



**PSGR  
Krishnammal College for Women**



**DEPARTMENT OF COSTUME AND APPAREL DESIGN**

**PROGRAMME:M.Sc.FASHIONANDAPPARELDESIGN**

**CHOICEBASEDCREDITSYSTEM(CBCS)&**

**LEARNINGOUTCOMES-BASED CURRICULAR FRAMEWORK(LOCF)**

**(SEMESTER –I)**

**M.Sc.FASHION AND APPAREL DESIGN**

**2024-2026 Batch**



### **PROGRAMME LEARNING OUTCOMES (PLO's)**

After completion of the programme, the student will be able to

- **PLO1:** Understand diverse cultural influences and market demands of apparel industry
- **PLO2:** Create innovative functional and aesthetic apparels including accessories.
- **PLO3:** Design apparels with advanced digital tools and technologies
- **PLO4:** Research and analyze textile and fashion trends
- **PLO5:** Apply knowledge and skill in the fashion field and entrepreneur.

### **PROGRAMME SPECIFIC OUTCOME (PSO's)**

The students at the time of graduation

- **PSO1:** Graduates can function independently with their innovative and creative skills
- **PSO2:** Graduates will be able to meet the current Industries requirements
- **PSO3:** Graduates Can Undertake the research/projects sector to new product development



**M.Sc. FASHION AND APPAREL DESIGN (2025-2027 BATCH & ONWARDS)  
CHOICEBASEDCREDITSYSTEM(CBCS)&LEARNINGOUTCOMES-BASED  
CURRICULAR FRAMEWORK (LOCF)  
(SEMESTER –I)**

Programme and Branch M.Sc.FAD											
Syllabus & Scheme of Examination 2024-2026 Batch & Onwards											
SEMESTER	Course Code	Title of the course	Course type	Instruction hours/week	Contact hours	Tutorial hours	Duration of Examination	Examination Marks			Credits
<b>I</b>								CA	ESE	TOTAL	
	MFD2401	Fashion Forecasting and Product Development	CC	4	58	2	3	25	75	100	4
	MFD2402	International Trade and Documentation	CC	4	58	2	3	25	75	100	4
	MFD2403	Apparel Production Planning and Control	CC	4	58	2	3	25	75	100	4
	MFD24P01	Creative Draping Lab	CC	6	90	-	4	25	75	100	3
	MFD24P02	Accessories for Fashion Ensemble	CC	6	75	-	3	25	75	100	3
	MFD24P03	New Product Design Development – Functional Clothing Lab	CC	6	90	-	3	25	75	100	3
<b>I-III</b>	17MONL1	Online Course 1 #	ACC	-	-	-	-	-	-	-	Completion Certificate

**CC**-All Core Courses

**ACC**-Online course #

**CA**- Continuous Assessment

**ESE**-End Semester Examination Gr-Grade

## **QUESTION PAPER PATTERN 2024-2026 Batch**

### **Question Paper Pattern and distribution of marks PG-Core and Allied-(First 3 Units) CA**

#### **Question from each unit comprising of**

One question with a weightage of 2 Marks	2 x 3 = 6
One question with a weightage of 5 Marks (Internal Choice at the same CLO level)	5 x 3 = 15
One question with a weightage of 8 Marks (Internal Choice at the same CLO level)	8 x 3 = 24
<b>Total</b>	<b>45 Marks</b>

### **End Semester Examination – Question Paper Pattern and Distribution of Marks**

#### **PG-Core and Allied courses:**

#### **ESE Question Paper Pattern: 5x15=75 Marks**

#### **Question from each unit comprising of**

One question with a weightage of 2 Marks	2 x 5 = 10
One question with a weightage of 5 Marks (Internal Choice at the same CLO level)	5 x 5 = 25
One question with a weightage of 8 Marks (Internal Choice at the same CLO level)	8 x 5 = 40
<b>Total</b>	<b>75 Marks</b>

### **Continuous Internal Assessment Pattern Theory**

#### **I Year UG / PG (25 Batch)**

CIA Test	:	5 marks (Conducted for 45 marks after 50 days)
Model Exam	:	7 marks (Conducted for 75 marks after 85 days (Each Unit 15 Marks))
Seminar/Assignment/Quiz:		5 marks
Class Participation	:	5 marks
Attendance	:	3 marks
<b>Total</b>		<b>25 Marks</b>

#### **Practical**

Lab Performance	:	7 marks
Regularity	:	5 marks
Model Exam	:	10 marks
Attendance	:	3 marks
<b>Total</b>	:	<b>25 marks</b>

#### **ESE Practical Pattern**

The End Semester Examination will be conducted for a maximum of 75 marks with a maximum 15 marks for the record and other submissions if any.

#### **Attendance component in CA**

91-100% attendance:	3 Marks
81-90% attendance	: 2 Marks
75-80% attendance	: 1 Marks

COURSE CODE	COURSENAME	Category	L	T	P	Credit
MFD2401	FASHIONFORECASTINGAND PRODUCT DEVELOPMENT	Theory	58	2	-	4

### Preamble

This course explores the intricacies of fashion forecasting and design logics in apparel production and Market analysis

### Course Learning Outcomes

On the successful completion of the course, students will be able to

CLO Number	CLO Statement	Knowledge Level
CLO1	Acquire knowledge on types, sources, processes and services of fashion forecasting	K1
CLO2	Explain the forecasters and forecasting services role and decision-making processes	K2
CLO3	Develop plans to engineer apparel products	K5
CLO4	Develop new products and evaluation of suitability function	K6
CLO5	Evaluate the economics underlying apparel products and projects	K6

### Mapping with Programme Learning outcomes.

CLOs	PLO1	PLO2	PLO3	PLO4	PLO5
CLO1	S	S	S	S	S
CLO2	S	S	S	S	S
CLO3	M	S	S	S	S
CLO4	S	S	S	S	S
CLO5	S	M	M	S	S

**S–Strong; M–Medium Syllabus .**

### Unit I

**11 Hours**

Definition of forecasting - types of forecasting –process of research, colour research fashion research, customer profile research. Source of fashion forecasting information –forecasting agencies and their role in forecasting. Seasons and their impact on fashion. Compiling fashion forecasting information - forecasting agencies – forecasting magazines – websites – information in the forecasting publications. Fashion forecasting in Indian Scenario.

**Unit II****12 Hours**

Fashion forecasting packages and magazines, specialist fashion forecasting companies – the role of forecaster in aiding fashion designers, developers and retailers- process of forecasting- decision making process-when to start forecasting for the selling season.

**Unit III****12 Hours**

Design logic of apparel products - Classification of textile products, components, aesthetics and comfort of textile products, anthropometry, sizing, body scanning and fit analysis. Material, specification, properties and technology of constituent fibres, yarns, fabrics and apparels.

**Unit IV****12 Hours**

Building of the first design ideas, planning to costing, line building, from spec to samples, productionsellingaccordingtotheseasons.Developingnewproduct - Ideageneration,ideascreening, concept testing, business analysis, the product development process, group product development, research, test marketing, commercialization.

**UnitV****11 Hours**

Evaluation of portfolio of products or projects –introduction and purpose of economic analysis – market potential – market demand – estimating sales –estimating cost and profit. Marketing analysis - advertising and media planning, fashion shows and other events, Industry tour and project. surveysand organizing of exhibitions.

**Text Books:**

S.NO	NameoftheAuthors	Titleofthebook	Publishers	Year and Edition
1.	Harold Carr & John Pomeroy	Fashion Design and Product development	Wiley India (P) Ltd	2009, 1 <sup>st</sup> edition
2.	Michael R. Solomen, NancyJ.Rabit	ConsumerBehaviorin Fashion	PearsonEducation Inc.	2008, 2nd edition
3.	Kitty G. Dickerson	Inside the Fashion Business	Penticehall	2002, 7th edition

**ReferenceBooks:**

S.NO	NameoftheAuthors	Titleofthebook	Publishers	Year and Edition
1.	Evelyn Brannon L, LorynnDivita	FashionForecasting	Bloomsbury Academic	2015, 4th edition
2.	GiniStephens Frings	FashionfromConcept to Consumer	PearsonEducation Inc.	2007, 9th Edition
3.	PeterMcClaud	Past and PresentTrends Fashion Technology	Abhishek Publications	2013

### **E-Journals:**

- Journal of Textile and Apparel, Technology and Management
- Journal of Textile Engineering and Fashion Technology
- Fashion and Textiles
- Journal of Fashion Technology & Textile Engineering
- Textile World
- Trends in Textile Engineering & Fashion Technology
- The Textile Association

### **Pedagogy.**

Lecture by chalk and talk, powerpoint presentation, e-content, group discussion, assignment, quiz, peer learning, seminar.

### **Course Designer.**

Dr.R.Radhika

<b>COURSE CODE</b>	<b>COURSENAME</b>	<b>Category</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
<b>MFD2402</b>	<b>INTERNATIONAL TRADE AND DOCUMENTATION</b>	<b>Theory</b>	<b>58</b>	<b>2</b>	<b>-</b>	<b>4</b>

#### **Preamble**

This course helps to gain insights into the multifaceted landscape of international trade, export procedures and promotional councils, and the intricate web of global commerce.

#### **Course Learning Outcomes.**

On the successful completion of the course, students will be able to

<b>CLO Number</b>	<b>CLO Statement</b>	<b>Knowledge Level</b>
<b>CLO1</b>	Understand international trade theories and concepts	K1
<b>CLO2</b>	Explain the regulatory requirements, including customs procedures and import/export restrictions, that impact international trade	K2
<b>CLO3</b>	Demonstrate proficiency in preparing and processing essential trade documents.	K3
<b>CLO4</b>	Understand the role of promotional councils and financial institutions in facilitating international trade transactions.	K3
<b>CLO5</b>	Evaluate the significance of regional trade agreements and their effects on participating countries.	K6

#### **Mapping with Programme Learning Outcomes.**

<b>CLOs</b>	<b>PLO1</b>	<b>PLO2</b>	<b>PLO3</b>	<b>PLO4</b>	<b>PLO5</b>
<b>CLO1</b>	S	S	M	S	S
<b>CLO2</b>	S	M	M	S	S
<b>CLO3</b>	S	S	M	S	S
<b>CLO4</b>	S	S	M	S	S
<b>CLO5</b>	S	M	M	S	S

**S–Strong; M–Medium** **Syllabus.**

#### **Unit I**

**11 Hours**

Need for international trade – features – advantages – problems of foreign trade.

International trade documents - regulatory frame work – foreign trade documents – regulatory and commercial documents – letter of credit – contract terms and export documents – GRI standards in the apparel industry – Impact and certification.



**Unit II****12 Hours**

WTO - globalization – EXIM policy – regional trade agreements – current trends in international trade. Export order execution - steps in export procedure, risks involved in documentation procedure, customs clearance. Export risk management, export barriers-tariff and non tariff barriers.

**Unit III****11 Hours**

Export procedures-getting established as an exporter-entering in to export contract-execution-post shipment procedures –export promotion measures –incentive and facilities to exporters. Import procedures - import process – customs clearance for imports –role of custom and exercise in international trade.

**Unit IV****12 Hours**

Multi fiber agreement and bilateral textile agreements signed by India with importing quota countries. Government of India's export entitlement policy on garment exports. Export firm nature of export firm, setting up of an export firm, export licensing, registration formalities –registrations with RBI, EPC, DGFT, commodity boards, income tax and customs authorities.

**Unit V****12 Hours**

Role of export promotional councils, commodity boards, ECGC, role of commercial banks, establishment & significance of SEZ & EPZ, availing concessions and incentives under various export promotion schemes, duty drawback, subsidies. Trade blocs: Effects of trade blocs on world trade, major trade blocs– EU, ASEAN and NAFTA

**Text Books :**

S.NO	Name of the Authors	Title of the book	Publishers	Year and Edition
1.	Aseem Kumar	Export and import management	Excel Books	2007, 1 <sup>st</sup> edition
2.	Francis Cherunilam	International Trade and Export Management	Himalaya publishing house	2008, 21 <sup>st</sup> revised edition
3.	Bala Gopal	Export Management	Himalayan Publications	2016 1 <sup>st</sup> edition

**Reference Books:**

S.NO	Name of the Authors	Title of the book	Publishers	Year and Edition
1.	Darlie O. Koshy	Garment Exports	Prentice Hall	2006
2.	Sudhir Kochhar	Export Import Procedures and Documentation,	Gully Baba Publishing House	2012
3.	Agarwal Raj	Indian Foreign Trade	Excel Books	2002, 1 <sup>st</sup> Edition

**E– Journals :**

- Fashionand Textiles
- TheTextileAssociation
- TrendsintextileEngineering&FashionTechnology
- Textile World

**Pedagogy.**

Lecture by chalk and talk, power point presentation, e-content, group discussion, assignment,quiz, peer learning, seminar, demonstration.

**CourseDesigner.**

Dr.R.Radhika

<b>COURSE CODE</b>	<b>COURSENAME</b>	<b>Category</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
<b>MFD2403</b>	<b>APPARELPRODUCTIONPLANNING AND CONTROL</b>	<b>Theory</b>	<b>58</b>	<b>2</b>	<b>-</b>	<b>4</b>

#### **Preamble**

This course provides a holistic understanding of apparel manufacturing, emphasizing efficiency, quality, and emerging advancements

#### **Course Learning Outcomes**

On the successful completion of the course, students will be able to

<b>CLO Number</b>	<b>CLO Statement</b>	<b>Knowledge Level</b>
<b>CLO1</b>	Understand the basic techniques of production control in apparel industry.	K2
<b>CLO2</b>	Describe the pre-production functions and product development process.	K2
<b>CLO3</b>	Identify the production systems for apparel industry based on style and quantity of merchandise.	K3
<b>CLO4</b>	Determine the capacity planning and line balancing techniques to achieve balanced production.	K4
<b>CLO5</b>	Prepare the flow process grids and scheduling charts for production control and explain the cut order planning and control forms for apparel industry.	K5

#### **Mapping with Programme Learning outcomes.**

<b>CLOs</b>	<b>PLO1</b>	<b>PLO2</b>	<b>PLO3</b>	<b>PLO4</b>	<b>PLO5</b>
<b>CLO1</b>	S	S	S	S	S
<b>CLO2</b>	S	S	S	S	S
<b>CLO3</b>	S	M	S	M	S
<b>CLO4</b>	S	M	S	S	S
<b>CLO5</b>	S	S	S	M	S

**S–Strong; M– Medium**

## **Syllabus**

### **Unit I**

**12 Hours**

Apparel Manufacturing Industry-Nature and Scope. Major functions of apparel manufacturing Engineering and Management functions. Material flow in apparel industry. Introduction to core concepts of apparel production, evolution of apparel production processes mass production concepts and standardization of sizing. Various production systems practiced in India and their application for different apparel products, emerging trends in apparel production processes.

### **Unit II**

**12 Hours**

Production Planning and control-objectives, levels, functions and strategies. Production control-objectives, importance and functions. Role of production planning and control department in apparel industry. Productivity-concept, measuring productivity and characteristics. Pre-production functions – product acceptance, steps from prototype to production model, order requirements. Work study - Definition, purpose, techniques of work study. Procedure of work study-Pre and post production.

### **Unit III**

**12 Hours**

Spreading, cutting and sewing-Apparel production processes - Introduction to garment cutting, marker planning, efficiency of marker, methods of marker planning, and spreading of the fabric to form a lay, spreading requirements, methods of spreading, objectives of cutting, and methods of cutting. Automation in spreading, cutting and sewing. Robotics for 3D sewing operations. Stitches and classification, seam and seam classification, seam and seam stitch defect analysis.

### **Unit IV**

**11 Hours**

Finishing, quality checking and packing-apparel finishing importance of garment pressing and finishing, types of garments, pressing of garments and specialty garment finishes. Quality checking - inspection, interactive bar coding, needle detection. Packaging and warehousing-types of packing and packing materials, quality specification, merchandise packing and shipping packing, intra transport, warehousing. Computerized storage systems, automation in material handling

### **Unit V**

**11 Hours**

Capacity planning and innovative trends-Determination of machinery requirements for a new factory, calculation of labour requirements, application of line balancing techniques, balance control. Advanced tools and equipment in industrial engineering. Innovative trends and challenges in apparel production - IT applications in capturing motion economy and time measurement, lowering energy consumption and minimizing environmental impact

**TextBooks:**

S.No	Name of the Authors	Titleofthebook	Publishers	Year and Edition
1.	ChuterA J	Introduction to Clothing Production Management	Blackwell Publishing	1995, 2 <sup>nd</sup> edition
2.	K. Sukumar&G.S.Sivakumar	Apparel Quality Control for Garment /ApparelTechnology	S.S.M.I.T.T, StudentsCo-operative StoresLtd	2007
3.	Seema Kapoor	ApparelManufacturing Technology	Sonali Publications	2012, 1 <sup>st</sup> edition

**ReferenceBooks:**

S.N O	NameoftheAuthors	Titleofthebook	Publishers	Year and Edition
1.	K.ShridharaBhat	Production and operations management	Himalaya publishing house	2011,1 <sup>st</sup> edition
2.	K.Sukumar&G.S. Sivakumar	Garment Technology	S.S.M.Institute of Textile Technology &Polytechnic College	2008,1 <sup>st</sup> edition
3.	GordanaColovic	Management of Technology System in Garment Industry	Woodhead Publishing	2010, 1st edition
4.	I.R.Mutusamy& V.Ilango	Technology of fabric manufacture -	S.S.M.I.T.T, Students co - operatives storesltd	2007

**E-Journals**

- AutexResearch Journal
- Fashionand Textiles
- IndustrialTextile
- JournalofEngineered FibersandFabrics

- Journal of Fashion Technology & Textile Engineering
- Journal of Textile and Apparel, Technology and Management
- Textile World
- Trends in Textile Engineering & Fashion Technology
- Journal of Textile Engineering and Fashion Technology

### **Pedagogy**

Lecture by chalk and talk, power point presentation, e-content, group discussion, assignment, quiz, peer learning, seminar.

### **Course Designer**

Dr.R.Radhika

<b>COURSE CODE</b>	<b>COURSENAME</b>	<b>Category</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
<b>MFD24P01</b>	<b>CREATIVEDRAPINGLAB</b>	<b>Practical</b>		-	<b>90</b>	<b>3</b>

### **Preamble**

This course analyse and understand the fabric structures, to translate draping concepts and various draping techniques into silhouettes forms.

### **Course Learning Outcomes**

On the successful completion of the course, students will be able to

<b>CLO Number</b>	<b>CLO Statement</b>	<b>Knowledge Level</b>
<b>CLO1</b>	Apply intermediate draping techniques to create complex garment components.	K2
<b>CLO2</b>	Demonstrate proficiency in basic draping methods	K3
<b>CLO3</b>	Analyze and experiment with asymmetrical draping techniques.	K3
<b>CLO4</b>	Integrate unconventional materials and found objects into draping projects.	K5
<b>CLO5</b>	Reorganize draping with other design elements, with various design embellishments and surface embellishments.	K6

### **Mapping with Programme Learning outcomes.**

<b>CLOs</b>	<b>PLO1</b>	<b>PLO2</b>	<b>PLO3</b>	<b>PLO4</b>	<b>PLO5</b>
<b>CLO1</b>	M	M	S	M	S
<b>CLO2</b>	M	S	S	S	S
<b>CLO3</b>	S	M	S	S	S
<b>CLO4</b>	S	S	S	S	S
<b>CLO5</b>	S	S	S	M	S

**S–Strong; M– Medium**

## Syllabus.

1. Effect of fabric on forms for skirts - Type of fabric - Wovens, knits, Nonwovens, non-textile-leather, paper, fusion of materials **6 Hours**
2. Weight of fabric - lightweight, medium weight and heavy weight. **6 Hours**
3. Effect of fabric on forms for skirts - Types of silhouettes - bell and balloon, circle and triangle. **10 Hours**
4. Intermediate draping - Skirts - Kilt and pegged, Dirndl, yoke with flare and flounces. **18 Hours**
5. Intermediate draping - Blouses - Bustier, peasant with incorporation of collar and sleeve by draping technique. **13 Hours**
6. Intermediate draping - Blouses - Gibson girl with incorporation of collar and sleeve by draping technique. **10 Hours**
7. Intermediate draping - Pants - Harem, hakama and wide leg pants. **9 Hours**
8. Advanced draping - Asymmetrical and biased drapes. Gowns - Shift and empire **18 Hours**

## Text Books :

S.No	Name of the Authors	Title of the book	Publishers	Year and Edition
1.	Kamal Khurana	Draping and Pattern Making	Sonali Publications	2012, 5 <sup>th</sup> edition
2.	Manmeet Sodhia	Advanced Drafting and Draping	Kalyani Publishers	2014 edition
3.	Draping For Apparel Design	Armstrong	Bloomsbury Publishing India Private Limited; 3 <sup>rd</sup> edition	2013, 3 <sup>rd</sup> edition

## Reference Books

S.No	Name of the Authors	Title of the book	Publishers	Year and Edition
1.	Hisako Sato	Drape Drape 2: Now in English	Laurence King Publishing	2012, 2 <sup>nd</sup> edition
2.	Karolyn Kiisel	Draping the complete course	Laurence King Publishing.	2020, 2 <sup>nd</sup> edition
3.	Connie Amaden-Crawford,	Art of fashion draping	Fairchild Books	2004, 3 <sup>rd</sup> edition



**E Journals:**

- FashionStudies
- Trends in Textile Engineering & Fashion Technology
- Textile World

**Pedagogy.**

Lecture by chalk and talk, power point presentation, e-content, group discussion, peer learning, demonstration.

**Course Designer.** Dr. R.  
Radhika

<b>COURSE CODE</b>	<b>COURSE NAME</b>	<b>Category</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
<b>MFD24P02</b>	<b>SEMESTER – I ACCESSORIES FOR FASHION ENSEMBLE</b>	<b>Practical</b>	<b>-</b>	<b>-</b>	<b>75</b>	<b>3</b>

### **Preamble**

This course helps to explore the art of designing and crafting a variety of fashion accessories, culminating in a presentation of the styled creations.

### **Course Learning Outcomes**

On the successful completion of the course, students will be able to

<b>CLO Number</b>	<b>CLO Statement</b>	<b>Knowledge Level</b>
CLO1	Understand the fundamental principles of accessory designing	K1
CLO2	Identify the suitability of textile/materials for accessory development	K2
CLO3	Apply creative thinking to repurpose and upcycle materials for accessory creations.	K3
CLO4	Develop patterns and accessories to compliment clothing ensembles	K4
CLO5	Compile the different aspects of design and product development into design sheets	K5

### **Mapping with Programme Learning Outcomes**

<b>CLOs</b>	<b>PLO1</b>	<b>PLO2</b>	<b>PLO3</b>	<b>PLO4</b>	<b>PLO5</b>
CLO1	S	S	S	S	S
CLO2	S	S	S	M	S
CLO3	S	M	S	S	S
CLO4	S	S	M	S	S
CLO5	S	S	S	S	S

**S-Strong; M-Medium**

### **Syllabus**

Design and develop the following items with own ideas, materials and creativity

- |                              |          |
|------------------------------|----------|
| 1. Scarf for stole           | 7 Hours  |
| 2. Tie or muffler (neckband) | 7 Hours  |
| 3. Hat or cap                | 10 Hours |

4. Gloves or mittens 10Hours
5. Belt or suspenders 7Hours
6. Tote bag or clutch 7Hours
7. Pouch or wallet 7Hours
8. Design creation- Anyone of the above products or accessory to be developed from recycled/biodegradable/sustainable materials 10Hours
  - Selection of theme and research
  - Moodboard
  - Colour board
  - Flat and illustration board
9. Design sheet development – The selected theme/ designs to be used as basis for design composition 10Hours
  - Product development
  - Photoshoot
  - Composition as design sheets

### Instruction to students

- Material selection should include recycled/biodegradable/sustainable materials for selected items
- Design development for each experiment should have five illustrations as flats  
one selected design to be developed as technical pattern and final product
- Design sheet should be in digital format
- Incorporation of techniques like crochet, knitting, tatting, macrame, tie and dye, batik and others in accessory development.

### REFERENCE BOOKS

S.NO	Name of the Authors	Title of the book	Publishers	Year of Publication
1.	Patrick John Ireland	New encyclopedia of fashion details	Om book international	2008
2.	Anmol Roy	Fashion Designing of Clothes and Ornaments	Sonali Publications	2011
3.	Aldred F. Basker	Ornamentation and textile design	Abhishek Publications	2009
4.	Jay Diamond & Ellen Diamant	Fashion apparel, accessories, & home furnishings	Dorland Kindersley (India) Pvt Ltd	2006
5.	Bina Abbing & Phyllis Tortora	The Fairchild Encyclopedia of accessories,	Om Book Service	2003
6.	Chandini Kakar	Encyclopedia of fashion accessories	Indica Publishers	2005
7.	Kamal Khurana	Merchandising of Fashion Products	Sonali Publications	2012
8.	Anita Tyagi	Ornamentation and Textile Design	Sonali Publications	2011

9.	ChandiniKakar	BestoutofWaste(Garments)	IndicaPublishers	2005
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## **E-Journals**

- Elevate Your Look- The Power of Accessories in Fashion
- The Ultimate Accessory Guide
- Sustainable Style Eco-Friendly Accessories for Modern Fashion
- Luxury on a Budget- Affordable Accessories That Look Expensive

## **Pedagogy**

Lecture by chalk and talk, power point presentation, e-content, group discussion, peer learning and demonstration

## **Course Designer**

Ms.A.Yamuna devi &Ms.Jasira Banu

<b>COURSE CODE</b>	<b>COURSENAME</b>	<b>Category</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credit</b>
<b>MFD24P03</b>	<b>NEW PRODUCT DESIGN DEVELOPMENT–FUNCTIONAL CLOTHING LAB</b>	<b>Practical</b>	<b>-</b>	<b>-</b>	<b>90</b>	<b>3</b>

### **Preamble**

This course explores the details of design development and product marketing across various industries and shaping the future of functional and specialized apparel sectors

### **Course Learning Outcomes**

On the successful completion of the course, students will be able to

<b>CLO Number</b>	<b>CLO Statement</b>	<b>Knowledge Level</b>
<b>CLO1</b>	Describe the design principles and development processes	K2
<b>CLO2</b>	Interpret specialized fabrics, features, and construction techniques suitable for work environments.	K3
<b>CLO3</b>	Discriminate product development process for raw material to finish the product.	K4
<b>CLO4</b>	Create innovative designs for functional wear that blend functionality, comfort, and professionalism	K5
<b>CLO5</b>	Assess the adaptive features and user-centered design principles for specialized apparel.	K6

### **Mapping with Programme outcomes.**

<b>CLOs</b>	<b>PLO1</b>	<b>PLO2</b>	<b>PLO3</b>	<b>PLO4</b>	<b>PLO5</b>
<b>CLO1</b>	S	S	S	S	S
<b>CLO2</b>	S	M	S	S	S
<b>CLO3</b>	S	S	S	S	S
<b>CLO4</b>	S	M	S	S	S
<b>CLO5</b>	S	S	S	S	S

**S–Strong; M– Medium**

## Syllabus

- |   |                 |
|---|-----------------|
| 1. Design development – Industrial corporate wear   | <b>5 Hours</b>  |
| 2. Prototype development and marketing – Industrial corporate wear  | <b>5 Hours</b>  |
| 3. Design development – Protective/medical work wear  | <b>10 Hours</b> |
| 4. Prototype development and marketing – Protective/medical work wear   | <b>10 Hours</b> |
| 5. Design development – Military uniform  | <b>10 Hours</b> |
| 6. Prototype development and marketing – Military uniform   | <b>10 Hours</b> |
| 7. Design development – Sportswear and Prototype development and marketing – Sportswear                                 | <b>20 Hours</b> |
| 8. Design development – Clothing for special needs and Prototype development and marketing – clothing for special needs | <b>20 Hours</b> |

Design development includes:	<ul style="list-style-type: none"><li>• Theme/Topic selection</li><li>• Purpose/use of design</li><li>• Research/Review of literature</li><li>• Flat sketch development</li><li>• Selection of fabric, colours, trims and accessories</li></ul>
Product development and marketing includes:	<ul style="list-style-type: none"><li>• Proto type/ model development</li><li>• Preparation of mood board and client board</li><li>• Preparation of look book/promotional design</li><li>• Development of business plan</li><li>• Pricing and Marketing strategy</li></ul>

## Text Books:

S.NO	Name of the Authors	Title of the book	Publishers	Year and Edition
1	M.G. Mahaderan	Dictionary of Textiles	Abhishek Publications	2012, 1 <sup>ST</sup> edition
2	Singh	Fabric Studies	Kalyani Publishing	2009
3	Dr. Neelima	Fashion and Textile Design	Sonali Publications	2009 1 <sup>ST</sup> edition

**ReferenceBooks:**

S.NO	Name of the Authors	Title of the book	Publishers	Year and Edition
1.	ManmeetSodhia	Design Studies	Kalyani Publishing	2015 1 <sup>ST</sup> edition
2.	UshaKulshrestha& Radha Kashyap	Clothing Behavior	Pointer Publishers	2007
3.	Kamal Khurana	Fabrics for fashion and textile design	Sonali publications	2012 1 <sup>ST</sup> edition

**E – Journals:**

- AutexResearch Journal
- Fashionand Textiles
- InternationalJournalofTextileScience
- JournalofFashionTechnologyandTextileEngineering
- JournalofTextileandApparel,Technologyand Management
- JournalofTextileEngineeringand FashionTechnology
- Textile World
- Textiles
- TechnicalTextile

**Pedagogy.**

Lecturebychalkandtalk, powerpointpresentation,e-content, groupdiscussion,peerlearning, demonstration

**CourseDesigner.**

Dr.R.Radhika



