

CURRICULUM FOR ONE YEAR  
(TWO SEMESTER)  
P.G. DIPLOMA COURSE IN

=====  
: FASHION TECHNOLOGY :  
: Effective from Session :  
=====

=====  
:Semester System :  
=====

=====  
UNDER DEVELOPMENT  
=====

Prepared By

=====  
: Curriculum Development Cell :  
=====

INSTITUTE OF RESEARCH DEVELOPMENT  
& TRAINING, U.P., KANPUR

APPROVED BY

=====  
: BOARD OF TECHNICAL EDUCATION :  
: U.P. LUCKNOW, :  
:CORRECTED AS SYLLABUS COMMITTEE OF:  
: B.T.E. MEETING HELD ON 04.05.2017:  
=====

STUDY AND EVALUATION SCHEME FOR  
ONE YEAR(TWO YEAR) POST GRADUATE DIPLOMA COURSE IN FASHION TECHNOLOGY  
(Effective from session )

I SEMESTER

STUDY SCHEME					S U B J E C T S	SCHEME OF EXAMINATION								
PERIOD PER WEEK						T H E O R Y				P R A C T I C A L				
Lect	Tut.	Pract	Pro jec t	Total		Examination Dur.	Sessl Marks	Total Marks	Examination Dur.	Sessl Marks	Total Marks	Grand Total		
2	-	8	-	10	1.1 Fashion General Knowledge	2.5	50	20	70	3	60	30	90	160
2	-	10	-	12	1.2 Drafting & Pattern Making	-	-	-	-	4	60	30	90	90
2	-	6	-	8	1.3 Dress Designing	-	-	-	-	4	50	25	75	75
2	-	6	-	8	1.4 Embroidery	-	-	-	-	4	60	30	90	90
4	-	6	-	10	1.5 Textile Science	2.5	50	20	70	3	40	20	60	130
12	-	36	-	48	Total		100	40	140	-	270	135	405	545
												Discipline	25	
												50	-----	
												Total	570	
												-----		

II SEMESTER

3	-	9	-	12	2.1 Garment Fabrication	2.5	50	20	70	3	60	30	90	160
4	-	6	-	10	2.2 Computer Basics & CAD	2.5	50	20	70	3	60	30	90	160
6	-	4	-	10	2.3 Apparel Industry & Production Management	2.5	50	20	70	4	40	20	60	130
-	-	8	-	8	2.4 Jewellery & Fashion Accessories	-	-	-	-	4	70	30	100	100
-	-	-	8	8	2.5 Project	-	-	-	-	-	100	50	150	150
13	-	27	8	48	Total		150	60	210	-	330	160	490	700
												Discipline	25	
												50	-----	
												Total	725	
												100% Carry Over of I Sem	570	
												-----		
												Grand Total	1295	
												-----		

Note :

1. Each period will be 50 minutes duration.
2. Each session will be of 16 weeks.
3. Effective teaching will be at least 14 weeks.
4. Remaining periods will be utilised for revision etc.
5. Faculty and equipment are not required to arrange separately where the Fashion Technology Three Years (Six Semester) Course is running already in the institute

C O N T E N T S

S.No.	Particulars	Page No.
	Study & Evaluation Scheme	
	Main features of the curriculum	1
	LIST OF EXPERTS	2
	Need analysis	3
I Semester		
1.1	Fashion General Knowledge	4-5
1.2	Drafting & Pattern Making	6-7
1.3	Dress Designing	8
1.4	Embroidery	11-12
1.5	Textile Science	13-16
II Semester		
2.1	Garment Fabrication	10
2.2	Computer Basics & CAD	10
2.3	Apparel Industry & Production Management	17-18
2.4	Jewellery & Fashion Accessories	9
2.5	Project	20
	Staff Structure	21
	Space requirement	22-23
	List of equipments	24-29
	Bibliography of Fashion Designing Books	30-34
	Learning Resource material	35
Annexure 3	Questionnaire	36-38

MAIN FEATURES OF THE CURRICULUM

Titlle of the Course	P.G. Diploma in Fashion Tech.
Duration	One Year(Two Semester)
Pattern of Course	Semester System
Entry Qualification	Graduate in Any Discipline
Intake	60
Type of Course	Full time
Mode of Admission	State Joint Entrance Examination

LIST OF EXPERTS

3

Corrected and Approved By B.T.E. on Dated 04.05.2017

List of the Honourable experts whose Consideration helped to develop the curriculum of One year (Two Semester) diploma course in Fashion Designing on dated 21.04.15 at I. R. D.T., U.P., Kanpur

1. Mohd. Asif Zaidi                      Lecturer                      GP,Varanasi
2. Shri Rajjan Lal Pal                      Lecturer(Fash.) G.G.P.,Lucknow
3. Sri Pankaj Yadav                      Professor                      IRDT, Kanpur

List of the Honourable experts whose Consideration helped to revision the curriculum of One year diploma course in Fashion Designing on dated 21.12.15 at I.R.D.T., U.P., Kanpur.

1. Dr. Ritu Pandey                      Asstt. Proff. C.S.A. Uni. Kanpur
2. Mrs. Ruchi Mittal                      Principal  
Ruchi's Institute of Creative Arts  
Allahabad
3. Smt. Chandrakanta                      Principal,S.J.P.M.L. Poly.Ghaziabad
4. Smt. Ranjana Mishra                      Lecturer,S.J.P.M.L. Poly.Ghaziabad
5. Shri Ashif Zadi                      Lecturer,G.G.P., Lucknow
6. Smt. Kshama Mishra                      Asstt. Professor,I.R.D.T.,U.P.Knp.

List of the Honourable experts whose Consideration helped to review and revision the curriculum of One year diploma course in Fashion Designing on dated 27.07.16 and 31.08.2016. at I.R.D.T., U.P., Kanpur.

1. Shri Rajjan Lal Pal                      H.O.D.                      G.G.P,Lucknow
2. Dr. Ritu Pandey                      Asstt. Proff. C.S.A. Uni. Kanpur
3. Dr. Mrs. Ruchi Mittal                      Principal  
Ruchi's Institute of Creative Arts  
Allahabad
4. Smt. Chandrakanta                      Principal,S.J.P.M.L. Poly.Ghaziabad
5. Smt. Ranjana Mishra                      Lecturer,S.J.P.M.L. Poly.Ghaziabad
6. Smt. Kshama Mishra                      Asstt. Professor,I.R.D.T.,U.P.Knp.

N E E D     A N A L Y S I S

4

Corrected and Approved By B.T.E. on Dated 04.05.2017

Few years back the need of fashion designers in the country was relatively simple and limited to certain specific area of demand. With the development and progress of textile industry in the country it became essential for business houses to identify and develop new marketing techniques, through various media. By and by the task of a fashion designer became more complex and sophisticated. A fashion designer was expected to design fashions to meet the varying demands of all age groups, sex and occasions. He was also expected to organise fashion exhibitions, window display and writing articles in the fashion magazines.

Due to growing sophistications the need for trained personnel in the field of fashion designing has increased. To meet the pressing demands of user agencies State Govt. has decided to start the course in fashion Designing.

Rationale :

Importance of the paper lies in the fact that it enables the student to develop a proper concept of fashion and its trends.

TOPIC WISE DISTRIBUTION OF PERIODS

Sl.No.	Units	Coverage Time		
		L	T	P
1.	Introduction	4	-	-
2.	Fashion Terminology	6	-	-
3.	Waxing & Waning of Fashion	6	-	-
4.	Elements & Principles of Basic Design	4	-	-
5.	Medium of Expression	4	-	-
6.	Introduction to Negative & Possitive Space	5	-	-
		28	-	112

DETAILED CONTENTS

1. INTRODUCTION :

Fashion, Fashion classification & types. Fashion Design & Fashion technology. Why Fashion? How to keep in touch with latest fashion ? Selecting Fashion for ownself. Fashion Industry & its Scope. Fashion Illustration & Application.

2. FASHION TERMINOLOGY:

Aquainting with Fashion terminology. Fashion industry language guide. Dictionary of Fashion terms.

3. WAXING & WANING OF FASHIONS:

Causes. Fashion occasions in social life, formal gatherings, Fashion cycle.

4. ELEMENTS & PRINCIPLES OF BASIC DESIGN :

(a) Elementary Knowledge of tools and equipment.

(b) Dots. Lines-thick,thin, Straight, Curved, Wavy, vertical, Horizontal & Diagonal .

Shapes- Natural- Leaves, Flowers, Fruits, Vegetables  
Birds, etc, Man Made and Geometrical Shapes  
Forms - 3 dimentional shapes,Make compisitions to create

designs with shapes and forms.

- (c) Colours - Hue, Value and Intensity  
Colours wheel and colour schemes- Triadic analogous,  
complimentary, warm and cool.
- (d) Proportion, Harmony, Relationship, Contrast, Balance,  
Variety, Unity & Rhythm in design.

5. MEDIUM OF EXPRESSION :

Pencils, Oil pastels, water colours.

6. INTRODUCTION TO NEGATIVE & POSSITIVE SPACE :

Space value, Geometrical designs showing Negative &  
Possitive space.

LIST OF PRACTICALS

1. PRACTICE OF FOLLOWING ARTS FORMS IN COLOUR :

- (a) Traditional & Modern
- (b) Folk & Geometrical

2. Practicals based on theory

- A. Create 15 sheets (on 1/4 cartridge) on elements and  
principles of Basic Design.
- B. Create 15 sheets (on 1/4 cartridge) on colour.
- C. Create 5 sheets (on 1/4 cartridge) on +ve and -ve space,  
traditional and modern and folk art.



1.2 DRAFTING AND PATTERN MAKING

L T P  
2 - 10

Rationale:

This paper will make students familiar with human anatomy, measurement methods, measurement charts, difference between paper pattern and drafting, figure types and figure defects. The student will also be equipped with the knowledge of operation of equipments used in drafting.

Sl.No.	Topics "	Coverage Time		
		L	T	P
1.	Scope and importance of drafting	4	-	-
2.	Pattern Making	6	-	-
3.	Human anatomy	6	-	-
4.	Measurement methods	6	-	-
5.	Measurements Charts	6	-	-
		28	-	140

1. Scope and importance of drafting, Drafting terminology, Drafting tools and equipment.

2. PATTERN MAKING :

Different types of pattern, Converting of draft into pattern, Importance of pattern, Difference between paper pattern and drafting.

3. HUMAN ANATOMY :

Study of human body with reference to skelton, muscles, joints, organs, growth of body, various facts to consider in making of garments.

4. MEASUREMENT METHODS:

Various methods of taking measurements on the body. Taking measurements of over garments. Sequence of recording measurements.

5. MEASUREMENT CHARTS/ANTHROPOMETRY :

Study of measurement charts, study of human proportions, Different figure type and defects, Eight head theory its

principle and application.

#### Drafting and Pattern Making Practicals

1. Draft the child's bodice, Types of Sleeves and Types of collars.
2. Draft Ladies bodice, Plain Sleeves, Types of Skirts.
3. Draft for Gents shirt.
4. Draft for Ladies and gents trousers .
5. Dart manipulation.
6. Elimination of darts and insertion of fullness through pleats, tucks, gathers. etc
7. Draft the following garments :  
Baby frock, Jump Suit, Boy's Shirt, Knickers, Night wears, Skirt, Top, Saree blouse, Salwar Kameej, Churridar, Anarkali suit, Gents Shirt, Aligarhi Pajama Trouser.

### 1.3 DRESS DESIGNING

L T P  
2 - 6

#### Rationale :

Designing is the first activity in the process of manufacturing a product. For garment making too designing is equally important. This paper deals specially with mens wears. Due use of computers in these exercises be emphasized.

#### Note :

Lecturer/Demonstration will go along with practice in tutorial classes. All exercises relevant to topics in paper shall be done. Due use of computer in these exercise be emphaseie.

#### TOPIC WISE DISTRIBUTION OF PERIODS

Sl.No.	Units	Coverage Time		
		L	T	P
1.	Introduction	-	-	-
2.	Skecthes (Topic 1,2)	-	-	-
	Topic 1	-	-	-
	Topic 2	-	-	-
	(i) Casual Wears	-	-	-
	(ii) Parity Wears	-	-	-
	(iii)Sports Wears	-	-	-
	(iv) Office Wears	-	-	-
3.	Skectches - Pockets & Plackets	-	-	-
4.	Story Board Developments	-	-	-
5.	Market Research	-	-	-
6.	Design Projects	-	-	-
7.	Interpretation of drawing	-	-	-
8.	visual & Verbal Analysis	-	-	-
		28	-	84

#### DETAILED CONTENTS

Introduction of dress design, fashion & style and different dress materials.

Preparation of a file (1/4 imperial size ) :-

1. Line sketches of human figures (Gents,ladies and children) with pencil or ink, Introduction of dress design, fashion style and different dress materials. Sketch different types of neck lines, collars, sleeves, yokes, tie, bow with ink.
2. Sketch following garment designs (Boys & Men) in different mediums (ink, pencil, water colour, poster colour) and write special features of the dress and suitable fabric material &

clothing accessories.

(i) CASUAL WEAR : Design different types of casual dresses according to different age groups, seasons and climate with the use of different types of fabric prints, checks, textures etc.

(ii) PARTY WEAR : Design different types of dresses for parties, Festival- party, Cocktail-party, Marriage-party) for different age groups.

(iii) SPORTS WEAR : Design different types of sports dresses ( Tennis, Jogging, Swimming, Horse riding, Sailing Cricket ). for different age groups.

(iv) UNIFORM WEAR : Sketch various design related to office, school and industrial wears.

3. Sketch different types of pockets, plackets, belts with ink.
4. Story board development
  - (i) Colour presentation
  - (ii) Verbal presentation
5. MARKET RESEARCH - Design identification, development of strong Leather garment theme.
6. Design projects for various garment categories.
  - (i) Leather (ii) Textile (iii) Knit (v) Embroidery
7. Interpretation of drawings into garments by various pattern techniques.
8. Visual and verbal analysis and assessment of finished garments.

#### 1.4 EMBROIDERY

L T P  
2 - 6

##### Rationale :

Embroidery is a process of adding design and decoration to the fabric surface. It holds significant importance in fashion wears for children and women. so it can not be ignored in fashion designing curriculum.

##### Note :

Lecturer/Demonstration will go along followed by practice during practical periods. At least 20 exercises (Patterns) of different kinds relevant topics in the paper. Student should be given demonstration of these exercises on computer also.

##### TOPIC WISE DISTRIBUTION OF PERIODS

Sl.No.	Units	Coverage Time		
		L	T	P
1.	Introduction (Topics 1,2)	4	-	-
2.	Embroidary	15	-	-
3.	Preparation of articles	9	-	-
		28	-	84

##### DETAILED CONTENTS

##### 1. INTRODUCTION :

- A. Introduction of the appropriate tools, machines and materials for hand and machine embroidery work.
- B. Knowledge of tracing design on various types of embroidery materials.

##### 2. EMBROIDARY :

Prepare a file of the following embroidery samples with their characteristics, special features and uses.

##### (I) HAND EMBROIDERY :

- (i) Basic stitches (Including variations) - stem stitch, Back stitch, Chain stitch, Buttonhole stitch, Satin stitch, Long & Short stitch, Herringbone stitch, french knots, Couching, Darning-stitch, Feather-stitch, Cross-stitch.

##### (ii) FANCY EMBROIDERY WORK :

- (a) Applique work (Blind, Net, lace, figure appliques)
- (b) Patch work
- (c) Bead work
- (d) Ribbon work
- (e) Punch work
- (f) Laid work
- (g) Zari work
- (h) Shadow work
- (i) Quilting
- (j) Smocking

II. TRADITIONAL INDIAN EMBROIDERY :

- (a) Kashmiri
- (b) Phulkari
- (c) Chicken Kari
- (d) Sindhi mirror embroidery
- (e) Kantha
- (f) Miscellaneous Embroidery

3. PREPARATION OF ARTICLES USING ABOVE SKILLS

3.1 Preparation of basic stitches embroidery folder.

3.2 Prepare Traditional embroidery Folder.

1.5 TEXTILE SCIENCE

L T P  
4 - 6

Rationale:

A diploma holder in Fashion Designing, has to interact with skilled labour on one hand and he/she has to assist his/her seniors in the procurement of raw materials and various types of fabrics on the other. Therefore he/she should be equipped with the technique of selecting textile and synthetic fibres by visual inspection and laboratory tests, processing of fabrics, dyeing of fabrics etc.

Sl.No.	Topics	Coverage		
		L	T	P
1.	Textile fibres	10	-	-
2.	Elementary Knowledge of Kintting	10	-	-
3.	Woven Fabric construction	10	-	-
4.	Survey of	8	-	-
5.	Textile Dyeing	8	-	-
6.	Textile Printing	8	-	-
7.	Study of	2	-	-
		56	-	84

1. Textile Fibres
  - 1.1 Classification of textile fibres and their general & essential properties.
    - 1.1.1 Natural fibres
      - Animal
      - Vegetable
      - Mineral
      - Bast Fibres
    - 1.1.2 Man made Fibres
      - (a) Regenerated fibers.
        - Rayons (Viscose, Acetate, Cupramonium)
      - (b) Synthetic fibers.
        - Nylon
        - Polyester (Terelene/Decron)
        - Acrylic (Orlon)

- 1.2 Identification of textile fibres
  - 1.2.1 Visual inspection
  - 1.2.2 Burning test
  - 1.2.3 Microscopic identification
  - 1.2.4 Chemical test (elementary)
  - 1.2.5 Elementary knowledge of blends
  
2. Elementary Knowledge of Kintting :
  - 2.1 Knitting Terminology- Terms related to hand and machine kintting and kintting software
  - 2.2 Hand Kintting - Basic stitches, Finishing.
  
3. Woven Fabric Construction
  - 3.1 Classification of woven fabrics
  - 3.2 Elementary knowledge of different processes involved in the conversion of yarn into fabric.
  - 3.3 Weaves.
    - (ii) Types of weaves
      - Simple: weaves
      - Plain, Twill, Satin and Sateen
  - 3.4 Fabric count (Weight of fabric)
  
4. Survey of different commercial fabrics on the basis of:
  - 4.1 Methods of manufacturing: weaving, ( woven) (simple, compound, looped, tufted, gauze, leno etc.) and knitting (knitted) ( weft knitted, warp knited etc.)
  - 4.2 Structure (weave): plain ( Long cloth, Popline, Rubia, Casement, Cambric, Voile, Mulmul, Buckram etc.), Twill (Drill, Denim, Jean, Tweed, Serge, Gaberdine etc.).
  - 4.3 Quality and Construction: ( Coarse, Medium, Fine, Superfine, Based on EPI, PPI, Count & ply of wrap and weft yarn )
  - 4.4 Weight, Light, Medium, Heavy.
  - 4.5 Level of ornamentation: Dyed, Stripe, Check, Figured-Tapestry, Brocade, Damask and Printed.
  - 4.6 Use : Shirting, Suiting, Lining, Dress Material, Bed cover, Table cover, Curtain, Furnishing,



Upholstery etc.)

5. Dyeing
  - 5.1 Classification of dyes
    - a : Natural Dyes
      - Vegetable
      - Animal
      - Mineral
    - b: Synthetic dyes
      - Acetate
      - Acid
      - Basic
      - Pigments
      - Different types of dyeing methods
    - c: Ecofriendly dyes
  - 5.2 Batik
  - 5.3 Tie and dye
  - 5.4 Factors which effect fading of dyed fabrics
    - (i) Light
    - (ii) Humidity
    - (iii) Perspiration
    - (iv) Gas fumes
    - (v) Laundering
    - (vi) Heat
6. Surface Designs of fabrics
  - 6.1 Printing
    - a- Vegetable printing
    - b- Block printing
    - c- Screen printing
7. Study of different commercial fabrics. for their structure and construction.

#### TEXTILE SCIENCE PRACTICALS

1. Identification of fibres. (Natural & Man made fibres)
2. Market survey to study different types of commercial fabrics

and their sample collection.

3. Study of fabric structure to identify basic weaves.
4. Study of fabric count (Weight of fabric).
5. Exercises in proper selection of fabrics for any given garment or style.
6. To prepare an article in
  - Batik
  - Tie and dye
  - Block printing
  - Screen printing along with sequence
7. Stencil or spray along with Transfer printing.
8. To visit cloth manufacturing factories and prepare a report.

1. Sewing tools and equipments- Introduction to sewing machine-  
- Machine parts, their function, oiling, Machine maintenance, Machine defects and remedies. Threading of Machine- Other sewing tools - Needles, Pins, thimble, Ruler, Measuring tape, etc.
2. Basic hand Stitches - Basting (Even and Uneven) Hemming, Invisible Hemming Prick, Back, Half Back, Overhand, Herrungbone.
3. Basic Machine Stitches - Seams-Plain, Fell, Double Fell, Lap, French, Interlocking, Over locking, Pipping, Facing.
4. Different types of Placket opening - Continuous, 2 piece, Placket, Kurta and Zip.
5. Necklines - Necking necessity, stitches, trimming used for different shap, Finishing of neckline.
6. Collars - Types of collars, Selection of stiches, Precautions for different types of collars.
7. Sleeves - Types of sleeves, method of fabrication, precaution in fabrication.
8. Yokes and Pockets - Types and positioning of yokes and pockets, Precautions in stitching.
9. Darts Tucks and Pleats - Importance of darts, Tucks and pleats for proper fitting, their use in different garments, Precautions to be taken.
10. Lining and Inter lining - Necessity of lining and interlining, Methods of attaching with different types of garment, Matching of lining.
11. Cuffs - Precautions and necessity of fixing of cuffs.
12. Skirts - Types of skirts, methods of fabrication, Precaution in fabrication.
13. Importance of Fitting - Importance of fitting, Checking for fitting on figures, Alterations to be done for correct fitting.

## LIST OF PRACTICALS

1. Make a practical file with basic hand stitches, machine stitches, pleats, tucks, openings, pockets, cuffs, belt, darts, facing and piping.
2. Fabricate the following garments- Baby frock, Jump Suit, Boy's Shirt, Knickers, Skirts, Top, Saree blouse, Salwar Kameej, Churridar Payzama, Anarkali suit, Gents Kurta Pajama.

## 2.2 COMPUTER BASICS & CAD

L T P  
4 - 6

1. Computer principles and application - Basic trend in PC Technology, Memory organisation, Operating system - DOS, Window, Graphics, Internet and E-Mail
2. Drafting and pattern making using Reach Cad or any other latest similar software.
3. Fashion sketing amd Designing using Smart Sketch, MS Paint and Corel Draw.
4. Editing images useing Photoshop.
5. Scanning and modifying images.
6. Drawing basic design, stick figure, bodice block and flesh figures.

### 2.3 APPAREL INDUSTRY AND PRODUCTION MANAGEMENT

(Common with Three Year Diploma In Fashion Design & Garment Technology)

L T P  
6 - 4

Rationale :

A fashion technologist involved in dress making should have idea of market, ready made garments industry and its scope, strength and threats to it. He should be able to control the industry's managerial and technological aspects. The paper aim to fulfill this objective.

#### TOPIC WISE DISTRIBUTION OF PERIODS

Sl.No.	Units	Coverage Time		
		L	T	P
1.	Origin of Indian Apparel Industry	9	-	-
2.	Cutting Production Analysis	15	-	-
3.	Swing Production Management	15	-	-
4.	Finishing	12	-	-
5.	Cost & Cost Control	9	-	-
6.	Quality Control	9	-	-
7.	Competetion & Automation	9	-	-
8.	Factory visit	6	-	-
		84	-	56

#### 1) ORIGIN OF APPAREL INDUSTRY

- Strength, weakness, threats and opportunities to industry.
- Present status of industry.
- Types of manufacturing system -
  - \* Subcontract
  - \* Whole garment
  - \* Assembly

#### 2) CUTTING ROOM PLANNING:

Planning, cutting, sorting, conditions for cutting room layout, manpower, machines, tools and equipments.

Marker making, Marker mode.

Spreading Techniques,

Symmetry, assymetry of fabrics and garments.

Different types of fabrics and special care to be taken for

spreading and cutting, sorting, bundling.

Inventory Control.

Lab Sessions.

Project - cutting room analysis, cutting room layout, cut plans.

3) SEWING PRODUCTION MANAGEMENT:

- \* Stitch classifications, seams and their effect on elasticity, strength, slippage.
- Definition
- Time and motion study
- Importance of time and motion study
- Fatigue, delays, effect on efficiency
- Output
- Using video cassettes for time & motion study.
- For quality and quantity analysis
- Documentation, control forms
- Flow charts.
- Production control systems.
- Definition, types, criteria, planning and layout.

Lab Session : Study of lockstitch machine, quality inspection of stitches on different fabrics

Project : Layout for assembly line and different machine analysis

4) FINISHING

- Shaping
- Pressing, Processes, Equipments (Irons, Presses, others)
- Qualitative and quantitative analysis
- Control.
- Removal of different stains.

5) COST AND COST CONTROL

- Definition, types and expenses.
- Production cost control and cost reduction.
- Break even & charts.

6) QUALITY CONTROL

- Definition, scope.
- Establishing Raw material quality control and their procedure.
- Establishing processing quality control and their procedure.
- Quality control for finished garments.
- Quality control for packaging.

- Industry wide quality standards.
  - Standards and specifications, ISO inspection methods, different types of quality control
- 7) COMPETITION AND AUTOMATION FOR APPAREL MANUFACTURING
- Introduction, side by side we will see use of automation in the industry and its various aspects like cutting, sewing, finishing etc.
- 8) FACTORY VISIT



2.4 JEWELLERY AND FASHION ACCESSORIES  
(Common with Three Year Diploma Course in Fashion Design & Garment Tech.)

L T P  
- - 8

Rationale :

Changes in designs of apparel, jewellery and fashion accessories keep the fashion vibrant and dynamic. Their demand in society is always in unison with the pace of changes. Jewellery and fashion accessories and their designing are well established professions. Due use of computer in development of designs be emphasized.

Note :

Lecturer/Demonstration will go along with the practice in tutorial classes. Sufficient collections of designs drawing during the session is to be appreciated. Due use of computer in development of designs be emphasized.

TOPIC WISE DISTRIBUTION OF PERIODS

Sl.No.	Units	Coverage Time		
		L	T	P
1.	Basics	-	-	-
2.	Gems Identification	-	-	-
3.	Jewellery	-	-	-
4.	Fashion Accessories	-	-	-
5.	Style of fashion accessories	-	-	-
6.	Market Survey	-	-	-
		-	-	112

DETAILED CONTENTS

1. BASICS :  
Jewels- their shapes. Forms and types. Techniques. Creations. Inspiration. Elements - Studed gold, plain gold, and other metals.
2. GEMS IDENTIFICTION :  
Cuts, Sizes, shapes, using different identification techniques.
3. JEWELLARY : Accessories, styles and their creative uses.
4. FASHION ACCESSORIES :  
Fashion accessories and their creative uses Hats, Bags Shoes, Umbrellas, Bags, Purses, Wallets .

5. STYLES OF FASHION ACCESSORIES :

Styles and variation in Fashion accessories. Designing and orientation/various aspects of different fashion accessories. Materials used for Fashion Accessories, Suitability of fashion accessories according to figure type

6. Market surveys and Research for proper selection of accessories.

PRACTICALS

1. Preparation and collection of designs and their analysis.
2. Preparation of folder and presentation.
3. Prepare 2 articles of different types of accessories.
4. Prepare 5 sets of jewellery with 5 items using different Materials

## 2.5 PROJECT

L T P  
- - 8

Student will select the subject of their interest may be from Garment Fabrication or Textile Science or Sketching Any subject will undergo 2 weeks job training and prepared a project report.

STAFF STRUCTURE

Intake of the Course		60
Pattern of the Course		Semester Pattern
1. Principal	1	
2. H.O.D.	1	I Class 3 Years Diploma In Fashion Tech/Garment Tech./ Fashion Designing With 6 Yr. relevant experience.
3. Lecturer C.T.	1	
4. Lecturer Fine Arts	1	I Class Bachelor of Fine Arts
5. Lecturer Leather Garment Design & Technology	1	P.G. Diploma (L.G.D.& T.) OR 3 Yr. Diploma In Footwear and Leather Goods with 5 Yr. Experience or I Class B.Tech. Leather
6. Lecturer Garment Manufacturing Technology	1	P. G. Diploma (G.M.T./F.D.) OR 3 Yr. Diploma In Fashion Tech./Garment Tech./Fashion Design and 5 Yr. Experience
7. Lecturer Knitwear Design & Technology	1	P.G. Diploma ( K.W.D. & T.)
8. Lecturer Embroidary & Dress Making	1	M.A. Home Science with Embroidery & Dress Making OR P.G. Diploma In Embroidery with 3 Yrs. relevant Experience
9. Lecturer Textile	1	I Class B.Tech. (Textile Chemistry/Textile Tech.)
10. Computer Programmer	1	
11. Steno Typist	1	
12. Accountant/Cashier	1	
13. Student/Library Clerk	1	
14. Store Keeper	1	
15. Class IV	8	
As lab/shop attendents and other works		
16. Sweeper		Part time as per requirement
17. Chaukidar & Mali		as per justification

Note :

1. Services of other discipline staff of the Institute may be utilized if possible
2. Qualifications of Staff : as per service rule
3. The post of "Computer Programmer" is not needed in the institutions where diploma in "Electronics Engineering" is running.

Suggestions:

(a) The teaching staff- Lecturers onwards are to be from Fashion Designing/ Garment Technology fields with suitable experience & qalifications.

(b) For the Textile subjects & Knitting, the Textile Technologists can attend.

(c) For computers Computer personnels may be engaged.

10. SPACE REQUIREMENT

A.	TOTAL LAND AREA	NO	M2
B.	Administrative Block		
1.	Principal's Room	1	30 m2
2.	Steno Room	1	6 "
3.	Confidential Room	1	10 "
4.	Office Room	1	80 "
5.	Library (Comman with other disciplines)	1	150 "
6.	Common Room	1	80 "
7.	Class Rooms	1	75 "
8.	Store	1	100 "
9.	Model room	1	90 "
C.	Laboratories / Workshops		
a)	Costume Design & Fabrication Drafting & Pattern layout shop @ 8 sq.m. per student	1	120 "
b)	Textile Fabrics dying & Printing house @ 8 sq.m. per student	1	120 "
c)	Basic design/Design Ideas room 2 x 60 @ 8 sq.m. per student	1	120 "
d)	Fashion & Illustration & Model room (Drawing hall) @ 8 sq.m. per student	1	120 "
e)	Fabrication shop @ 8 sq.m. per student	1	120 "
f)	Computer Lab (Air Conditioned, glass partition and special type PVC flooring and false ceiling.		60 "
g)	Embroidery and Knitting shop	1	120 "
D.	Common Facilities		
1.	Dispensary	1	40 "
2.	Canteen & Tuck shop	1	50 "
3.	Parking space/ Cycle stand with Garrage	1	50 % students 200 "
4.	N.C.C. Block	1	70 "

5.	Guest Room	1	30 "
E. Residential Facilities			
1.	Hostel for Students	1	for 60 girls
2.	Staff Quarters		
	Principal	1	Type IV
	HOD/Warden	2	Type IV
	Sr. Lect./Lect.	2	Type IV
	Technical/ Ministerial Staff	2	Type II
	Class IV	6	Type I
3.	Play ground (Comman with other disciplines)	1	-

11. LIST OF EQUIPMENTS

TEXTILE FABRICS (DYEING & PRINTING HOUSE)

S.No.	Name of Equipment	No.	@ Rs.	Amt.in Rs.
1.	Dye Bath For Experimental Work	10	500	5000
2.	Spray, Block and Screen Systems of Printing	10 Set	1000	10000
3.	Spray Printing Machine With Compressor	1	450000	450000
4.	Electrically Operated Lab Stirrers			
A.	Fixed Type	10	15000	15000
B.	Movable Type	10	15000	15000
5.	Lab Model of Hank Dyeing Machine	05	5000	25000

NOTE:

1. Indian make working laboratory models for the costly equipment be purchased if available.
2. For facilities not available in the lab, frequent industrial visits for demonstration recommended

LIST OF EQUIPMENTS

S.No.	Specification of Equipment	Quantity.	Cost
Pattern Making/Fabrication			
1.	Drafting Tables 1 X 1.5 Meters	30	300,000.00
2.	Stools	60	50000.00
3.	Thimble	60	6000.00
4.	Pressing Board	15	15000.00
5.	Dressing Mirror 4.5' X 1.5' (with frame & stand)	10	10000.00
6.	Squares Art, Plastic	30	5000.00
7.	Hangers General	12 Doz.	5000.00
8.	Hangers Wooden	30	4000.00
9.	L Squares 12" X 24" (Plastic, Celluloid)	30	10000.00
10.	Long Scale of 1 meter	30	3000.00
11.	Seam Openers	30	3000.00
12.	Shapers for upper and lower garments	60	10000.00
13.	Pressing Table different shapes & plain	30	100000.00
14.	Spray Gun (For removal of stains)	10	100000.00
15.	Electric Cutter	4	32000.00
16.	Electric Iron Press (automatic)	10	15000.00
17.	Dummies  (Ladies,Gents & Children) Upper and Lower Sizes	30	300000.00
18.	Iron Press heavy	4	4000.00
19.	Steam press	4	10000.00
20.	Scissors 9", 10",11" (20+20+20)	60	10000.00
21.	Button hole scissors 8"	4	600.00
22.	Trimming Scissors 8"	4	500.00
23.	Picking Scissors 10"	4	500.00
24.	Display Board 6' x 4'	10	15000.00
25.	Pico machine	4	20000.00
26.	Interlocking Machine	4	20000.00
27.	Straight Knife Machine	4	120000.00
28.	Round Knife Machine	4	100000.00
29.	Misc Equipments. ( viz Measuring Tapes, Tracing Wheels etc.)	Lump Sum	25000.00
DRAWING HALL			
1.	Drawing Table With Board	60	4,80,000.00
2.	Set Squares	60	12,000.00
3.	Misc Equipments.	Lump sum	50,000.00



COMPUTER & CAD CENTRE

S.No.	DESCRIPTION	QTY.	APPROX. COST (in Rs.)
1.	Core-2 Quad Processor, 4GB RAM 1 GB SATA HDD, 19" TFT Mointor OS-Windows 2007/2008/Latest Version	02 Server	1,20,000=00
2.	General Desktop Computer-Intel i5 60 node or Higher, 2GB RAM, 320 GB SATA HDD, 17" TFT/LCD/LED Monitor, DVD Wirter Multi Media Kit with Key Board- Multimedia, Mouse- Optical Scrool or Latest, 32 Bit PCI ETHERNET CARD (10/100) Mbps, Internet Modem, Pen Drive 16 GB, Pre loaded latest Anti Virus with Life time Subscription, Licence Media and Manual with UPS 660 VA OR Computer of latest Specification		36,00,000=00
3.	Software :		
	i. MS OFFICE 2010		LS LS
	ii. COMPILER 0 'C', C++, JAVA-7		LS LS
	iii. Adobe Photoshop, Corel Draw -Graphic Suite Corel Draw- Technical Suite, Adobe Photo Shop, Lectra, Reach, PPS, Reach CADD, Tukatech, Deco Studio		LS LS
	iv. Personal Web Server, HTML, IIS		LS LS
4.	Hardware		4,50,000.00 LS
	i. Switch-32 Port	02	
	ii. Router	02	
	iii.Hub	04(8 Port)	
	iv. Ext. Modem	02	
	v. Wireless N/W Adaptor	02	
	vi. Series Access Point	02	
	vii.LAN Cable Meter	05	
	viii. LAN Cable Analyzer	05	
	ix. Crimping Tool and all other accessories related to Networking	15	
5.	Scanner- Flat Bed A4/Auto Lighter (Bit depth 48)	02	20,000
6.	132 Column 600 CPS or faster 9 Pin dot matrix printer with 500 million character head life	02	50,000
7.	Laser Jet-A4 All In one 20 page per min (2 Each)	04	50,000

8.	Desk Jet-A4 Photo Smart (2 Each)	04	40,000
9.	5 KVA on line UPS with minimum 30 minute battery backup along with sealed maintenance free batteries. Provision for connecting external batteries with network connectivity.(For 2 Labs)	04	8,00000
10.	Split Air Conditioner 1.5 tones capctity with ISI mark alongwith electronic voltage stablizer with over viltage and time delay circuit	08	35,0000
11.	Room preparation and furniture	LS	
12.	19" rack, 24-port switch. connector RJ-45 Cat-6 cabling for network	LS	10,0000
13.	2 KVA Inverter Cum UPS	02	6,0000
14.	Fire Extinguisher (2 Kg.)	04	15000
15.	Fire Extinguisher (5 Kg.)	04	25000
16.	Vaccum Cleaner	02	25000
17.	LCD Projector 3000 Lument with all accessories	02	350000
18.	Pen Drive 16 GB	10	10000
19.	DVD Writer External	02	10000
20.	HDD External 500 GB	02	15000
21.	PAD (Latest Configuration)	02	15000
22.	Boardband For Internet(Speed Min. 8mbps)	04	LS
23.	USB Modem	02	8000
24.	Generator 15 KVA Water Coolent	01	450000

EMBROIDERY AND KNITTING SHOP

Sl.No.	Name of Equipment	Qty Regd.	Unit Cost
1.	Frame Different Size (6", 9",10", 1 steel 1 plastic)	60	12,000.00
2.	Salma Adda (4'x3'15', 3'x2'x1.5')	30	12,000.00
3.	Zig Zag Embroidery sewing Machine Model - Motorised	15	300,000.00
4.	Sewing machine Traddle	30	240,000.00
5.	Stools	60	60,000.00
6.	Electric Iron automatic	10	15,000.00
7.	Flat Bed Knitting Machine	5	100,000.00
8.	Embroidery Scissors 4" plate and pointed	30	5,000.00
9.	Embroidery scissors 9"	10	2000.00
10.	Iron Table 5'x3'x2'	10	10,000.00
11.	Sewing machine for stitching of knitted Fabric/Industrial Machine	5	250,000.00
12.	Automatic Multipurpose Sewing Machine For Embroidery (Built-In Stitch Patterns, Stitch Functions, 4 step button holer, Piccot and Stretch Stitch Free Arm for Circular Stitching, Top Drop-In Bobbin, Snap-On Presser Feet, Variable Needle Position, Adjustable Stitch Length & Width, Easy Pattern Selection with Dial, Built-In Thread Cutter In Presser Bar, Built in Motor Accessory Storage In Extension Table)	15	450,000.00
13.	Lockstitch Machine	5	25,000.00
14.	Button Stitch & Button Hole (4 M/C each)	8	8,00,000.00
15.	Hand Charkha for Winding	5	35,000.00
16.	Leather Garment Stitching Machine	5	1,50,000.00
17.	Misc ( small equipments & latest Machinery )	Lump sum	2,00,000.00

NOTE :

Comparatively cheap but reliable equivalent Indian make be preferred, if available.

12. BIBLIOGRAPHY OF BOOKS

Name of Book	Author	Publisher	Cost
1. Drawing & Designing Mens Wear	Patric John Ireland	B.T. Bostford Ltd Landon, Fizehreling Street.	
2. Fashion Extras:	Marshall Cavendish	Marshall Cavendish Books Ltd. London Street.	95.00
3. Jasmine Arts	Designer Sharad Pd.	98-Ghadiol Gully M.J.Market, Bombay	95.00
4. The Book of looks	Lorraine Johnson	Michoel Joseph Ltd. 44 Bedford Square, London	391.00
5. Lady Fashion	Thiama Distributor	Printed in Japan E.D. Galgohia & Sons	72.00

DRAFTING & PATTERN MAKING

1. Encyclopedia of Dress Making.	Marshall Cavendish	Marshall Cavendish Books Ltd. 58 Old Cambton Street.	391.00
2. Basic Fashion Wordrobe	Pamelalee	Singer Co., (U.K.) Ltd.	70.00
3. Dress Making	Ronkelty Terry Evon	Himalayan Publishing Group LTD. Landon	138.00

COSTUME FABRICATION

1. Cross Stitch Design	Ondori (Collection)	Ondori Japan Publication	180.00
2. A mannual of Children Clothing	Savita Pandit	Orient Longmans Ltd., Bombay	7.50
3. Newlook	Darshan	Jasmine, 98-ghadial Gully, M.J. Market Bombay	60.00
4. Embroidery	Meena Srivastava	Hind Pocket Books	10.50
5. Hobby Craft Series	Collective Matter	E.D.Galgohia & SMS 17-B Cannaught Place New Delhi	45.00
6. Soft Toys	Sheela Nair	Hind Pocket Books	

7.	Tiny	Mukesh Mistry (Photos) Vinay Chikedikar	Beau & Belle Creation	50.00
8.	Children's Clothes	Designer Robbylee Phelan	Australian Consoli- dated Press	85.00
9.	Patch Work	By the editor	Ray Ramsay Book Division	65.00
10.	Embroidery & Cross Stitch	Onderi	Printed in Japan E.D. Galgohia & Sons	79.00
11.	Lovely Cross Stitch	Yal Makamura	Nihon Vogue	67.00
12.	Needle Point Letters	Donna Redy	Dubledery Company	137.00
13.	Pettes Toilettes.		Publications Hundial Apartade	35.00
14.	Hundred Designs Pin & Thread	Raymond	Associated Territories Actopus Book	114.00
15.	Embriodery for Engineers	Onderi	Onderi	67.00
16.	Embriodery Pattern	Onderi	Onderi	90.00
17.	Women's Fashion Doriwork Special	Fashion	Landeris Press	60.00
18.	Veema	Vijay Trading	Dilkush Joshi bombay	100.00
19.	Veema Creations	Vijay Trading	Dilkush Joshi Bombay	80.00
20.	Kid Special Fashion	Variety Book	variery Book, N. Delhi	120.00
21.	Women's Fashion	Veema & creation	Pioneer Books, bombay	60.00

BUSINESS MANAGEMENT

1.	Marketing Management (Business Administration)	Philip Kotler		75.00
2.	Mass Communication and Journalism in India (Business Administration)	D.S.Mehtab	Allied Publisher	30.00
3.	Advertising	James S. Narris	Meinemannl London	95.00
4.	Theory and Practice of Business Correspondence (Communication Skill)	B. Singh	H.P.J. Kapoor	35.00
5.	Foundation of Advertising Theory (Business Administration)	Chuna Walla Sethia	Himalaya Publisher House	60.00
6.	Management Made Simple	Frank Jefkins	-do-	25.00
7.	Advertising Made Simple	G.K. Puri	I.M.S. Publication	30.00
8.	Public relation for all (Business Administration)	G.K. Puri	Rupa and Cen.	25.00
9.	Marketing research (Business Administration)	Boyd Wartfall	Richerd Press	75.00
10.	Public Relation for all (Business Administration)	G.K.Puri	Gopal K. Puri	30.00
11.	Hand Book of Public (Business Administration)	D.S. Mehta	Allied Publisher	75.00
12.	Advertising Management (Business Administration)	David A.A. Aaker	Prentice hall of India.	30.00

COMMUNICATION TECHNIQUE

1.	A Practical English Grammar ICS	A.J. Thomas	Exford University Press	27.00
2.	A Practical English Grammar II (CS)	A.J. Thomas	-do-	27.00
3.	High School English and Composition	Wren And Martine	Dethichand and Co	30.00
4.	Effective Communication (CS)	E.C. Eyre	Rupma and Co.	30.00
5.	30 Days better English (CS)	Dr. Wilfered Fremk	Pocket Book	30.00
6.	30 Days better English (More powrful) (CS)	Norman Lewis	Junior Publication	30.00

MAGAZINES FOR REFERENCE

1. Elle
2. Vogue
3. Cosmopolitin
4. Simplicity
5. Cladrag
6. Glamour
7. Discover India
8. Lady Fashion
9. Flair
10. Trends
11. Teenager
12. Book of Look
13. Ancient Indian costomer (History of Fahsion)  
Author Rashon Alkaz. Pres  
Publisher : Rajinder Paul Press  
New Delhi.
14. Visual Designs : (Basic Design)
15. Classic India Textiles
16. Classic India Handicrafts

13. LEARNING RESOURCE MATERIAL:

XV. LEARNING RESOURCE EQUIPMENT

1.	LCD Projector with Screen	1	--	20000
2.	Handicam	1	--	30000
3.	Cutting, Binding & Stitching equipment.	1	--	30000
4.	Desk Top Computer with Internet Core i5/i7- 760, Processor, Genuine Windiw 7, Professional 18 inch HD, Flat Panel Monitor Optical Mouse, Key Board & all related media or latest version	1	--	40000
5.	Home Theater Support Disc type CD. CDR/CDRW DVDR/DVDRW, VCD Supported with USB Port Support-DIVX/JPEG/MP3	1	--	25000
6.	Commerical P A System 16 W-220W output, AC & 24V DC Operated, 5 Mic. & 2 Auxilary input, Speaker output 4 Ohm, 8 Ohm, 17 V & 100 V	1	--	20000
7.	Interactive Board	1	--	50000

ote :

1. This center will be only one at the institute level irrespective of all branches.



ANNEXURE - III

INSTITUTE OF RESEARCH, DEVELOPMENT AND TRAINING U.P. KANPUR - 208024

SUBJECT: Questionnaire for ascertaining the job potential and activities of diplomaholder in Fashion Designing.

PURPOSE: To design and develop diploma curriculum in Fashion Designing.

NOTE: 1. Please answer the questions to the points given in the questionnaire.  
2. Any other point or suggestion not covered in this questionnaire may be written on a separate paper and enclosed with the questionnaire.

1. Name of the organisation: \_\_\_\_\_  
\_\_\_\_\_

2. Name & Designation of the officer \_\_\_\_\_  
filling the questionnaire \_\_\_\_\_

3. Name of the department/section/ \_\_\_\_\_  
shop \_\_\_\_\_

4. Important functions of the \_\_\_\_\_  
department/section/shop \_\_\_\_\_

5. Number of diploma holder employees \_\_\_\_\_  
under your charge in the area of Fashion Designing.

6. Please give names of modern equipments/machines handled by a diploma holder in Fashion Designing in your organisation.

- |    |    |    |
|----|----|----|
| 1. | 2. | 3. |
| 4. | 5. | 6. |

7. What proficiencies are expected from a diploma holder in Fashion Designing.

- |    |    |    |
|----|----|----|
| 1. | 2. | 3. |
| 4. | 5. | 6. |

8. Mention the approximate percentage of the following desired in Diploma teaching.

- |                          |        |
|--------------------------|--------|
| 1. Theoretical knowledge | -----% |
| 2. Practical knowledge   | -----% |
| 3. Skill Development     | -----% |

9. Do you think " on the job training" / Industrial training

should form a part of curriculum. ( Yes/ No)  
 if yes then  
 (a) Duration of training -----  
 (b) Mode of training 1. Spread over different semesters  
 2. After completion of course  
 3. Any other mode

10. What mode of recruitment is followed by your organisation.

1. Academic merit
2. Written test
3. Group discussion
4. Interview
5. On the job test.

11. Mention the capabilities/ Qualities looked for while recruiting diploma holder in Fashion Designing.

- |  |       |
|--|-------|
| (a) Technical knowledge                | ----- |
| (b) Practical skill                    | ----- |
| (c) Etiquettes and behaviour           | ----- |
| (d) Aptitude                           | ----- |
| (e) Health habit and social background | ----- |
| (f) Institution where trained          | ----- |

12. Does your organisation have any system for the survey of beauty trends of different countries/States. Yes/No

13. Does your organisation conducts field survey to know users views regarding. Yes/No

1. Fashion trends for different age groups and sex.
2. Effect of climatic conditions
3. Any other  
If yes ; please give brief account of each.

14. Which type of assignment do you suggest for an entrepreneur in Fashion Designing.

15. In which types of organisations can a diploma holder in Fashion Designing get employment.

- |   |   |   |
|---|---|---|
| 1 | 2 | 3 |
| 4 | 5 | 6 |

16. Job prospects for the diploma holder in Fashion Designing the next ten years in the state / country.

17. In your opinion what should be the subjects to be taught to a diploma student in Fashion Designing.

Theory	Practical
--------	-----------

18. Kindly mention particulars regarding topics/areas which should be given more emphasis in the curriculum .

Theory

Practical

19. Kindly state whether your organisation can contribute towards improvement of curriculum in above field. Yes/ No

If yes : Please give names of experts in your organisation to whom contact.

20. Kindly give your valuable suggestions for being considered at the time of finalisation of curriculum.

21. What changes in technologies or to be incorporated in the development of curriculum on Fashion Designing.

( Signature )

Kindly mail the above questionnaire duly filled to:-

Dr. KSHAMA MISHRA  
ASSISTANT Professor  
Institute of Research, Development & Training, U.P.  
Govt. Polytechnic Campus  
Kanpur-208024

( Please note that all information in this survey is confidential for the use of curriculum design only )