

## DIPLOMA IN APPAREL DESIGNING

### PREAMBLE:

This course enables the students to appreciate the concepts of design. It creates new avenues in higher studies as well as in future career options.

**Eligibility:** Female candidates who have completed standard XII

**Duration of the course:** Two semesters

### COURSE PROFILE

From 2024 batch onwards

	Course code	Course Title	Course Type	Hrs./Wk.		Passed in Academic Council	Offered to	Offered by	
				TH	LA				
I	DAD1021	ACCESSORIES MAKING	LA		5			SUFDS	
	DAD1022	FASHION ILLUSTRATION	LT	2	3			SUFDS	
	DAD1023	FASHION SURFACE ORNAMENTATION	LA		5			SUFDS	
	DAD1024	BASICS IN SEWING PROCESS	LA		5			SUFDS	
		Total			20				
	II	DAD2021	COMPUTER AIDED DESIGN	LA		4			SUFDS
DAD2022		GARMENT CONSTRUCTION	LA		5			SUFDS	
DAD2023		FABRIC SCIENCE	TH	5				SUFDS	
DAD2024		PORTFOLIO PRESENTATION	LA		6			SUFDS	
DAD2025		INTERNSHIP						SUFDS	
		Total			20				

### INTERNSHIP

Sem .	Course Code	Course title	Hours	Place	Period
II	DAD2025	INTERNSHIP	180	Company Validated by the Department	At the end of the second semester

### DAD1021 ACCESSORIES MAKING

(LAB)

<b>Class:</b> Diploma in Apparel Designing		<b>Semester:</b> I	<b>Hours per week:</b> 5 hrs.	<b>Total Hrs.</b> 60
<b>COs</b>	<b>COURSE OUTCOMES</b>		<b>COGNITIVE LEVEL</b>	
On successful completion of the course, the student will be able to				
CO1	relate various types of fabric jewellery		K1 Remember	
CO2	interpret the procedure of making silk thread jewellery		K2 Understand	
CO3	illustrate the material for artificial jewellery		K2 Understand	
CO4	make use of natural materials in jewellery		K3 Apply	
CO5	identify the designs for terracotta jewellery		K3 Apply	

### COURSE CONTENT:

#### UNIT I: FABRIC JEWELLERY 12 hrs.

Raw materials – different types of fabrics – products – chain – earrings – pendant.

#### UNIT II: SILK THREAD JEWELLERY 12 hrs.

Raw materials – silk thread – products – bangles – necklace – earring.

#### UNIT III: ARTIFICIAL JEWELLERY 12 hrs.

Products – neck chain – bangles – hip chain – anklets.

#### UNIT IV: ECO FRIENDLY JEWELLERY 12 hrs.

Eco friendly raw materials – products – earrings – long chain – pendant.

#### UNIT V: TERACOTTA JEWELLERY 12 hrs.

Raw materials – natural clay – products – necklace – long chain – bracelet – earrings.

### REFERENCE BOOK(S):

Richards Alison, (1976). *Handmade Jewellery Techniques and Designs*, Great Britain: Phaidon Printers Limited. Print.

### WEBSITE(S):

[https://www.youtube.com/watch?v=ZX\\_32HFSd8](https://www.youtube.com/watch?v=ZX_32HFSd8)

<https://www.youtube.com/watch?v=WPsnXoc9j14>

<https://www.youtube.com/watch?v=jm3Oyg-23wY>

## DAD1022 FASHION ILLUSTRATION

### (LAB CUM THEORY)

<b>Class:</b> Diploma in Apparel Designing		<b>Semester:</b> I	<b>Hours per week:</b> 2T + 3L hrs.	<b>Total Hrs.</b> 60
<b>COs</b>	<b>COURSE OUTCOMES</b>		<b>COGNITIVE LEVEL</b>	
On successful completion of the course, the student will be able to				
CO1	relate elements of design in garments		K1 Remember	
CO2	illustrate the principles of design in garments		K2 Understand	
CO3	differentiate the types of figures based on their irregularities		K2 Understand	
CO4	explain the colour theories in dress design		K2 Understand	

CO5	interpret the fashion trends	K3 Apply
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**COURSE CONTENT:**

**UNIT I: FIGURES**

**4T +8L hrs.**

Introduction – proportion of the figure – usual figure – unusual figure – stick – block – fleshy – Application of step to draw a figure – stick figure front and back view (8 head and 10 head) – block figure front and back view (8 head and 10 head) – flesh figure front and back view (8 head and 10 head).

**LAB EXERCISES:**

Steps to draw a figure

- Stick figure front and back view (8 head and 10 head)
- Block figure front and back view (8head and 10 head)
- Flesh figure front and back view (8head and 10 head)

**UNIT II: ELEMENTS OF DESIGN**

**4T +8L hrs.**

Introduction to design – elements of design – line – types – shape or form – colour – size – texture.

**LAB EXERCISES:**

Application of Elements of Design in a garment

- Line
- Shape
- Colour
- Size
- Texture

**UNIT III: PRINCIPLES OF DESIGN**

**4T +8L hrs.**

Principles of design – balance – formal and informal – rhythm and its types – emphasis and its types – harmony – proportion.

**LAB EXERCISES:**

Application of Principles of Design in a garment

- Balance
- Harmony
- Emphasis
- Proportion
- Rhythm

**UNIT IV: COLOUR ASPECTS**

**4T +8L hrs.**

Colour theory – prang colour system – primary – secondary – tertiary colours – munsell colour system – dimensions of colour – hue – value – intensity – standard colour harmonies – harmony of related colour – harmony of contrasting colour.

**LAB EXERCISES:**

- Prang colour chart
- Value chart – intensity chart
- Standard colour harmonies – related colour harmony – monochromatic – analogous

- Contrasting colour harmony – complementary – double complementary – split complementary – triad complementary
- Neutral colour harmony

**UNIT V: FASHION CONCEPTS**

**4T +8L hrs.**

Fashion and season – fashion cycle – adoption of fashion – trickle up – trickle down – trickle across fashion diffusion – fashion forecast.

**LAB EXERCISES:**

- Develop garment designs according to seasons.

**REFERENCE BOOK(S):**

G. J. Sumathi, (2022). *Elements of Fashion and Apparel Design*, (2<sup>nd</sup> ed.) New Delhi: New Age International Pvt Ltd., Print. Chapters: 1, 2, 3 and 5.

Patrick John Ireland, (2005). *Fashion Design Illustration*, New Delhi: B.T Batsford Ltd. Print.

Chapter: 1.

Sharon Lee Tate, (2007). *Inside Fashion Design*, (5<sup>th</sup> ed.), United States: Pearson Education. Print.

**DAD1023 FASHION SURFACE ORNAMENTATION**

**(LAB)**

<b>Class:</b> Diploma in Apparel Designing		<b>Semester:</b> I	<b>Hours per week:</b> 5 hrs.	<b>Total Hrs.</b> 60
<b>COs</b>	<b>COURSE OUTCOMES</b>		<b>COGNITIVE LEVEL</b>	
On successful completion of the course, the student will be able to				
CO1	identify the various tools used for surface embellishment		K1 Remember	
CO2	classify the aari stitches in hemline		K2 Understand	
CO3	outline various decorative embroidery techniques		K2 Understand	
CO4	demonstrate traditional design techniques		K3 Apply	
CO5	make use of different printing techniques		K3 Apply	

**COURSE CONTENT:**

**UNIT I: TOOLS FOR SURFACE EMBELLISHMENT AND BASIC STITCHES**

**12hrs.**

Embroidery hoop – needle – thimble – types of fabric and threads – types of stitches – line stitches – running – back stitch – stem stitch – button hole stitch and its variation – loop stitch and its variation – lazy daisy stitch – filling stitch – fish bone stitch – satin stitch – long and short satin stitch – seed stitch – herring bone stitch and its variation – knot stitch – french knot – bullion knot.

**UNIT II: TRADITIONAL EMBROIDERY**

**12 hrs.**

Kantha of Bengal – Kashida of Kashmir – Phulkari of Punjab – Chikankari of Lucknow.

**UNIT III: SURFACE EMBELLISHMENT TECHNIQUES**

**12 hrs.**

Smocking – mirror – bead – sequins work – single hanging – continuous – overlap – chain with sequins – applique

**UNIT IV: AARI EMBROIDERY**

**12 hrs.**

Basic chain – zig zag – knots – eye stitch – M stitch – Y stitch – stem stitch – fish bone – feather stitch – buttonhole.

**UNIT V: PRINTING TECHNIQUES**

**12 hrs.**

Tie and dye – sun burst – diagonal – three circle pattern – shibori – Batik – crackled method – nail block batik – free hand batik – splashing.

**REFERENCE BOOK(S):**

Shailaja, D. Naik, (1996). *Traditional Embroideries of India*. New Delhi: South Asia Books. Print. Pages: 13 – 135.

**DAD1024 BASICS IN SEWING PROCESS**

(LAB)

<b>Class:</b> Diploma in Apparel Designing		<b>Semester:</b> I	<b>Hours per week:</b> 5 hrs.	<b>Total Hrs.</b> 60
<b>COs</b>	<b>COURSE OUTCOMES</b>		<b>COGNITIVE LEVEL</b>	
On successful completion of the course, the student will be able to				
CO1	recognise the sewing machine parts and defects		K1 Remember	
CO2	describe the measurements to draft a specific pattern with relevant seams		K2 Understand	
CO3	classify the various types of yokes and fullness		K2 Understand	
CO4	construct various types of sleeves and collars		K3 Apply	
CO5	develop different types of plackets and pockets		K3 Apply	

**COURSE CONTENT:**

**UNIT I: INTRODUCTION TO SEWING MACHINES**

**12 hrs.**

Introduction to sewing machines – safety rules care and maintenance – selection of needles and threads for different fabrics – sewing machine settings – common problems and their remedies.

**UNIT II: MEASUREMENTS AND SEAMS**

**12 hrs.**

Measurement – importance – method of taking measurements – preparation of basic front and back bodice and sleeve – children – women – seams – definition – types of seams – plain seams – top stitch seam – flat fell seam – french seam – lapped seam – slot seam – seam finishes – pinked seam – bias bound – hem finishes.

**UNIT III: YOKES AND FULLNESS**

**12 hrs.**

Yokes – definition –types of yokes – chest yoke – midriff yokes – hip yoke – fullness – definition – types – darts – single – double pointed darts – tucks – pin tucks – cross tucks – group tucks – pleats – knife pleats – box pleats – godet – gathers – frill – single frill – double frills.

**UNIT IV: SLEEVE AND COLLAR**

**12 hrs.**

Construction of sleeve – plain – puff sleeve – petal sleeve – collar variations – peter pan collar – stand collar – shirt collar.

**UNIT V: PLACKETS AND POCKETS**

**12 hrs.**

Plackets – two piece placket – continuous bound placket – tailor placket – fasteners – pockets – patch pocket – set-in seam.

**REFERENCE BOOK(S):**

Mary Mathews, (2015). *Practical Clothing Construction Part I and Part – II*, Chennai: Cosmic Press. Print. Chapter: 5.

Zarapkar, K.R. (2005), *System of Cutting*, Navneet Publications, India. Print. Chapter: 1 and 2

**DAD2021 COMPUTER AIDED DESIGN**

(LAB)

<b>Class:</b> Diploma in Apparel Designing		<b>Semester:</b> II	<b>Hours per week:</b> 4 hrs.	<b>Total Hrs.</b> 48
<b>COs</b>	<b>COURSE OUTCOMES</b>			<b>COGNITIVE LEVEL</b>
On successful completion of the course, the student will be able to				
CO1	recall the tools used in coral draw X3			K1 Remember
CO2	demonstrate the tools used for drawing and colouring in coral draw X3			K2 Understand
CO3	make use of text and image in designing			K3 Apply
CO4	define the usage of Adobe Photoshop in fashion industry			K1 Remember
CO5	explain the tools used in Adobe Photoshop			K2 Understand

**COURSE CONTENT:**

**UNIT I: INTRODUCTION TO CORALDRAW X3**

**8 hrs.**

Introduction – creating a new file – title bar – menu bar – work area – printable page – property bar – page counter bar – colour palette – status bar – page layout – changing the page size – changing the layout – changing the background – tool box – pick tools – free hand pick – free transform – shape and edit tool – shape – smooth – smear – attract – smudge – repel – roughen.

**UNIT II: DRAWING AND COLOURING**

**10 hrs.**

Drawing shapes – ellipse – callout shapes – rectangle – selecting an object – resizing an object – moving an object – changing the shape – combining two objects – skewing – welding the objects – blending – curve lines – artistic media – straight lines – continuing a line – view mode – arranging objects – ordering objects – rotating an object – grouping – applying color fills and outlines – interactive fill – mesh fill – smart fill.

**UNIT III: MASTERING WITH TEXT AND IMAGE**

**10hrs.**

Introduction – text tool – artistic and paragraph text – formatting text – changing the font size – changing the font – bullets – decorating the text – webdings – changing the alignment – type style – spell checking – grammar – searching synonyms – find – replace – editing – formatting characters – image – importing images – adding special effects – resizing – rotating – skewing – moving – cropping – bitmap conversion – image dimension.

**UNIT IV: INTRODUCTION TO ADOBE PHOTOSHOP**

**10 hrs.**

Introduction – photoshop need for fashion industry – workspace overview – top menu bar – create a new document – photo shop tool palette – shortcut key – uses.

**UNIT V: BASIC TOOLS IN ADOBE PHOTOSHOP**

**10hrs.**

Tools – introduction – move and selection tools – crop and slice tools – measurement tools - retouching and painting tools – drawing and type tools – navigation tools.

**REFERENCE BOOK(S):**

DT Editorial Services, (2017). *CorelDraw X7 in Simple Steps*, Delhi: Dreamtech press. Print.

Sharma M.C, (2008). *CorelDraw Graphics Suite X3 Training Guide*, BPB Publications. Print.

**WEBSITE(S):**

<https://www.youtube.com/watch?v=iKfFNNtfpMU>

<http://product.corel.com/help/CorelDRAW/540229932/Main/EN/User-Guide/CorelDRAW-X7.pdf>

[http://gtu.ge/Arch/Faculty/Multimedia/Resources/2\\_Corel/Languages/EN/Help/CorelDRAW%20Graphics%20Suite%20X3.pdf](http://gtu.ge/Arch/Faculty/Multimedia/Resources/2_Corel/Languages/EN/Help/CorelDRAW%20Graphics%20Suite%20X3.pdf)

**DAD2022 GARMENT CONSTRUCTION**

**(LAB)**

<b>Class:</b> Diploma in Apparel Designing		<b>Semester:</b> II	<b>Hours per week:</b> 5 hrs.	<b>Total Hrs.</b> 60
<b>COs</b>	<b>COURSE OUTCOMES</b>		<b>COGNITIVE LEVEL</b>	
On successful completion of the course, the student will be able to				
CO1	classify the pattern making techniques		K2 Understand	
CO2	discuss the methods of stitching in kids wear		K2 Understand	
CO3	illustrate the sewing techniques for women’s wear		K2 Understand	
CO4	construct women’s garment		K3 Apply	
CO5	interpret the display techniques and garment costing		K3 Apply	

**COURSE CONTENT:**

**UNIT I: INTRODUCTION TO BASIC DRAFTING**

**12 hrs.**

Drafting – components of garment – bodice variation – empire bodice – natural bodice – lowered bodice and princess bodice – skirt variations – circular – handkerchief – panel – partition - layered.

**UNIT II: KIDS WEAR**

**12 hrs.**

Designing and drafting kids wear – zabra – knicker – frock variation – cascade ruffle – flounce – midi and tops.

**UNIT III: WOMEN’S WEAR I**

**12 hrs.**

Designing and drafting women’s – night wear – saree petticoat – salwar kameez.

**UNIT IV: WOMEN’S WEAR II**

**12 hrs.**

Designing and drafting – gagra choli – cut blouse – princess cut blouse.

**UNIT V: DISPLAY TECHNIQUES AND COSTING**

**12 hrs.**

Display of garment – display techniques – garment quality standards and specification – costing of garments.

**REFERENCE BOOK(S):**

- Gerry Cooklin, (2006). *Introduction to clothing Manufacture*, UK: Blackwell Publishing. Print.
- Mary Mathew, (2000). *Practical Clothing Construction*, Chennai: Cosmic Press. Print.
- Nurie Relis / Gail Strauss, (1968). *Sewing for Fashion Design*, UK: Blackwell Publishing. Print.

**DAD2023 FABRIC SCIENCE****(THEORY)**

<b>Class:</b> Diploma in Apparel Designing		<b>Semester:</b> II	<b>Hours per week:</b> 5 hrs.	<b>Total Hrs.</b> 60
<b>COs</b>	<b>COURSE OUTCOMES</b>		<b>COGNITIVE LEVEL</b>	
On successful completion of the course, the student will be able to				
CO1	define the classification of textile fibre		K1 Remember	
CO2	relate the process of making yarn		K1 Remember	
CO3	identify the different types of weaving		K2 Understand	
CO4	classify the knitting process		K2 Understand	
CO5	explain the recent developments in textiles		K2 Understand	

**COURSE CONTENT:****UNIT I: FIBRE****12 hrs.**

Fibre – definition – classification of textile fibres – natural fibre – man-made fibre – properties – primary – secondary.

**UNIT II: YARN****12 hrs.**

Spinning – flow process – carding – drawing – combing – simplex – ring frame -Yarn – definition – types of yarn – single – ply – core – classification of yarn – simple yarn – fancy yarn – yarn twist – S twist – Z twist.

**UNIT III: WEAVING****12 hrs.**

Introduction – definition – parts of loom – basic loom and its operation – weaves – types.

**UNIT IV: KNITTING****12hrs**

Introduction – definition – classification – warp knitting – weft knitting – difference between weaving and knitting.

**UNIT V: RECENT DEVELOPMENTS IN TEXTILES****12 hrs.**

Nonwoven – introduction – definition – types – introduction to technical textiles – classification.

**REFERENCE BOOK(S):**

- Bernard Corban P, (1998). *Fiber to Fabric*, (6<sup>th</sup> ed.), Singapore: McGraw Hill Publication. Print. Chapter: 1, 2 and 3.
- Pretal J, (1990). *Fabric Science*, (5<sup>th</sup> ed.), New York: Fairchild Publications. Print. Chapter: 1 and 3.

**DAD2024 PORTFOLIO PRESENTATION****(LAB)**

<b>Class:</b> Diploma in Apparel Designing		<b>Semester:</b> II	<b>Hours per week:</b> 6 hrs.	<b>Total Hrs.</b> 72
<b>COs</b>	<b>COURSE OUTCOMES</b>		<b>COGNITIVE LEVEL</b>	
On successful completion of the course, the student will be able to				
CO1	outline the process of theme selections		K2 Understand	
CO2	demonstrate the types of boards in fashion portfolio		K2 Understand	
CO3	restate the garment designing according to theme		K2 Understand	
CO4	develop pattern based on the design		K3 Apply	
CO5	construct the theme based garment		K3 Apply	

### **COURSE CONTENT:**

#### **List of Experiments:**

**72 hrs.**

- a. Selection of a Theme
- b. Preparation of customer profile
- c. Preparation of theme board and mood board
- d. Preparation of colour board and fabric board
- e. Preparation of flat sketches
- f. Preparation of story board
- g. Preparation of accessory board
- h. Preparation of photographic board
- i. Preparation of pattern according to the selected garment
- j. Constructing the garment to the customer requirement
- k. Costing of the final garment

#### **REFERENCE BOOK(S):**

- Barrett & Joanne, (2012) *Designing Your Fashion Portfolio*. New Delhi: Bloomsbury Publishing India Private Limited. Print.
- Kiper Anna, (2014) *Fashion Portfolio: Design and Presentation*. London: Batsford Ltd. Print.
- Tain & Linda, (2010) *Portfolio Presentation for Fashion Designers*. (3<sup>rd</sup> revised ed.) New York: Fairchild Publications. Print.