

# **MOUNT CARMEL COLLEGE AUTONOMOUS BANGALORE**

## **CERTIFICATE COURSE IN GARMENT CONSTRUCTION AND SURFACE ORNAMENTATION 2025-2026**

### **SYLLABUS**

**Duration – 200 hrs – Six Months  
Semester I**

#### **Learning Objectives:**

- Understand Textile Fundamentals
- Develop Hand Sewing Skills
- Acquire Garment Construction Proficiency

#### **Unit-1 (40 hours)**

##### **Textile Studies**

Introduction to Textiles, Classification of fibers, Yarns and fabrics. Fibres properties, tests and end uses, Yarn manufacturing, types of yarns and yarn tests. Weaving process, Types of weaves, properties, fabric testing, loom types, knitting, knitting needle types and machine classifications. Non-woven fabrics, Types, processes, and finishing techniques.

#### **Unit-2 (40 hours)**

##### **Hand Sewing**

Hemming, fasteners, alterations, plackets, fullness and darts, trims and decorations,

#### **Unit-3 (50 hours)**

##### **Basics of Pattern Making**

Body Measurements, Basics of pattern making, Methods of Pattern making, Pattern grading and pattern alteration, Preparation of fabric for transferring and cutting, pattern layout.

#### **Unit-4 (70 hours)**

##### **Garment Construction**

Sewing Machine- Parts and functions, common problems and remedies, Seams and seam finishes, Neck finishes, saree fall stitching and Pico.

Sewing of Garments – Kameez and salwar, Saree blouse and saree petticoat.

## **Semester II**

### **Duration 200 Hours**

#### **Learning Objectives:**

- Master Textile Dyeing and Printing Techniques
- Develop Surface Ornamentation Skills
- Acquire Draping and Garment Construction Proficiency

#### **Unit-1**

**(50 hours)**

#### **Textile Dyeing and Printing**

Preparatory process, Dyes - Dyeing techniques, Natural dyeing and mordanting, Printing, Hand printing- Stencil Printing, Block Printing, Batik Printing, Tie and Dye, Machine Printing.

#### **Unit-2**

**(50 hours)**

#### **Surface Ornamentation**

Tools for surface Enrichment, basic stitched in Hand Embroidery, traditional embroideries of India, Patch work, applique, quilting and shadow work. Basic Knitting and Crochet. Project – 1 Embroidery Product, 1 Crochet/ Knitted Product.

#### **Unit- 3**

**(50 hours)**

#### **Draping**

Draping – Definition, Need, Advantages and Disadvantages. Principles and Tools, Equipment used for Draping, Mannequin Types, Preparation of Dress form for draping, Basics of Draping – Importance of grain, preparation of Muslin Material: straightening, tearing, and pressing. draping styles – Methods

Project – 1 Upper Garment Draping and 1 Lower Garment Draping.

#### **Unit- 3**

**(50 hours)**

#### **Garment Construction**

Sewing – Types of sleeve, collars, pockets.

Garments - skirt and top for girls, shorts and shirt for boys, A line Frock, Gown.

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**Semester II**

**Duration 200 Hours**

**Unit-1 (50 hours)**

**Textile Dyeing and Printing**

**Unit-2 (50 hours)**

**Surface Ornamentation**

**Unit- 3 (50 hours)**

**Draping**

**Unit- 3 (50 hours)**

**Garment Construction**