table	5 Nos.
2	Cutting Table	5 Nos.
3	Pressing Table	5 Nos.
4	L-Squad	20 Nos.
5	Trousers Stick	20 Nos.
6	Treadle Lock Stitch Machine	5 Nos.
7	Over-Lock Machine	5 Nos.
8	Treadle Motorized Sewing Machine	5 Nos.
9	Scissors	20 Nos.
10	French Curves	20 Nos.
11	Steam Iron	5 Nos.
12	Trimmers	20 Nos.
13	Seam Rippers	20 Nos.

**MODULE –X (Certificate Level-II)**  
**Skilled Sewing operator**

**NAME** : Skilled Sewing operator.

**SECTOR** : Garments

**CODE** : GAR210

**ENTRY QULIFFICATION:** Minimum 8th Standard, 14 years of age,  
 MES Module on Tailor (Basic Sewing Operator)

**TERMINAL COMPETENCY:** After completion of the course the trained person would be able to perform specialized skilled operation like necklines, yokes, plackets, collars.

**DURATION** : 210 Hrs.

**CONTENT** : To sew various operations like necklines, yokes, plackets, collars, cuffs, loops, bindings & facings.

Practical Competencies	Underpinning Knowledge (Theory)
<ul style="list-style-type: none"> <li>➤ Practice Health &amp; Safety – select, use, maintain &amp; store – tools, equipments &amp; clothing safely</li> <li>➤ Practice of cuffs, collars, &amp; pockets, loop making, back &amp; yoke attaching folders.</li> <li>➤ Practice of necklines, facing, bindings.</li> <li>➤ Practice of plackets like faced placket, continuous placket, standard placket, diamond placket &amp; kurta placket.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Knowledge about damages, quality aspects &amp; special attachments for special operations.</li> <li>➤ Use of necklines, yokes, cuffs, collars &amp; pockets.</li> <li>➤ Safety precautions to be followed while operating the machines.</li> </ul>

**TOOLS AND EQUIPMENTS FOR A BATCH OF 20 TRAINEES.**

S.NO.	DESCRIPTION	QUANTITY
1.	Drafting Table	10 Nos.
2	Sewing machine (Treadle & power)	5 Nos. each
3	L-Squad	5 Nos.
4	Measuring tape	20 Nos.
5	Machine scissors	20 Nos.
6	Shears	20 Nos.
7	Marking wheel	5 Nos.
8	French curve	2 Nos.
9	Seam Rippers	5 Nos.
10	Electric steam Iron	5 Nos.
11	Pressing pad	5 Nos.
12	Pressing table	5 Nos.

## **MODULE – XI (Certificate Level – II)**

### **Special Sewing Machine Operator**

**NAME : SPECIAL SEWING MACHINE OPERATOR**

**SECTOR : Garments**

**CODE : GAR211**

**ENTRY QUALIFICATION: Minimum 10th Standard, 14 years of age,  
MES Module on Tailor (Basic Sewing Operator)**

**TERMINAL COMPETENCY: The candidate would be able to operate Sewing Machines,  
single needle machine, button fixing & button hole making machine & other special machines.**

**DURATION : 270 Hrs.**

**CONTENT : To operate various types of specialized machines.**

<b>Practical Competencies</b>	<b>Underpinning Knowledge (Theory)</b>
<ul style="list-style-type: none"><li>➤ Practice Health &amp; Safety – select, use, maintain &amp; store – tools, equipments &amp; clothing safely</li><li>➤ Control of power machine.</li><li>➤ Operation of various power machines like industrial type, double needle machine, over lock, flat lock, panel board, button hole and button fixing machine and popping machine. Feed of arm.</li><li>➤ Installation of various machines.</li><li>➤ Safety precautions to be followed while operating the machines</li></ul>	<ul style="list-style-type: none"><li>➤ Information and use of various types of power machine operation.</li><li>➤ Knowledge about needles, special purpose machines &amp; its attachments.</li><li>➤ Uses of special sewing machine &amp; quality aspect.</li><li>➤ Care and maintenance of a sewing machine.</li><li>➤ Safety precautions.</li></ul>

#### **TOOLS AND EQUIPMENTS FOR A BATCH OF 20 TRAINEES.**

<b>S.NO.</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>
1.	Treadle machine	5 Nos.
2	Over lock machine twin needle,(motorized) 3-7 threads	5 Nos.
3	Button hole machine	1 Nos.
4	Treadle machine (motorized) 1/8 HP	5 Nos.
5	Machine attachment – zipper foot, tucker foot, hem folder, zigzag foot	5 Nos.
6.	Sewing machine specially for Jean Stitch	5 Nos.
7.	Scissors 25 Cm.	5 Nos.
8.	Scissors left hand 25 cm.	5 Nos.
9.	Popping machine	1 Nos.
10.	Button fixing	1 Nos.

11.	Machine Scissors, trimming edge 7”	5 Nos.
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## **MODULE – XII (Certificate Level – II)**

### **Tailor Children’s**

**NAME** : Tailor Children’s

**SECTOR** : Garments

**CODE** : GAR212

**ENTRY QUALIFICATION:** Minimum 8th Standard, 14 years of age,  
MES Module on Tailor (Basic Sewing Operator)

**TERMINAL COMPETENCY:** After completion of the course the trained person can design various children garments. Cut, sew and finishes as per specifications.

**DURATION** : 210 Hrs.

**CONTENT** : Drafting, cutting & sewing of children’s garments

<b>Practical Competencies</b>	<b>Underpinning Knowledge (Theory)</b>
<ul style="list-style-type: none"> <li>➤ Practice Health &amp; Safety – select, use, maintain &amp; store – tools, equipments &amp; clothing safely</li> <li>➤ Designing, Drafting, pattern making, pattern cutting, cutting, stitching &amp; finishing of the following garments</li> <li>➤ Zabra set, Baba suit, ‘A’linefrock, Yoke frock, Plain frock, Umbrella frock, Party frock, jumpsuit, dungarees, shirt &amp; shorts.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Knowledge about fabric trimmings as per age and use at appropriate garments.</li> <li>➤ Safety precautions. For handling different fabric &amp; trimmings for children.</li> <li>➤</li> </ul>

### **TOOLS AND EQUIPMENTS FOR A BATCH OF 20 TRAINEES.**

<b>S.NO.</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>
1.	Drafting Table	5 Nos.
2	Cutting Table	5 Nos.
3	Pressing Table	5 Nos.
4	L-Squad	20 Nos.
5	Curved Stick	20 Nos.
6	Threadle Motorized Sewing Machine	20 Nos.
7	Threadle lock stitch Machine	5 Nos.
8	Over lock Ma chine (3 –7) threads	2 Nos.
9	Button hole machine / Button fixing machine	5 Nos. Each
10	French Curves	20 Nos.
11	Steam Iron	5 Nos.
12	Trimmers	20 Nos.

13	Seam Rippers big& small trimming scissors, Marking wheel.	10 Nos. Each
14	Measuring tapes	20 Nos.
15	Pattern knotcher	5 Nos.
16	Scissors 25 Cm.	5 Nos.
17	Scissors left hand 25 cm.	5 Nos.
18	Machine Scissors, trimming edge 7"	5 Nos.
19	Machine attachment – zipper foot, tucker foot, hem folder, zigzag foot	5 Nos.
20	Mannequins and dress form children	1 No.
21	Thimbles-steel	20 Nos.

## **MODULE – XIII (Certificate Level – II)**

### **Tailor Ladies**

**NAME** : Tailor Ladies

**SECTOR** : Garments

**CODE** : GAR213

**ENTRY QUALIFICATION:** Minimum 8th Standard, 14 years of age,  
MES Module on Tailor (Basic Sewing Operator)

**TERMINAL COMPETENCY:** The candidate would be able to design, draft, cut & sew various Ladies garments with various necklines sleeves, collar, & different style, except suits.

**DURATION:** : 420 Hrs.

**CONTENT** : Drafting, cutting & stitching of ladies garment  
With different designs, styles & as per the market  
Trend.

<b>Practical Competencies</b>	<b>Underpinning Knowledge (Theory)</b>
<ul style="list-style-type: none"><li>➤ Practice Health &amp; Safety – select, use, maintain &amp; store – tools, equipments &amp; clothing safely</li><li>➤ Pattern making of various ladies garments with different necklines, sleeves, collar cutting stitching &amp; finishing of the following garments.</li><li>➤ Skirt, top's and maxis</li><li>➤ Kameez with dart, princess line, with kali, six piece, umbrella with yoke, overlap style.</li><li>➤ Salwar with waist band</li><li>➤ Surwar, patiyalla, dothi, Punjab, parallels &amp; bell bottom style.</li><li>➤ Plain blouse with waist belt.</li><li>➤ Semi katori blouse</li><li>➤ Katori blouse.</li><li>➤ Raglan blouse.</li><li>➤ High neck blouse.</li><li>➤ Kimono style, Halter neck..</li></ul>	<ul style="list-style-type: none"><li>➤ Knowledge of Fabric, trimmings accessories marking &amp; laying on fabric cutting of fabric, trial of garments &amp; alteration defects &amp; remedies.</li><li>➤ Safety precautions.</li></ul>

**TOOLS AND EQUIPMENTS FOR A BATCH OF 20 TRAINEES.**

<b>S.NO.</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>
1.	Drafting Table	5 Nos.
2	Cutting Table	5 Nos.
3	Pressing Table	5 Nos.
4	L-Squad	20 Nos.
5	Curved Stick	20 Nos.
6	Threadle Motorized Sewing Machine	20 Nos.
7	Threadle lock stitch Machine	5 Nos.
8	Over lock Machine (3 -7) threads	2 Nos.
9	Button hole machine / Button fixing machine	5 Nos. Each
10	French Curves	20 Nos.
11	Steam Iron	5 Nos.
12	Trimmers	20 Nos.
13	Seam Rippers big& small trimming scissors, marking wheel.	10 Nos. Each
14	Measuring tapes	20 Nos.
15	Pattern knotcher	5 Nos.
16	Scissors 25 Cm.	5 Nos.
17	Scissors left hand 25 cm.	5 Nos.
18	Machine Scissors, trimming edge 7"	5 Nos.
19	Machine attachment – zipper foot, tucker foot, hem folder, zigzag foot	5 Nos.
20	Mannequins and dress form ladies	1 No.
21	Thimbles-steel	20 Nos.

## **MODULE – XIV (Certificate Level – II)**

### **Tailor Gent's**

**NAME** : Tailor Gent's

**SECTOR** : Garments

**CODE** : GAR214

**ENTRY QUALIFICATION** : Minimum 8th Standard, 14 years of age,  
MES Module on Tailor (Basic Sewing Operator)

**TERMINAL COMPETENCY:** The candidate would be able to cut and sew Gent's Garments, except suits

**DURATION** : 210 Hrs.

**CONTENT** : Basic cutting and sewing operation

<b>Practical Competencies</b>	<b>Underpinning Knowledge (Theory)</b>
<ul style="list-style-type: none"><li>➤ Practice Health &amp; Safety – select, use, maintain &amp; store – tools, equipments &amp; clothing safely</li><li>➤ Drafting, cutting &amp; stitching, finishing, pressing of various garments using patterns. To sew various Garments like Shirts, Trousers, Pyjamas &amp; Kurtas, shorts &amp; 'T' shirts.</li><li>➤ Safety precaution to be followed while operating various machinery.</li></ul>	<ul style="list-style-type: none"><li>➤ Knowledge of various style men's wears, trimmings accessories marking &amp; laying on fabric cutting of fabric, trial of garments &amp; alteration defects &amp; remedies.</li><li>➤ Safety precaution.</li></ul>

#### **TOOLS AND EQUIPMENTS FOR A BATCH OF 20 TRAINEES.**

<b>S.NO.</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>
1.	Drafting Table	5 Nos.
2	Cutting Table	5 Nos.
3	Pressing Table	5 Nos.
4	L-Squad	20 Nos.
5	Curved Stick	20 Nos.
6	Threadle Motorized Sewing Machine	20 Nos.
7	Threadle lock stitch Machine	5 Nos.
8	Over lock Ma chine (3 –7) threads	2 Nos.
9	Button hole machine / Button fixing machine	5 Nos. Each
10	French Curves	20 Nos.

11	Steam Iron	5 Nos.
12	Trimmers	20 Nos.
13	Seam Rippers big& small trimming scissors, marking wheel.	10 Nos. Each
14	Measuring tapes	20 Nos.
15	Pattern knotcher	5 Nos.
16	Scissors 25 Cm.	5 Nos.
17	Scissors left hand 25 cm.	5 Nos.
18	Machine Scissors, trimming edge 7"	5 Nos.
19	Machine attachment – zipper foot, tucker foot, hem folder, zigzag foot	5 Nos.
20	Mannequins and dress form Gents	1 No.
21	Thimbles-steel	20 Nos.

## **MODULE – XV (Certificate Level – II)**

### **Tailor Suits**

**NAME** : Tailor Suits

**SECTOR** : Garments

**CODE** : GAR215

**ENTRY QUALIFICATION** : Minimum 10th Standard, 14 years of age. MES Module on Tailor (Basic Sewing Operator) and MES modules on ‘Tailor Ladies’ or ‘Tailor Gents’

**TERMINAL COMPETENCY:** The candidate would be able to cut and sew Gent’s & Ladies suits with different lapels, collars, style, pockets & plackets.

**DURATION** : 300 Hrs.

**CONTENT** : Drafting cutting, sewing & finishing of suits.

<b>Practical Competencies</b>	<b>Underpinning Knowledge (Theory)</b>
<ul style="list-style-type: none"><li>➤ Practice Health &amp; Safety – select, use, maintain &amp; store – tools, equipments &amp; clothing safely</li><li>➤ Drafting, cutting &amp; stitching, finishing, pressing of various garments using patterns. To sew various Garments like Suits, trousers, jeans, Casual Jackets, Fashions Trench coat, Panel jacket. S.B &amp; D.B Coat.</li><li>➤ Safety precaution to be followed while operating various machinery.</li></ul>	<ul style="list-style-type: none"><li>➤ Knowledge of various styles of coats accessories marking &amp; laying on fabric cutting of fabric, trial of garments &amp; alteration defects &amp; remedies.</li><li>➤ Safety precaution.</li></ul>

### **TOOLS AND EQUIPMENTS FOR A BATCH OF 20 TRAINEES.**

<b>S.NO.</b>	<b>DESCRIPTION</b>	<b>QUANTITY</b>
1.	Drafting Table	5 Nos.
2	Cutting Table	5 Nos.
3	Pressing Table	5 Nos.
4	L-Squad	20 Nos.
5	Curved Stick	20 Nos.
6	Threadle Motorized Sewing Machine	20 Nos.
7	Threadle lock stitch Machine	5 Nos.
8	Over lock Ma chine (3 –7) threads	2 Nos.
9	Button hole machine / Button fixing machine	5 Nos. Each

10	French Curves	20 Nos.
11	Steam Iron	5 Nos.
12	Trimmers	20 Nos.
13	Seam Rippers big& small trimming scissors, marking wheel.	10 Nos. Each
14	Measuring tapes	20 Nos.
15	Pattern knotcher	5 Nos.
16	Scissors 25 Cm.	5 Nos.
17	Scissors left hand 25 cm.	5 Nos.
18	Machine Scissors, trimming edge 7"	5 Nos.
19	Machine attachment – zipper foot, tucker foot, hem folder, zigzag foot	5 Nos.
20	Mannequins and dress form Gents	1 No.
21	Blowers	1 No.
22	Thread sucking machine	1 No.
23	Sleeve board	5 Nos.
24	Thimbles-steel	20 Nos.

## List of Expert/Trade Committee Members

### CURRICULUM DEVELOPMENT FOR SHORT TERM COURSES BASED ON MODULAR EMPLOYABLE SKILLS

SECTOR/AREA:   **Garments**

Sl. No.	Name, Designation & Organization	
1	Shri H Somasundaram, Director, ATI/EPI, Hyderabad	Chairman
2	Shri B R Muddapur, Director, Apex Hi-Tech, Bangalore	Member
3	Shri Dinesh Nijhawan, Joint Director, DGET, New Delhi	Member
4	Shri A K Ganguly, Joint Director, DGET, New Delhi	Member
5	Shri S J Amalan, Joint Director, Apex Hi-Tech, Bangalore	Member
6	Shri S D Lahari, Joint Director, FTI, Bangalore	Member
7	Shri B.S.Ravi Prasad, Deputy Director, RVTI(W) Bangalore	Member
8	Shri Ashwani Agarwal, Deputy Director, DGET. New Delhi	Member
9	Shri V Ananda, Asst. Director, RVTI(W), Bangalore	Member
10	Ms. S.Vasanthi, Training Officer, RVTI(W), Bangalore	Member
11	Shri C.S.Suresh Kumar, UDC, RVTI(W), Bangalore	Member
12	Shri Anshuman Dash, Operation Head, LOIVA, B'lore	Member
13	Shri Aji Tom, Head, MAS Pvt Ltd, B'lore	Member
14	Shri N K Thiru, Manager HR, MAS Pvt. Ltd. B'lore	Member
15	Ms. A N Kalyani, Partner, Sri Varu & Co. B'lore	Member
16	Shri A H Aswin, Manager, NEWS, B'lore	Member
17	Shri Y.C.Yogaiah, President, BEACON, B'lore	Member
18	Shri A S Jagadish, Manager HR, Baby Wear Co., B'lore	Member
19	Shri Anandalamar, Gents Tailor, Bangalore	Member
20	Ms. Jyothi, Ladies Tailor, Bangalore	Member
21	Ms. Supraja B K, Childrens Tailor, Bangalore	Member
22	Ashwani Aggarwal, Deputy Director of Training, DGET	Member