

PONDICHERRY UNIVERSITY



SYLLABUS & COURSE FRAMEWORK

BACHELOR OF VOCATIONAL DEGREE

IN

FASHION TECHNOLOGY

Revised (2022-23)

PONDICHERRY UNIVERSITY

B.Voc. FASHION TECHNOLOGY (Vocational)

(For the students admitted during the academic year 2022 onwards)

NSFQ Level	Skill Component Credits	General Education Credits	Total Credits for Award	Normal Duration	Exit Point/ Awards	Job Role
4	18	12	30	One Semester	Certificate	1. Designer Assistant 2. Production Assistant
5	36	24	60	Two Semesters	Diploma	1. Pattern Maker 2. Textile Designer 3. Cutting Master
6	72	48	120	Four Semesters	Advanced Diploma	1. Quality Controller 2. Fashion Merchandiser 3. Textile Tester
7	108	72	180	Six Semesters	B.Voc. Degree	1. Fashion Designer 2. Visual Merchandiser 3. Fashion Entrepreneur 4. Fashion Consultant

REGULATION AND CURRICULUM FOR THE BACHELOR OF VOCATIONAL DEGREE COURSE IN FASHION TECHNOLOGY

1. Title of the course: B. Voc. Fashion Technology

2. Eligibility for admission:

- A candidate seeking admission to the Bachelor of Vocational Degree Courses in Fashion Technology shall have passed higher secondary examination (10+2) or equivalent.

3. Sanctioned student's strength: 56 Students

4. Course Significance:

- B.Voc program in Fashion Technology aims to create graduates with core technical skills and knowledge required for Fashion garment industry. The program structured to provide intensive practical skills in the area of Fabric quality evaluation, Fabric value addition, Pattern and garment making, merchandising and retailing. The course will develop students the ability to develop designs and making of apparels according to the buyer's requirements in the industries.

5. Course objectives:

- To develop professional competency and employable skills of the students required for fashion garment industries in the field of Fashion designing, Garment manufacturing etc.
- To develop the creativity of students for developing new designs according to the trend and market requirements.
- To provide the Fashion business skills such as merchandising, Buyer communication, fashion retailing for successful handling of customers.

6. Duration of the course:

- The duration of the course shall be three years with semester pattern.

7. Medium of instruction:

- The medium of instruction and examination shall be in English.

8. Attendance:

- Every candidate should have attended at least 80% (compulsory) of the total number of classes conducted in an academic year from the date of commencement of the term to the last working day notified by University in each of the subjects prescribed for that year, separately in theory and practical. Only such candidates are eligible to appear for the University examinations.

9. Course implementation:

- General education component of the curriculum would be imparted in Pondicherry University Mahe Centre and skill training by SKP (Skill Knowledge Providers) such as Quality Controller, Fashion Merchandiser, and Fashion designer of the Apparel sectors.
- A log book would be maintained for students with SKP's and continuous assessment and end semester evaluation of skill would be done by SKP
- Only the necessary number of core faculties would be there in the Institution and the remaining would be drawn as Guest Faculties from skill sectors and people with experience and expertise in the specific vocational skills.
- The expenses in connection with job training, educational tour, field visits etc. if any should be borne by the candidates.

10. Schedule of Examination:

- The University shall conduct examinations semester wise as notified by the University from time to time. A candidate who satisfies the requirement of attendance, progress and conduct as stipulated by the University shall be eligible to appear for the University examination.

11. Conducting Examination:

Theory Exams: Pondicherry University for General and Vocational papers.

Practical Exams:

- English and Computer exams: Pondicherry University
- All other papers (general as well as vocational periodic assessment and end semester exams) are conducted by Skill Knowledge Providers (SKP) or trainers and marks shall be submitted in sealed covers (in duplicates) to Mahe Centre. This will be forwarded to Pondicherry University from Mahe Centre
- Moreover a certificate from the SKP / HOD / INSTITUTION shall be issued to each student at the end of each semester on the job training imparted in the respective institutions, giving the assessment of Skill performance of the candidate as grade marks.

Note: Remuneration as per University norms shall be given to SKP for conducting practical exam for Vocational & General education paper.

12. Declaration of Class:

- A candidate having appeared in all the subjects in the same examination and passed that examination in the first attempt and secured 75% of marks or more of grand total marks prescribed will be declared to have passed the examination with Distinction.
- A candidate having appeared in all the subjects in the same examination and passed that examination in the first attempt and secured 65% of marks or more but less than 75% of grand total marks prescribed will be declared to have passed the examination in the First Class.
- A candidate having appeared in all the subjects in the same examination and passes that examination in the first attempt and secured 50% of marks or more but less than 65% of grand total marks prescribed will be declared to have passed the examination in the Second Class.
- A candidate passing the University examination in more than one attempt shall be placed in Pass category irrespective of the percentage of marks secured by him/her in the examination.

[Please note fraction of marks should not be rounded off. Clause (a), (b) and (c)]

Scheme of syllabus and Examination Pattern

Sl. No.	Study Components Course Title		Component	Hours	Examination		Credit
				Hrs (hours in a week)	CIA	Marks	
I.		Semester I					
1.	AECC – 1	Effective Communication Skills	G	5	40	60	4
2.	DSC – 1	Basics of Pattern Making	V	5	40	60	5
3.	DSC – 2	Basics of Textiles	V	5	40	60	5
4.	AECC – 2	Introduction to Computers	G	5	40	60	5
5.	SEC – 1	Basics of Apparel Construction Lab I	V	3	50	50	3
6.	AECC – 3	Computer Lab	V	2	50	50	2
7.	SEC – 2	Fashion Illustration Lab	V	3	50	50	3
8.	DSE – 1	Communication Lab	G	2	50	50	3
II.		Semester II					
1.	ENGL	English	G	5	40	60	5
2.	FRN	French	G	5	40	60	5
3.	DSC – 3	Fabric Technology	V	5	40	60	5
4.	DSC – 4	Apparel Machinery and Equipments	V	5	40	60	5
5.	SEC – 3	Basics of Apparel Construction Lab II	V	3	50	50	3
6.	DSC – 5	Fabric Analysis Lab	V	2	50	50	2
7.	DSC – 6	Pattern making and Grading Lab	V	3	50	50	2
8.	AECC -4	Environmental studies	G	2	40	60	3
III.		Semester III					
1.	DSC – 7	Textile Wet Processing	V	5	40	60	5
2.	DSE – 2	Fashion Marketing and Merchandising	G	5	40	60	5
3.	DSC - 8	Design Concepts and Methodology	V	5	40	60	5
4.	DSE – 3	Organizational Behaviour	G	5	40	60	5
5.	DSC – 9	Textile Wet Processing Lab	V	2	50	50	2
6.	DSC – 10	Design Concepts Lab	V	2	50	50	2
7.	SEC – 4	Surface ornamentation Lab	V	3	50	50	3
8.	SEC – 5	Fashion Illustration and Children Wear Lab	V	3	50	50	3

IV.		Semester IV					
1.	DSE – 4	Apparel Marketing and Management	G	5	40	60	5
2.	DSC – 11	Textile Testing and Quality Control	G	5	40	60	5
3.	DSC – 12	History of Costumes	V	5	40	60	5
4.	DSE – 5	Computer Application in Garment Industry	V	4	40	60	4
5.	DSC – 13	Textile Testing Lab	G	2	50	50	2
6.	SEC – 11	Fashion Accessories Lab	V	2	50	50	2
7.	DSC – 14	Pattern making, Garment Construction, Child Wear Lab	V	3	50	50	2
8.	DSE – 6	CAD Lab I	V	2	50	50	2
9.	AECC – 5	Value Education	G	2	40	60	3
V.		Semester V					
1.	DSC – 15	Garment Clothing Care	G	5	40	60	5
2.	DSE – 7	Apparel Quality Management	G	5	40	60	5
3.	DSC – 16	Visual Merchandising	G	5	40	60	5
4.	DSE – 8	Apparel Costing and Export Documentation	V	5	40	60	5
5.	DSC – 17	Pattern making, Garment Construction, Adult Wear Lab	V	3	50	50	5
6.	SEC – 7	Design Collections Lab	V	3	50	50	5
7.	DSC – 18	CAD Lab II	V	2	50	50	2
8.	DSC – 19	Fashion Draping Lab	V	2	50	50	5
VI.		Semester VI					
1.	DSE – 9	Entrepreneurship Development	G	5	40	60	4
2.	DSE – 10	Event Management	G	6	40	60	5
3.	DSE – 11	Home Furnishing Lab	V	4	50	50	3
4.	DSC – 20	Project and Viva Voce	V	-	50	100	5
5.	DSC – 21	Internship	V	-	100	50	6

DSC – Discipline Specific Course -21

DSE – Discipline Specific Elective -11

SEC – Skill Enhancement Course -7

AECC – Ability Enhancement Compulsory Course -5

SYLLABUS CONTENTS

FASHION TECHNOLOGY

(Bachelor of Vocational Degree Course)

Semester: I

SL.NO	Subjects	Credits
1	Effective Communication Skills	4
2	Basics of Pattern Making	5
3	Basics of Textiles	5
4	Introduction to Computers	5
5	Basics of Apparel Construction Lab I	3
6	Computer Lab	2
7	Fashion Illustration Lab	3
8	Communication Lab	3

Semester: II

SL.NO	Subjects	Credits
1	English	5
2	French	5
3	Fabric Technology	5
4	Apparel Machinery and Equipments	5
5	Basics of Apparel Construction Lab II	3
6	Fabric Analysis Lab	2
7	Pattern making and Grading Lab	2
8	Environmental studies	3

Semester: III

SL.NO	Subjects	Credits
1	Textile Wet Processing	5
2	Fashion Marketing and Merchandising	5
3	Design Concepts and Methodology	5
4	Organizational Behaviour	5
5	Textile Wet Processing Lab	2
6	Design Concepts Lab	2
7	Surface ornamentation Lab	3
8	Fashion Illustration and Children Wear Lab	3

Semester: IV

SL.NO	Subjects	Credits
1	Apparel Marketing and Management	5
2	Textile Testing and Quality Control	5
3	History of Costumes	5
4	Computer Application in Garment Industry	4
5	Textile Testing Lab	2
6	Fashion Accessories Lab	2
7	Pattern making, Garment Construction, Children Wear Lab	2
8	CAD Lab I	2
9	Value Education	3

Semester: V

SL.NO	Subjects	Credits
1	Garment Clothing Care	5
2	Apparel Quality Management	5
3	Visual Merchandising	5
4	Apparel Costing and Export Documentation	5
5	Pattern making, Garment Construction, Adult Wear Lab	5
6	Design Collections Lab	5
7	CAD Lab II	2
8	Fashion Draping Lab	5

Semester: VI

SL.NO	Subjects	Credits
1	Entrepreneurship Development	4
2	Event Management	5
3	Home Furnishing Lab	3
4	Project and Viva Voce	5
5	Internship	6

SYLLABUS

Semester: I

1	Effective Communication Skill	CREDIT-4 TOTAL HOURS: 60
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Objectives:

To study the basic communication skills

Unit I:

Fundamentals of Language: Basic use of parts of Speech, Tenses, Articles, Modal verbs, Conditional sentences, verbs, phrasal verbs and idioms, word-building through suffix and prefix, compound words, for specific usage related to the situations.

Unit II:

Reading skills: Dealing with difficult vocabulary, Reading comprehensions, reading sub skills - skimming and scanning.

Unit III:

Sentence pattern and paragraph writing: Basic writing skills and conveying specific factual information using simple sentences of various patterns. Transformation of sentences, writing Introduction, welcoming, thanksgiving and conclusion.

Unit IV:

Effective Oral Communication: Oral reports, discussion, telephonic conversations, pronunciation, stress and intonation. British and American English, synonyms and antonyms, public speaking.

Unit V:

English for Job-search: Drafting covering letters and applications specific to a job. Difference between CV, Resume and Bio-data. Tips for Interview Success. Body Language. Mock Interviews for enhancing skills.

Reference Books:

1. Adair, John. *Effective Communication*. London: Pan Macmillan Ltd, 2003.
2. Ajmani, J. C. *Good English: Getting it Right*. New Delhi: Rupa Publications, 2012.

3. Amos, Julie Ann. *Handling Tough Job Interviews*. Mumbai: Jaico Publishing, 2004
4. Bonet, Diana. *The Business of Listening: Third Edition*. New Delhi: Viva Books, 2004.
5. *Business Communication Today*: Tenth Edition. New Jersey: Prentice Hall, 2010.
6. Brown, Michele & Gyles Brandreth. *How to Interview and be interviewed*. London: Sheldon Press, 1994.
7. Carnegie, Dale. *The Quick and Easy Way to Effective Speaking*. New York: Pocket Books, 1977. Collins, Patrick.
8. *Speak with Power and Confidence*. New York: Sterling, 2009.
9. Fensterheim, Herbert and Jean Baer. *Don't Say Yes When You Want To Say No*. New York: Dell, 1975

2	Basics of Pattern Making	CREDIT-5 TOTAL HOURS: 75
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Objectives:

To study the basic methods of making patterns and construction

Unit I:

Standardizing body measurements –importance, techniques used, preparing for measuring, ladies measurements, boys and men’s measurements. Relative length and girth measures in ladies / gentlemen.

Unit II:

Pattern making –method of pattern making – (Drafting and draping), merits and demerits. Types of paper patterns (Patterns for personal measurements and commercial patterns) Principles of pattern drafting. Pattern details, steps in drafting basic bodice front and back and sleeve. Pattern alteration – importance of altering patterns, general principles for pattern alteration. Flat pattern techniques.

Unit III:

Pattern grading –definition, types, manual –master grades, basic front, basic back basic sleeve, basic collar. Fitting-standards of fitting, fitting techniques, solving fitting problems. Draping – Importance of Draping – The Dress Form – Draping Steps for Basic Bodice

Unit IV:

Pattern layout- definition, purpose, rules in layout. Types of layouts- lay out for length wise stripped designs, fabric with bold design, asymmetric designs, and one way designs. Grain- types and importance. Fabric cutting, steps in preparing the samples for cutting.

Unit V:

Methods of dress making-Tailor and Construction. Stay stitching and Ease stitching. Transferring of Pattern Making, Various types of Garments.

Reference Books:

1. Steffani Lincecum, *Patternmaking for a Perfect Fit: Using the Rub-off Technique to Re-create and Redesign Your Favourite Fashions*
2. Helen Joseph - Armstro ,*Patternmaking for Fashion Design*
3. Lori A. Knowles, *Practical Guide to Patternmaking for Fashion Designers: Juniors, Misses and Women*
4. Donald H. Mc Cunn, *How to Make Sewing Patterns (Paperback)*
5. *Patternmaking: A Comprehensive Reference for Fashion Design*
6. Singh S.P, *Human Body Measurements: Concepts and Applications*
7. *Grading for Fashion Industry* by J.Patrick Taylor, M.Martin, Shobannational instuite of public co-operation, 1999.

3	Basics of Textiles	CREDIT-5 TOTAL HOURS: 75
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Objectives:

To study about textile fibres and basics of weaving

Unit I:

Introduction to the field of Textiles – major goals- classification of fibers – natural and chemical – primary and secondary characteristics of textile fibers.

Unit II:

Manufacturing process, properties and uses of natural fibres – cotton, jute, silk, wool, hair fibres, manmade fibres – viscose rayon, acetate rayon- nylon, polyester, and acrylic.

Unit III:

Spinning – definition, classification – chemical and mechanical spinning – blending, opening, cleaning, doubling, carding, combing, drawing, roving, spinning, Yarn – definition- classification – simple fancy yarns, sewing threads and its properties .

Unit IV:

Looms-Mechanism and types, Weaving technology- process sequence, Basic weaves- plain, twill, satin, fancy weaves – pile, double cloth, leno, swivel, lappet, dobby and jacquard

Unit V:

Non-woven fabrics- felting, fusing, bonding, lamination, netting, braiding and calico, tatting and Crocheting. Introduction to knitting - Definition of knitting - Knitting Terms and Functional Elements – Weft and Warp Knitting. Basic Machines and Fabrics Types of different knitting machines (flat, circular and computerized) Sequence of loop formation on warp and weft knitting machines. Properties of Knitted Structures

Reference Books:

1. Lesley Jackson, 20th Century *Pattern Design: Textile and Wallpaper Pioneers*
2. Marie O' Mahoney, *Advanced Textiles for Health and Wellbeing*
3. Laura Euler, *Arts and Crafts Embroidery*
4. Valerie D. Mendes, Frances Hinchcliffe, Ascher: *Fabric, Art, Fashion*

4	Introduction to Computer	CREDIT-5 TOTAL HOURS: 75
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Objectives:

To study about fundamentals of Computer

Unit I:

Introduction to computer, Input and Output Devices , System Software and Application

Software Computer Language, Compiler and Assembler

Unit II:

Basics of Word Processing Starting Word Program, Word Screen Layout, Typing Screen Objects, Managing Documents, Protecting and Finding Documents, Printing Documents, Formatting Documents Working with text, Formatting Text, Formatting Paragraphs, Bulleted and Numbered Lists, Copying and Moving Text, Spelling and Grammar, Page Formatting, Creating Tables, Mail Merge Types of document in Mail merge, Creating data Source, Creating Mailing Labels, Merging Data into Main Document

Unit III:

Basics of Spreadsheet Selecting, Adding and Renaming Worksheets, Modifying a Worksheet, Resizing Rows and Columns, Workbook Protection, Formatting Worksheets Formatting Toolbar, Formatting Cells, Formatting Rows and Columns, Formatting Worksheets Using Styles, Protect and Unprotect Worksheets, Formulas, Functions and Charts Formulas and Functions, Types of Charts, Auto Shapes and Smart art.

Unit IV:

Creating Presentation Creating Slides, Slide Sorter View, Changing Slide Layouts, Moving Between Slides

Unit V:

Introduction to Internet Getting Connected to Internet, Types of Internet Connections,

Internet Terminology, Understanding Internet Address , Computer Viruses and Security threats.

Reference Books:

1. Sanjay Sexena , *A First Course in Computers*
2. Balaguruswamy ,*Programming in ANSI C*
3. Brian W Kerighan and Dennis M Ritchie, *C Programming Language*

Objectives:

To study the basics of construction and to prepare samples

Exercise1:

Preparation of samples for seams (any 5)-Plain, Top Stitched, Flat fell, Welt, Slot, Lapped, French, Mantua makers, piped seam.

Exercise 2:

Preparation of samples for seam finishes (any 3) -overcast, Hem, Edge stitched, bound, Herring bone, Pinked

Exercise 3:

Preparation of samples for fullness-darts, tucks (any 3)-pin, cross, group tucking with scalloped effect, Pleats (any 3)-knife, box, kick, gathering by machine, elastic. Ruffles-single, double.

Exercise 4:

Preparation of samples for facing and binding-bias facing, shaped facing, decorative facing, binding.

Exercise 5:

Preparation of Samples for Binding Necklines (Bias, Shaped and Decorative)

Exercise 6:

Preparation of samples for plackets -One piece or Continuous Bound, Faced and Zipper plackets

Exercise 7:

Preparation of samples for fasteners - Button and Button hole, Hook and Eye, Press button, Fancy button

Exercise 8:

Preparation of samples for Pocket- Patch pocket, Welt Pocket, Side seam Pocket

Exercise 9:

Godets

Reference Books:

1. Nora Abousteit and Alison Kelly ,*The Burda Style Sewing Handbook*
2. Wendy Mullin, Sew U: *The Built by Wendy Guide to Making Your Own Wardrobe*
3. Wendy Mullin, Sew U *Home Stretch: The Built by Wendy Guide to Sewing Knit Fabrics*

6	Computer Lab	CREDIT-3 HOURS:45	TOTAL
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Objectives:

To familiarize with the basics of computer and word processing

Exercise 1:

Word processing,

Exercise 2:

Create presentation,

Exercise 3:

Design a visiting card

Exercise 4:

Design a postcard

Exercise 5:

Design a brochure

Reference Books:

1. Holly Poteet, *The Computer Lab Teacher's Survival Guide: K-6 Units for the Whole Year*, Second Edition 2nd Edition
2. Dennis Ritchie and Brian Kernighan, *The C Programming Language*
3. Kernighan and Pike, *The Practice of Programming*
4. Peter van der Linden, *Expert C Programming, Deep C Secrets*

7	Fashion Illustration Lab	CREDIT-3 TOTAL HOURS: 45
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Objectives:

To study the fundamentals of fashion illustration

Exercise 1:

Lines and line drawings – object drawing and perspective view drawings, enlarging and reducing motifs. Learning the usage of various drawing and sketching mediums- pencils, ink, charcoal, brushes, crayons, water colour and poster colours. Color rendering for the following fabrics: Denim, Satin, Velvet, Chiffon and Lace.-Introducing color rendering for the following: Solids, Prints, Checks, Stripes and Florals.

Exercise II:

Drawing basic croqui, stick figure (8,10, 12 head) for both normal and fashion figure. Forming a fleshy figure over a stick figure, Facial features – Eyes, nose, lips ears, Face ,hands, legs, hair styles– Different positions

Exercise III:

Dividing the figure into various parts using lines like plumb line, center front line, Princess line, waistline, side seam, armholes, jewel neckline, panty line, bust line etc., practicing the art of creating textures.

Exercise IV:

Construction Details: Necklines- square, round, scalloped, sweet heart, scoop, boat. Assymetrical Collars- Peter pan, mandarin, shirt, roll collar. Sleeves- plain, puff, leg o mutton, bishop, cap, bell, circular, kimono, raglan. Skirts- basic skirt, a line, layered, circular, godet, pants, coat. Fashion accessory drawings – bags, shoes, goggles, belts

Reference Books:

1. Ireland Patrick John, *Fashion Design Drawing &Presentation, Children, Men*
2. Ritu, *Fashion Design illustrations*
3. Julian Seaman, *Foundation in fashion design and illustration*
4. Zeshu Takamura, *Fashion Illustration Techniques: A Super Reference Book for Beginners.*

8	Communication Lab	CREDIT-3 TOTAL HOURS:45
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Objectives:

To develop interpersonal skills

Exercise1:

Conversation between two students recorded on camera. To be self critiqued

Exercise2:

Reporting on various types of radio programmes monitored by them

Exercise3:

Presentation on TV programmes watched on the previous day

Exercise4:

Rewriting Headlines of Newspapers (Hindi & English) on the display boards

Exercise5:

Reading of day's newspapers followed by discussions

Exercise6:

Writing exercises to inform, report and persuade

Exercise7:

Using microphones (Public Speaking/Presentation Situations)

Exercise8:

Interview and Group Discussion sessions

Exercise9:

Book Reading, Reviews, Appreciation

Exercise 10:

Effective Presentation using various audio – visual aids

Semester: II

1	English	CREDIT-5 TOTAL HOURS: 75
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Objectives:

To develop communication skills

Unit I:

Basic Communication Theory: Importance of Communication – Stages of communication, Modes of Communication – Barriers to Communication-Strategies for Effective Communication – Listening: Importance, Types, and Barriers –Developing Effective Listening Skills.

Unit II:

Comprehension and Analysis: Comprehension of Technical and Non-technical Material – Skimming, Scanning, Inferring-Note Making and extension of Vocabulary, Predicting and Responding to Context- Intensive Reading and Reviewing.

Unit III:

Writing: Effective Sentences, Cohesive Writing, Clarity and Conciseness in Writing – Introduction to Technical Writing – Better Paragraphs, Definitions, Practice in Summary Writing – Four modes of writing – Use of dictionaries, Indices, library References –Making Bibliographical Entries with Regard to Sources from Books, Journals, Internet etc.

Unit IV:

Business Writing/Correspondence: Report Writing – Memoranda – Notice– Instruction – Letters.

Unit V:

Oral Communication: – Presentation skills – Group Discussions – Dialogue Writing– Short Extempore – Debates-Role Plays-Conversation Practice.

Reference Books:

1. B. K. Das et al., Cambridge, *An introduction to Professional English and Soft Skills University Press* (Facilitated by BPUT)
2. Meenakshi Ramanand Sangeeta Sharma, *Oxford Publications Technical Communication: Principles and Practice*, Second Edition

3. M Ashraf Rizvi, The McGraw, *Effective Technical Communication Hill companies.*
4. Alan Pease, *Understanding Body Language*
5. Geoffrey Leech and Ian Svartik. *Communicative Grammar of English*
6. J.D. O'Connor *Better English Pronunciation.*

2	FRENCH	CREDIT-5 TOTAL HOURS: 75
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Objectives:

To study the basics of French

Manual: - Mantra – Méthode de Français – par K. Madanagopalan

Sl. No.	Leçon	Grammaire	Aspect Communicatif	Conjugation des Verbes	Vocabulaire
1	Les Salutations	Pronoms Sujets C'est, il est, elle est	1. Se Présenter 2. Saluer 3. Présenter quelqu'un	Etre, appeler, s'appeler	1. Les professions 2. Les Langues 3. Les nationalités 4. Les pays 5. Les nombres – 1 à 20
2.	Objets et personnages	Article défini et indéfini – adjectifs interrogatifs – usage de C'est, il y a	1. Interroger quelqu'un 2. Poser des Questions 3. Décrire quelqu'un	Verbes 1. Avoir 2. Verbes du premier groupe - aller	1. Les nombres (suite) – 21 à 60
3.	A quelle heure?	1. Article défini contracté avec à 2. Article défini contracté avec de	1. Demander l'heure 2. Indiquer l'heure 3. exprimer les goûts et les Preferences	verbes avec terminaison ir finir, grandir, choisir	1. jours de la semaine 2. Mois de l'année 3. Les saisons
4.	Les Vacances	1. Interrogation 2. Négation 3. Pronoms toniques	1. Exprimer une opinion 2. Poser des Questions	Verbes Penser, dire, croire	1. Expressions avec mots de quantité 2. Repondre une question
5.	La librairie cluny	1. L'adjectif possessif Etre á + noun/ pronom 2. on – adjectif indéfini	1. Donner son Pinion 2. Pour s'orienter 3. Préciser la Possession	Verbe Pouvoir – vouloir	Nombres 60 á 1000000
6.	Les monuments	1. Adjectif Démonstrative 2. Préposition chez	1. Expressions Pour Localizer	Verbes 1. Faire 2. Boire 3. Manger	1. Monuments français 2. Monuments indiens
7.	Weight Watchers	1. Passé composé – avoir , être - auxiliaire 2. Négatif, 3. Interrogative 4. Accord du participe Passé	Exprimer .. 1. Action Habituelle 2. Action Ponctuelle 3. la frequence d'une action	Verbes Irreguliers – venir – courir	1. Les mots de fréquence d'une action. 2. La liste des participes passés

		5. liste des verbes irréguliers et leurs participes passés			
8	Comment téléphoner	Adjectifs Qualificatifs	Dialogue par téléphone	Verbe en re 1.prendre 2.répondre 3.attendre 4.entendre	Le numéro de téléphone – les mots reliés à la communication
9	Un voyage	Pronom relatif – qui, que, où.	1.Emploi des mots D’abord, puis, ensuite, après, enfin 2.exprimer la fréquence toujours, souvent, quelque – fois, jamais. 3.exprimer la continuité – encore - ne.... plus	Verbe Partir, dormir, sortir	1.Succession Des événements 2.Le temps qu’il Fait
10	Emploi	1.Futur – la formation et L’usage 2.Verbes impersonnels - Pleuvoir, falloir, faire chaud/froid	Exprimer une action qui aura lieu dans le futur	Verbes: Parler, finir, prendre, être, avoir, recevoir (au futur)	Le temps qu’il fait
11	La Mode	1. Les Vêtements 2.Les Sous Vêtements 3. Les Chaussures 4.Acheter un Vêtement			

Reference Book:

1. Lesson 11 - Vocabulaire progressif du Français (CLE International)
2. Manuel : - Mantra – Méthode de Français – par K. Madanagopalan

3	FABRIC TECHNOLOGY	CREDIT-5 TOTAL HOURS: 75
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Objectives:

To study about woven fabric and structure

Unit I:

Basic Weaves and Derivatives Basic Weaves-Plain weave, Twill weave and Satin weave

Unit II:

Ordinary and brighten honey comb, its modification, huck a back and its modifications, crepe weaves, mock leno.

Unit III:

Extra warp and extra weft figuring – single and two colours, planting, backed fabric, warp and weft backed fabrics.

Unit IV:

Pile fabric – Formation of pile – weft pile – plain back, twill back – length, density and fastness of pile – corduroy weft plush. Warp pile – Terry pile, with the aid of wires, face to face warp pile.

Unit V:

Double cloth –classification, self-stitched – face to back, back to face, both. Centre stitched – warp and weft. Interchanging double cloth. Knitted Fabric Formation, Terms and definitions of Knitting, Symbolic Representation knits. Properties of Single Jersey, rib and Interlock.

Reference Books:

1. Melling K. G., *From Screen to Machine: Profitability by Design*, Textile World, 1998
2. Broughton R. M. Brady P. H., *Fiber forming Polymers in Wellington Sears Handbook of Industrial Textiles*, 1995
3. Fulmer, T. D. *World Class Textile Manufacturing*, ATI, 1990
4. Mohammed M H. *The Word in Weaving at ITMA: Automation*, ATI, 1991

4	APPAREL MACHINERY & EQUIPMENT'S	CREDIT-5 TOTAL HOURS:75
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Objectives:

To familiarize with basic machinery used for apparel production

Unit I:

Sewing Machineries- Classification of sewing machines, parts and functions of single Needle machine, over lock machine, bar tacking machine, button Hole making machine, button fixing machine, blind stitching Machine, fabric examining machine. Special attachments, care and maintenance, Common problems and remedies

Unit II:

Stitching mechanism- Needles, bobbin and bobbin case, bobbin winding, loops and loop Spreader, upper and lower threading, auxiliary hooks, throat plates, take-ups, tension discs- upper and lower thread tension, stitching auxiliaries, pressure foot and its types, Feed mechanisms - drop feed, differential fed, needle feed, compound feed, unison feed, puller feed.

Unit III:

Cutting technology – definition, function, scope. Cutting equipment and tools, vertical reciprocity cutting machines, rotary cutting machine band knife cutting machine, die cutters. Types of spread and its quality, spreading equipment and tools used for spreading, spreading methods.

Unit IV:

Marking methods, positioning marking types of markers, efficiency of a marker plan, requirements of marker planning. Pressing Equipments – purpose, pressing equipments and methods – iron, steam press, steam air finisher, steam tunnel, special types – pleating, permanent press.

Unit V:

Sewing federal standards for stitch and stitch classification, federal standards for seam and seam classification, fabric sewability, Sewing threads- types, essential qualities of a sewing thread, manufacturing process of cotton and synthetic threads, twisting process.

Reference Books:

1. *The Technology of Clothing Manufacture* – Harold Carr and Barbara Latham, Blackwell Science (1994)
2. *A complete guide for sewing* – Coles M Sew, Heinemann Professional Publishing, Singapore.
3. *Reader's digest Sewing guide, Complete Guide to Sewing* 13th Edition, The Reader's Digest Association Inc, Pleasant Ville.
4. Glock, R E and Kunz, G I, *Apparel Manufacturing: Sewn Product Analysis*, 4th Ed, Pearson Education, 2005

5	Basics of Apparel Constructions Lab II	CREDIT-3 TOTAL HOURS: 45
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Objectives:

To prepare basic samples for construction

Exercise 1:

Preparation of samples for different skirts

Gathered skirt

Pleated skirt

Layered skirt

A Line skirt

Two piece skirt

Four piece skirt

Yoke skirt

Exercise 2:

Preparation of samples for Basic bodice

Exercise 3:

Prepare samples for Set-in sleeves

Plain, puff, circular, cap, Bishop, Leg-o-mutton

Exercise 4:

Prepare samples for sleeve-bodice combination

Raglan, Magyar, Dolman, Kimono

Exercise 5

Prepare samples for collars

Peter Pan collar, Scalloped, Shirt Collar, Chinese Collar

Reference Books:

1. Anita A. Stamper, *Experimental Apparel Construction: Laboratory Manual*
2. Janace E. Bubonia, *Apparel Quality Lab Manual*
3. M.L. Gambhir, *Building and Construction Materials: Testing and Quality Control*

6	Fabric Analysis Lab	CREDIT-2 TOTAL HOURS: 30
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Objectives:

To analyze woven fabrics

Exercise 1:

Identification of the following woven samples

Plain weave and its derivatives (Warp rib, Weft rib)

Twill Weave – Right hand twill and Left hand twill.

Satin Weave

Honey comb Weave

Huck a back Weave

Extra Warp and Weft Figuring.

Double cloth.

Terry pile structures

Exercise 2:

Draw the Draft, Peg and Lifting plan of the above fabric samples

Exercise 3:

Analyze the above fabric samples for

Warp density(Ends Per Inch), Weft density (Picks Per Inch), Count, Crimp Percentage, Cover Factor, Area density (GSM-Weight of Sample/sq.m)

Exercise 4:

Analyze the above fabric samples for

Machine Knitted- Single Jersey, Rib, Interlock and Fleece

Hand Knitted- Knit, Stocking, Basket,

Reference Books:

1. Craig Huntington, *Tensile Fabric Structures: Design Analysis and Construction*
2. John T Andrews, *Techniques of till fabric analysis*

7	Pattern Making and Grading Lab	CREDIT-2 TOTAL HOURS: 30
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Objectives:

To prepare the patterns for construction

Exercise 1

Draft and make the patterns of the following

Basic bodice

Sleeve block

Shirt

Blouse

Pyjama

Kameez

Salwar

S.B.Vest

Pleated Trousers

Exercise 2

Draft and grade the patterns

Basic bodice

Sleeve

Skirt

Reference Books:

1. Michele Lininger, *Patternmaking and Grading Using Gerber's Accomack Pattern Design Software*
2. Sylvia Rosen, *Pattern making: A Comprehensive Reference for Fashion Design*, 2004

8	Environmental Studies	CREDIT-3 TOTAL HOURS: 45
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Objectives:

To create awareness to the students

Unit I:

Multidisciplinary nature of environmental studies-Definition, scope and importance, need for public awareness.

Unit II:

Natural Resources: Renewable and non-renewable resources, Natural resources and associated problems. a) Forest resources: Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forest and tribal people. b) Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems. c) Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies. d) Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies. e) Energy resources: Growing energy needs, renewable and non renewable energy sources, use of alternate energy sources. Case studies. f) Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification. Role of an individual in conservation of natural resources. Equitable use of resources for sustainable lifestyles.

Unit III:

Ecosystems: Concept of an ecosystem. Structure and function of an ecosystem. Producers, consumers and decomposers. Energy flow in the ecosystem. Ecological succession. Food chains, food webs and ecological pyramids. Introduction, types, characteristic features, structure and function of the following ecosystem: - a. Forest ecosystem b. Grassland ecosystem c. Desert ecosystem d. Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)

Unit IV:

Biodiversity and its conservation Introduction – Definition: genetic, species and ecosystem diversity.

Biogeographically classification of India. Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values. Biodiversity at global, National and local levels. India as a mega-diversity nation Hot-spots of biodiversity. Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts. Endangered and endemic species of India. Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.

Unit V:

Environmental Pollution: Definition , Cause, effects and control measures of :- a. Air pollution b. Water pollution c. Soil pollution d. Marine pollution e. Noise pollution f. Thermal pollution g. Nuclear hazards. Solid waste Management: Causes, effects and control measures of urban and industrial wastes. Role of an individual in prevention of pollution. Pollution case studies. Disaster management: floods, earthquake, cyclone and landslides.

Unit VI:

Social Issues and the Environment: From Unsustainable to Sustainable development. Urban problems related to energy. Water conservation, rain water harvesting, watershed management. Resettlement and rehabilitation of people; its problems and concerns. Case Studies. Environmental ethics: Issues and possible solutions. Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case Studies. Wasteland reclamation. Consumerism and waste products. Environment Protection Act. Air (Prevention and Control of Pollution) Act. Water (Prevention and control of Pollution) Act. Wildlife Protection Act Forest Conservation Act. Issues involved in enforcement of environmental legislation. Public awareness.

Unit VII:

Human Population and the Environment. Population growth, variation among nations. Population explosion – Family Welfare Programme. Environment and human health. Human Rights. Value Education. HIV/AIDS. Women and Child Welfare. Role of Information Technology in Environment and Human health. Case Studies.

Reference Books :

1. Mike Hulme, *Climates and Cultures*
2. Mark Garrett, *Encyclopedia of Transportation Social Science and Policy*
3. Steel, *Science An A-to-Z Guide to Issues and Controversies*
4. John A Matthews, *Encyclopaedia of Environmental Change*

SEMESTER III

1	Textile Wet Processing-I	CREDIT-5 TOTAL HOURS:75
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Objectives:

To study about basic textile processing dyeing and printing techniques

Unit I:

Impurities present in Grey cotton fabric-Sequence of processes used in Textiles Wet Processing for fabrics, brushing and shearing-cropping, singeing, scouring, desizing, souring, bleaching, mercerization.

Unit II:

Dyeing: Different types used for Cellulosic, Protein and Synthetic fibres- Dyeing methods of Cellulosic Fibre with Reactive and Vat dyes. Dyeing of Polyester with Disperse Dyes. Stages of Dyeing, Methods and equipments used for dyeing-Hank dyeing, Fibre dyeing, Yarn dyeing, Fabric dyeing, Garment dyeing.

Unit III:

Printing: Style of Printing-Screen printing- Steaming and curing- Printing of Cellulosic Fibre with Reactive Dyes- Polyester with Disperse dye Printing of synthetics. Methods of printing -screen printing - automatic screen printing - roller printing - rotary printing –Tie and Dye-Flock printing-Transfer printing, Sublimation of Transfer printing, Preparation of Logos and motifs for fixing on garments, Fixation and after treatment.

Unit IV:

Fabric and Garment Finishing: Basic and functional finishes- Water repellence, Water Proofing, Flame Retardant, Anti shrinkage, Stiffening, Glazing, Embossing and moireing

Unit V:

Synthetic Fiber Heat setting, Wool carbonizing, Weighting of silk. Wet processing equipment – kier – J box – pad roll – U box – Roller bed – Conveyor steamer – stenter.

Unit VI:

Wet processing of Knitted fabric – scouring – Bleaching dyeing – printing calendaring. Shrink controlling - steaming. Wet processing of polyester, Nylon, silk, wool and their blends.

Reference Books:

1. Dyes and Dye intermediates by NIIR Board of consultants and Engineers

1. *Textile Finishing*, W.S.Murphy, Abishek publications

2. Amran Hossain Eron, *Dyeing and Chemical Technology of Textile Fibers*.

3. NIIR Board of Consultants & Engineers, *The Complete Technology Book on Textile Spinning, Weaving, Finishing and Printing*

2	Fashion Marketing and Merchandising	CREDIT-5 TOTAL HOURS: 75
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Objectives:

To know about the marketing and merchandising aspects in apparel industry

Unit I:

Fashion retailing-History, Scope, Importance, Types (Domestic and International), techniques, and channel of distribution

Unit II:

Marketing – types, four P's, fashion promotion advantages, trade shows, Market weeks, exhibitions, fashion shows, market survey and research

Unit III:

Types of merchandising, concepts, merchandise planning, sampling- Importance, counter sample.

Unit IV:

Brand building-Introduction, strategies, image building, brand expansion, global trends

Unit V:

Visual Merchandising-Interior, exterior window display, store planning and layout-fixtures, location, lighting, dressing, props and promotions, masking and proscenia, mannequins and three dimensional dressing

Unit VI:

Introduction to customer relationship management, measuring customer relationship management, customer response, satisfaction, loyalty, customer relation and complaint management.

Unit VII

Retail merchandiser, concept, quick response, Just –in-Time, merchandiser calendar, trend analysis, forecast analysis, concepts of apparel product line, planning, directing, coordinating and controlling

Reference Books:

1. Laura L Bliss, *Study Guide Visual Merchandising and Display III* edition, Fairchild Publications, 1995
2. Castelino, M. *Fashion Kaleidoscope*, Rupa & Co. 1994.
3. Gibson, G. Vedomani, *Retail Management*, Jaico Publishing House, Bangalore
4. Elaine Stone, *The Dynamics of Fashion*, Fair Child Publication, 1999
5. Brenda Sternquist, *International Retailing*, Fairchild Publication, New York 30

3	Design Concept and Methodology	CREDIT-5 TOTAL HOURS:75
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Objectives:

To study about the design concepts and to develop the designing skills

Unit I:

Terms and terminology related to the fashion industry – fashion, style, fad, classic, and collection, chic, Custom made ,mannequin , fashion show, trend, forecasting, high fashion, fashion cycle, haute couture, fashion director, fashion editor, line, knock-off, avant-garde, bridge, buying house, apparel, fashion merchandising, pret – a –porter.

Unit II:

Design Definition, Types structural design and decorative design, types of designs – natural, stylized geometrical, and abstract. Elements of design – Line, Shape, Colour, Size & Texture. Principle – Balance, Rhythm, emphasis, harmony & proportion.

Unit III:

Colour, colour theories, prangs & Munsell, Dimensions of colour – Hue value & intensity, colour schemes- Monochromatic, Achromatic, Polychromatic, Analogous, Complementary, Split Complimentary,

Unit IV:

Trimmings & Decoration – Definition and types, Figure irregularities-Normal, Irrect, Stooping, Square shoulder, Stooping Shoulder, Prominent hip, Flat hip, Prominent bust, Flat bust, Pigeon chest, Bow leg, Tall and Thin. Wardrobe Planning.

Unit V:

Design development and adjustment Selection of design for end uses. Motif, Repeat and Pattern-Portfolio development. Fashion forecasting

Reference Books:

1. *Elements of fashion & apparel design*
2. *Fashion sketch book*" written & illustrated by Bina Abling, Fair child publications, New York.
3. *Wardrobe strategies for women*" by Judith Rasband, Delmar publishers, London.
4. *Fundamentals of textiles and their care*" susheela Dantyagi,5th edition, published by Orient Longman Ltd., New Delhi,
5. *Inside the fashion business*" 4th edition by Jeannette A Jarnow, Morianr Guerreiro & Beatrice Judelle, Mac Millan Company, New Tork

4	Organizational Behaviour	CREDIT-5 TOTAL HOURS: 75
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Objectives:

To understand and influence human interactions in an organization

Unit I:

Nature of organizations, why organizations exist, organizational effectiveness, nature or organizational behaviour, (OB), foundations of OB, importance and shortcomings of OB, historical roots of OB, interdisciplinary focus, approaches to OB

Unit II:

Foundations of individual behaviour, personal factor, environmental factor, organizational systems and resources, psychological factors. Personality - Structure, determinants, personality traits and OB. Perception - Perceptual process, attribution, errors in perception, managing perception. Learning - how learning occurs, principles of learning. Attitudes - formation, factor, changing attitudes, job satisfaction. Value - types. Motivation - challenges, importance, content theories and process theories. Applied motivation practices - rewards, job design, socio technical systems OB model, empowerment, goal setting. Work Stress - stress model, cause, consequences, coping strategies.

Unit III:

Group and Interpersonal behaviour - group dynamics - why groups form, types, group norms, cohesiveness, decision making / styles, strategies for improving decision making teams - special types of groups, types of teams, Power and political behaviour - sources of power, effective use of power. Organisational policies, forces creating political behaviour, personality and political behaviour. Conflict - Sources and strategies to resolve conflict. Leadership - styles, contemporary developments. Interpersonal communication - essentials, networks, communication technologies, non - verbal communication, barriers, strategies to overcome barriers

Unit IV:

Organizational process Organizational design - types and their behavioural implications. Organizational change - cause for change, why change resisted - managing change. Organization culture - how is culture created and sustained.

Unit V:

OB - Emerging challenges, managing diversity, globalization, technology transformation, e business, promoting ethical behaviour.

Reference Books:

1. John B. Miner, *Organizational Behaviour: Foundations, Theories, and Analyses*
2. Brethower, Dale M, *Understanding Behaviour of Organizations to Improve Behaviour in Organizations*
3. Oliver E. Williamson, *Organization Theory: From Chester Barnard to the Present and Beyond*
4. Ronald R. Sims, *Managing Organizational Behaviour*
5. Peter Makin; Charles Cox, *Changing Behaviour at Work: A Practical Guide*

5	Textile Wet Processing Lab	CREDIT-2 TOTAL HOURS:30
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Objectives:

To prepare the samples for processing and to develop dyeing and printing skills

Exercise 1:

Desizing

Exercise 2:

Scouring

Exercise 3:

Bleaching

Exercise 4:

Mercerization- at room temperature, boiling temperature

Exercise 5:

Dyeing Acid basic, direct, Vat, Reactive dyes (Hot and cold), Natural dyes

Exercise 6:

Printing of cotton using – Block, Batik, Tie & dye, Screen, Stencil

Printing on Polyester fabric, Printing on Silk fabric

Reference Books:

1. Arthur Courtney Hayes, *Experiments in wet processing textile fibres*: A laboratory manual supplementing a comprehensive course in textile chemistry
2. EUROTEx, *An Introduction to Textiles: Textile Wet Processing*, 1993

6	Design Concepts Lab	CREDIT-2 TOTAL OURS-30
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Objectives:

To develop drawing and designing skills

Exercise 1:

Prepare the Charts- Prang colour chart, Value Chart, Intensity Chart

Exercise 2:

Illustrate garment designs for the Elements of Design- Line, Colour, Texture, Shape or form

Exercise 3:

Illustrate garment designs for the Principles of Design- Balance in dress, Harmony in dress, Emphasis in dress, Proportion in dress, Rhythm in dress

Exercise 4:

Illustrate the colour harmony in dress design

Exercise 5:

Designing dresses for unusual figures - Erect, Stooping, Square shoulder, Prominent hip, Flat hip, Prominent bust, Flat bust, Pigeon chest, Bow leg, Tall and Thin.

Exercise 5:

Designing dresses for different occasions – business meetings, parties/ dinners, uniforms, maternity wears

Reference Books:

1. *Elements of fashion & apparel design*
2. *Fashion sketch book* written & illustrated by Bina Abling, Fair child publications, New York.
3. *Wardrobe strategies for women* by Judith Rasband, Delmar publishers, London.
4. *Fundamentals of textiles and their care* susheela Dantyagi, 5th edition, published by Orient Longman Ltd., New Delhi,
5. *Inside the fashion business* 4th edition by Jeannette A Jarnow, Morianr Guerreiro & Beatrice Judelle, Mac Millan Company, New York

7	Surface Ornamentation Lab	CREDIT-3 TOTAL HOURS: 45
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Objectives:

To prepare embroidered samples for the following

Exercise 1:

Hand embroidery stitches - 10

Exercise 2:

Fancy stitches -5

Exercise3:

Traditional embroidery -Embroidery of Kashmir

Exercise 4:

Phulkari of Punjab

Exercise 5:

Gujarat – Kutch embroidery,

Exercise 6:

Embroidery of Rajasthan

Exercise 7:

Kasuti of Karnataka

Exercise 8:

Chickenwork of Lucknow

Exercise 9:

Kantha of Bengal

Exercise10:

Machine Embroidery demonstration

Exercise11:

Samples. Smocking -3types.

Exercise 12:

Samples of Trimmings-5

Reference Books:

1. Booth J.E. *Principle of textile testing*, Butter Worths, London, 1983.
2. Grosicki Z.J. Watsons *Advanced Textile design and colour Newness Butterworths*, London, 1975.
3. Watsons *Textile design and colour Newness Butterworths*, London, 1975

8	Fashion Illustration & Children wear Lab	CREDIT-3 TOTAL HOURS: 45
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Objectives:

To draw and design garments for children

Exercise 1:

Drawing the Head and neck, The Torso, The arm and the Hands, The legs and the feet

Exercise 2:

Colour combinations for kids garment

Exercise 3:

Drawing of different Head Theory-1, 3, 4

Exercise 4:

Illustrate Costumes of different Civilization for Children

Exercise 5:

Drawing Garments and Accessories on Kids Figure

Exercise 6:

Drawings and developing Illustrations from Photos and Pictures from Magazines

Exercise 7:

Design a Party wear for children

Exercise 8:

Design winter wear for Children

Exercise 9:

Design summer wear for Children

Exercise 10:

Design an Innovative Garment based on a theme for Children

Reference Books:

1. Naoki Watanabe, *Contemporary Fashion Illustration Techniques*
2. Anna Kiper, *Fashion Illustration: Inspiration and Technique*
3. Robin Schneider, *Adobe for Fashion: Illustrator CS6*
4. Kathryn Hagen, *Fashion Illustration for Designers*

SEMESTER IV

1	Apparel Marketing & Management	CREDIT-5 TOTAL HOURS: 75
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Objectives:

To develop marketing and management skills in apparel industry

Unit I:

Organization of the Apparel Business: Introduction to apparel industry - organization of the apparel industry types of exporters Business concepts applied to the apparel industry - International trade.

Unit II:

Marketing: Functional organization of an apparel firm. Types of markets: Retails and wholesale strategies for merchandise distribution- retailers - sourcing flows and practices. Importance of retailing, Retail consumer behaviour, Factors influencing the Retail consumer, Customer decision making process.

Unit III:

Different types of buyers -Communications with the buyers - awareness of current market trends – product development - line planning line presentation.

Unit IV:

Sourcing: Need for sourcing - sourcing materials - manufacturing resources planning - principles of MRP – Overseas sourcing - sourcing strategies. Supply chain and demand chain analysis - Materials management for quick response - JIT technology, Labeling and licensing.

Unit V:

Retail Market Segmentation and Strategies: Market Segmentation and its benefits, Retail Location Selection: Importance of retail locations, Types of retail locations, Factors determining the location decision, Steps involved in choosing a retail locations,

Reference Books:

1. D. Sinha., - "*Export Planning and Promotion* ", - IIMS, Calcutta (1989).
2. Tuhin K. Nandi., - "*Import - Export Finance* ", - IIMS, Calcutta (1989).
3. Elaine Stone, Jean A. Samples., - "*Fashion Merchandising* ", McGraw Hill Book Company (1985) ISBN: 0 - 07 - 061742 - 2.
4. S. Shivaramu., - "*Export Marketing - A practical guide to Exporters* ", Wheeler Publishing (1996)ISBN:81-7544-166-6.

2	Textile Testing & Quality Control	CREDIT - 5 TOTAL HOURS:75
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Objectives:

To study the basic textile testing methods used in apparel production

Unit I:

Introduction to textile testing and quality control - terminology of testing - selection of samples for testing standard R H and temperature for testing - measurement of moisture regain conditioning oven - Shirley moisture meter

Unit II:

Fiber testing: 1. Cotton fiber length - Baer Sorter 2. Fineness - Air flow principle instruments, Sheffield micronaire 3. Maturity - Caustic Soda swelling 4. Strength - Pressley bundle strength tester, Stelometer 5. Determination of trash and lint in cotton - Shirley trash analyzer

Unit III:

Yarn Testing: 1. Yarn numbering system - conversion of count from one system to another 2. Instruments for count determination - quadrant balance 3. Yarn strength testing - Principles of CRT, CRL, CRE - Single strength tester, Lea strength tester. 4. Yarn twist - Direction of twist, twist multipliers, Twist testers - tension type 5. Yarn evenness - classification of variation, methods of measuring evenness – black board, ASTM Standards, Uster evenness tester, Uster Standards, Yarn faults, classifications, Classimat 6. Yarn hairiness and crimp testing

Unit IV:

Fabric testing: 1. Fabric Particulars –length, width, crimp, weight, cover factor 2. Fabric Strength - fabric tensile strength tester, tearing strength tester, hydraulic bursting strength tester 3. Fabric Abrasion - resistance, handle, serviceability, assessment, Martindale abrasion tester 4. Fabric Pilling - I C I Pill box tester 5. Fabric drape -Measurement, Drape meter 6. Fabric Stiffness - Shirley

stiffness tester 7. Fabric crease resistance and crease recovery measurements 8. Fabric permeability - Shirley air permeability tester, fabric water permeability tester.

Unit V:

Colour Fastness in Textiles - Crocking test, perspiration test, sunlight, laundering, pressing and dry cleaning aspects, whiteness index, matching cabinets, computer matching

Reference Books:

1. *Principles of textile Testing*, Booth J E, Hoybooks, London (1970)
2. *Technology of textile properties*, Marjorie A Taylor, Forbes publications Ltd, London (1972)
3. *Textile Testing*, Angappan P and Gopalakrishnan R, SSM Institute of textile technology, Komara Palayam
4. *Fiber Science*, Mishra S P and Kesavan B K, SSM Institute of textile technology, Komara Palayam
5. *Objective evaluation of fabrics*, Styios G, John Wiley & Sons USA

3	History of Costumes	CREDIT - 5 TOTAL HOURS:75
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Objectives:

To understand the various century's costumes and historic textiles in India.

Unit I

Evolution of clothing – Origin & functions of clothing – beginning of civilization – Greek, Roman and Egyptian. Fashion in Renaissance and Middle ages. Study of Historical designs of different countries – Persian, Mughal, Chinese, Japanese and American. Costumes of Far eastern countries

Unit II

Traditional Woven textiles of North India – Brocades of Banaras, Balucheri, Chanderi and Tanchoi. Traditional Embroideries of North India – Kashida, Phulkari, Chambarumal and Chikankari. Traditional costumes of North States of India – Jammu & Kashmir, Punjab, Himachal Pradesh, Haryana, Uttaranchal and Uttar Pradesh.

Unit III

Traditional woven textiles of Southern states of India – Paithani and Pitamber, Pochampalli, Kancheevaram, Himrus, Kalamkari, Pipli, Mysore silk, Aarni Silk. Traditional embroideries of South India – Thoda embroidery, Kasuti of Karnataka and Aari Embroidery. Traditional costumes of Southern states of India – Tamil Nadu, Kerala, Karnataka and Andhra Pradesh.

Unit IV

Traditional woven textiles of Eastern states of India – Dacca muslin, Applique work of Bihar. Traditional embroideries of East India – Kantha of Bengal, Sujaini embroidery, Manipuri Embroidery and Nagaland embroidery. Traditional costumes of Eastern states of India – West Bengal, Bihar, Jaharkand, Arunachal Pradesh, Assam, Sikkim, Nagaland, Manipur, Mizoram, Meghalaya and Tirupura.

Unit V

Traditional woven textiles of Western states of India – Maheshwari sarees of Madhya Pradesh, Patola, Bandhini and Amrus. Traditional embroideries of Western India – Sindhi embroidery –

Kutch, Ari Bharath, Kanbi Bharath, Mochi Bharath, Shisha embroidery. Traditional costumes of Western states of India – Rajasthan, Gujarat, Maharastra, Madhya Pradesh, Chhattisgarh and Goa.

References:

1. John Gillow & Nicholas Barnad, “Traditional Indian Textiles”. Thames & Hudson, 1993
2. Martand Singh, “ Saris’ of India – Bihar & West Bengal”, Wiley Eastern Ltd. 1993
3. Rta Kapur chishti & Amba Sanyal, “Saris of India – Madhya Pradesh,” Wiley Eastern Ltd. 1989
4. Ancient Indian Costume, Roshen Alkazi, Art Heritage (1983)
5. Costumes and textiles of Royal India – Ritu Kumar Published by Christie’s Books.
6. The Guide to Historic Costumes, Karen Baclawski, Drama Publishers (1995).
7. Ikat textiles of India - G.K. Ghosh
8. *A History of Fine Arts in India and the West* / Edith Tomory / Orient Longman

4	Computer Application in Garments Industry	CREDIT-4 TOTAL HOURS: 60
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Objectives:

To learn the applications of computer in Garment Industry

Unit I:

Role of computers in fashion industry – Information flow – CAD, CAM, CIM, CAA, PDC

– Definition and functions. Computers in production planning and production scheduling, computerized colour matching system.

Unit II:

CAD in designing Textile designing – Weaving, Knitting and printing. Creating embroidery designs. Garment designing – 2D and 3D forms.

Unit III

CAD in pattern making and grading – system description – information flow – process involved in pattern making, process involved in pattern grading.

Unit IV:

Computer application in fabric defect checking, laying / spreading, cutting marker planning, labelling – parts and functions. Computerized sewing machines.

Reference Books:

1. Jinlian Hu, *Computer Technology for Textiles and Apparel*
2. R Sheela John, Dr S Amsamani, *Computers in the Garment Industry*
3. Ellen Rosen, *Making Sweatshops: The Globalization of the U.S. Apparel Industry*

5	Fashion Accessories Lab	CREDIT-2 TOTAL HOURS: 30
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Objectives:

To develop skills for designing accessories

Unit- I

Hand bag – any two types

Purse and pouches – any two types

Hat – any two types

Unit-II

Bow – Decorative bow and formal bow

Belt – for boy and girl

Unit- III

Jewellery designing – Teracotta, jewellery, Kundan Jewellery, Bead jewellery, wooden jewellery

Hair band/ head bands – any four types, Hand band– any four types

Unit-IV

Foot wear – any two types

Unit-V

Umbrella- any two

References:

1. “Quick style”, by- Christine Kunzerlman.
2. 1000 Ideas by fashion designers Carolina Cerime
5. Accessories options : Shrugs scaxues stoles
6. Bead Fantasies 2 – More beautiful easy to make jeweler Takako Sanejima
7. Child encyclopedia of fashion accessories -Phyllis Tortora
8. Complete jewelery easy techniques and 25 great projects Mary Helt
9. Necklace the art of collectibles pendants crosses Sautoirs cameos Soraya Feder

6	Textile Testing Lab	CREDIT-2 TOTAL HOURS:30
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Objectives:

To test fibre, yarn and fabric

Testing of the fabrics (Any eight)

Exercise1:

Yarn count testing

Exercise 2:

Yarn twist testing

Exercise 3:

Tensile Strength testing

Exercise 4:

Stiffness testing

Exercise 5:

Abrasion resistance testing

Exercise 6:

Crease recovery testing

Exercise 7:

Crimp testing

Exercise 8:

Shrinkage testing

Exercise 9:

Drape Analysis

Exercise 10:

Colour Fastness Testing

Reference Books:

1. Elliot Brown Grover, Dame Scott Hamby, *Handbook of textile testing and quality control*
2. *Textiles: Performance Tests and Evaluations; Textile Testing Laboratory Manual*
3. John E. Booth, *Principles of textile testing: an introduction to physical methods of testing textile fibres, yarns, and fabrics*
4. K. Amutha, *A Practical Guide to Textile Testing*

7	Pattern -making, Garments construction, Children's wear	CREDIT- 2 TOTAL HOURS:30
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Objectives:

To prepare patterns and construct child wear garments

Designing, drafting and construct the garments for the features Prescribed- List the measurements required and materials suitable- Calculate the cost of the garment - Calculate the material required - Layout Method and Direct Measurement Method.

Exercise 1:

Bib- Variation in outline shape

Exercise 2:

Panty-plain or plastic lined panty

Exercise 3:

Jabla- without sleeve, front open (or) Magyar sleeve, back opens

Exercise 4:

Baba suit- knicker with chest piece attached (or) Romper

Exercise 5:

A-Line petticoat- double pointed dart, neck line and arm hole finished with facing (or) petticoat with gathered waist

Exercise 6:

Summer frock- with suspenders at shoulder line, without sleeve/collars(or) Angel top with raglan sleeve, fullness at neck line

Exercise 7:

Yoke frock- yoke at chest line, with open, puff sleeve, gathered skirt9OR0 frock- with collar, without sleeve, gathered/ circular skirt at waist line(or) Princess line frock

Exercise 8:

Knicker- elastic waist, side pockets

Exercise 9:

Shirt- open collar, with pocket.

Reference Books:

1. Peg Couch, *Garment Construction: A Complete Course on Designing and Making Clothing for Fit and Fashion (Illustrated Guide to Sewing)*
2. Sarah Veblen, *The Complete Photo Guide to Perfect Fitting*
3. Alison Smith, *The Sewing Book (Dk)*

8	CAD Lab-I	CREDIT- 2 TOTAL HOURS: 30
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Objectives:

To design using Corel Draw.

Exercise 1:

Creating motifs / small designs

Exercise 2:

Creating logos for branded companies

Exercise 3:

Creating labels; Name label, Size label, Care label

Exercise 4:

Creating text effects in CorelDraw

Exercise 5:

Creating 3D animation in CorelDraw

Exercise 6:

Designing visiting cards, posters and greeting cards.

Exercise 7:

Drawing fashion silhouettes in CorelDraw

Exercise 8:

Designing Children's garments; Jabla, A-line frock, Baba suit

Exercise 9:

Designing Women's garments; Middi and top, Salwarkameez, Nightie

Exercise 10:

Designing Men's garments; S.B.Vest, T-Shirt, Kurta pyjama

9	Value Education	CREDIT-3 TOTAL HOURS: 45
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Objectives:

To inculcate values and virtues in students

Unit I:

Values-Meaning, Nature and their importance. Relation between needs and values hierarchy of values, place of values in character development and education.

Unit II:

Awareness of one's self-Definition of self, assessing one's self. Self-Management – self-discipline, Ambition, self-confidence, Determination, Motivation, Self-control, Self-satisfaction. Personal values –Humility and simplicity, Sympathy and empathy, Honesty and commitment. Life-skills for individual and social living. Behavioural values- Good manners at home and outside, openness through word and action. Role of religious values, Religious tolerance, Truthfulness to self and others. Leadership as a life skill, Leadership in other Life skill, Interpersonal and intrapersonal skills.

Unit III:

Intervention strategies of value education and assessment of value pattern. Krathwohls Taxonomy of Education: Objective selection of value as recommended by NCERT, National Policy on Education and constitution of India. Models of Value education, rationale Building Model –The consideration Model –Value analysis model –Value clarification model-Social Action Model-Jurisprudential Enquiry Model, Role Playing model, Cognitive Moral Development Model, and value Discussion Model.

Unit IV:

Understanding family life-Definition of family, Family life in the context of rapidly changing society. Organising family life- Responsibility, Mutual respect, Sharing and caring, Accommodation and adjustment, individual interests. Family interests. Providing continuity in traditional values-Traditional norms and family norms changing values-joint families

Vs.Nuclear families, Family responsibilities in the changing societal and living standards. Learning to live together –Definition of society, Units of society-Community living social awareness, Equity, Equality and brotherhood. Challenging the diversities –Value differences, Sex and gender related issues, Differences of opinions, tolerance, Conflicts, Avoidance of conflicts Dialogue, Conflicition resolution, and Social responsibility.

Unit V:

Professional values, National and International values, Planning and organizing for transition in the changing work culture-Definition of profession, Vocation and career, Professional values and ethics, Professional Competence, devotion and confidence, professional efficiency, Accountability and Responsibility. Transition in the world of work-Learning as a dynamic process in the world of work-Awareness of the changing career options, Understanding the work culture, Willingness to change, team Spirit. Knowledge of Indian Constitution –Basic values of citizens. Global village –Global values, values of health and health care population and environmental issues, Aggression and violence, Deviance, Discrimination, Drugs, Racial and ethnic relations.

Reference Books:

1. Beyer, B.K. (1971) - *Inquiry in the Social Studies Class-room, a strategy for teaching*, Columbus, Ohio, Charles E. Merrill Publishing.
2. Beyer, B.K. and Penna, AX (1971) - *Concepts in Social Studies,, Washington, D.C., National Council for the Social Studies.*
3. Bower, William C. (1952) - *Moral and Spiritual Values in Education*, Lexigton, university of Kentucky Press.
4. Budhanda Swami (1983) *How to Build Character A Primer* : Ramakrishna Mission, New Delhi.

SEMESTER V

1	Garment Clothing care	CREDIT-5 TOTAL HOURS:75
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Objectives:

To study about basic laundry and maintenance of clothes

Unit I:

Water- hard and soft water, methods of softening water. Laundry soaps – Manufacture of soap (Hot process , cold process), composition of soap, types of soap, soap less detergents, chemical action , detergent manufacture , advantages of detergents

Unit II:

Finishes – Stiffening Agents – Starch (cold water and hot water), Other stiffening agents, preparation of starch. Laundry blues, their application.

Unit III:

Laundry equipment – for storage, for steeping and Washing – Wash board, suction washer, wash boiler, washing machine. Drying equipment's – outdoor and indoor types. Irons and ironing board – types of iron (box, flat, automatic, steam iron). Ironing board – different types.

Unit IV:

Principles of washing – suction washing, washing by kneading and squeezing, washing by machine - Process details and machine details. Laundering of different fabrics – cotton and linen, woollens, coloured fabrics, silks, rayon and nylon.

Unit V:

Special types of Laundry – water proof coats, silk ties, leather goods, furs, plastics, lace. Dry cleaning – using absorbents, using grease solvents. Storing – points to be noted. Stain removal – food stains, lead pencil, lipstick, mildew, nose drops, paint, perfume, perspiration / mildew, tar, turmeric and kum- kum. Care labels – washing, bleaching, Drying, ironing and different placements of label in garments.

Reference Books:

1. Singer Sewing, *Clothing Care and Repair* (Singer Sewing Reference Library)
2. Incorporated The Editors of Cy De Cosse, *The Perfect Fit*
3. *Sewing Pants That Fit*

2	Apparel Quality Management	CREDIT- 5 TOTAL HOURS:75
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Objectives:

To know about quality management in apparel industry

Unit I:

Meaning of quality, testing and standard and their importance in apparel industry – Quality terminologies – Sources of international standards. Quality Parameters of yarn: Yarn evenness & hairiness and their effect on fabric quality. Quality parameters of fabric: Brief study of fabric pilling resistance, bursting strength, colour fastness and dimensional stability. Testing of sewing threads, zippers, fusible interlinings, buttons and fasteners.

Unit II:

Inspection: Incoming and raw material inspection: Fabric inspection – 4-point system. In process/ on-line inspection: Advantages – On line inspection during spreading, pattern making, cutting, sewing and ironing. Final inspection: Sampling plans and AQL charts – Level of final inspection. Packing & packaging quality tests. Care labelling and international care symbols.

Unit III:

Principles of TQM – Deming's PDCA Cycle - KAIZAN concepts – 5, S " applications in apparel industry. Application of seven QC tools in apparel industry.

Unit IV:

Understanding of ISO 9001:2000 standards: QMS, management responsibility, resource management, product realization and measurement analysis & improvement – Various documents required for ISO 9001:2000 implementation and its contents – Development of quality system manual for garment industry.

Unit V:

Documented procedures required for ISO 9001:2000 implementations – Procedures for Internal quality audit – Management review meeting – Certification process – Surveillance Audit.

Reference Books:

1. Paula J. Myers-Mc Devitt, *Apparel Production Management and the Technical Package*
2. Ruth E. Glock & Grace I. Kunz, *Apparel Manufacturing: Sewn Product Analysis*, 4th Edition

3	Visual Merchandising	CREDIT-5 TOTAL HOURS :75
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Objectives:

To study about marketing and importance of visual merchandising in apparel industry

Unit I:

Introduction to Visual Merchandising (VM): Introduction, Objectives, Concept of Visual Merchandising, Objectives of Visual Merchandising, Growth of Visual Merchandising, Visual Merchandising in India, Scope of visual merchandising in India, Visual Merchandising as a Support for Positioning Strategy, Prospects of Visual Merchandising, Challenges in Visual Merchandising, The common challenges, Ways to overcome the visual merchandising challenges

Unit II:

The Merchandise Mix: Introduction, Objectives, Concept of Merchandise Mix, Merchandise line, The Assortment of Products, Assortment strategy, Merchandise Mix of Show Off, Role of a merchandiser, Other Atmospherics in Merchandising, Colour scheme, Lighting

Unit III:

Store Management in Merchandising: Introduction, Objectives, Types of Stores, Location of a Store, Types of retail locations, Planning a Store Layout, Various Types of Store Layouts, Grid layout, Forced-path layout, Free-form layout, Boutique layout, Combined layout, Store Space Allocation, Heads of space allocation in a store, Managing Customer Navigation in a Store, General Rules of Customer Traffic in a Store, The Loop for Guiding the Shoppers through a Store

Unit IV:

Store Design and Display: Introduction, Objectives, Concept of Store Design and Display, Objectives of store design, Purpose and importance of display, Rules of display planning, Display Settings, Store Design, Exterior of a store, Interior of a store, Window displays,

Merchandise Presentation Strategies, Colour blocking, Other techniques of merchandise placement, Physical materials used to support the display, Components of display, Some Useful Display Fixtures, Shelves, Gondolas, Round racks, Four ways, Saccades and fixation, Replenishes, Plano ramming .

Unit V:

Store Image & Security: Introduction, Objectives, Concept of Image Mix, Elements of Image Mix, Merchandise, Fixtures, Sound/Music, Odour, Visuals, Employees, Elements that Levy Negative Impact on Shoppers, Change of Image, Security Issues

Unit VI:

Fashion Show: Introduction- importance – planning for fashion show - Types of Fashion Shows - Benefits

Reference Books:

1. Swati Bhalla & AnuraagSingha , *Visual Merchandising*
2. Robert Colborne, *Visual Merchandising: The Business of Merchandise Presentation*
3. Paul J. Russell, *Field Visual Merchandising Strategy: Developing a National In-store Strategy Using a Merchandising Service Organization*

4	Apparel Costing and Export Documentation	CREDIT-5 TOTAL HOURS:75
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Objectives:

To study about costing and export documentation in apparel industry

Unit I:

Cost estimation of yarn, knitted fabric, dyeing, printing & finishing. Cost estimation for cutting, stitching, checking, forwarding, shipping and insurance –INCO terms & their relationship with costing. Estimation of factory cost for vest, briefs, shorts, T-Shirts, pyjamas, children's wear and women's wear. Various factors to be considered in costing for domestic products & international products.

Unit II:

Introduction – Apparel Export Promotion Council and its role – Registration formalities – Registration cum membership certificate – Import Export code – RBI code. Benefits and incentives offered by Government of India to garment export. Role of SEZ and apparel parks in export.

Unit III:

Need, rationale and types of documents relating to goods – Invoice – Packing note and list – Certificate of origin – Certificates related to shipment – Mate receipt – Shipping bill – Certificate of measurement – Bill of lading – Air way bill – Documents related to payment – Letter of credit – Bill of exchange – Letter of hypothecation – Bank certificate for payment – Document related to inspection – Certificate of inspection – GSP and other forms. Importance of insurance of goods in foreign trade – ECGC and its role.

Unit IV:

Import license – Procedure for import license – Import trade control regulation procedure – Special schemes – Replenishment license – Advance license – Split up license – Spares for after sales service license – Code number – Bill of entry.

Unit V:

Pre shipment inspection and quality control – Foreign exchange formalities – Pre shipment Documents. Shipment of goods and port procedures – Customs clearance.

Reference Books:

1. D. Sinha., - "*Export Planning and Promotion* ", - IIMS, Calcutta (1989).
2. Tuhin K. Nandi., - "*Import - Export Finance* ", - IIMS, Calcutta (1989).
3. Elaine Stone, Jean A. Samples., - "*Fashion Merchandising* ", McGraw Hill Book Company (1985) ISBN: 0 - 07 - 061742 - 2.
4. S. Shivaramu., - "*Export Marketing - A practical guide to Exporters* ", Wheeler Publishing (1996) ISBN: 81-7544-166-6.

5	Pattern Making ,Garment Construction, Adult wear Lab	CREDIT-5 TOTAL HOURS:75
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Objectives:

To design, draft and construct adult wear garments

List the Measurements required and Materials suitable - Calculate the cost of the garment

Calculate the material required – Layout Method and Direct Measurements Method.

Exercise 1:

Skirts – Circular/umbrella/panel with style variations.

Exercise 2:

Blouse- front open, Fashioned neck, Waist band at front, with sleeve.

Exercise 3:

Salwar / Churidhar / Parallels/ Bell Bottom / Saree Petticoat/ Six Panel /Decorated bottom

Exercise 4:

Kameez – with /without slit, with or without flare, with /without opening, with or without panels, with /without yoke.

Exercise 5:

Nightie –With yoke, front open, with sleeve, full length.

Exercise 6:

Ladies pant- waist band, zip attached, tight fitting / parallel pants.

Exercise 7:

Short kurta / top – Decorative / surface design in tailored placket, with or without collar.

Exercise 8:

S.B.Vest – with/ without collar, button attached, sleeveless

Exercise 9:

Full sleeve shirt – full open, shirt collar, patch pocket, full sleeve with cuff

Exercise 10:

Kalidhar kurtha – kali piece, side pocket, round neck, half open

Exercise 11:

Pyjama- Elastic /Tape attached waist.

Exercise 12:

Pleated trousers – pleats in front, Darts at back, side pocket, fly with button /zip.

Exercise 13:

Bermuda's –patch pocket

References:

1. *Garment Construction*, Fox Chapel Publishing, 2011

6	Design Collections Lab	CREDIT-5 TOTAL HOURS:75
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Objectives:

To develop a collection of different designs

Exercise1:

Students will develop a Collection on any one of the following categories.

- Women's , Kid's , Men's

Each collection will incorporate supporting design process as follows, -

Exercise2:

Mood board

Exercise3:

Story board

Exercise4:

Fabric development

Exercise5:

Design development

Exercise6:

Range development

Exercise7:

Final collection

Exercise8:

Flats and specifications

Exercise9:

Cost sheet

7	CAD Lab- II	CREDIT-2 TOTAL HOURS:30
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Objectives:

To develop design skills using computer

Exercise 1:

Weave-Creation of various weaves, Creation of various stripes, checks, plaids, dobby designs, Application of colours, Weave insertion, Weave association, Fabric simulation

Exercise 2:

Design and Repeat- Creation of designs, Tracing of designs, Repeat setting, Changing of repeat, Application of colours.

Exercise 3:

Jacquard-Creation of designs, Tracing of designs, Repeat setting, Application of colours, Application of weaves, Fabric simulation

Exercise 4:

Knit-Creation of designs, Tracing of designs, Repeat setting, Application of stitches, Gauge setting, Fabric Simulation

Exercise 5:

Application of colour harmony in Design- Monochromatic, Analogous, Complementary, Double Complementary, Split Complementary, Triad, Tetrad, Neutral.

Exercise 6:

Applications of Principles of Design in Dress design- Balance, Formal& Informal, Rhythm (by Line movement, Gradation, Repetition), Emphasis, Proportion, Harmony.

Exercise 7:

Design Garments each garment for Men, Women and Children

Party Wear, Sportswear, Fashion show, winter wear, summer wear, spring wear, School uniforms

Exercise 8:

Prepare pattern – Bib, Jabla, Knicker

Exercise 9:

Grade the pattern- Bodice front and back

8	Fashion Draping Lab	CREDIT-3 TOTAL HOURS:45
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Objectives:

To develop draping skills

LIST OF EXPERIMENTS

1. Development of the basic Blocks for Men's and Women (top and bottom)
2. Pattern for Men's Formal shirt
3. Pattern for Men's formal trouser (pleats and Flange)
4. Pattern for Women's Tops (application of Dart manipulation principle)
5. Pattern for Women's Bottoms (skirts, pants – Added fullness techniques Gatherings and pleats)
6. Patterns for children's dresses (principles of contouring applied)
7. Patterns for Close fitting body shapes
8. Design Variations
9. Dart less shapers
10. Sleeve bodice combination

SEMESTER VI

1	Entrepreneurship Development	CREDIT-4 TOTAL HOURS:60
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Objectives

To familiarize the students with the process and procedure of setting up, new enterprises.

Unit I

Introduction to entrepreneurship ,Scope of Entrepreneurship, Classification of entrepreneurship, development of entrepreneurship, role of entrepreneurs in development of apparel and fashion industry, Entrepreneur vs Intrapreneur- Women Entrepreneurship- Recent Development-Problems

Unit – II

Organizations Entrepreneurial support by state, central financial institutions, organizations, Institutional support and incentives to entrepreneurs- Government policies with reference to textile and apparel industry. Entrepreneurship in apparel industry. Business planning – Starting a new venture related to apparel industry, essentials of a successful centre; Location & plant layout-factors influencing

Unit – III

Micro Small and Medium Enterprises- Features- Objectives- Importance- Role of SME in the economic development- MSME Act 2006- Salient features- Credit Guarantee Fund Trust Scheme for MSMEs - Industrial estates-Classification-Benefits- Green channel- Bridge capital- Seed capital assistance

Unit IV

Industrial Management Industrial sickness and remedies, tax planning, VAT, Patent Rules, Factory Act, Minimum wages, knowledge of exemptions & deductions. Health and safety Measures in Textiles and garment industries. Classification of incentives – Subsidy - Types of Subsidy

Unit V

Project Report - Meaning-Definition - Purpose of project reports-Requirements of good report - Methods of reporting - General principles of a good reporting system - Performa of a project report - Sample project report. (The preparation of sample project report shall be treated as an assignment of this course).

Reference:

1. RajaGopal, Entrepreneurship & Rural markets
2. H.B.S. press, Harward Business Review on Entrepreneurship Harward business review, USA
3. Michele Gananger, Fashion Entrepreneurship Retail Business planning.
4. Harrel W. For Entrepreneurs only. Career Publishing
5. Jain G R & Gupta D, New Initiatives in Entrepreneurship Education & Training.

2	Event Management	CREDIT-5 TOTAL HOURS:75
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Objectives:

To study about event management aspects

Unit 1:

Events, their need and management, Events and Event Management: What are events, Types of event & Event Management, Understanding Events - Events as a communication tool. Events as a marketing tool The Need: Why do we need events; Growing importance of events like, exhibitions, seminars and conventions worldwide

Unit 2:

Principles of event management planning, Creativity, Event feasibility, The competitive environment Setting realistic objectives, Taking a brief, Time lines and budgeting.

Unit 3:

Marketing Event Management, The marketing mix, Branding, Market segmentation, Pricing, Advertising and marketing the event, Promotion, Market research, International marketing

Unit 4:

Sponsorship, Core principles of sponsorship, why companies sponsor, Elements of good sponsorship Identifying appropriate sponsors and sponsorships, Managing sponsorship relationships

Unit 5:

PR in Event Management, Creating a PR plan for your event, Press and broadcast media relations, Getting material onto TV and radio, Briefing journalists, Preparing press releases and press packs, Commissioning and briefing photographers, Maximizing publicity opportunities for your event

Reference Books:

1. Lynn Van Der Wagen, *Event Management*
2. *Event Management: A Booming Industry and an Eventful Career*

3	Home Furnishing Lab	CREDIT-3 TOTAL HOURS:45
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Objectives:

To study about home textiles and to prepare samples

Exercise 1:

Introduction to home textiles- types of home textiles, recent trends in home textiles

Exercise 2:

Floor and wall coverings – types of floor covering –hard, soft and resilient floor coverings.

Wall covering- uses, care and maintenance of wall coverings.

Exercise 3:

Door and window treatments – parts of door and windows, curtains and draperies – definition and materials used for curtains and draperies .

Types of Curtains –draw, tailored, pleated, café, three tier curtains.

Types of Draperies – swags.

Accessories- rods hook, rails, racks, curtain tape pins.

Exercise 4:

Soft furnishings for living and bed linen.

Exercise 5:

Soft furnishings for kitchen and dining ,types of kitchen linens – kitchen towel, aprons, dish cloth, fridge, grinder and mixer covers, mittens, fridge holders –their uses and care. Types of dining- table mat, dish/pot holders, cutlery holder, fruit baskets, hand towels-uses and care. Bathroom linens – types, uses and care.

Reference:

1. Clive Edwards, *Encyclopedia of Furnishing Textiles, Floor Coverings and Home Furnishing Practices*, 2007

4	Project & Viva voce	CREDIT-5 TOTAL HOURS:75
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Every student will be assigned the Final Project at the end of the Fifth Semester.

The Final Project will be pursued by him/her under the supervision of an internal supervisor in the Sixth semester. The student will make his/her final project on the subject/theme approved by the Director of the Institute/HOD in the fifth semester.

The Project Reports (induplicate) both hard & soft copy will be submitted by the students at least four weeks prior to the date of commencement of the End-Term Examination of the Sixth Semester. At the time of viva, the students will make a Power Point Presentation of the Final Project.

The Project Report carries 100 Marks. It will be evaluated by External and Internal Examiners separately from out of 50 marks each.

5	Internship	CREDIT-6 TOTAL HOURS:90
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- Students will be asked to go for 3 days in week internship training during final semester
- Students will be given a case study during the internship and they have to submit a report thereon at the end of the semester, on dates announced by the institute/department. The guidelines for training will be provided by the institute/department.
- A team consisting of Internal & External experts will evaluate the Record and conduct the Viva Voce at the end of the Final Semester.

NAME OF THE BOARD MEMBERS

SIGNATURE

1. Dr M P Rajan

2. Dr. Puneet Sood

3. Mr.Nishanth Sharma

4. Dr. K P Balakrishnan

5. Dr.S Karpagam Chinnammal

6. Dr.Nirmala Varghese

7. Smt.K Kalaichelvi

5	Internship	CREDIT-6 TOTAL HOURS:90
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- Students will be asked to go for 3 days in week internship training during final semester
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SIGNATURE

1. Dr M P Rajan

2. Dr. Puneet Sood



3. Mr.Nishanth Sharma



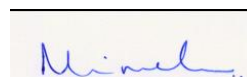
4. Dr. K P Balakrishnan



5. Dr.S Karpagam Chinnammal



6. Dr.Nirmala Varghese



7. Smt.K Kalaichelvi

