

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**DIPLOMA IN COMPUTER AIDED COSTUME**  
**DESIGN & DRESS MAKING**  
**TEACHING SCHEME (w.e.f. 18<sup>th</sup> July '2011 )**

**SEMESTER- V**

SR. NO	SUB. CODE	SUBJECT	PROPOSED TEACHING SCHEME (HOURS)			CREDITS
			THEORY	TUTORIAL	PRACTICAL	
1	2355101	Fashion Art	4	0	0	4
2	2355102	Knitting Technology	3	0	0	3
3	2355103	Apparel Production Control	3	0	0	3
4	2355104	Knitt Wear Garment (Practices)	0	0	4	4
5	2355105	Gents Apparel (Practices)	0	0	6	6
6	2355106	Fashion Trend (Practices)	0	0	4	4
		Elective -I	0	0	6	6
10	2355110	Project - I	0	0	4	4
		<b>Total</b>	<b>10</b>	<b>0</b>	<b>24</b>	<b>34</b>

Select **ANY ONE** from the following Elective subjects

SR. NO	SUB. CODE	SUBJECT	PROPOSED TEACHING SCHEME (HOURS)			CREDITS
			THEORY	TUTORIAL	PRACTICAL	
7	2355107	Saree Designing( Elective – I)	0	0	6	6
8	2355108	Traditional Costume of Different State of India (Elective – I)	0	0	6	6
9	2355109	Accessories (Elective – I)	0	0	6	6

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**DIPLOMA IN CDDM**  
**Semester – V**

Subject Code : 2355101

Subject Name : **Fashion Art**

Sr. No.	Subject Content	Hrs.
1.	<p><b>1.0 Fashion, Its Terminology and History of Fashion.</b></p> <p>1.1 Definition of fashion            1.2 Fashion Terminology                1.2.1 Campus fashion                1.2.2 High fashion – Haute Couture                1.2.3 Couture                1.2.4 Couturier                1.2.5 Classics                1.2.6 Fad                1.2.7 Custom                1.2.8 Taste            1.3 History of fashion            1.4 Principles of fashion            1.5 The intangible of fashion</p>	12
2.	<p><b>2.0 Fashion Cycle and Fashion Leadership and Sources of Fashion.</b></p> <p>2.1 Fashion Cycle                2.1.1 Stages of fashion cycle (Introduction, Rise culmination, Decline, obsolescence)                2.1.2 Lengths of fashion cycle                2.1.3 Breaks in the cycle                2.1.4 Long run and short run fashions                2.1.5 Consumer buying and the fashion cycle                2.1.6 Factors influencing fashion movement (Accelerating factors, Retarding factors)                2.1.7 Fashion leadership                2.1.8 Sources of fashion                2.1.9 Predicting the movement of fashion</p>	10
3.	<p><b>3.0 Sources and Creator of Fashion Inspiration and Promotion of Fashion from Designer to Closet:</b></p> <p>3.1 Creator of fashion inspiration. Promotion of fashion from designer to closet.</p>	6
4.	<p><b>4.0 Fashion Adaptation Theories:</b></p>	6

	4.1 Trickle down theory 4.2 Bottom – up theory. 4.3 Trickle across theory.	
5.	<b>5.0 Factors Influencing Fashion:</b>	<b>4</b>
6.	<b>6.0 Requirements of Working Sketch:</b>  6.1. Selection of age group 6.2. Selection of suitable average size measurement chart for the particular 6.3. Selected age-group. 6.4. Selection of work-sheet material 6.5. Selection of design 6.6. Selection of texture 6.7. Selection of colour 6.8. Selection of styles like applied design or structural design whatever is to be used in the working sketch 6.9. Assigning the code number to the working sketch Uses of working sketch.	<b>6</b>
7.	<b>7.0 Requirement of Boutique and Fashion Studio:</b>  7.1 Requirement of boutique 7.2 Approximate cost required in setting up a boutique. 7.3 Requirements of a fashion studio. 7.4 Approximate cost required in setting up a fashion studio.	<b>6</b>
8.	<b>8.0 Knowledge of National and International Fashion Designers:</b>  8.1 Types of designers (High fashion designer, stylist designer, freelance artist designer) 8.2 Knowledge of names of national fashion designers and their area of work. 8.3 Knowledge of names of international fashion designers and their area of work. 8.4 Knowledge of important fashion designers of Gujarat.	<b>6</b>
	<b>TOTAL</b>	<b>56</b>

**References Books:**

1. Individuality
2. Visual Design in Dress
3. Fashion Design Illustration : Men By Patrick John Ireland
4. Fashion Design Illustration : Women By Patrick John Ireland
5. Fashion Design Illustration : Child By Patrick John Ireland
6. Fashion Merchandising By Elaine Stone
7. Magazines (Clothes line, Apparel, stree (à)) etc. Vogue.)

# GUJARAT TECHNOLOGICAL UNIVERSITY

## DIPLOMA IN CDDM

### Semester – V

Subject Code : 2355102

Subject Name : **Knitting Technology**

Sr. No.	Subject Content	Hrs
1.	<b>Comparison of Weaving, Knitting and Lacing:</b>	2
2.	<b>Introduction and Materials for Knitting:</b>  (1) <b>Introduction:</b>  1.1 Definition 1.2 Meaning & Development  (2) <b>Materials for Hand Knitting.</b>  2.1 Knitting Aids.  2.1.1 Single-pointed needle 2.1.2 Double-pointed needle 2.1.3 Circular needle 2.1.4 Crochet hook 2.1.5 Tapestry needle 2.1.6 Cable stitch needle 2.1.7 Knitting gauge 2.1.8 Stitch holder 2.1.9 Bobbin 2.1.10 Row-counter 2.1.11 Ring Marker	6
3.	<b>Different Method of Casting on and Casting off Methods.</b>  3.1 <b>Casting on Methods :</b>  - one needle method - single cast on - Double cast on(Thumb method) - Looped cast on  3.2 <b>Casting off methods : (Bind off Methods)</b> - Plain cast off	6

	<ul style="list-style-type: none"> <li>- Suspended cast off</li> <li>- Invisible cast off</li> <li>- Crocheted cast</li> <li>- Plain bind off of Two pieces</li> <li>-</li> </ul>	
4.	<b>History of Knitted Garment Industry:</b>	<b>2</b>
5.	<b>Introduction of Different Types of Knitting Machine:</b> 5.1 Flat bed knitting machine 5.2 Circular knitting machine	<b>2</b>
6.	<b>Diff. Types of Primary Base Structures for Knitted Fabrics:</b>  6.1 Plain fabric 6.2 Rib fabric 6.3 Purl fabric	<b>6</b>
7.	<b>Stitch Geometry:</b>  7.1 Single chain stitch 7.2 Two thread or double chain stitch 7.3 Three thread over lock 7.4 Seam covering or multi thread chain stitch 7.5 Lock stitch	<b>6</b>
8.	<b>Understanding of Various Methods and Production Sequence of Knitted Garments:</b>  8.1 Fully cut – Marker, Spreading, and Cutting. 8.2 Stitch – shaped cut – cutting. 8.3 Fully Fashioned – Armhole, Neck etc. Shape Generation. 8.4 Integral knitting – Subject shaping, wall shaping.	<b>6</b>
9.	<b>Quality Control Of Knitted Garment:</b>	<b>6</b>
	<b>TOTAL</b>	<b>42</b>

### References Books:

1. Knitting technology. - David J. Spencer, Pergamon press.
2. Knitted Clothing technology. - Terry Brackenbury, Blackwell Science.
3. Metric pattern cutting. - Winifred Aldrich.
4. Pattern cutting for Lingerie, - Beachwear and Leisurewear.
5. Knitting technology - D. B. Ajaonkar. Universal publishing corpn, Bombay. Fashion
6. Complete guide to needle work. - Reader's Digest
7. The step by step guide to knitting. -Sandy larr. pub. - Willian Callins sons & Co.Ltd.

# GUJARAT TECHNOLOGICAL UNIVERSITY

## DIPLOMA IN CDDM

### Semester – V

Subject Code : 2355103

Subject Name : Apparel Production Control

<b>Sr. No.</b>	<b>Subject Content</b>	<b>Hrs.</b>
1.	<b>Production Management:</b>  1.1 Development of Production Management. 1.2 Concept of Production Management. 1.3 Scope of Production Management 1.4 Organizing the Production function. 1.5 Types of Production.	6
2.	<b>Production Planning and Control:</b>  2.1 Meaning of Production planning. 2.2 Production control. 2.3 Organization for production planning and control.	6
3.	<b>Organization and Structure:</b>  3.1 Introduction of organization. 3.2 Line organization. 3.3 Functional organization. 3.4 Line and Staff organization. 3.5 Committees structure	8
4.	<b>Plant Location, Factory Planning and Plant Lay Out:</b>  4.1 Introduction, Meaning and importance of location. 4.2 Factors affecting location. 4.3 Definition and Importance of plant layout. 4.4 Factors influencing plant layout 4.5 Types of layout. 4.5.1 Product layout 4.5.2 Process layout. 4.5.3 Mixed layout. 4.6 Necessity of good layout. 4.7 Tools and technique for layout 4.8 Re-layout. 4.9 Preparation of typical layout plans of various production system like men's wear, Ladies wear & Children's wear.	8

5.	<b>Time Study and Motion Study Related to Apparel Industry:</b> 5.1 Definition of time study and motion study. 5.2 Objective of time study. 5.3 Importance of time study. 5.4 Objective of motion study. 5.5 Importance of motion study. 5.6 Tools of motion study.	6
6.	<b>Methods of Wage Payment:</b> 6.1 Introduction. 6.2 Classification of wage payment plans. 6.3 Incentives. 6.4 Wage incentives plans. 6.5 Incentives for indirect workers. 6.6 Profit sharing.	8
7.	<b>Total</b>	<b>42</b>

### **References Books:**

1. Introduction to Clothing Production Management. - A. J. Chuter.
2. Industrial Engineering and Management. - O. P. Khanna.
3. Business Organization and Management - M. C. Shukla.
4. Organization and Management - R. D. Agarwal

# GUJARAT TECHNOLOGICAL UNIVERSITY

## DIPLOMA IN CDDM Semester – V

Subject Code : **2355104**

Subject Name : **Knitt Wear Garment (Practices)**

Sr. No.	Subject Content	Hrs.
1.	<b>Abbreviations and Symbols used in hand knitting:</b>	<b>4</b>
2.	<b>Hand Knitting -</b>  <b>(A) Basic Stitches</b> :- Garter stitch, stocking stitch, Moss stitch, Rib stitch  <b>(B) Fancy Stitches</b> :-Cable patterns, Tuck patterns, Slip patterns, Lace patterns, Multi colour patterns, Woven patterns, Bubble patterns, Charted patterns.  <b>(C) Crochet</b> :- crochet Symbols & Geometric shapes ( Triangle, Square, Circle.)(3"x3")	<b>26</b>
3.	<b>Drafting, Cutting and Stitching of following knitted garments.</b>  <b>(1)</b> Night wear for teenager girl <b>(2)</b> Children wear for 5 to 10 year girl	<b>20</b>
4.	<b>Visit to knitted garment industry.</b>	<b>6</b>
<b>Total</b>		<b>56</b>

### References Books:

1. Knitting technology. - David J. Spencer, Pergamon press.
2. Knitted Clothing technology. - Terry Brackenbury, Blackwell Science.
3. Metric pattern cutting. - Winifred Aldrich.
4. Pattern cutting for Lingerie, - Beachwear and Leisurewear.
5. Knitting technology - D. B. Ajgaonkar. Universal publishing corpn, Bombay. Fashion
6. Complete guide to needle work. - Reader's Digest
7. The step by step guide to knitting. - Sandy Iarr. pub.- Willian Callins sons & Co.Ltd.

# GUJARAT TECHNOLOGICAL UNIVERSITY

## DIPLOMA IN CDDM Semester – V

Subject Code : 2355105

Subject Name : Gents Apparel (Practices)

Sr. No.	Subject Content	Hrs.
1.	Designing of different types of shirts. (5 Design manually )	6
2.	Designing of different types of Jackets. (5 Design manually )	6
3.	Designing of different types of Kurtas. (5 Design manually )	6
4.	Designing of different types of Coats. (5 Design manually )	6
5.	Designing of different types of chuddar. (5 Design manually )	6
6.	Designing of different types of trousers. (5 Design manually )	6
7.	Designing of tie, tiepins, studs, Belt.	6
8.	<b>Drafting, cutting and Stitching of following garments:</b>  1. Shirt. 2. pant 3. jacket	24
9.	Picture collection of Bride-groom's costumes	4
10	Picture collection of men from different occupations	4
11.	Collection of samples of material & used for gents costumes	4
12.	Visit to gents garment industry.	6
13.	Total	84

## **References Books:**

1. Commercial system of cutting.
2. Gent's pattern designing.
3. Metric pattern cutting for Menswear
4. including computer Aided design
5. ( second edition) - Winifred Aldrich
6. Pattern Grading for Men's clothes.
7. The Technology of sizing, - Gerry Cooklin.
8. Corporal system of Cutting - M.B.Juvkar – boox.
9. Fashion Design illustration - Men Patrick JohnIreland.

# GUJARAT TECHNOLOGICAL UNIVERSITY

## DIPLOMA IN CDDM Semester – V

Subject Code : 2355106

Subject Name : Fashion Trend (Practices)

Sr. No.	Subject Content	Hrs.
1.	Preparation of Transparencies of Fashioned Garments.(5 Transparencies):	4
2.	Illustrations of Fashion Parade Wear. (5 Design By Hand ):	4
3.	Fashion Illustration of Garments for Teenager Girls. (5 Design By Hand):	4
4.	Fashion Illustration of Garments for Teenager Boys. (5 Design By Hand):	4
5.	Fashion Illustration of Garments for Adult Men. (5 Design By Hand):	4
6.	Fashion Illustration of Garments for Adult Women. (5 Design By Hand):	4
7.	<p><b>Designing of Seasonal Fashioned Garments for Teenager Girls. (Three Design of Each by hand):</b></p> <p>7.1 Summer wear fashioned garment 7.2 Winter wear fashioned garment 7.3 Spring wear fashioned garment. (drafting, cutting and stitching above any one garment)</p>	12
8.	Theme Based Fashioned Garments to be Stitched (Upper & Lower Garment) (Draw Three Designs):	10
9.	Traditional Garment to be Stitched Except Kameez Salwar(Draw Three Designs):	10
	Total	56

### References Books:

1. Individuality
2. Visual Design in Dress
3. Fashion Design Illustration : Men By Patrick John Ireland
4. Fashion Design Illustration : Women By Patrick John Ireland
5. Fashion Design Illustration : Child By Patrick John Ireland

6. Fashion Merchandising By Elaine Stone
7. Magazines (Clothes line, Apparel, stree (à)) etc. Vogue.)

# GUJARAT TECHNOLOGICAL UNIVERSITY

## DIPLOMA IN CDDM

### Semester – V

Subject Code : 2355107

Subject Name : Elective - I - Saree Designing

Sr. No.	Subject Content	Hrs.
1.	<b>Embroidery:</b> 1.1 To prepare three sketches of designer's worksheet for sarees using hand or machine embroidery.	6
2.	<b>Painting and Printing:</b> 2.1 To prepare four sketches of designer's worksheet for sarees using 2 Painting and 2 Printing techniques	6
3.	<b>Borders and Laces:</b> To prepare four sketches of designer's worksheet for sarees using 2 borders and 2 laces as material	6
4.	<b>Patch &amp; Applique:</b> 4.1 To prepare four sketches of designer's worksheet for sarees using 2 patch and 2 applique.	6
5.	<b>Prepare Any one Sarees by Using Above Mentioned Techniques of Surface Embellishment:</b>	54
6.	<b>Drawings of Different Draping Methods of Sarees:</b>	6
	<b>Total</b>	<b>84</b>

**NOTE-:** All the laboratory experiences have to be complied in the file and submit as a term work. Also submit the two prepared sarees as term work.

# GUJARAT TECHNOLOGICAL UNIVERSITY

## DIPLOMA IN CDDM

### Semester – V

Subject Code : 2355108

Subject Name : **Elective - I - Traditional Costume of Different State of India**

<b>Sr. No.</b>	<b>Subject Content</b>	<b>Hrs.</b>
1.	<b>Draw a Traditional Costume Design for Male and Female of Following States.(Each One):</b>  1.1 Uttar Pradesh 1.2 Rajasthan 1.3 Gujarat 1.4 Maharashtra 1.5 Karnataka 1.6 Andhra Pradesh 1.7 Kerala 1.8 Tamilnadu 1.9 Orrisa 1.10 West Bengal 1.11 Madhya Pradesh 1.12 Meghalaya 1.13 Manipur 1.14 Jammu Kashmir 1.15 Punjab 1.16 Assam	30
2.	<b>Drafting, Cutting and Stitching of Traditional Costume from Above States.(Any One):</b>	32
3.	<b>Prepare Assignment and Power Point Presentation (Collect History, Pictures, Details of Traditional Costumes Any Two)</b>	22
	<b>Total</b>	<b>84</b>

# GUJARAT TECHNOLOGICAL UNIVERSITY

## DIPLOMA IN CDDM

### Semester – V

Subject Code : 2355109

Subject Name : Elective - I - Accessories

Sr. No.	Subject Content	Hrs.
1.	Preparation of Two Purses Using Materials Such as Leather, Woven Materials, Felt, Plastic Materials, Crochet Etc.	20
2.	Preparation of Three Belts Using Embroidery Screen Printing, Stencil, Braid, Leather , Batik, Crochet, Jute, Threads Etc.	24
3.	Preparation of Jewellery Items Such as Necklace, Earrings, Bracelet Etc. Using Beadwork, Cowri, Etc	20
4.	Preparation of One Detachable Decorative Patch Piece Using Embroidery Beadwork, Cowri Etc. for Channia Choli, Punjabi Dresses	20
	Total	84

### TERM WORK:

The methodology of all the accessories should be recorded in journal and all the articles should be submitted in a bag.

# GUJARAT TECHNOLOGICAL UNIVERSITY

## DIPLOMA IN CDDM

### Semester – V

Subject Code : 2355110

Subject Name : Project-I

**Practical : 4 hours/ weeks**

**Marks : 50 Internal + 100 External**

### General Guidelines for the

### Project – I & II (Diploma Engineering Semester 5<sup>th</sup> & 6<sup>th</sup>)

Each final year Project will be a Major Project. It will be divided into two Semesters

of work and having total marks of 450 .

1) **Project – I: (Marks: 150) , Credits : 0 – 0 – 4**

Semester 5<sup>th</sup>, teaching scheme is 0-0-4, with 4 credits worth of 150 marks

(Out of 150 marks, 50 marks are to be given for Problem Definition. The college, through internal evaluation, will assess the Industry Defined problems, submitted by students during the third week of the fifth semester. The remaining 100 marks are for the practical exam, to be conducted by the University.)

2) **Project – II (Marks:300) , Credits : 0 – 0 – 12 (As specified in the programme structure)**

Semester 6<sup>th</sup>, teaching scheme for the project is 0-0-12 ,having 12 credits according to the branch. During the 6<sup>th</sup> semester, the project will carry 300 marks out of that 200 marks for External University Examination and 100 Marks for Internal Evaluation.

a) Each defined project needs to be from Industry/Research organization/Govt .organization /socio-technical/technology transfer/application or action research based issues and according to the need of time for solving real life problems.

b) Project identification should be based on “Shodh-Yatra” carried out by the students just after completion of Diploma Engg. Semester 4<sup>th</sup> Examination. It should be completed till the end of Second week of the term (5<sup>th</sup> semester ).

- c) Problem definition for the project needs to be submitted by every student in  
THIRD week of the term (5<sup>th</sup> Semester) to his/her college.
- d) Each definition will be evaluated during FOURTH week of the term ( 5<sup>th</sup> semester ) itself by the College.
- e) Every College should send all the Problem Definitions in the specified format to GTU .

Facilitation:

You may contact your Udisha Club Co-ordinator/Faculty/Department/Principal or Chairman/TPO of your Sankul for arranging “Shodh-Yatra” to the industries.

**Guidelines for the students:**

1. The students are required to identify their problem during break between fourth and fifth semester and they are required to follow all the rules and instructions issued by department, for safety and other requirements.
2. Each student or student group would work under the guidance of the Faculty from the College. In case any problem/other issue arises for the smooth progress of IDP discovery/Practical Training, it should be immediately brought to the notice of the Udisha Club Co-ordinator /Faculty /Department/Principal or Chairman of your Sankul.
3. The students are required to submit the Problem Definition (in the specified format) to their Head of the Department in their College latest during the THIRD week of term.

**The project report shall be in the following format:**

1. Topic and objectives
2. Selection of Area
3. Collection of data, required survey work

5<sup>th</sup> semester :Problem definition , prepare the draft project report. in so that can be submitted in

6th semester.: Survey and analysis and design along with Final report drawing etc.