

**Curriculum  
For  
Certificate in CAD/CAM Computerized Pattern  
Designing  
(Certificate Level - 6 months)  
Code:VF51S016  
(2013)**

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**Name of the course:** Certificate in CAD/CAM Computerised Pattern Designing

### **Overall objective of the Course**

The objectives of this course are to train the people in such a way so that

- They can participate in the progress of readymade garment industry of the country.
- To increase the technical main power for CAD/CAM Computerized Pattern Designing System..
- To increase the employment.
- To fulfil the technical requirements of garment industry.
- To push them in the flow of economy, to give them confidence
- To stay able status in the society.

### **Competencies gained after completion of the course**

At the end of the course, the trainee must be able to attain the following competencies.

- Develop Manual Pattern
- Search out Basic Knowledge of Computer
- Learn Measuring Tools and Measuring Concept
- Learn Basic Knowledge and Concept of Garment
- Organize and Maintain Work Place Environment
- Operate Gerber Grading Software
- Start Digitizing
- Create and maintain Data Storage
- Make The Pattern
- Calculate Fabric Consumption
- Communicate with Co-workers
- Make Marker
- Health and Safety
- Maintain The Record
- Develop Professionalism
- Manage Time
- Upgrade Skills

- Work In A Team

## **Knowledge Proficiency Details**

On successful completion of course, the trainees must have acquired the following knowledge & skills:

- About IP Address
- Access Rights
- MS OFFICE
- Network Sharing
- Files conversion
- Fashion
- PDS and its versions
- Relevant CAD software
- Pattern Designing

## **Job Opportunities available immediately and in future**

After completion of the training, candidates can find the employment opportunities in the following disciplines..

Institutes & industries in which opportunities will be available:

- Governmental institutes.
- Semi Governmental Institutes.
- Private Institutes.
- Buying Offices.
- Garment industry.

## **Entry requirements**

- Intermediate

### **Minimum qualification of trainer**

2 year pattern designing diploma associated with CAD/CAM.

OR

B.Sc. Textile Engineering 2- Year Industrial cum training experience in garment industry.

### **Medium of Instruction**

- English/Urdu

### **Timeframe of assessment**

|                    |                        |
|--------------------|------------------------|
| Duration of Course | Six Months             |
| Total Hours        | 800 hrs                |
| Training Hours     | 765 hrs                |
| Module Test        | 25 hrs                 |
| Final Test         | 10 hrs                 |
| Per Week Hours     | 30 hrs                 |
| Per Day Hours      | 05 hrs (6 days a week) |

## Overview about the program – Curriculum for Certificate in CAD/CAM Computerized Pattern Designing

| Module Title & Aim  | Learning units  | Theory Hours | Workplace hours | Total Hours |
|---|---|--------------|-----------------|-------------|
| <p><b>Module1:</b><br/><b>Learn Basic Knowledge and Concept of Garment</b></p> <p><b>Aim:</b><br/>This module develops competency to get Acquaintance &amp; understanding about the basic garment</p> | <p>LIU1: Types of garments<br/>Tops:Jackets, shirts, Tee-shirt, coats, blouse etc.</p> <p>LIU2:Types of garments<br/>Bottoms:Trouser,skirt,shorts,Capri etc.</p> <p>LIU3:Types of garments<br/>Under garments: Ladies under garments, Gents under garments</p> <p>LIU4:Types of garments<br/>Other types:Sportswear,Overall,Night dresses etc.</p> <p>LIU5: Parts or components Of a garment.</p> | 5            | 20              | 25          |
| <p><b>Module 2:</b><br/><b>Search Out Basic Knowledge Of Computer</b></p> <p><b>Aim:</b><br/>This module develops competency to get Acquaintance &amp;</p>  | <p>LU1: Operate computer software.</p> <p>LU2: Learn about the hardware of computers</p> <p>LU3: Adjust input and output devices of computer</p> <p>LU4: Attach Gerber devices on equipment</p>   | 5            | 20              | 25          |

|   |   |   |    |    |
|---|---|---|----|----|
| understanding about the knowledge of computer   | LU5: Learn about the internet   |   |    |    |
| <b>Module3:<br/>Operate Gerber Software</b><br><br><b>Aim:</b><br>This module develops competency to get Acquaintance & understanding to run the Gerber Software  | LU1: Study the software manual and learn properly about the software<br><br>LU2: Start with launch pad to run the Gerber software.<br><br>LU3: Learn about the software applications which are connected with each other<br><br>LU4: Learn about the set up making applications.                | 5 | 50 | 55 |
| <b>Module4:<br/>Organize and Maintain Work Place Environment</b><br><br><b>Aim:</b><br>This module develops competency to get Acquaintance & understanding to maintain and organize the working environment | LU1:Keep the work place clean and organized<br><br>LU2:Keep the electronic Cables at reasonable distance<br><br>LU3:Keep the electronic devices in proper running condition<br><br>LU4: Keep the work environment relaxed and comfortable.<br><br>LU5:Arrange the files and documents correctly | 3 | 12 | 15 |
| <b>Module 5:<br/>Learn Measuring Tools and Measuring Concept</b><br><br><b>Aim:</b><br>This module develops   | LU1: keep the measuring tape with yourself every time at work place<br><br>LU2: keep the scale with yourself every time at work place   | 5 | 40 | 45 |

|  |  |   |    |    |
|--|--|---|----|----|
| competency to get Acquaintance & understanding about the measurement concepts  | <p>LU3: Learn the measuring concepts i.e.</p> <p>LU4: Mark measuring Points of garment.</p> <p>LU5: Mark the measurements position of garment.</p>   |   |    |    |
| <p><b>Module 6:<br/>Develop Manual Pattern</b></p> <p><b>Aim:</b><br/>This module develops competency to get Acquaintance &amp; understanding about the manual pattern</p> | <p>LU1: Handle the pattern cutting tools</p> <p>LU2: mark outlines on the pattern sheet</p> <p>LU3: mark the grain line</p> <p>LU4: Check seam allowances</p> <p>LU5; Make the division of size chart</p> <p>LU6: Develop shapes of different areas of pattern</p>   | 5 | 65 | 70 |
| <p><b>Module7:<br/>Start Digitizing</b></p> <p><b>Aim:</b><br/>This module develops competency to get Acquaintance &amp; understanding to learn the digitizing</p>         | <p>LU1: Attach the cables of digitizer properly</p> <p>LU2: Place the pattern on the digitizer in prescribe way</p> <p>LU3: Use digitizing menu and commands for pattern digitizing.</p> <p>LU4: Develop nested pattern digitizing, grading points, and functions of cursor.</p> <p>LU5:Keep the digitizer cursor in prescribed Place after closing the work</p> | 5 | 55 | 60 |
| <b>Module8:</b>  | LU1:Create data storage areas in the   | 2 | 20 | 22 |



|   |  |   |    |    |
|---|--|---|----|----|
| <p><b>Create and maintain Data Storage</b></p> <p><b>Aim:</b><br/>This module develops competency to get Acquaintance &amp; understanding to Store the data of Gerber Software</p>                                      | <p>explorer</p> <p>LU2:Store data from digitizer</p> <p>LU3:Store data from converted files</p>  |   |    |    |
| <p><b>Module9:<br/>Knowledge of Pattern Design system (PD)and system management</b></p> <p><b>Aim:</b><br/>This module develops competency to get Acquaintance &amp; understanding to make the computerized pattern</p> | <p>LU1: Evaluate tech pack</p> <p>LU2: Confirm base size.</p> <p>LU3: Make pattern using Pattern Designing Software.</p> <p>LU4: Make / Create rule table</p> <p>LU5: Apply Rule Table</p> <p>LU6: Make Model</p> <p>LU7: Grade Pattern</p> <p>LU8: Amend the pattern according to the fitting and shrinkage</p> | 5 | 70 | 75 |
| <p><b>Module10:<br/>Calculate Fabric Consumption</b></p> <p><b>Aim:</b><br/>This module develops competency to get Acquaintance &amp;</p>   | <p>LU1: Analyze and evaluate information</p> <p>LU2:Check fabric shrinkage and cut able width</p> <p>LU3: Check final size chart and garment</p> <p>LU4: Finalize pattern as per information</p>   | 5 | 52 | 57 |

|   |   |   |    |    |
|---|---|---|----|----|
| understanding to calculate the fabric consumption   | LU5: Add fabric shrinkage in the pattern<br>LU6: Withdraw the consumption based on marker.  |   |    |    |
| <b>Module11:<br/>Make Marker</b><br><br><b>Aim:</b><br>This module develops competency to get Acquaintance & understanding to make the marker | LU1: Make size detail<br>LU2: Write marker name<br>LU3: Write order name<br>LU4: Write order description and annotation and write lay limits<br>LU5: Write fabric width<br>LU6: Set the target of fabric utilization<br>LU7: Add shrinkage<br>LU8: Select proper model<br>LU9: Write the fabric type<br>LU10: Write the size range<br>LU11: Check the parts of the garment<br>LU12: Make marker according to target length.<br>LU13: Plot the markers | 5 | 65 | 70 |
|   | LU1:Maintain record of paper patterns provided by the customer<br>LU2:Maintain record of files related to   | 5 | 25 | 30 |

|   |  |   |    |    |
|---|--|---|----|----|
| <p><b>Module12:</b><br/><b>Maintain The Record</b></p> <p><b>Aim:</b><br/>This module develops competency to get Acquaintance &amp; understanding about the maintenance</p>                         | <p>measurements results</p> <p>LU3:Maintain record of files related to marker making</p> <p>LU4:Maintain the files related to maintenance of Gerber devices</p>  |   |    |    |
| <p><b>Module13:</b><br/><b>Communicate with Co-workers</b></p> <p><b>Aim:</b><br/>This module develops competency to get Acquaintance &amp; understanding about the communication skills of job</p> | <p>LU1: Communicate within department</p> <p>LU2: Communicate with other departments.</p> <p>LU3: Communicate with the buyers</p> <p>LU4: Communicate with the buying offices</p> <p>LU5: Communicate with other organizations</p> <p>LU6: Adopt different ways of communication</p> | 5 | 30 | 35 |
| <p><b>Module14:</b><br/><b>Health and Safety</b></p> <p><b>Aim:</b><br/>This module develops competency to get Acquaintance &amp; understanding about</p>   | <p>LU1: Plug the cable properly</p> <p>LU2: Install the electric devices at reasonable distances.</p> <p>LU3: cover the cables properly.</p> <p>LU4: Install the fire alarm properly</p>   | 5 | 25 | 30 |

|  |  |   |    |    |
|--|--|---|----|----|
| health and safety  | <p>LU5: Cover plotter knife properly.</p> <p>LU6: Deal with hazardous or emergency situations</p> <p>LU7: Install screen protectors for display</p> <p>LU8: Insect killer must be sprayed.</p> <p>LU9: Perform first aid procedure.</p> <p>LU10: Observe health, safety and security related procedures</p> <p>LU11: Follow workplace health safety and security requirements</p> <p>LU12: Follow the planning , organizing and safe work techniques</p> |   |    |    |
| <p><b>Module15:</b><br/><b>Develop Professionalism</b></p> <p><b>Aim:</b><br/>This module develops competency to get Acquaintance &amp; understanding to develop the professionalism</p> | <p>LU1:Participate in Training</p> <p>LU2:Interact with colleagues</p> <p>LU3:Consult with experts</p> <p>LU4:Participate in skill test/ competition</p>   | 5 | 25 | 30 |
| <p><b>Module16:</b><br/><b>Manage Time</b></p> <p><b>Aim:</b><br/>This module develops</p>   | <p>LU1:Manage time to complete the assigned work</p> <p>LU2:Manage work load as required by the management</p>   | 5 | 25 | 30 |

|  |   |          |           |           |
|--|---|----------|-----------|-----------|
| <p>competency to get Acquaintance &amp; understanding about the management of time</p>   | <p>LU3:Prioritize tasks<br/>LU4:Meet the specified deadlines<br/>LU5:Handle the co-workers</p>  |          |           |           |
| <p><b>Module17:<br/>Upgrade Skills</b></p> <p><b>Aim:</b><br/>This module develops competency to get Acquaintance&amp; understanding to upgrade the skills</p> | <p>LU1: Read relevant articles.<br/>LU2: Attend Seminars.<br/>LU3: Get training through institution.<br/>LU4: Communicate with technician and pattern advisor.<br/>LU5: Attend exhibitions.<br/>LU6: Explore Internet.<br/>LU7: Study different markets.</p>                                | <p>5</p> | <p>25</p> | <p>30</p> |
| <p><b>Module18:<br/>Work In A Team</b></p> <p><b>Aim:</b><br/>This module develops competency to get Acquaintance &amp; understanding to create the team</p>   | <p>LU1: Communicate with merchant<br/>LU2: Resolve contradictions in available information.<br/>LU3:Attend department meetings<br/>LU4: Cross check customer comments with counter sample.<br/>LU5: Keep record of data either in soft or hard form.<br/>LU6: Manage data in lead time.</p> | <p>5</p> | <p>25</p> | <p>30</p> |

|                           |   |           |            |            |
|---------------------------|---|-----------|------------|------------|
|                           | <p>LU7: Maintain quality standard and customer satisfaction.</p> <p>LU8: Set targets for the team.</p> <p>LU9: Perform duties and responsibilities in a positive manner</p> <p>LU10: Seek assistance from co-workers when difficulties arise</p> <p>LU11: Provide support to achieve organizational goals</p> |           |            |            |
| <b>Assessment Project</b> |   |           | <b>36</b>  | <b>30</b>  |
| <b>Total Hours</b>        |   | <b>85</b> | <b>649</b> | <b>800</b> |

# CAD/CAM Curriculum Contents

**Module 1 Title: Learn Basic Knowledge and Concept of Garment**

**Objective of the Module:** To get understanding about the basic knowledge and concept of garment

**Duration: 25hours**

**Theory: 5hours**

**Practice: 20hours**

| Learning Unit  | Learning Outcome  | Learning Elements   | Duration (Hours) | Material Required | Learning Place      |
|--|---|---|------------------|-------------------|---------------------|
| LU1: Types of garments<br>Tops:<br>Jackets, shirts, Tee-shirt, coats , blouse etc. | <ul style="list-style-type: none"> <li>✓ Understand about the types of garments</li> <li>✓ Able to recognize the type of garment</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge about the garment type<br/>Jackets, shirts, Tee-shirts, coats, blouse..</li> <li>✓ Ability to work with the specified type of garment</li> </ul> | 5                | Garments          | Workshop/class room |
| LU2:Types of garments<br>Bottoms:<br>Trouser,skirt,shorts, Capri etc.              | <ul style="list-style-type: none"> <li>✓ Understand about the types of garments</li> <li>✓ Able to recognize the type of garment</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge about the garment type<br/>Bottoms, Trouser, skirts shorts, Capri etc.</li> <li>✓ Ability to work with the specified type of garment</li> </ul>  | 5                | Garments          | Workshop/class room |
| LU3:Types of garments  | <ul style="list-style-type: none"> <li>✓ Understand about the types</li> </ul>  |   | 5                | Garments          | Workshop/class room |

|  |   |   |   |   |                     |
|--|---|---|---|---|---------------------|
| Under garments:<br>Ladies under garments<br>Gents under garments                     | of garments<br><br>✓ Able to recognize the type of garment                              | ✓ Knowledge about the garment type<br>Ladies Under garments<br>✓ Ability to work with the specified type of garment<br>Gents Under garments                       |   |   |                     |
| LU4:Types of garments<br>Other types:<br>Sportswear<br>Overall<br>Night dresses etc. | ✓ Understand about the types of garments<br><br>✓ Able to recognize the type of garment | ✓ Knowledge about the garment type<br>Sports wear , Night dresses.<br><br>✓ Ability to work with the specified type of garment                                    | 5 | Garments  | Workshop/class room |
| LU5: Parts or components Of a garment  | ✓ Understand about the parts of garment<br><br>✓ Able to recognize the parts of garment | ✓ Knowledge about the parts of a garment<br>Parts of Garment like in Jeans, Front Panel, Back panel, Back Pockets.<br>✓ Ability to analyze the parts of a garment | 5 | Different components of Garments(front panel, back panel, yoke, facing etc) | Workshop/class room |



**Module 2 Title: Search Out Basic Knowledge of Computer**

**Objective of the Module:** To get understanding about the basic knowledge of computer

**Duration: 25hours**

**Theory: 5hours**

**Practice: 20hours**

| Learning Unit                              | Learning Outcome   | Learning Elements   | Duration (Hours) | Material Required                        | Learning Place      |
|--|--|---|------------------|--|---------------------|
| LU1: Operate computer soft wares.          | <ul style="list-style-type: none"> <li>✓ Understand to operate the computer</li> <li>✓ Able to operate the computer</li> </ul>                     | <ul style="list-style-type: none"> <li>✓ Knowledge of using the computer soft wares</li> <li>✓ Ability to work on computer applications</li> </ul>                  | 6.25             | Monitor/LCD, CPU, etc                    | Workshop/class room |
| LU2: Learn about the hardware of computers | <ul style="list-style-type: none"> <li>✓ Understand about hardware of computer</li> <li>✓ Able to use the hardware of computer properly</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge of using the keyboard, mouse, printer, scanner etc.</li> <li>✓ Ability to work with computer hardware</li> </ul> | 6.25             | Keyboard, Mouse, Printers, Scanners etc. | Workshop/class room |
| LU3: Attach Gerber devices on equipment    | <ul style="list-style-type: none"> <li>✓ Understand about the Gerber devices</li> </ul>  | <ul style="list-style-type: none"> <li>✓ Knowledge of using the digitizing</li> </ul>   | 6.25             | Plotter, Digitizing table etc            | Workshop/class room |

|                               |   |   |      |                         |                     |
|-------------------------------|---|---|------|-------------------------|---------------------|
|                               | <ul style="list-style-type: none"> <li>✓ Able to attach the Gerber devices with cpu etc.</li> </ul>                   | <ul style="list-style-type: none"> <li>table and plotter etc</li> <li>✓ Ability to work with Gerber devices</li> </ul>                        |      |                         |                     |
| LU4: Learn about the internet | <ul style="list-style-type: none"> <li>✓ Understand about the internet</li> <li>✓ Able to use the internet</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge of using the internet properly</li> <li>✓ Ability to explore the net connection</li> </ul> | 6.25 | Internet connection etc | Workshop/class room |

**Module3 Title: Operate Gerber Software**

**Objective of the Module:** To get understanding about the Gerber software

**Duration: 55hours**

**Theory: 5hours**

**Practice: 50hours**

| Learning Unit  | Learning Outcome  | Learning Elements   | Duration (Hours) | Material Required         | Learning Place      |
|--|---|---|------------------|---------------------------|---------------------|
| LU1: Study the software manual and learn properly about the software           | <ul style="list-style-type: none"> <li>✓ Understand about the software</li> <li>✓ Able to start the work with software</li> </ul>                                       | <ul style="list-style-type: none"> <li>✓ Knowledge of Gerber software</li> <li>✓ Ability to work with Gerber software</li> </ul>              | 13.75            | Software manual, Computer | Workshop/class room |
| LU2: Start with launch pad to run the Gerber software.                         | <ul style="list-style-type: none"> <li>✓ Understand about the launch pad of software</li> <li>✓ Able to start work with launch pad</li> </ul>                           | <ul style="list-style-type: none"> <li>✓ Knowledge of Gerber software applications</li> <li>✓ Ability to use the Gerber launch pad</li> </ul> | 13.75            | computer                  | Workshop/class room |
| LU3: Learn about the software applications which are connected with each other | <ul style="list-style-type: none"> <li>✓ Understand way of working of the software</li> <li>✓ Able to work with the software applications</li> </ul>                    | <ul style="list-style-type: none"> <li>✓ Knowledge of working the software applications</li> <li>✓ Ability to run the software</li> </ul>     | 13.75            | computer                  | Workshop/class room |
| LU4: Learn about the set up making applications.                               | <ul style="list-style-type: none"> <li>✓ Understand the supporting applications of the software</li> <li>✓ Able to make the set up</li> <li>✓ of application</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge of making the set up files</li> <li>✓ Ability to run the software</li> </ul>               | 13.75            | computer                  | Workshop/class room |

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**Module 4 Title: Organize and Maintain Work Place Environment**

**Objective of the Module:** To get understanding about the organization and maintenance of work place environment

**Duration: 15hours**

**Theory: 3hours**

**Practice: 12hours**

| Learning Unit   | Learning Outcome   | Learning Elements  | Duration (Hours) | Material Required   | Learning Place      |
|---|--|--|------------------|---|---------------------|
| LU1:Keep the work place clean and organized                 | <ul style="list-style-type: none"> <li>✓ Understand about the cleanliness of work station</li> <li>✓ Able to work at clean and organized work station</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge about cleanliness and organizing the files, computer, printer etc</li> <li>✓ Ability to work at comfortable and organized work station</li> </ul> | 3                | Files, Computer, Office table, Chairs, Computer devices etc | Workshop/class room |
| LU2:Keep the electronic Cables at reasonable distance       | <ul style="list-style-type: none"> <li>✓ Understand to fix the cables in proper place</li> <li>✓ Able to work at safe work station</li> </ul>                    | <ul style="list-style-type: none"> <li>✓ Knowledge about electricity planning</li> <li>✓ Ability to work at safe, comfortable and organized workstation</li> </ul>                                   | 3                | Electric cables etc   | Workshop/class room |
| LU3:Keep the electronic devices in proper running condition | <ul style="list-style-type: none"> <li>✓ Understand to use the devices with proper way</li> <li>✓ Able to work smoothly</li> </ul>                               | <ul style="list-style-type: none"> <li>✓ Knowledge to on or off the devices properly</li> <li>✓ Ability to work with smooth flow</li> </ul>  | 3                | Computer, Plotter, Digitizer etc                            | Workshop/class room |

|  |   |  |          |                            |                            |
|--|---|--|----------|----------------------------|----------------------------|
| <p>LU4: Keep the work environment relaxed and comfortable.</p> | <ul style="list-style-type: none"> <li>✓ Understand the requirements of the environment</li> <li>✓ able to work with comfortable working environment</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge to work with relaxed mental conditions</li> <li>✓ Ability to work with comfortably</li> </ul> | <p>3</p> | <p>Books, Manuals etc</p>  | <p>Workshop/class room</p> |
| <p>LU5: Arrange the files and documents correctly</p>          | <ul style="list-style-type: none"> <li>✓ Understand to arrange the documents etc</li> <li>✓ Able to work with arranged manners</li> </ul>                       | <ul style="list-style-type: none"> <li>✓ Knowledge to organize the workstation</li> <li>✓ Ability to work in a systemize environment</li> </ul>  | <p>3</p> | <p>Record register etc</p> | <p>Workshop/class room</p> |

**Module 5 Title: Learn Measuring Tools and Measuring Concept**

**Objective of the Module:** To get understanding about the measuring tools and measuring concepts

**Duration: 45hours**

**Theory: 5hours**

**Practice: 40hours**

| Learning Unit   | Learning Outcome  | Learning Elements   | Duration (Hours) | Material Required     | Learning Place      |
|---|---|---|------------------|-----------------------|---------------------|
| LU1: keep the measuring tape with yourself every time at work place | <ul style="list-style-type: none"> <li>✓ Understand about the inches tape</li> <li>✓ Able to use the measuring tape</li> </ul>                | <ul style="list-style-type: none"> <li>✓ Knowledge of inches, cm etc</li> <li>✓ Ability to work with inches tape</li> </ul>                                 | 9                | Inches tape           | Workshop/class room |
| LU2: keep the scale with yourself every time                        | <ul style="list-style-type: none"> <li>✓ Understand about the scale</li> <li>✓ Able to use the scale</li> </ul>                               | <ul style="list-style-type: none"> <li>✓ Knowledge of inches, cm etc</li> <li>✓ Ability to work with scale</li> </ul>                                       | 9                | scale                 | Workshop/class room |
| LU3: Learn the measuring concepts i.e                               | <ul style="list-style-type: none"> <li>✓ Understand about the measuring concept of customer</li> <li>✓ Able to measure the garment</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge of measuring concepts</li> <li>✓ Ability to measure the garment according to customer concept</li> </ul> | 9                | Inches tape, Garment. | Workshop/class room |
| LU4: Mark measuring Points of garment                               | <ul style="list-style-type: none"> <li>✓ Understand about measuring point</li> <li>✓ Able to analyze the measuring points</li> </ul>          | <ul style="list-style-type: none"> <li>✓ Knowledge of measuring point of a garment</li> <li>✓ Ability to mark and</li> </ul>                                | 9                | Inches tape. Garment. | Workshop/class room |

|   |  |   |   |                       |                     |
|---|--|---|---|-----------------------|---------------------|
|   |  | measure the measuring points  |   |                       |                     |
| LU5: Mark the measurements position of garment. | <ul style="list-style-type: none"> <li>✓ Understand about the measuring positions of garment.</li> <li>✓ Able to analyze the positions of Measurement</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge of the positions of measurement</li> <li>✓ Ability to understand the positions measuring points</li> </ul> | 9 | Inches tape, Garment. | Workshop/class room |

**Module 6 Title: Develop Manual Pattern**

**Objective of the Module:** To get understanding about the manual pattern making

**Duration: 70hours**

**Theory: 5hours**

**Practice: 65hours**

| Learning Unit                           | Learning Outcome  | Learning Elements  | Duration (Hours) | Material Required                      | Learning Place      |
|---|---|--|------------------|--|---------------------|
| LU1: Handle the pattern cutting tools   | <ul style="list-style-type: none"> <li>✓ Understand the handling and usage of pattern cutting tools</li> <li>✓ Able to handle the tools of pattern cutting</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge of using the scissors and tracer etc.</li> <li>✓ Ability to use and understand the pattern cutting tools</li> </ul> | 11.66            | Pattern cutting table, scissor, tracer | Workshop/class room |
| LU2: mark outlines on the pattern sheet | <ul style="list-style-type: none"> <li>✓ Understand to mark the basic outlines of pattern</li> <li>✓ Able to draw the initial lines of pattern</li> </ul>             | <ul style="list-style-type: none"> <li>✓ Knowledge of taking the initial steps of pattern making</li> <li>✓ Ability to start the pattern Making</li> </ul>             | 11.66            | Led pencil, scale, inches tape         | Workshop/class room |
| LU3: mark the grain line                | <ul style="list-style-type: none"> <li>✓ Understand the base of pattern</li> <li>✓ Able to draw the body lines of pattern</li> </ul>                                  | <ul style="list-style-type: none"> <li>✓ Knowledge of drawing the grain line</li> <li>✓ Ability to draw the basic blocks</li> </ul>                                    | 11.66            | Scale, Led pencil,                     | Workshop/class room |
| LU4: Check seam allowances              | <ul style="list-style-type: none"> <li>✓ Understand the seam allowances of the pattern</li> </ul>   | <ul style="list-style-type: none"> <li>✓ Knowledge of seam allowances</li> <li>✓ Ability to draw the seam allowances</li> </ul>  | 1.66             | Pencil                                 | Workshop/class room |



|   |   |   |       |                               |                     |
|---|---|---|-------|-------------------------------|---------------------|
|   | <ul style="list-style-type: none"> <li>✓ Able to analyze the seam allowances</li> </ul>   |   |       |                               |                     |
| LU5; Make the division of size chart              | <ul style="list-style-type: none"> <li>✓ Understand the size chart</li> <li>✓ Able to divide the size chart</li> </ul>          | <ul style="list-style-type: none"> <li>✓ Knowledge of using the size chart</li> <li>✓ Ability to use the division of size chart</li> </ul>            | 11.66 | Size chart                    | Workshop/class room |
| LU6: Develop shapes of different areas of pattern | <ul style="list-style-type: none"> <li>✓ Understand the shapes of pattern</li> <li>✓ Able to make the pattern shapes</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge of using the set square and shaping tools etc</li> <li>✓ Ability to develop the pattern</li> </ul> | 11.6  | Set square, Shaping tools etc | Workshop/class room |

**Module 7 Title: Start Digitizing****Objective of the Module:** To get understanding about the digitizing**Duration: 60hours****Theory: 5hours****Practice: 55hours**

| <b>Learning Unit</b>  | <b>Learning Outcome</b>  | <b>Learning Elements</b>   | <b>Duration (Hours)</b> | <b>Material Required</b>      | <b>Learning Place</b> |
|---|--|--|-------------------------|-------------------------------|-----------------------|
| LU1: Attach the cables of digitizer properly                                    | <ul style="list-style-type: none"><li>✓ Understand to attach the cables</li><li>✓ Able to start the digitizer</li></ul>                            | <ul style="list-style-type: none"><li>✓ Knowledge of starting the digitizer</li><li>✓ Ability to run the digitizer</li></ul>                 | 12                      | Digitizer cables, Digitizer.  | Workshop/class room   |
| LU2: Place the pattern on the digitizer in prescribe way                        | <ul style="list-style-type: none"><li>✓ Understand to place the pattern on the digitizer</li><li>✓ Able to paste the pattern</li></ul>             | <ul style="list-style-type: none"><li>✓ Knowledge of patching the pattern on the digitizer</li><li>✓ Ability to start digitizing</li></ul>   | 12                      | Digitizer, Hard pattern, tape | Workshop/class room   |
| LU3: Use digitizing menu and commands for pattern digitizing.                   | <ul style="list-style-type: none"><li>✓ Understand the digitizer working</li><li>✓ Able to analyze digitizer menu</li></ul>                        | <ul style="list-style-type: none"><li>✓ Knowledge of using digitizer</li><li>✓ Ability to digitize the pattern</li></ul>                     | 12                      | Digitizer, Hard pattern, tape | Workshop/class room   |
| LU4: Develop nested pattern digitizing, grading points, and functions of cursor | <ul style="list-style-type: none"><li>✓ Understand the commands to digitize the nested pattern</li><li>✓ Able to start nested digitizing</li></ul> | <ul style="list-style-type: none"><li>✓ Knowledge of using nested digitizing commands</li><li>✓ Ability to digitize nested pattern</li></ul> | 12                      | Digitizer, Hard pattern, tape | Workshop/class room   |

|  |  |  |           |  |                                   |
|--|--|--|-----------|--|-----------------------------------|
| <p><i>LU5:Keep the digitizer cursor in prescribed Place after closing the work</i></p> | <ul style="list-style-type: none"> <li>✓ Understand to place the cursor</li> <li>✓ Able to close the work</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge close digitizing</li> <li>✓ Ability to complete the work</li> </ul> | <p>12</p> | <p>Digitizer,<br/>Hard pattern,<br/>tape</p> | <p><i>Workshop/class room</i></p> |
|--|--|--|-----------|--|-----------------------------------|

**Module 8 Title: Create and maintain Data Storage**

**Objective of the Module:** To get understanding about the creation and maintenance of data storage

**Duration: 22hours**

**Theory: 2hours**

**Practice: 20hours**

| <b>Learning Unit</b>                           | <b>Learning Outcome</b>  | <b>Learning Elements</b>  | <b>Duration (Hours)</b> | <b>Material Required</b> | <b>Learning Place</b> |
|--|--|---|-------------------------|--------------------------|-----------------------|
| LU1: Create data storage areas in the explorer | <ul style="list-style-type: none"><li>✓ Understand about the creation of data storage areas</li><li>✓ able to create storage areas</li></ul>             | <ul style="list-style-type: none"><li>✓ Knowledge of creating storage areas</li><li>✓ Ability to store the patterns Etc.</li></ul>                  | 7.33                    | computer                 | Workshop/class room   |
| LU2: Store data from digitizer                 | <ul style="list-style-type: none"><li>✓ Understand to store the data from digitizer</li><li>✓ Able to convert the data from digitizer</li></ul>          | <ul style="list-style-type: none"><li>✓ Knowledge of using the data converter</li><li>✓ Ability to work with the converted data</li></ul>           | 7.33                    | computer                 | Workshop/class room   |
| LU3: Store data from converted files           | <ul style="list-style-type: none"><li>✓ Understand to store the data from other files etc.</li><li>✓ Able to convert the data from other files</li></ul> | <ul style="list-style-type: none"><li>✓ Knowledge of converting different type of files</li><li>✓ Ability to work with the converted data</li></ul> | 7.33                    | computer                 | Workshop/class room   |

**Module 9 Title: Knowledge of Pattern Design system (PDS) and System Management**

**Objective of the Module:** To get understanding about the computerized pattern making

**Duration: 75hours**

**Theory: 5hours**

**Practice: 70hours**

| Learning Unit                                       | Learning Outcome   | Learning Elements  | Duration (Hours) | Material Required          | Learning Place      |
|---|--|--|------------------|----------------------------|---------------------|
| LU1: Evaluate tech pack                             | <ul style="list-style-type: none"> <li>✓ Understand to analyze the tech pack</li> <li>✓ Able to evaluate the technical book</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge to understand the customer requirements</li> <li>✓ Ability to work with the tech pack</li> </ul>                  | 9.38             | Technical book etc         | Workshop/class room |
| LU2: Confirm base size                              | <ul style="list-style-type: none"> <li>✓ Understand about the base size</li> <li>✓ Able to analyze the base size</li> </ul>            | <ul style="list-style-type: none"> <li>✓ Knowledge of making base size</li> <li>✓ Ability about the identification of base size</li> </ul>                           | 9.38             | Computer Technical package | Workshop/class room |
| LU3: Make pattern using Pattern Designing Software. | <ul style="list-style-type: none"> <li>✓ Understand about the making of pattern</li> <li>✓ Able to start the pattern making</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge of using (PDS) pattern design system</li> <li>✓ Ability to create the pattern in pattern design system</li> </ul> | 9.38             | Computer Technical package | Workshop/class room |
| LU4: Make / Create rule table                       | <ul style="list-style-type: none"> <li>✓ Understand about the rule table</li> <li>✓ Able to make the</li> </ul>                        | <ul style="list-style-type: none"> <li>✓ Knowledge of making rule table</li> <li>✓ Ability to create the rule table</li> </ul>                                       | 9.38             | Computer Technical package | Workshop/class room |

|   |  |   |      |                            |                     |
|---|--|---|------|----------------------------|---------------------|
|   | rule table   |   |      |                            |                     |
| LU5: Apply Rule Table   | <ul style="list-style-type: none"> <li>✓ Understand to apply the rule table</li> <li>✓ Able to apply the rule table</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge of using the rule table</li> <li>✓ Ability to work with the rule table</li> </ul>  | 9.38 | Computer Technical package | Workshop/class room |
| LU6: Make Model   | <ul style="list-style-type: none"> <li>✓ Understand about the model</li> <li>✓ Able to make the model</li> </ul>               | <ul style="list-style-type: none"> <li>✓ Knowledge of using the model</li> <li>✓ Ability to work with model</li> </ul>                | 9.38 | Computer Technical package | Workshop/class room |
| LU7: Grade Pattern  | <ul style="list-style-type: none"> <li>✓ Understand about the grading</li> <li>✓ Able to grade the pattern</li> </ul>          | <ul style="list-style-type: none"> <li>✓ Knowledge to grade the pattern</li> <li>✓ Ability to work with the graded pattern</li> </ul> | 9.38 | Computer Technical package | Workshop/class room |
| LU8: Amend the pattern according to the fitting and shrinkage | <ul style="list-style-type: none"> <li>✓ Understand about the amendments</li> <li>✓ Able to amend the pattern</li> </ul>       | <ul style="list-style-type: none"> <li>✓ Knowledge to make the amendments</li> <li>✓ Ability to make the amendments</li> </ul>        | 9.38 | Computer Technical package | Workshop/class room |

**Module 10 Title: Calculate Fabric Consumption**

**Objective of the Module:** To get understanding about the calculation of fabric consumption

**Duration: 57hours**

**Theory: 5hours**

**Practice: 52hours**

| Learning Unit                                  | Learning Outcome  | Learning Elements   | Duration (Hours) | Material Required                                  | Learning Place      |
|--|---|---|------------------|--|---------------------|
| LU1: Analyze and evaluate information          | <ul style="list-style-type: none"> <li>✓ Understand to evaluate the information</li> <li>✓ Able to analyze the information</li> </ul>                         | <ul style="list-style-type: none"> <li>✓ Knowledge of using the information</li> <li>✓ Ability to work according to information</li> </ul>            | 9.5              | Fabric width, Shrinkage, Size rang, Size chart etc | Workshop/class room |
| LU2: Check fabric shrinkage and cut able width | <ul style="list-style-type: none"> <li>✓ Understand about the shrinkage and fabric width</li> <li>✓ Able to analyze the shrinkage and fabric width</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge of shrinkage an fabric width</li> <li>✓ Ability to check the fabric width and shrinkage</li> </ul> | 9.5              | Fabric width, Shrinkage, etc                       | Workshop/class room |
| LU3: Check final size chart and garment        | <ul style="list-style-type: none"> <li>✓ Analyze the garment and size chart</li> <li>✓ Able to understand the size chart and garment</li> </ul>               | <ul style="list-style-type: none"> <li>✓ Knowledge about the fabric consumption</li> <li>✓ Ability to finalize the size chart and garment</li> </ul>  | 9.5              | Size chart, Garment.etc                            | Workshop/class room |
| LU4: Finalize pattern as per                   | <ul style="list-style-type: none"> <li>✓ Analyze the size</li> </ul>  | <ul style="list-style-type: none"> <li>✓ Knowledge to check the</li> </ul>  | 9.5              | Size chart, Garment.etc                            | Workshop/class room |

|  |  |   |     |          |                     |
|--|--|---|-----|----------|---------------------|
| information                                    | <p>range in size chart</p> <ul style="list-style-type: none"> <li>✓ Able to select the pattern according to the requirements</li> </ul>                  | <p>Final pattern</p> <ul style="list-style-type: none"> <li>✓ Ability to finalize the information</li> </ul>  |     |          |                     |
| LU5: Add fabric shrinkage in the pattern       | <ul style="list-style-type: none"> <li>✓ Understand to add the shrinkage in the pattern</li> <li>✓ Able to analyze the pattern with shrinkage</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge to use the pattern with added shrinkage</li> <li>✓ Ability to work with shrinkage added pattern</li> </ul> | 9.5 | Computer | Workshop/class room |
| LU6: Withdraw the consumption based on marker. | <ul style="list-style-type: none"> <li>✓ Understand to make the marker for consumption</li> <li>✓ Able to analyze the marker for consumption</li> </ul>  | <ul style="list-style-type: none"> <li>✓ Knowledge to draw the marker for consumption</li> <li>✓ Ability to finalize the consumption</li> </ul>               | 9.5 | computer | Workshop/class room |



**Module 11 Title: Make Marker****Objective of the Module:** To get understanding about the marker making**Duration: 70hours****Theory: 5hours****Practice: 65hours**

| <b>Learning Unit</b>   | <b>Learning Outcome</b>  | <b>Learning Elements</b>  | <b>Duration (Hours)</b> | <b>Material Required</b>     | <b>Learning Place</b> |
|--|--|---|-------------------------|------------------------------|-----------------------|
| LU1: Make size detail  | <ul style="list-style-type: none"><li>✓ Understand about the size detail</li><li>✓ Able to make the size detail</li></ul>                  | <ul style="list-style-type: none"><li>✓ Knowledge of using the size detail</li><li>✓ Ability to work with the size detail</li></ul> | 5.38                    | Computer,<br>Order quantity, | Workshop/class room   |
| LU2: Write marker name   | <ul style="list-style-type: none"><li>✓ Understand about the marker name</li><li>✓ Able to write the marker name</li></ul>                 | <ul style="list-style-type: none"><li>✓ Knowledge of order processing</li><li>✓ Ability to start order processing</li></ul>         | 5.38                    | computer                     | Workshop/class room   |
| LU3: Write order name  | <ul style="list-style-type: none"><li>✓ Understand about the order name</li><li>✓ Able to write the order name</li></ul>                   | <ul style="list-style-type: none"><li>✓ Knowledge of order processing</li><li>✓ Ability to work with order editor</li></ul>         | 5.38                    | computer                     | Workshop/class room   |
| LU4: Write order description and annotation and write lay limits | <ul style="list-style-type: none"><li>✓ Understand about the order description etc</li><li>✓ Able to write the order description</li></ul> | <ul style="list-style-type: none"><li>✓ Knowledge of order processing</li><li>✓ Ability to work with order editor</li></ul>         | 5.38                    | computer                     | Workshop/class room   |
| LU5: Write fabric  |  | <ul style="list-style-type: none"><li>✓ Knowledge of</li></ul>  | 5.38                    | computer                     | Workshop/class room   |

|   |  |   |      |          |                     |
|---|--|---|------|----------|---------------------|
| width                                     | <ul style="list-style-type: none"> <li>✓ Understand to write the fabric width</li> <li>✓ Able to analyze the fabric width</li> </ul>           | <ul style="list-style-type: none"> <li>using the fabric width</li> <li>✓ Ability to check the fabric width</li> </ul>                                     |      |          |                     |
| LU6: Set the target of fabric utilization | <ul style="list-style-type: none"> <li>✓ Understand to set the fabric utilization</li> <li>✓ Able to analyze the target utilization</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge of using the target utilization</li> <li>✓ Ability to work with adjusted target utilization</li> </ul> | 5.38 | computer | Workshop/class room |
| LU7: Add shrinkage                        | <ul style="list-style-type: none"> <li>✓ Understand to add the shrinkage</li> <li>✓ Able to analyze the added shrinkage</li> </ul>             | <ul style="list-style-type: none"> <li>✓ Knowledge of using the shrinkage format</li> <li>✓ Ability to work order shrinkage</li> </ul>                    | 5.38 | computer | Workshop/class room |
| LU8: Select proper model                  | <ul style="list-style-type: none"> <li>✓ Understand to select the model</li> <li>✓ Able to check the model</li> </ul>                          | <ul style="list-style-type: none"> <li>✓ Knowledge of using the model</li> <li>✓ Ability to select the right model</li> </ul>                             | 5.38 | computer | Workshop/class room |
| LU9: Write the fabric type                | <ul style="list-style-type: none"> <li>✓ Understand to write the fabric type</li> <li>✓ Able analyze the fabric type</li> </ul>                | <ul style="list-style-type: none"> <li>✓ Knowledge of using the fabric type</li> <li>✓ Ability to work with fabric types</li> </ul>                       | 5.38 | computer | Workshop/class room |
| LU10: Write the size range                | <ul style="list-style-type: none"> <li>✓ Understand to write the size quantity</li> </ul>  | <ul style="list-style-type: none"> <li>✓ Knowledge of</li> </ul>  | 5.38 | computer | Workshop/class room |

|   |  |  |      |          |                     |
|---|--|--|------|----------|---------------------|
|   | <ul style="list-style-type: none"> <li>✓ Able to analyze the size range</li> </ul>   | <ul style="list-style-type: none"> <li>using the size quantity</li> <li>✓ Ability to work with the quantity of sizes</li> </ul>                            |      |          |                     |
| LU11: Check the parts of the garment          | <ul style="list-style-type: none"> <li>✓ Understand to check the parts of garment</li> <li>✓ Able to analyze the parts of garment</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge of analyzing the parts of garment and starting marker</li> <li>✓ Ability to start the marker</li> </ul> | 5.38 | computer | Workshop/class room |
| LU12: Make marker according to target length. | <ul style="list-style-type: none"> <li>✓ Understand about the making of marker</li> <li>✓ Able to start the marker</li> </ul>                | <ul style="list-style-type: none"> <li>✓ Knowledge of using the marker making</li> <li>✓ Ability to work with the marker making</li> </ul>                 | 5.38 | computer | Workshop/class room |
| LU13: Plot the markers                        | <ul style="list-style-type: none"> <li>✓ Understand to plot the marker</li> <li>✓ Able to analyze this application</li> </ul>                | <ul style="list-style-type: none"> <li>✓ Knowledge to plot the marker</li> <li>✓ Ability to work with marker plotting</li> </ul>                           | 5.38 | computer | Workshop/class room |

**Module 12 Title: Maintain the Record****Objective of the Module:** To get understanding about the maintenance of records**Duration: 30hours****Theory: 5hours****Practice: 25hours**

| <b>Learning Unit</b>  | <b>Learning Outcome</b>  | <b>Learning Elements</b>   | <b>Duration (Hours)</b> | <b>Material Required</b>     | <b>Learning Place</b> |
|---|--|--|-------------------------|------------------------------|-----------------------|
| LU1: Maintain record of paper patterns provided by the customer | <ul style="list-style-type: none"><li>✓ Understand to maintain the record related customer paper patterns</li><li>✓ Able to analyze the paper patterns</li></ul>           | <ul style="list-style-type: none"><li>✓ Knowledge of making the system to maintain the record</li><li>✓ Ability to work with the paper patterns</li></ul>      | 7.5                     | Paper patterns<br>Files etc. | Workshop/class room   |
| LU2: Maintain record of files related to measurements results   | <ul style="list-style-type: none"><li>✓ Understand to maintain the record related measurements results</li><li>✓ Able to analyze the record related measurements</li></ul> | <ul style="list-style-type: none"><li>✓ Knowledge of making the system to maintain the record</li><li>✓ Ability to work with the measurements result</li></ul> | 7.5                     | Files etc                    | Workshop/class room   |
| LU3: Maintain record of files related to marker making          | <ul style="list-style-type: none"><li>✓ Understand to maintain the record related marker making</li></ul>  | <ul style="list-style-type: none"><li>✓ Knowledge of making the system to maintain the record</li></ul>  | 7.5                     | files                        | Workshop/class room   |

|   |   |  |     |  |                     |
|---|---|--|-----|--|---------------------|
|   | <ul style="list-style-type: none"> <li>✓ Able to analyze the record related marker making</li> </ul>  | <ul style="list-style-type: none"> <li>✓ Ability to work with the marker making files</li> </ul>   |     |  |                     |
| LU4:Maintain the files related to maintenance of Gerber devices | <ul style="list-style-type: none"> <li>✓ Understand to maintain the record related Gerber devices</li> <li>✓ Able to analyze the record related Gerber devices</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge of making the system to maintain the record</li> <li>✓ Ability to work with the Gerber devices</li> </ul> | 7.5 |  | Workshop/class room |

**Module 13 Title: Communicate with Co-workers**

**Objective of the Module:** To get understanding about the communication with co-worker

**Duration: 35hours**

**Theory: 5hours**

**Practice: 30hours**

| Learning Unit                              | Learning Outcome  | Learning Elements   | Duration (Hours) | Material Required  | Learning Place      |
|--|---|---|------------------|--|---------------------|
| LU1:<br>Communicate within department      | <ul style="list-style-type: none"> <li>✓ Understand to communicate with the department</li> <li>✓ Able to analyze the information</li> </ul>    | <ul style="list-style-type: none"> <li>✓ Knowledge of using the information</li> <li>✓ Ability to work with the department</li> </ul>       | 5.83             | Technical book, Size chart, etc                            | Workshop/class room |
| LU2:<br>Communicate with other departments | <ul style="list-style-type: none"> <li>✓ Understand to communicate with other departments</li> <li>✓ Able to analyze the information</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge of using the information</li> <li>✓ Ability to work with the other department</li> </ul> | 5.83             | Technical book, Size chart, etc                            | Workshop/class room |
| LU3:<br>Communicate with the buyers        | <ul style="list-style-type: none"> <li>✓ Understand to communicate with the buyers</li> <li>✓ Able to analyze the information</li> </ul>        | <ul style="list-style-type: none"> <li>✓ Knowledge of using the information</li> <li>✓ Ability to work with the buyer</li> </ul>            | 5.83             | Technical book, Size chart, Telecommunication, Emails, etc | Workshop/class room |
| LU4:                                       |   | <ul style="list-style-type: none"> <li>✓ Knowledge of</li> </ul>  | 5.83             | Technical book,  | Workshop/class room |

|  |   |  |      |  |                     |
|--|---|--|------|--|---------------------|
| Communicate with the buying offices        | <ul style="list-style-type: none"> <li>✓ Understand to communicate with the Buying offices</li> <li>✓ Able to analyze the information</li> </ul>  | <ul style="list-style-type: none"> <li>using the information</li> <li>✓ Ability to work with the buying office</li> </ul>  |      | Size chart, Telecommunication, Emails, etc                 |                     |
| LU5: Communicate with other organizations  | <ul style="list-style-type: none"> <li>✓ Understand to communicate with other organizations</li> <li>✓ Able to analyze the information</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge of using the information</li> <li>✓ Ability to work with other organizations</li> </ul>                           | 5.83 | Technical book, Size chart, Telecommunication, Emails, etc | Workshop/class room |
| LU6: Adopt different ways of communication | <ul style="list-style-type: none"> <li>✓ Understand about the ways of communication</li> <li>✓ Able to communicate</li> </ul>                     | <ul style="list-style-type: none"> <li>✓ Knowledge of using the sources of communication</li> <li>✓ Ability to work with different modes of communication</li> </ul> | 5.83 | Direct communication Telecommunication, Emails, Fax, etc   | Workshop/class room |

**Module 14 Title: Health and Safety**

**Objective of the Module:** To get understanding about the Health and Safety

**Duration: 30hours**

**Theory: 5hours**

**Practice: 25hours**

| Learning Unit  | Learning Outcome  | Learning Elements  | Duration (Hours) | Material Required                          | Learning Place      |
|--|---|--|------------------|--|---------------------|
| LU1: Plug the cable properly                               | <ul style="list-style-type: none"> <li>✓ Understand to plug the electronic cables</li> <li>✓ Able to analyze the cables</li> </ul>      | <ul style="list-style-type: none"> <li>✓ Knowledge to plugging the cables properly</li> <li>✓ Ability to work smoothly and properly</li> </ul> | 2.5              | Computer, Printer, Plotter, Digitizer, etc | Workshop/class room |
| LU2: Install the electric devices at reasonable distances. | <ul style="list-style-type: none"> <li>✓ Understand to install the electronic devices</li> <li>✓ Able to maintain the safety</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge about the installation of electronic devices</li> <li>✓ Ability to work safely</li> </ul>   | 2.5              | Computer, Printer, Plotter, Digitizer, etc | Workshop/class room |
| LU3: cover the cables properly.                            | <ul style="list-style-type: none"> <li>✓ Understand to cover the cable properly</li> <li>✓ Able to analyze the cables</li> </ul>        | <ul style="list-style-type: none"> <li>✓ Knowledge to cover the cables</li> <li>✓ Ability work safely</li> </ul>                               | 2.5              | Computer, Printer, Plotter, Digitizer, etc | Workshop/class room |
| LU4: Install the fire alarm properly                       | <ul style="list-style-type: none"> <li>✓ Understand to install the fire alarm</li> </ul>  | <ul style="list-style-type: none"> <li>✓ Knowledge of using the fire alarm</li> <li>✓ Ability to work</li> </ul>                               | 2.5              | Fire alarm                                 | Workshop/class room |



|  |   |  |     |  |                     |
|--|---|--|-----|--|---------------------|
|  | <ul style="list-style-type: none"> <li>✓ Able to analyze the fire alarm</li> </ul>  | healthy and safely   |     |  |                     |
| LU5: Cover plotter knife properly.               | <ul style="list-style-type: none"> <li>✓ Understand to cover the plotter knife</li> <li>✓ Able to analyze knife cover</li> </ul>          | <ul style="list-style-type: none"> <li>✓ Knowledge of using the plotter knife</li> <li>✓ Ability to work with plotter knife</li> </ul>         | 2.5 | Plotter knife                                  | Workshop/class room |
| LU6: Deal with hazardous or emergency situations | <ul style="list-style-type: none"> <li>✓ Understand to deal with hazardous etc</li> <li>✓ Able to analyze emergency situations</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge of using health and safety equipment</li> <li>✓ Ability to work safely</li> </ul>           | 2.5 | Fire calendars, Knife cover, Screen protector, | Workshop/class room |
| LU7: Install screen protectors for display       | <ul style="list-style-type: none"> <li>✓ Understand to install the screen protector</li> <li>✓ Able to analyze the display</li> </ul>     | <ul style="list-style-type: none"> <li>✓ Knowledge of using the screen protectors</li> <li>✓ Ability to work with safe eyesight</li> </ul>     | 2.5 | Computer etc.                                  | Workshop/class room |
| LU8: Insect killer must be sprayed               | <ul style="list-style-type: none"> <li>✓ Understand to spray the insect killer</li> <li>✓ Able to protect the environment</li> </ul>      | <ul style="list-style-type: none"> <li>✓ Knowledge of using the insect killer</li> <li>✓ Ability to work with protected environment</li> </ul> | 2.5 | Insect killer,                                 | Workshop/class room |
| LU9: Perform first aid procedure                 | <ul style="list-style-type: none"> <li>✓ Understand to perform the first aid procedure</li> <li>✓ Able to analyze first aid</li> </ul>    | <ul style="list-style-type: none"> <li>✓ Knowledge of using the first aid box</li> <li>✓ Ability to do quick</li> </ul>                        | 2.5 | First aid box                                  | Workshop/class room |

|   | procedure   | action in emergency   |     |                    |                     |
|---|---|---|-----|--------------------|---------------------|
| LU10: Observe health, safety and security related procedures    | <ul style="list-style-type: none"> <li>✓ Understand to follow the procedures</li> <li>✓ Able to analyze the procedures</li> </ul>   | <ul style="list-style-type: none"> <li>✓ Knowledge of using the procedures</li> <li>✓ Ability to teach about the health and safety requirements</li> </ul>          | 2.5 | Training materials | Workshop/class room |
| LU11: Follow workplace health safety and security requirements  | <ul style="list-style-type: none"> <li>✓ Understand about workplace health and security requirements etc</li> <li>✓ Able to analyze the workplace, safety And health policies</li> </ul>      | <ul style="list-style-type: none"> <li>✓ Knowledge of using the policies regarding health and safety</li> <li>✓ Ability to work with safe modes</li> </ul>          | 2.5 |                    | Workshop/class room |
| LU12: Follow the planning , organizing and safe work techniques | <ul style="list-style-type: none"> <li>✓ Understand to follow the organizing and safe work techniques</li> <li>✓ Able to analyze the planning, organizing and safe work techniques</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge of using the planning, organizing and safe work techniques</li> <li>✓ Ability to work with safe modes</li> </ul> | 2.5 | Training materials | Workshop/class room |

**Module 15 Title: Develop Professionalism**

**Objective of the Module:** To get understanding about the professionalism

**Duration: 30hours**

**Theory: 5hours**

**Practice: 25hours**

| Learning Unit                | Learning Outcome  | Learning Elements   | Duration (Hours) | Material Required                          | Learning Place      |
|------------------------------|---|---|------------------|--|---------------------|
| LU1:Participate in Training  | <ul style="list-style-type: none"> <li>✓ Understand to participate in training</li> <li>✓ Able to set the mind according to training</li> </ul>         | <ul style="list-style-type: none"> <li>✓ Knowledge of training sessions etc</li> <li>✓ Ability to trained the people</li> </ul>   | 7.5              | Training material and equipment            | Workshop/class room |
| LU2:Interact with colleagues | <ul style="list-style-type: none"> <li>✓ Understand to interact with colleagues</li> <li>✓ Able to develop the relationships with colleagues</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge of making the relationships</li> <li>✓ Ability to work comfortably , speedily and with good accuracy rate</li> </ul> | 7.5              | Debates related discoveries and inventions | Workshop/class room |
| LU3:Consult with experts     | <ul style="list-style-type: none"> <li>✓ Understand to consult with experts</li> <li>✓ Able to analyze the consultation</li> </ul>                      | <ul style="list-style-type: none"> <li>✓ Knowledge of using the expert's opinions etc.</li> <li>✓ Ability to work with confidence</li> </ul>                            | 7.5              | Debates related discoveries and inventions | Workshop/class room |

|   |   |  |     |  |                     |
|---|---|--|-----|--|---------------------|
| LU4:Participate in skill test/competition | <ul style="list-style-type: none"><li>✓ Understand to participate in skill test competitions</li><li>✓ Able to analyze the competitions</li></ul> | <ul style="list-style-type: none"><li>✓ Knowledge of conducting the skill test competitions</li><li>✓ Ability to conduct the skill test competitions</li></ul> | 7.5 |  | Workshop/class room |
|---|---|--|-----|--|---------------------|

**Module 16 Title: Manage Time**

**Objective of the Module:** To get understanding about the management of time

**Duration: 30hours**

**Theory: 5hours**

**Practice: 25hour**

| Learning Unit                                      | Learning Outcome   | Learning Elements  | Duration (Hours) | Material Required | Learning Place      |
|--|--|--|------------------|-------------------|---------------------|
| LU1:Manage time to complete the assigned work      | <ul style="list-style-type: none"> <li>✓ Understand to complete the targets with in time</li> <li>✓ Able to analyze the targets</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge to complete Assigned work</li> <li>✓ Ability to complete the targets</li> </ul>         | 6                |                   | Workshop/class room |
| LU2:Manage work load as required by the management | <ul style="list-style-type: none"> <li>✓ Understand to manage the work load</li> <li>✓ Able to analyze the work load</li> </ul>            | <ul style="list-style-type: none"> <li>✓ Knowledge to manage the work load</li> <li>✓ Ability to manage the work load</li> </ul>           | 6                |                   | Workshop/class room |
| LU3:Prioritize tasks                               | <ul style="list-style-type: none"> <li>✓ Understand to prioritize The tasks</li> <li>✓ Able to analyze the priorities</li> </ul>           | <ul style="list-style-type: none"> <li>✓ Knowledge to prioritize The tasks</li> <li>✓ Ability to prioritize the tasks</li> </ul>           | 6                |                   | Workshop/class room |
| LU4:Meet the specified deadlines                   | <ul style="list-style-type: none"> <li>✓ Understand to meet the specified deadlines etc</li> <li>✓ Able analyze the</li> </ul>             | <ul style="list-style-type: none"> <li>✓ Knowledge to meet the deadlines etc</li> <li>✓ Ability to meet the specified deadlines</li> </ul> | 6                |                   | Workshop/class room |

|                           |  |   |   |  |  |
|---------------------------|--|---|---|--|--|
|                           | specified deadlines  |   |   |  |  |
| LU5:Handle the co-workers | <ul style="list-style-type: none"> <li>✓ Understand to handle the co-workers</li> <li>✓ Able to handle the co-workers</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge to handle the co-workers</li> <li>✓ Ability to win output from co-workers</li> </ul> | 6 |  |  |

**Module 17 Title: Upgrade Skills**

**Objective of the Module:** To get understanding to upgrade the skills

**Duration: 30hours**

**Theory: 5hours**

**Practice: 25hours**

| Learning Unit   | Learning Outcome  | Learning Elements   | Duration (Hours) | Material Required                        | Learning Place      |
|---|---|---|------------------|--|---------------------|
| LU1: Read relevant articles                           | <ul style="list-style-type: none"> <li>✓ Understand to read the relevant articles</li> <li>✓ Able to read the relevant articles</li> </ul>          | <ul style="list-style-type: none"> <li>✓ Knowledge to search out The relevant articles</li> <li>✓ Ability to analyze the relevant articles</li> </ul> | 4.29             | Information related updated software etc | Workshop/class room |
| LU2: Attend Seminars                                  | <ul style="list-style-type: none"> <li>✓ Understand to attend the seminars</li> <li>✓ Able to attend the seminars</li> </ul>                        | <ul style="list-style-type: none"> <li>✓ Knowledge of managing the seminars</li> <li>✓ Ability to analyze the seminars</li> </ul>                     | 4.29             | Information related updated software etc | Workshop/class room |
| LU3: Get training through institution                 | <ul style="list-style-type: none"> <li>✓ Understand to get the training through institutions</li> <li>✓ Able to analyze the institutions</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge of training sessions</li> <li>✓ Ability to trained the workers/labor</li> </ul>                    | 4.29             | Learning material                        | Workshop/class room |
| LU4: Communicate with technician and pattern advisor. | <ul style="list-style-type: none"> <li>✓ Understand to communicate with technical experts</li> </ul>  | <ul style="list-style-type: none"> <li>✓ Knowledge of communication with technical experts</li> </ul>   | 4.29             | Information related updated software etc | Workshop/class room |

|                               |   |   |      |  |                     |
|-------------------------------|---|---|------|--|---------------------|
|                               | <ul style="list-style-type: none"> <li>✓ Able to communicate with technical experts</li> </ul>  | <ul style="list-style-type: none"> <li>✓ Ability to work with technical expert</li> </ul>   |      |  |                     |
| LU5: Attend exhibitions.      | <ul style="list-style-type: none"> <li>✓ Understand to attend the exhibitions</li> <li>✓ Able to attend the exhibitions</li> </ul>              | <ul style="list-style-type: none"> <li>✓ Knowledge of managing the exhibitions</li> <li>✓ Ability to analyze the exhibitions</li> </ul> | 4.29 | Information related updated software etc | Workshop/class room |
| LU6: Explore Internet.        | <ul style="list-style-type: none"> <li>✓ Understand to explore the internet</li> <li>✓ Able to analyze the internet</li> </ul>                  | <ul style="list-style-type: none"> <li>✓ Knowledge of using the internet</li> <li>✓ Ability to work with internet</li> </ul>            | 4.29 | Internet connection etc                  | Workshop/class room |
| LU7: Study different markets. | <ul style="list-style-type: none"> <li>✓ Understand to study different markets etc.</li> <li>✓ Able to analyze the different markets</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge to explore the markets</li> <li>✓ Ability to search out the markets</li> </ul>       | 4.29 | Information related updated software etc | Workshop/class room |



**Module 18 Title: Work In a Team**

**Objective of the Module:** To get understanding about to work in a team

**Duration: 30hours**

**Theory: 25hours**

**Practice: 25hours**

| Learning Unit   | Learning Outcome   | Learning Elements  | Duration (Hours) | Material Required  | Learning Place      |
|---|--|--|------------------|--|---------------------|
| LU1: Communicate with merchant                          | <ul style="list-style-type: none"> <li>✓ Understand to communicate with merchant</li> <li>✓ Able to share information with merchandiser</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge to discuss the matters with merchant</li> <li>✓ Ability to analyze the information etc</li> </ul> | 2.73             | Customer tack pack, Customer comments, Counter sample  | Workshop/class room |
| LU2: Resolve contradictions in available information.   | <ul style="list-style-type: none"> <li>✓ Understand to resolve the contradictions</li> <li>✓ Able to analyze the information</li> </ul>            | <ul style="list-style-type: none"> <li>✓ Knowledge to tackle the matters</li> <li>✓ Ability to face the terrible situations</li> </ul>               | 2.73             | Customer tack pack, Customer comments, Counter sample Production planning material, Records, Daily plans etc | Workshop/class room |
| LU3:Attend department meetings                          | <ul style="list-style-type: none"> <li>✓ Understand to attend the department meetings</li> <li>✓ Able to discuss the matters in meeting</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge to attend the meetings</li> <li>✓ Ability to organize the meetings</li> </ul>                     | 2.73             | Production planning material, Records, Daily plans etc   | Workshop/class room |
| LU4: Cross check customer comments with counter sample. | <ul style="list-style-type: none"> <li>✓ Understand to cross check the information</li> </ul>  | <ul style="list-style-type: none"> <li>✓ Knowledge to analyze the customer's comments etc</li> </ul>   | 2.73             | Customer tack pack, Customer comments, Counter sample etc  | Workshop/class room |

|   |   |   |      |  |                     |
|---|---|---|------|--|---------------------|
|   | <ul style="list-style-type: none"> <li>✓ Able to check and evaluate the customer's provided information</li> </ul>                                | <ul style="list-style-type: none"> <li>✓ Ability to work with customer's comments</li> </ul>                                      |      |  |                     |
| LU5: Keep record of data either in soft or hard form.     | <ul style="list-style-type: none"> <li>✓ Understand to keep the record</li> <li>✓ Able to analyze the record</li> </ul>                           | <ul style="list-style-type: none"> <li>✓ Knowledge to maintain the record</li> <li>✓ Ability to store or safe the data</li> </ul> | 2.73 | Production planning material, Records, Daily plans etc | Workshop/class room |
| LU6: Manage data in lead time.                            | <ul style="list-style-type: none"> <li>✓ Understand to manage date in lead-time</li> <li>✓ Able to meet the targets</li> </ul>                    | <ul style="list-style-type: none"> <li>✓ Knowledge to manage the targets</li> <li>✓ Ability to work in time</li> </ul>            | 2.73 | Production planning material, Records, Daily plans etc | Workshop/class room |
| LU7: Maintain quality standard and customer satisfaction. | <ul style="list-style-type: none"> <li>✓ Understand to maintain quality standards etc</li> <li>✓ Able to analyze the quality standards</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge of quality policies</li> <li>✓ Ability to satisfy the customers etc</li> </ul> | 2.73 | Customer tack pack, Customer comments, etc             | Workshop/class room |
| LU8: Set targets for the team.                            | <ul style="list-style-type: none"> <li>✓ Understand to set targets for team</li> <li>✓ Able to set the team</li> </ul>                            | <ul style="list-style-type: none"> <li>✓ Knowledge to manage the team</li> <li>✓ Ability to lead the team</li> </ul>              | 2.73 | Production planning material, Records, Daily plans etc | Workshop/class room |
| LU9: Perform duties and responsibilities in a             | <ul style="list-style-type: none"> <li>✓ Understand to perform the duties and responsibilities</li> </ul>   | <ul style="list-style-type: none"> <li>✓ Knowledge to set the responsibilities</li> <li>✓ Ability to work</li> </ul>              | 2.73 | Production planning material, Records, Daily plans etc | Workshop/class room |

|   |   |   |      |  |                     |
|---|---|---|------|--|---------------------|
| positive manner   | <ul style="list-style-type: none"> <li>✓ Able to analyze the responsibilities</li> </ul>  | positively  |      |  |                     |
| LU10: Seek assistance from co-workers when difficulties arise | <ul style="list-style-type: none"> <li>✓ Understand to seek assistance from co-workers</li> <li>✓ Able to solve the difficulties</li> </ul>   | <ul style="list-style-type: none"> <li>✓ Knowledge to coordinate with co-workers</li> <li>✓ Ability to face the difficulties</li> </ul>         | 2.73 | Production planning material, Records, Daily plans etc | Workshop/class room |
| LU11: Provide support to achieve organizational goals         | <ul style="list-style-type: none"> <li>✓ Understand to provide support in organizational goals</li> <li>✓ Able to support the team</li> </ul> | <ul style="list-style-type: none"> <li>✓ Knowledge to achieve the organizational goals</li> <li>✓ Ability to support in difficulties</li> </ul> | 2.73 | Production planning material, Records, Daily plans etc | Workshop/class room |

# CAD/CAM Curriculum Assessment

**Module 1 Title:** Learn Basic Knowledge and Concept of Garment

**Objective of the Module:** To get understanding about the basic knowledge and concept of garment

**Duration:** 2hours

**Theory:** 0.5 hours

**Practice:** 1.5 hours

| Learning Unit   | Theory Days/hours | Workplace Days/hours | Recommended Formative Assessment  | Recommended Methodology  | Scheduled Dates      |
|---|-------------------|----------------------|---|--|----------------------|
| <b>M1-LU1: Types of garments<br/>Tops:<br/>Jackets,shirts,Tee-shirt,coats,blouse etc.</b>     | 0.5               | 1.5                  | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the different types of garments</li> <li>✓ Describe the different types of jacket</li> <li>✓ Demonstrate the fitting of jacket</li> </ul>   | <ul style="list-style-type: none"> <li>✓ Oral</li> <li>✓ Practical/ Demonstration</li> <li>✓ MCQs</li> <li>Written test</li> </ul> | At the end of module |
| <b>M1-LU2:Types of garments<br/>Bottoms:<br/>Trouser,skirt,shorts, Capri etc.</b>             |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the different types of garments</li> <li>✓ Describe the different types of trouser</li> <li>✓ Demonstrate the fitting of trouser</li> </ul> |  |                      |
| <b>M1-LU3:Types of garments<br/>Under garments:<br/>Ladies under garments<br/>Gents under</b> |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the different types of garments</li> <li>✓ Describe the different types of undergarments</li> </ul>   |  |                      |

|  |  |  |   |  |  |
|--|--|--|---|--|--|
| garments   |  |  | <ul style="list-style-type: none"> <li>✓ Demonstrate the fitting of undergarments</li> </ul>  |  |  |
| <b>M1-LU4:Types of garments</b><br><b>Other types:</b><br><b>Sportswear</b><br><b>Overall</b><br><b>Night dresses etc.</b> |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain the different types of garments</li> <li>✓ Describe the different types of sportswear garments</li> <li>✓ Demonstrate the fitting of sportswear garments</li> </ul>    |  |  |
| <b>M1-LU5: Parts or components Of a garment</b>  |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain the different parts of a garment</li> <li>✓ Describe the different types of back pocket</li> <li>✓ Demonstrate the shapes of different types of coin pocket</li> </ul> |  |  |

**Module 2 Title: Search Out Basic Knowledge of Computer**

**Objective of the Module:** To get understanding about the basic knowledge of computer

**Duration:** 2 hours

**Theory:** 0.5 hours

**Practice:** 1.5 hours

| Learning Unit  | Theory Days/hours | Workplace Days/hours | Recommended Formative Assessment  | Recommended Methodology  | Scheduled Dates      |
|--|-------------------|----------------------|---|--|----------------------|
| <b>M2-LU1: Operate computer software's.</b>          | 0.5               | 1.5                  | Trainee will <ul style="list-style-type: none"> <li>✓ Explain, the different types of computer software which are used to support the Gerber software</li> <li>✓ Describe the usage of software</li> <li>✓ Demonstrate and identify different soft wares</li> </ul>   | <ul style="list-style-type: none"> <li>✓ Oral</li> <li>✓ Practical/ Demonstration</li> <li>✓ MCQs</li> <li>Written test</li> </ul> | At the end of module |
| <b>M2-LU2: Learn about the hardware of computers</b> |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain, the different types of hardware which are attached to computer to support the Gerber software or used specially for Gerber software</li> <li>✓ Describe the usage of plotter, digitizer, auto cutter etc</li> <li>✓ Demonstrate and identify different functions of output devices of Gerber technology</li> </ul> |  |                      |
| <b>M2-LU3: Adjust input and output devices of</b>    |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the types of input and output</li> </ul>  |  |                      |

|   |  |  |  |  |  |
|---|--|--|--|--|--|
|   |  |  | <p>devices</p> <ul style="list-style-type: none"> <li>✓ Describe the usage of input and output devices</li> <li>✓ Demonstrate and identify different input and output devices(printer, cpu, monitor, scanner etc)</li> </ul>       |  |  |
| <b>M2-LU4: Attach Gerber devices on equipment</b> |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain different types of Gerber devices</li> <li>✓ Describe the usage of Gerber devices</li> <li>✓ Demonstrate and identify the different Gerber devices</li> </ul> |  |  |
| <b>M2-LU5: Learn about the internet</b>           |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain what is the internet</li> <li>✓ Describe the usage of internet</li> <li>✓ Demonstrate and identify the most popular links of internet</li> </ul>              |  |  |

**Module 3 Title: Operate Gerber Software**

**Objective of the Module:** To get understanding about the Gerber software

**Duration:** 2 hours

**Theory:** 0.5hours

**Practice:** 1.5hours

| Learning Unit   | Theory Days/hours | Workplace Days/hours | Recommended Formative Assessment  | Recommended Methodology  | Scheduled Dates      |
|---|-------------------|----------------------|---|--|----------------------|
| M3-LU1: Study the software manual and learn properly about the software           | 0.5               | 1.5                  | Trainee will <ul style="list-style-type: none"> <li>✓ Explain about the installation of Gerber soft ware</li> <li>✓ Describe learning of soft ware from soft ware manual</li> <li>✓ Demonstrate to take initial step to start the working with soft ware</li> </ul>                             | <ul style="list-style-type: none"> <li>✓ Oral</li> <li>✓ Practical/ Demonstration</li> <li>✓ MCQs</li> <li>Written test</li> </ul> | At the end of module |
| M3-LU2: Start with launch pad to run the Gerber software.                         |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the different versions of soft ware available in the market</li> <li>✓ Describe the different types of Gerber soft ware applications and their purpose</li> <li>✓ Demonstrate and identify the functions of launch pad</li> </ul> |  |                      |
| M3-LU3: Learn about the software applications which are connected with each other |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain two most important applications of soft ware</li> <li>✓ Describe the usage of soft ware and its role in the garment industry</li> <li>✓ Demonstrate and identify the benefits</li> </ul>  |  |                      |



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|   |  |  | of connection of Gerber software applications   |  |  |
| M3-LU4: Learn about the set up making applications. |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain the role of annotation in the marker making</li> <li>✓ Describe the usage of set up making applications</li> <li>✓ Demonstrate and identify the set up making files and their role in the Gerber software</li> </ul> |  |  |

**Module 4 Title: Organize and Maintain Work Place Environment**

**Objective of the Module:** To get understanding about the organization and maintenance of work place environment

**Duration: 2 hours**

**Theory: 0.5 hours**

**Practice: 1.5 hours**

| Learning Unit  | Theory Days/hours | Workplace Days/hours | Recommended Formative Assessment   | Recommended Methodology  | Scheduled Dates      |
|--|-------------------|----------------------|--|--|----------------------|
| M4-LU1:Keep the work place clean and organized           | 0.5               | 1.5                  | Trainee will <ul style="list-style-type: none"> <li>✓ Explain, what means of cleanliness of work station</li> <li>✓ Describe the organization of workstation</li> <li>✓ Demonstrate and identify the set up of different work stations</li> </ul>  | <ul style="list-style-type: none"> <li>✓ Oral</li> <li>✓ Practical/ Demonstration</li> <li>✓ MCQs</li> <li>Written test</li> </ul> | At the end of module |
| M4-LU2:Keep the electronic Cables at reasonable distance |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain about the electricity planning of a workstation for smooth flow of electricity and to make the workstation comfortable</li> <li>✓ Describe the fixation of electric cables at workstation</li> <li>✓ Demonstrate the planning of devices cables</li> </ul> |  |                      |
| M4-LU3:Keep the electronic devices in proper running     |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the functions of different</li> </ul>  |  |                      |

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| condition  |  |  | <p>devices of system and Gerber software</p> <ul style="list-style-type: none"> <li>✓ Describe the attachment of cables with the devices</li> <li>✓ Demonstrate and identify the different devices of system and Gerber Technology</li> </ul>  |  |  |
| M4-LU4: Keep the work environment relaxed and comfortable. |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain the characteristics of the personality for excellent working environment</li> <li>✓ Describe steps to make the environment relax and comfortable</li> <li>✓ Demonstrate the set up of arranged and comfortable working environment</li> </ul>             |  |  |
| M4-LU5: Arrange the files and documents correctly          |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain the best system to arrange the data , files and documents</li> <li>✓ Describe the systemize working environment of any organization</li> <li>✓ Demonstrate and identify the system to categorize the files and document under the proper heads</li> </ul> |  |  |

**Module 5 Title: Learn Measuring Tools and Measuring Concept**

**Objective of the Module:** To get understanding about the measuring tools and measuring concepts

**Duration: 2 hours**

**Theory:0.5 hours**

**Practice: 1.5 hours**

| Learning Unit  | Theory Days/hours | Workplace Days/hours | Recommended Formative Assessment  | Recommended Methodology  | Scheduled Dates      |
|--|-------------------|----------------------|---|--|----------------------|
| M5-LU1: keep the measuring tape with yourself every time at work place | 0.5               | 1.5                  | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the conversion from inches to centimeter</li> <li>✓ Describe the usage of measuring tape during the measurement of a garment</li> <li>✓ Demonstrate and identify the different types of measuring units as per requirement of customer</li> </ul> | <ul style="list-style-type: none"> <li>✓ Oral</li> <li>✓ Practical/ Demonstration</li> <li>✓ MCQs</li> <li>Written test</li> </ul> | At the end of module |
| M5-LU2: keep the scale with yourself every time                        |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the conversion from millimeters to centimeters</li> <li>✓ Describe the usage of scale during the measurement of small parts of a garment</li> <li>✓ Demonstrate and identify units in inches</li> </ul>   |  |                      |
| M5-LU3: Learn the measuring concepts i.e.                              |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the different methods of measuring the seat of a garment</li> </ul>   |  |                      |

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|  |  |  | <ul style="list-style-type: none"> <li>✓ Describe the measurements of a garment</li> <li>✓ Demonstrate and identify the different points of measurement</li> </ul>   |  |  |
| M5-LU4: Mark measuring Points of garment           |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain the different ways of measuring the seat</li> <li>✓ Describe the measuring points of a garment</li> <li>✓ Demonstrate small parts measurement of a garment</li> </ul>             |  |  |
| M5-LU5: Mark the measurements position of garment. |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain the different measuring positions of a garment</li> <li>✓ Describe different ways of measuring the knee position</li> <li>✓ Demonstrate the seat position of a garment</li> </ul> |  |  |

**Module 6 Title: Develop Manual Pattern**

**Objective of the Module:** To get understanding about the manual pattern making

**Duration: 2 hours**

**Theory:0.5 hours**

**Practice: 1.5 hours**

| Learning Unit                              | Theory Days/hours | Workplace Days/hours | Recommended Formative Assessment  | Recommended Methodology  | Scheduled Dates      |
|--|-------------------|----------------------|---|--|----------------------|
| M6-LU1: Handle the pattern cutting tools   | 0.5               | 1.5                  | Trainee will <ul style="list-style-type: none"> <li>✓ Explain types of pattern cutting tools to take the initial steps(pattern cutting table)</li> <li>✓ Describe the right usage of pattern cutting tools at right time for making the patterns on the pattern sheets</li> <li>✓ Demonstrate and identify the functions of different pattern cutting tools at different steps of making the patterns (scissors,, tracer, pattern cutting table etc)</li> </ul> | <ul style="list-style-type: none"> <li>✓ Oral</li> <li>✓ Practical/ Demonstration</li> <li>✓ MCQs</li> <li>Written test</li> </ul> | At the end of module |
| M6-LU2: mark outlines on the pattern sheet |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the initial steps to start the cutting of pattern on the pattern sheet</li> <li>✓ Describe the basic outline on which the drawing of pattern will be started</li> <li>✓ Demonstrate and identify the marking of pattern outlines through which we can make different shapes of different areas of the pattern</li> </ul>  |  |                      |
| M6-LU3: mark the                           |                   |                      |   |  |                      |

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| grain line   |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain the grain line which shows the direction of pattern and which is base of pattern</li> <li>✓ Describe the purpose of grain line in the pattern</li> <li>✓ Demonstrate and identify how to draw the grain line in the pattern</li> </ul> |  |  |
| M6-LU4: Check seam allowances                        |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain, what are the seam allowances of the patterns</li> <li>✓ Describe the usage of seam allowances (sewing margins) for different operations</li> <li>✓ Demonstrate and identify the seam allowances of different patterns</li> </ul>      |  |  |
| M6-LU5; Make the division of size chart              |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain the different types of size charts of different regions</li> <li>✓ Describe the usage of size charts of any customer</li> <li>✓ Demonstrate and identify the seam allowances of different operations</li> </ul>                        |  |  |
| M6-LU6: Develop shapes of different areas of pattern |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain the types of pattern shapes of different regions</li> </ul>  |  |  |

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|  |  |  | <ul style="list-style-type: none"><li>✓ Describe the difference between the shapes of men's and women's crotch</li><li>✓ Demonstrate and identify the scoop area of basic five pocket jeans</li></ul> |  |  |
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**Module 7 Title: Start Digitizing**

**Objective of the Module:** To get understanding about the digitizing

**Duration:** 2hours

**Theory:** 0.5hours

**Practice:** 1.5 hours

| Learning Unit  | Theory Days/hours | Workplace Days/hours | Recommended Formative Assessment  | Recommended Methodology  | Scheduled Dates      |
|--|-------------------|----------------------|---|--|----------------------|
| M7-LU1: Attach the cables of digitizer properly                  | 0.5               | 1.5                  | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the type of cables which are attached with the digitizer to connect with the system and electricity</li> <li>✓ Describe the usage of digitizer</li> <li>✓ Demonstrate to take initial step to start the digitizing</li> </ul>                             | <ul style="list-style-type: none"> <li>✓ Oral</li> <li>✓ Practical/ Demonstration</li> <li>✓ MCQs</li> <li>Written test</li> </ul> | At the end of module |
| M7-LU2: Place the pattern on the digitizer in prescribe way      |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the placement of pattern on the digitizer</li> <li>✓ Describe the working area of digitizer</li> <li>✓ Demonstrate the prescribe way to start the digitizing of pattern</li> </ul>  |  |                      |
| M7-LU3: Use digitizing menu and commands for pattern digitizing. |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the functions of digitizing menu commands which is made on left side of digitizer</li> <li>✓ Describe the way of using the commands on digitizer menu</li> <li>✓ Demonstrate and identify the role of grain line during the pattern digitizing</li> </ul> |  |                      |

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| <p>M7-LU4: Develop nested pattern digitizing, grading points, and functions of cursor</p> |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain the nested pattern digitizing commands</li> <li>✓ Describe the usage of grading points command on digitizer</li> <li>✓ Demonstrate and identify the functions of cursor</li> </ul>              |  |  |
| <p>M7-LU5: Keep the digitizer cursor in prescribed Place after closing the work</p>       |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain the proper place for the cursor of digitizer</li> <li>✓ Describe the way of using the cursor of a digitizer</li> <li>✓ Demonstrate and identify the role of cursor during digitizing</li> </ul> |  |  |

**Module 8 Title: Create and maintain Data Storage**

**Objective of the Module:** To get understanding about the creation and maintenance of data storage

**Duration:** 2 hours

**Theory:** 0.5hours

**Practice:** 1.5 hours

| Learning Unit                                    | Theory Days/hours | Workplace Days/hours | Recommended Formative Assessment   | Recommended Methodology  | Scheduled Dates      |
|--|-------------------|----------------------|--|--|----------------------|
| M8-LU1:Create data storage areas in the explorer | 0.5               | 1.5                  | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the creation of data storage in the Gerber explorer</li> <li>✓ Describe the different ways of using the Gerber explorer</li> <li>✓ Demonstrate the pattern working through the storage areas</li> </ul>                                  | <ul style="list-style-type: none"> <li>✓ Oral</li> <li>✓ Practical/ Demonstration</li> <li>✓ MCQs</li> <li>Written test</li> </ul> | At the end of module |
| M8-LU2:Store data from digitizer                 |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the storage of date from digitizer to Gerber explorer</li> <li>✓ Describe the usage of date from digitizer in the Pattern Design System(PDS)</li> <li>✓ Demonstrate and identify the modifications of data in edit digitizing</li> </ul> |  |                      |
| M8-LU3:Store data from converted files           |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the different types of converters available in the Launch Pad of Gerber Technology</li> <li>✓ Describe the usage of converted date</li> </ul>  |  |                      |

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|  |  |  | through different converters<br>✓ Demonstrate and identify the conversion of different files |  |  |
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**Module 9 Title: Knowledge of Pattern Design system (PDS) and System Management**

**Objective of the Module:** To get understanding about the computerized pattern making

**Duration:** 2hours

**Theory:** 0.5 hours

**Practice:** 1.5 hours

| Learning Unit  | Theory Days/hours | Workplace Days/hours | Recommended Formative Assessment  | Recommended Methodology  | Scheduled Dates      |
|--|-------------------|----------------------|---|--|----------------------|
| M9-LU1: Evaluate tech pack                             | 0.5               | 1.5                  | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the evaluation of technical pack of a customer</li> <li>✓ Describe the contents of a technical pack for different organizations</li> <li>✓ Demonstrate and identify the role of technical pack for cad cam</li> </ul> | <ul style="list-style-type: none"> <li>✓ Oral</li> <li>✓ Practical/ Demonstration</li> <li>✓ MCQs</li> <li>Written test</li> </ul> | At the end of module |
| M9-LU2: Confirm base size                              |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain about the base size of a pattern in men's wear etc</li> <li>✓ Describe the base size for different regions and gender</li> <li>✓ Demonstrate and identify importance of base size</li> </ul>                          |  |                      |
| M9-LU3: Make pattern using Pattern Designing Software. |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the PDS (pattern design system)</li> <li>✓ Describe the working style of Pattern Design System</li> </ul>   |  |                      |

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|                                  |  |  | <ul style="list-style-type: none"> <li>✓ Demonstrate and identify the role of Pattern Design System in the Gerber Software</li> </ul>   |  |  |
| M9-LU4: Make / Create rule table |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain about the rule table application in Gerber software</li> <li>✓ Describe the usage of rules table</li> <li>✓ Demonstrate and identify the purpose of rule table</li> </ul>                    |  |  |
| M9-LU5: Apply Rule Table         |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain about the implementation of rule table</li> <li>✓ Describe the way of applying rule table</li> <li>✓ Demonstrate and identify the role of rule table in the Pattern Design System</li> </ul> |  |  |
| M9-LU6: Make Model               |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain about the making of model in Gerber software</li> <li>✓ Describe the usage and importance of a model</li> <li>✓ Demonstrate and identify the purpose of model</li> </ul>                     |  |  |
| M9-LU7: Grade                    |  |  | <p>Trainee will</p>   |  |  |

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| Pattern  |  |  | <ul style="list-style-type: none"> <li>✓ Explain the grading software of Gerber technology and grading of a pattern</li> <li>✓ Describe the usage and importance of pattern grading</li> <li>✓ Demonstrate and identify link of rule table with pattern grading</li> </ul> |  |  |
| M9-LU8: Amend the pattern according to the fitting and shrinkage |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain about the amendments of pattern</li> <li>✓ Describe the purpose of amendments</li> <li>✓ Demonstrate and identify the role of shrinkage</li> </ul>  |  |  |

**Module 10 Title: Calculate Fabric Consumption**

**Objective of the Module:** To get understanding about the calculation of fabric consumption

**Duration:** 2 hours

**Theory:** 0.5 hours

**Practice:** 1.5 hours

| Learning Unit                                      | Theory Days/hours | Workplace Days/hours | Recommended Formative Assessment   | Recommended Methodology  | Scheduled Dates      |
|--|-------------------|----------------------|--|--|----------------------|
| M10-LU1: Analyze and evaluate information          | 0.5               | 1.5                  | Trainee will <ul style="list-style-type: none"> <li>✓ Explain about the evaluation of information collected from different sources (merchant, cutting, fabric procurement etc)</li> <li>✓ Describe the way of analyzing the information of different departments etc</li> <li>✓ Demonstrate and identify the role of correct information for calculating fabric consumption</li> </ul> | <ul style="list-style-type: none"> <li>✓ Oral</li> <li>✓ Practical/ Demonstration</li> <li>✓ MCQs</li> <li>Written test</li> </ul> | At the end of module |
| M10-LU2: Check fabric shrinkage and cut able width |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the way of checking shrinkage of fabric provided by cutting department</li> <li>✓ Describe the purpose of fabric shrinkage</li> <li>✓ Demonstrate and identify the cut able width of fabric</li> </ul>   |  |                      |
| M10-LU3: Check final size chart and garment        |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain about the functions of size chart during the consumption process</li> </ul>  |  |                      |



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|  |  |  | <ul style="list-style-type: none"> <li>✓ Describe the usage of size chart for grading the pattern</li> <li>✓ Demonstrate and identify the checking of garment and size chart</li> </ul>  |  |  |
| M10-LU4: Finalize pattern as per information       |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain the finalization of pattern for consumption</li> <li>✓ Describe the usage of pattern for consumption</li> <li>✓ Demonstrate and identify the source of finalizing the information</li> </ul>  |  |  |
| M10-LU5: Add fabric shrinkage in the pattern       |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain the way of adding shrinkage in the pattern</li> <li>✓ Describe types of adding shrinkage in the pattern</li> <li>✓ Demonstrate and identify effects of shrinkage on the pattern</li> </ul>    |  |  |
| M10-LU6: Withdraw the consumption based on marker. |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain the mathematical formula for consumption</li> <li>✓ Describe the purpose of calculating consumption</li> <li>✓ Demonstrate and identify the marker efficiency rate for consumption</li> </ul> |  |  |

**Module 11 Title: Make Marker**

**Objective of the Module:** To get understanding about the marker making

**Duration: 2 hours**

**Theory: 0.5 hours**

**Practice: 1.5 hours**

| Learning Unit                                       | Theory Days/hours | Workplace Days/hours | Recommended Formative Assessment   | Recommended Methodology  | Scheduled Dates      |
|---|-------------------|----------------------|--|--|----------------------|
| M11-LU1: Make size detail                           | 0.5               | 1.5                  | Trainee will <ul style="list-style-type: none"> <li>✓ Explain ,what is size detail</li> <li>✓ Describe the usage of size detail</li> <li>✓ Demonstrate and identify the role of size detail for making the marker</li> </ul> | <ul style="list-style-type: none"> <li>✓ Oral</li> <li>✓ Practical/ Demonstration</li> <li>✓ MCQs</li> <li>Written test</li> </ul> | At the end of module |
| M12-LU2: Write marker name                          |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain about the marker name</li> <li>✓ Describe usage of marker name</li> <li>✓ Demonstrate and indentify the role of marker name</li> </ul>                         |  |                      |
| M11-LU3: Write order name                           |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain about the order name</li> <li>✓ Describe usage of order name</li> <li>✓ Demonstrate and indentify the role of order name</li> </ul>                            |  |                      |
| M11-LU4: Write order description and annotation and |                   |                      | Trainee will   |  |                      |

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| write lay limits                              |  |  | <ul style="list-style-type: none"> <li>✓ Explain about the order description</li> <li>✓ Describe the usage of annotation</li> <li>✓ Demonstrate and identify the purpose of lay limits etc</li> </ul>  |  |  |
| M11-LU5: Write fabric width                   |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain about the fabric width column</li> <li>✓ Describe the role of fabric width in marker making</li> <li>✓ Demonstrate the checking of fabric width</li> </ul> <p>In the cutting department</p> |  |  |
| M11-LU6: Set the target of fabric utilization |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain about the target utilization</li> <li>✓ Describe the usage of target utilization</li> <li>✓ Demonstrate and identify the role of target utilization in the marker making</li> </ul>         |  |  |
| M11-LU7: Add shrinkage                        |  |  | <ul style="list-style-type: none"> <li>✓ Explain about the shrinkage column in the marker making</li> <li>✓ Describe the usage of shrinkage in marker making</li> <li>✓ Demonstrate and identify the role of shrinkage in the marker making</li> </ul>           |  |  |
| M11-LU8: Select                               |  |  |  |  |  |

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| proper model                             |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain about the selection of model</li> <li>✓ Describe the advantages and disadvantages of selecting the right model</li> <li>✓ Demonstrate and identify proper way of selecting the right model</li> </ul>                  |  |  |
| M11-LU9: Write the fabric type           |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain about the fabric type</li> <li>✓ Describe the usage of fabric type</li> <li>✓ Demonstrate and identify the purpose of fabric type</li> </ul>   |  |  |
| M11-LU10: Write the size range           |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain about the sizes of marker</li> <li>✓ Describe purpose of sizes using in the marker</li> <li>✓ Demonstrate and link of size range used in the marker</li> </ul>   |  |  |
| M11-LU11: Check the parts of the garment |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain about the checking of parts of the garment during making the marker</li> <li>✓ Describe the checking process of parts of the garment</li> <li>✓ Demonstrate and identify the importance of checking process</li> </ul> |  |  |

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| M11-LU12: Make marker according to target length. |  |  | Trainee will <ul style="list-style-type: none"><li>✓ Explain about the different type of target oriented marker making commands</li><li>✓ Describe the usage of commands</li><li>✓ Demonstrate and identify the achievement of target length</li></ul> |  |  |
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**Module 12 Title: Maintain the Record**

**Objective of the Module:** To get understanding about the maintenance of records

**Duration: 2 hours**

**Theory: 0.5 hours**

**Practice: 1.5 hours**

| Learning Unit   | Theory Days/hours | Workplace Days/hours | Recommended Formative Assessment  | Recommended Methodology  | Scheduled Dates      |
|---|-------------------|----------------------|---|--|----------------------|
| M12-LU1: Maintain record of paper patterns provided by the customer | 0.5               | 1.5                  | Trainee will <ul style="list-style-type: none"> <li>✓ Explain about the paper pattern provided by the customer</li> <li>✓ Describe the usage of paper pattern provided by the customer</li> <li>✓ Demonstrate and identify the importance of customer provided paper pattern</li> </ul> | <ul style="list-style-type: none"> <li>✓ Oral</li> <li>✓ Practical/ Demonstration</li> <li>✓ MCQs</li> <li>Written test</li> </ul> | At the end of module |
| M12-LU2: Maintain record of files related to measurements results   |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the system about the maintenance of record</li> <li>✓ Describe the advantages and disadvantages of an organized system</li> <li>✓ Demonstrate and identify the importance of measurements results files</li> </ul>        |  |                      |
| M12-LU3: Maintain record of files related to marker making          |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the system about the</li> </ul>   |  |                      |

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|   |  |  | <p style="text-align: center;">maintenance of record</p> <ul style="list-style-type: none"> <li>✓ Describe the advantages and disadvantages of an organized system</li> <li>✓ Demonstrate and identify the importance of marker making record</li> </ul>   |  |  |
| <p>M12-LU4: Maintain the files related to maintenance of Gerber devices</p> |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain the system about the maintenance of record</li> <li>✓ Describe the advantages and disadvantages of an organized system</li> <li>✓ Demonstrate and identify the purpose of maintaining the record related to Gerber devices</li> </ul> |  |  |

**Module 13 Title: Communicate with Co-workers**

**Objective of the Module:** To get understanding about the communication with co-worker

**Duration: 2 hours**

**Theory: 0.5 hours**

**Practice: 1.5 hours**

| Learning Unit                                  | Theory Days/hours | Workplace Days/hours | Recommended Formative Assessment  | Recommended Methodology  | Scheduled Dates      |
|--|-------------------|----------------------|---|--|----------------------|
| M13-LU1:<br>Communicate within department      | 0.5               | 1.5                  | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the communication within department</li> <li>✓ Describe the purpose of communication</li> <li>✓ Demonstrate and identify the benefits of departmental communication</li> </ul>                | <ul style="list-style-type: none"> <li>✓ Oral</li> <li>✓ Practical/ Demonstration</li> <li>✓ MCQs</li> <li>Written test</li> </ul> | At the end of module |
| M13-LU2:<br>Communicate with other departments |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the communication with other departments</li> <li>✓ Describe the purpose of communication</li> <li>✓ Demonstrate and identify the benefits of communication with other departments</li> </ul> |  |                      |
| M13-LU3:<br>Communicate with the buyers        |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the communication with the buyer</li> <li>✓ Describe the purpose of communication</li> </ul>  |  |                      |



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|  |  |  | <ul style="list-style-type: none"> <li>✓ Demonstrate and identify the benefits of communication with the buyer</li> </ul>  |  |  |
| M13-LU4:<br>Communicate with the buying offices  |  |  | <ul style="list-style-type: none"> <li>✓ Explain the communication with the buying offices</li> <li>✓ Describe the purpose of communication</li> <li>✓ Demonstrate and identify the benefits of communication with the buying offices</li> </ul>                       |  |  |
| M13-LU5:<br>Communicate with other organizations |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain the communication with other organizations</li> <li>✓ Describe the purpose of communication</li> <li>✓ Demonstrate and identify the benefits of communication with other organizations</li> </ul> |  |  |
| M13-LU6: Adopt different ways of communication   |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain different types of communication</li> <li>✓ Describe the usage of different communication modes etc</li> <li>✓ Demonstrate and identify benefits of different communication modes</li> </ul>      |  |  |

**Module 14 Title: Health and Safety**

**Objective of the Module:** To get understanding about the Health and Safety

**Duration: 2 hours**

**Theory: 0.5 hours**

**Practice: 1.5 hours**

| Learning Unit  | Theory Days/hours | Workplace Days/hours | Recommended Formative Assessment  | Recommended Methodology  | Scheduled Dates      |
|--|-------------------|----------------------|---|--|----------------------|
| M14-LU1: Plug the cable properly                               | 0.5               | 1.5                  | Trainee will <ul style="list-style-type: none"> <li>✓ Explain to plug the cable properly</li> <li>✓ Describe benefits of plugging the cables properly</li> <li>✓ Demonstrate and identify the purpose of plugging the cables properly</li> </ul>  | <ul style="list-style-type: none"> <li>✓ Oral</li> <li>✓ Practical/ Demonstration</li> <li>✓ MCQs</li> <li>Written test</li> </ul> | At the end of module |
| M14-LU2: Install the electric devices at reasonable distances. |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the installation of electric devices</li> <li>✓ Describe the benefits of installing the electric devices at reasonable distance</li> <li>✓ Demonstrate and identify the purpose of installing the devices at reasonable distance</li> </ul> |  |                      |
| M14-LU3: cover the cables properly.                            |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the coverage of electric cables</li> </ul>  |  |                      |

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|  |  |  | <ul style="list-style-type: none"> <li>✓ Describe benefits of covering the cables properly</li> <li>✓ Demonstrate and identify the purpose of covering the cables properly</li> </ul>  |  |  |
| M14-LU4: Install the fire alarm properly             |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain about the installation of fire alarm</li> <li>✓ Describe the benefits of fire alarm</li> <li>✓ Demonstrate and identify the purpose of fire alarm</li> </ul>                  |  |  |
| M14-LU5: Cover plotter knife properly.               |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain about the coverage of plotter knife</li> <li>✓ Describe the benefit of covering the plotter knife</li> <li>✓ Demonstrate and identify the purpose of plotter knife</li> </ul> |  |  |
| M14-LU6: Deal with hazardous or emergency situations |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain how to deal with hazardous</li> <li>✓ Describe the different types of hazardous</li> <li>✓ Demonstrate and identify the requirements of emergency situations</li> </ul>       |  |  |
| M14-LU7: Install                                     |  |  | <p>Trainee will</p>  |  |  |

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| screen protectors for display                                    |  |  | <ul style="list-style-type: none"> <li>✓ Explain about the screen protectors</li> <li>✓ Describe benefits of screen protectors</li> <li>✓ Demonstrate and identify the purpose of screen protectors</li> </ul>   |  |  |
| M14-LU8: Insect killer must be sprayed                           |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain about the insect killers</li> <li>✓ Describe the benefits of insect killers</li> <li>✓ Demonstrate and identify the purpose of insect killers</li> </ul>  |  |  |
| M14-LU9: Perform first aid procedure                             |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain about the first aid procedures to secure and protect the health of labor</li> <li>✓ Describe the benefits of first aid facility during the duty</li> <li>✓ Demonstrate and identify the purpose of first aid facility</li> </ul>              |  |  |
| M14-LU10: Observe health, safety and security related procedures |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain how to observe the health, safety and security related procedures</li> <li>✓ Describe the benefits of health, safety and security related procedures</li> <li>✓ Demonstrate and identify the steps to take care health, safety and</li> </ul> |  |  |

|   |  |  | security related procedures   |  |  |
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| M14-LU11: Follow workplace health safety and security requirements  |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain how to follow the work place health, safety and security requirements</li> <li>✓ Describe the different type of health, safety and security requirements</li> <li>✓ Demonstrate and identify the benefits of health, safety and security requirements</li> </ul> |  |  |
| M14-LU12: Follow the planning , organizing and safe work techniques |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain how to follow the safe work techniques</li> <li>✓ Describe the different type of safe techniques</li> <li>✓ Demonstrate and identify the benefits of safe techniques</li> </ul>  |  |  |

**Module 15 Title: Develop Professionalism**

**Objective of the Module:** To get understanding about the professionalism

**Duration: 2 hours**

**Theory: 0.5 hours**

**Practice: 1.5 hours**

| Learning Unit                     | Theory Days/hours | Workplace Days/hours | Recommended Formative Assessment   | Recommended Methodology  | Scheduled Dates      |
|-----------------------------------|-------------------|----------------------|--|--|----------------------|
| M15-LU1: Participate in Training  | 0.5               | 1.5                  | Trainee will <ul style="list-style-type: none"> <li>✓ Explain about the participation in training for the development of professionalism</li> <li>✓ Describe the individual and collective benefits</li> <li>✓ Demonstrate and identify the role of participation in the prosperity of organization</li> </ul> | <ul style="list-style-type: none"> <li>✓ Oral</li> <li>✓ Practical/ Demonstration</li> <li>✓ MCQs</li> <li>Written test</li> </ul> | At the end of module |
| M15-LU2: Interact with colleagues |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the types of interaction with the colleagues</li> <li>✓ Describe the usage of inaction for the benefits of organization</li> <li>✓ Demonstrate and identify the role of interaction for the benefits of organization</li> </ul>                  |  |                      |
| M15-LU3: Consult with experts     |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain consultation with the experts to develop the professional expertise</li> <li>✓ Describe the positive usage of</li> </ul>   |  |                      |

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|   |  |  | meetings<br><ul style="list-style-type: none"> <li>✓ Demonstrate and identify the benefits of meetings for the organization</li> </ul>  |  |  |
| M15-<br>LU4:Participate in<br>skill test/<br>competitions |  |  | Trainee will<br><ul style="list-style-type: none"> <li>✓ Explain about the participation in skill tests or completion</li> <li>✓ Describe the individual and collective benefits</li> <li>✓ Demonstrate and identify the role of participation in the prosperity of organization</li> </ul> |  |  |

**Module 16 Title: Manage Time**

**Objective of the Module:** To get understanding about the management of time

**Duration: 2 hours**

**Theory: 0.5 hours**

**Practice: 1.5 hours**

| Learning Unit  | Theory Days/hours | Workplace Days/hours | Recommended Formative Assessment   | Recommended Methodology  | Scheduled Dates      |
|--|-------------------|----------------------|--|--|----------------------|
| M16-LU1:Manage time to complete the assigned work      | 0.5               | 1.5                  | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the management of time in connection with assignments</li> <li>✓ Describe the way of using time for assigned work</li> <li>✓ Demonstrate and identify the role and importance of time for the assignments</li> </ul> | <ul style="list-style-type: none"> <li>✓ Oral</li> <li>✓ Practical/ Demonstration</li> <li>✓ MCQs</li> <li>Written test</li> </ul> | At the end of module |
| M16-LU2:Manage work load as required by the management |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain work load and its management with in limited time</li> <li>✓ Describe to analyze and share the work load of the department</li> <li>✓ Demonstrate and identify the disadvantages of continues work load</li> </ul>   |  |                      |
| M16-LU3:Prioritize tasks                               |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain about the priority of task according to customer requirements</li> </ul>   |  |                      |



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|                                      |  |  | <ul style="list-style-type: none"> <li>✓ Describe to analyze the priorities of task keeping in view the department capacity and requirement</li> <li>✓ Demonstrate and identify the importance of priorities</li> </ul>   |  |  |
| M16-LU4:Meet the specified deadlines |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain the deadlines and its management within the given time</li> <li>✓ Describe the steps to meet the deadlines</li> <li>✓ Demonstrate and identify the benefits of meeting the deadlines</li> </ul>  |  |  |
| M16-LU5:Handle the co-workers        |  |  | <ul style="list-style-type: none"> <li>✓ Explain the handling of co-workers to co-ordinate with them and to ensure. to get them ready in any kind of emergency</li> <li>✓ Describe the way of getting the output from the co-workers keeping in view the quality standards and customer requirements</li> <li>✓ Demonstrate and identify the importance of co-workers for the department</li> </ul> |  |  |

**Module 17 Title: Upgrade Skills**

**Objective of the Module:** To get understanding to upgrade the skills

**Duration: 2 hours**

**Theory: 0.5 hours**

**Practice: 1.5 hours**

| Learning Unit                             | Theory Days/hours | Workplace Days/hours | Recommended Formative Assessment  | Recommended Methodology  | Scheduled Dates      |
|---|-------------------|----------------------|---|--|----------------------|
| M17-LU1: Read relevant articles           | 0.5               | 1.5                  | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the reading of relevant articles For upgrading the skills</li> <li>✓ Describe the effects of reading the articles to upgrade the skills</li> <li>✓ Demonstrate and identify the role of these activities on the career</li> </ul> | <ul style="list-style-type: none"> <li>✓ Oral</li> <li>✓ Practical/ Demonstration</li> <li>✓ MCQs</li> <li>Written test</li> </ul> | At the end of module |
| M17-LU2: Attend Seminars                  |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the importance of seminars</li> <li>✓ Describe the usage of seminars</li> <li>✓ Demonstrate and identify the management of seminars</li> </ul>  |  |                      |
| M17-LU3: Get training through institution |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain about the training of institutions</li> <li>✓ Describe the effects of training</li> <li>✓ Demonstrate and identify the</li> </ul>   |  |                      |

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|  |  |  | importance of training in the career  |  |  |
| M17-LU4:<br>Communicate with technician and pattern advisor. |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain the type communication with technical experts</li> <li>✓ Describe the benefits of communication</li> <li>✓ Demonstrate and identify the effect of communication on the career</li> </ul>                         |  |  |
| M17-LU5: Attend exhibitions.                                 |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain the importance of exhibitions</li> <li>✓ Describe the usage of exhibitions</li> <li>✓ Demonstrate and identify the management of exhibitions</li> </ul>  |  |  |
| M17-LU6: Explore Internet.                                   |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain the search of related material on the internet</li> <li>✓ Describe the way of using the internet for upgrading the skills</li> <li>✓ Demonstrate and identify the role of internet for related topics</li> </ul> |  |  |
| M17-LU7: Study different markets.                            |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain about to visits of markets to search about the updates regarding the new versions of software and hardware</li> </ul>  |  |  |

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|  |  |  | <ul style="list-style-type: none"><li>✓ Describe the benefits of searching the markets</li><li>✓ Demonstrate and identify the role of market research</li></ul> |  |  |
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**Module 18 Title: Work In a Team**

**Objective of the Module:** To get understanding about to work in a team

**Duration: 2 hours**

**Theory: 0.5 hours**

**Practice: 1.5 hours**

| Learning Unit   | Theory Days/hours | Workplace Days/hours | Recommended Formative Assessment  | Recommended Methodology  | Scheduled Dates      |
|---|-------------------|----------------------|---|--|----------------------|
| M18-LU1: Communicate with merchant                        | 0.5               | 1.5                  | Trainee will <ul style="list-style-type: none"> <li>✓ Explain the type of communication with the merchant like the functions of telephone-mail or fax etc</li> <li>✓ Describe the technical aspects of the discussion like discussion of comments given by the customer or different aspects of size chart provided by the customer</li> <li>✓ Demonstrate and identify the role of communication with the merchant for the benefits of organization</li> </ul> | <ul style="list-style-type: none"> <li>✓ Oral</li> <li>✓ Practical/ Demonstration</li> <li>✓ MCQs</li> <li>Written test</li> </ul> | At the end of module |
| M18-LU2: Resolve contradictions in available information. |                   |                      | Trainee will <ul style="list-style-type: none"> <li>✓ Explain to resolve the contradiction in the available information</li> <li>✓ Describe the steps to resolve the contradiction in the available information</li> <li>✓ Demonstrate and identify the disadvantages of contradiction during the running process of production</li> </ul>  |  |                      |
| M18-LU3:Attend  |                   |                      | Trainee will  |  |                      |

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| department meetings   |  |  | <ul style="list-style-type: none"> <li>✓ Explain about the different topics of departmental meetings</li> <li>✓ Describe the usage of meeting minutes</li> <li>✓ Demonstrate and identify the role and importance of meeting in the progress of organization</li> </ul> |  |  |
| M18-LU4: Cross check customer comments with counter sample. |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain about the customer comments</li> <li>✓ Describe the implementation of customer comments</li> <li>✓ Demonstrate the cross checking with the garment</li> </ul>                                      |  |  |
| M18-LU5: Keep record of data either in soft or hard form.   |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain the types of data storage</li> <li>✓ Describe the usage of data which is store in either form</li> <li>✓ Demonstrate and identify the importance of data</li> </ul>                                |  |  |
| M18-LU6: Manage data in lead time.                          |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain about the lead-time</li> <li>✓ Describe the usage of lead-time</li> <li>✓ Demonstrate and identify the purpose of lead-time</li> </ul>   |  |  |

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| M18-LU7: Maintain quality standard and customer satisfaction.     |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain about the quality standards to produce excellent quality products</li> <li>✓ Describe the implementation of different quality standards at different stages of production</li> <li>✓ Demonstrate and identify the advantages of different quality standards at their related production stages</li> </ul> |  |  |
| M18-LU8: Set targets for the team.                                |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain about team working</li> <li>✓ Describe the requirements of working together</li> <li>✓ Demonstrate and identify the steps to achieve the goals of team</li> </ul>   |  |  |
| M18-LU9: Perform duties and responsibilities in a positive manner |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain the passion of positive thinking during the duty</li> <li>✓ Describe the benefits of positive thinking for the company</li> <li>✓ Demonstrate and identify the effects of positive thinking on the career</li> </ul>  |  |  |
| M18-LU10: Seek assistance from co-workers when difficulties arise |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain about the difficulties during duty</li> </ul>   |  |  |

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|   |  |  | <ul style="list-style-type: none"> <li>✓ Describe the solutions of difficulties arise during the duty</li> <li>✓ Demonstrate and identify co-operation with co-workers</li> </ul>   |  |  |
| M18-LU11: Provide support to achieve organizational goals |  |  | <p>Trainee will</p> <ul style="list-style-type: none"> <li>✓ Explain about the organizational goals</li> <li>✓ Describe the sources of support to achieve the organizational goals</li> <li>✓ Demonstrate and identify the mental level of person to support in achieving the organizational goals</li> </ul> |  |  |



# List of Machinery/Equipment/Tools

(For a Class of 25 Students)

|                           |                 |
|---------------------------|-----------------|
| <b>NAME OF TRADE</b>      | <b>CAD/CAM</b>  |
| <b>Duration of Course</b> | <b>6 Months</b> |

| <b>Sr.#</b> | <b>Nomenclature of Equipment/Tools</b> | <b>Quantity</b> |
|-------------|--|-----------------|
| 1           | Systems (computer set)                 | 25              |
| 2           | Plotters                               | 01              |
| 3           | Digitizers                             | 02              |
| 4           | Scales                                 | 25              |
| 5           | Inches tapes                           | 25              |
| 6           | scissors                               | 12              |
| 7           | Cutting tables                         | 06              |
| 8           | Set squares                            | 12              |

|    |                    |    |
|----|--------------------|----|
| 9  | French curve       | 12 |
| 10 | Stapler            | 01 |
| 11 | First aid box      | 01 |
| 12 | Fire extinguishers | 01 |

## List of Consumable Materials

(For a Class of 25 Students)

| <b>Sr.#</b> | <b>Name of Material/Items</b> | <b>Quantity/Student</b> | <b>For 25 students</b> |
|-------------|-------------------------------|-------------------------|------------------------|
| 1           | Pattern sheets                | 25                      | 625                    |
| 2           | Led pencils                   | 02                      | 50                     |
| 3           | Erasers                       | 02                      | 50                     |
| 4           | Paper roll (plotter paper)    |                         | 05                     |
| 5           | Staple pins                   | 01 box                  | 25 boxes               |
| 6           | Ebro tape                     | 01                      | 25                     |
| 7           | Plotter pen/catarage          |                         | 15                     |

# Reference Material

- Course Manual For Data and system management
- Course Manual For Maker Making
- Colleagues
- Internet
- Helping Notes Of Gerber Software
- Pattern and Grading Books
- Technical Experts

## Contributions for Development of This Curriculum

### DACUM Working Group

|   |   |
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### Curriculum Developer

|  |  |
|--|--|
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|--|--|

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**DACUM Facilitator**

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