

Program Educational Objectives (PEOs)	
The B. Sc. Costume Design and Fashion program describe accomplishments that graduates are expected to attain within five to seven years after graduation	
PEO1	Proficient Entrepreneur or Designer
PEO2	Competent in industry, academic or research in the field of garment and fashion technology
PEO3	Flair in Garment technology, Merchandising and Fashion designing & apparel manufacturing
PEO4	Develop entrepreneurial, business and Management skill and development
PEO5	Skilled in fashion portfolio presentation, dyeing industry, basic draping and garment industry , technical textile industry.
PEO6	Possess skills of Merchandiser, Fabric inspector, Quality controller
PEO7	Develop as a costume designer, CAD designer
PEO8	Demonstrate creativity and deploy creative ideas in apparel, fashion and Textile Industry.
PEO9	Possess professional, ethical and demonstrate spirit of excellence and leadership in career
PEO10	Equip Human Values, Ethics and Principles and have a concern over the society

Program Specific Outcomes (PSOs)	
After the successful completion of B. Sc. Costume Design and Fashion program, the students are expected to	
PSO1	Professionally trained in the areas of Apparel Designing and technology and to acquire knowledge of various garments.
PSO2	Understand the basic concepts of Fashion Design, its Psychology and Traditional costumes
PSO3	Demonstrate understanding of the principles of selected fibres, Yarns, Fabrication and their Finishing techniques and methods.
PSO4	Equip with Apparel Management and Business, Merchandising, quality control and Entrepreneurial skills.
PSO5	Understand the concepts of Environmental consciousness, communication skill, holistic and value based education, and life long learning ability.

Program Outcomes (POs)	
On successful completion of the B.Sc. Costume Design and Fashion program, the students are expected to	
PO1	Design, Draft and construct children, women and men' garments and develop Fashion portfolios.
PO2	Apply the terminologies and concepts of Fashion design their respective field
PO3	Develop products with quality for market by using appropriate merchandising and marketing strategies
PO4	Plan and execute order in a garment manufacturing unit covering all stages - fiber, yarn, fabric and garment manufacture
PO5	Analyse the structure of the fabric and appraise fibre, yarn and fabric with basic tests
PO6	Enhance fabric designs with dyeing, printing and surface ornamentation techniques

BHARATHIAR UNIVERSITY: : COIMBATORE 641 046

B. Sc. Costume Design and Fashion Curriculum

(For the students admitted during the academic year 2020 – 21 onwards)

Course Code	Title of the Course	Credits	Hours			Maximum Marks			
			Theory	Practical	Exam	CIA	ESE	Total	
FIRST SEMESTER									
11T/F/H/M	Language – I	4	6	-	3	25	75	100	
12E	English – I	4	6	-	3	25	75	100	
13A	Core Paper I– Basics of Garment Construction	4	5	-	3	25	75	100	
13P	Core Practical I – Basics of Garment Construction Practical	4	-	6	4	40	60	100	
1AP	Allied Practical I - Fashion Sketching	3	-	5	-	30	45	75	
1FA	Environmental Studies #	2	2	-	-	-	50	50	
Total		21	30						525
SECOND SEMESTER									
21T/F/H/M	Language – II	4	6	-	3	25	75	100	
22E	English – II	4	6	-	3	25	75	100	
23A	Core Paper II - Fashion Designing	3	4	-	3	25	75	100	
23P	Core Practical II - Garment Construction I	4	-	5	4	40	60	100	
23Q	Core Practical III - Fashion Designing Practical	3	-	3	3	40	60	100	
2AA	Allied Paper II – Industrial Garment Production	3	4			20	55	75	
2FB	Value Education – Human Rights #	2	2	-	3	-	50	50	
Total		23	30						625
THIRD SEMESTER									
33A	Core Paper III - Costumes and Textiles of India	4	5	-	3	25	75	100	
33B	Core Paper IV - Fiber to Fabric	4	5	-	3	25	75	100	
33P	Core Practical IV - Garment Construction II	4	-	5	4	40	60	100	
33Q	Core Practical V - Fiber to Fabric Practical	4	-	4	3	40	60	100	
3AA	Allied Paper III – Textile Wet Processing	3	5			20	55	75	

3ZP	Skill Based Subject I - Dyeing and Printing	3	-	4	3	30	45	75
3FA/B/C/D	Tamil @ / Advanced Tamil# (OR) Non-major elective – I (Yoga for Human Excellence)# / Women’s Rights #	2	2	-	-	-	50	50
Total		24	30					600
Internship Training # 15 Days before the start of Fourth Semester								
FOURTH SEMESTER								
43A	Core Paper V- Fabric Structure and Design	4	5	-	3	25	75	100
43B	Core Paper VI - The Business of Fashion	4	5	-	3	25	75	100
43P	Core Practical VI - Garment Construction III	4	-	6	4	40	60	100
43Q	Core Practical VII - Fabric Structure and Design Practical	2	-	3	3	20	30	50
4AA	Allied Paper IV – Care and Maintenance of Textiles	3	4	-	-	20	55	75
4ZP	Skill Based Subject II - Surface Embellishments	3	-	5	3	30	45	75
47V	Internship Training # #15 Days Internship	2	-	-	-	-	-	50
4FA/B/C	Tamil @ /Advanced Tamil # (OR) Non-major elective – II (General Awareness #)	2	2	-	-	-	50	50
Total		24	30					600
FIFTH SEMESTER								
53A	Core Paper VII - Knitting	4	5	-	3	25	75	100
53P	Core Practical VIII - CAD Practical I	4	-	6	3	40	60	100
53Q	Core Practical IX - Knitting Practical	2	-	4	3	20	30	50
5EA/B/C	Elective Paper I	4	5	-	3	25	75	100
57V	Project – Fashion Design Portfolio**	6	-	5				150
5ZA	Skill Based Subject III - Garment Quality and Cost Control	3	5	-	3	20	55	75
Total		23	30					575

SIXTH SEMESTER								
63A	Core Paper VIII - Computers in the Garment Industry	4	5	-	3	25	75	100
63P	Core Practical X - CAD Practical II	4	-	6	3	40	60	100
63Q	Core Practical XI - Basic Draping Practical	4		4	3	20	30	50
6EA/B/C	Elective Paper II	4	5	-	3	25	75	100
6ED/E/F	Elective Paper III	4	4	-	3	25	75	100
6ZA	Skill Based Subject IV – Innovation with Waste Fabrics	3	-	6	3	30	45	75
67A	Extension Activities @	2	-	-	-	-	-	50
Total		25	30					575
Grand Total		140						3500
UGC – SWAYAM/ MOOCS/ NPTEL Additional Credit (Optional)								

Additional Credit Course

Earning Additional credit course is not mandatory for Programme Completion.

Prescribed courses under UGC – SWAYAM/ MOOCS/ NPTEL will be available for the affiliated colleges, as an optional.

List of Elective papers (Colleges can choose any one of the papers as Electives)			
Elective - I	A	5EA	Organization of Garment Unit
	B	5EB	Accounting and Business Management
	C	5EC	Entrepreneurial Development
Elective - II	A	6EA	Marketing and Merchandising
	B	6EB	Principles of Management
	C	6EC	Business Finance
Elective - III	A	6ED	Home Textiles
	B	6EF	Export Analysis and Documentation
	C	6EG	Apparel Quality Management

@ No University Examinations. Only Continuous Internal Assessment (CIA).

#No Continuous Internal Assessment (CIA). Only University Examinations.

** For Viva: 30 marks & report/Garment Collection: 120 marks.

For Elective theory courses: 25% Continuous Internal Assessment & 75% University Examinations, for Elective practical course 40% Continuous Internal Assessment & 60% University Examinations.

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**First
Semester**

Course code	13A	BASICS OF GARMENT CONSTRUCTION	L	T	P	C
Core	Paper 1		-	4	-	4
Prerequisite	Basic knowledge about garment components		Syllabus Version		2020-2021	
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Teach the basics of the functions of the sewing and the essential tools 2. Explain the techniques of the pattern making, grading and alteration 3. Understand the types of sleeves, yokes and collars 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Describe the functions of a sewing machine and the tools needed for sewing					K2
CO2	Compare the methods of preparing pattern					K2
CO3	Appraise the types of sleeve					K4
CO4	Analyze the types of collars and yokes					K4
CO5	Appraise the techniques in pattern layout, alteration and grading					K5
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
Unit:1	Essentials of Sewing					15 hours
Parts and functions of a single needle machine, essential tools – cutting tools, measuring tools, marking tools, embroidery tools, general tools, pressing tools, Body measurement – importance, Method of taking measurements for ladies and men. Measurements required for women’s salwar and kameez. Measurements required for men’s shirt and Pant.						
Unit:2	Pattern Making and Fitting					15 hours
Pattern Making – Types; Drafting, Draping and Commercial Patterns; Advantages and Limitations. Methods of transferring pattern markings; Grain – Importance, its types; Fitting - Standards of a good fit,						
Unit:3	Sleeve and Its Types					15 hours
Sleeves – definition, types, set-in-sleeves – plain sleeve, puff sleeve, bishop sleeve, bell, circular. Modified armhole – squared armhole. cap sleeve and Magyar sleeve. Sleeve and bodice combined – raglan, kimono and dolman						
Unit:4	Types of Collars and Yokes					15 hours
Collars – definitions, types, peter pan, scalloped, puritan, sailor, square, rippled, full shirt collar, open collar, Chinese, turtle neck, shawl collar Yokes – types, simple yoke, yoke with fullness within the yoke, yoke supporting/ releasing fullness.						
Unit:5	Pattern Alteration, Layout and Grading					15 hours
Pattern alteration – importance of altering patterns, general principles for pattern alteration, common pattern alteration in a blouse. Pattern layout - definition, purpose, rules in layout, types of layouts Pattern grading (manual) – definition, basic front, basic back basic sleeve						
Total Lecture hours						75 hours

Text Book(s)	
1	Practical Clothing Construction – Part I, Mary Mathews, Cosmic Press, Chennai ,1986.
2	Practical Clothing Construction – Part II, Mary Mathews, Cosmic Press, Chennai ,1986.
3	Zarapker system of cutting –Zarapker. K. R., Navneet publications Ltd ,1994.
Reference Books	
1	Pattern Grading for Women’s clothing, The technology of sizing, Gerry Cooklin, Blackwell Science Ltd ,1990.
2	Sewing and Knitting – A Readers Digest, Step -by -Step Guide, Readers Digest Pvt Ltd, Australia,1993.
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827
2	https://fashion2apparel.blogspot.com/2017/03/pattern-grading-methods-apparel.html
3	https://textilelearner.blogspot.com/2014/10/a-focus-on-garments-fitting.html
4	https://www.fibre2fashion.com/industry-article/5658/basics-of-pattern-making
Course Designed By: Dr. R. Sheela John	

COs	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	M	M	S	L	M
CO3	S	M	M	M	L	L
CO3	S	S	S	M	L	M
CO4	S	S	S	M	L	M
CO5	S	M	M	S	L	L

*S-Strong; M-Medium; L-Low

Course code	13P	BASICS OF GARMENT CONSTRUCTION PRACTICAL	L	T	P	C
Core		Practical I	-	-	4	4
Prerequisite		Basic knowledge in garment construction	Syllabus Version		2020-2021	
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Impart sewing skills in creating garment components 2. Develop miniature patterns for skirts, sleeves, collars and yoke 3. Create miniature samples for skirts, sleeves, collars and yoke 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Develop samples for seams, seam finishes and hems				K6	
CO2	Create samples for fullness and neckline finishes				K6	
CO3	Create samples for fasteners and pockets				K6	
CO4	Construct miniature samples for skirt and sleeves				K6	
CO5	Construct miniature samples for collars and yoke				K6	
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
1. Preparation Samples for the Following						45 hours
<ol style="list-style-type: none"> 1. Seams – Plain seam, top stitched seam, flat fell seam, piped seam, lapped seam 2. Seam Finishes – double stitch, edge stitched, overlock (optional) 3. Hems – narrow, stitched and turned, hems for circular shape 4. Darts – single and double 5. Tucks – Pin tuck, cross tuck, group tucking 6. Neckline Finishes – Bias facing, Bias binding and Shaped facing 7. Plackets – continuous placket, bound placket and faced placket, zipper placket, tailored placket 8. Fasteners – Press buttons, Hook and eye, Button and Button hole 9. Pocket – Patch pocket, side seam pocket, bound and faced pocket 						
2. Prepare Miniature Samples for the following						45 hours
<ol style="list-style-type: none"> 1. Skirt – pleated skirt, gathered skirt, circular skirt 2. Sleeve – Plain sleeve, Magyar Sleeve, Raglon Sleeve 3. Collar - Flat collar(any type), Open collar 4. Simple Yoke 						
Total hours						90 hours
Text Book(s)						
1	Practical Clothing Construction – Part I, Mary Mathews, Cosmic Press, Chennai ,1986.					
2	Practical Clothing Construction – Part II, Mary Mathews, Cosmic Press, Chennai ,1986.					
3	Zarapker system of cutting –Zarapker. K. R., Navneet publications Ltd ,1994.					
Reference Books						
1	Sewing and Knitting – A Readers Digest, Step -by -Step Guide, Readers Digest Pvt Ltd, Australia,1993.					

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827
2	https://fashion2apparel.blogspot.com/2017/03/pattern-grading-methods-apparel.html
3	https://textilelearner.blogspot.com/2014/10/a-focus-on-garments-fitting.html
4	https://www.fibre2fashion.com/industry-article/5658/basics-of-pattern-making
Course Designed By: Dr. R. Sheela John	

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	L	M	M	M	M
CO3	S	L	M	M	M	M
CO3	S	L	M	M	M	M
CO4	S	L	M	M	M	M
CO5	S	L	M	M	M	M

*S-Strong; M-Medium; L-Low

Course code	1AP	FASHION SKETCHING	L	T	P	C
Allied		Practical I	-	-	3	3
Prerequisite	Basic drawing knowledge			Syllabus Version	2020-2021	
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Impart skills in drawing and coloring 2. Illustrate sketches for children, women, and man 3. Create sketches the different perspectives of the parts of the body and face 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Illustrate garment designs for children					K4
CO2	Illustrate garment designs for woman					K4
CO3	Illustrate garment designs for man					K4
CO4	Sketch the parts of the body in various perspectives					K3
CO5	Sketch the face of male and female in different views					K3
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create						
1. Illustrate the Following Children's Garments						15 - hours
Instructions – Create 3 designs each; Colour using any medium; Give details						
<ul style="list-style-type: none"> • Bib • Jabla with knicker • Baba suit • Frocks 						
2. Illustrate the Following Women's Garments						15 hours
Instructions – Create 3 designs each; Colour using any medium; Give details						
<ul style="list-style-type: none"> • Skirts • Ladies tops • Salwar • Kameez • Maxi/ Gown • Dungarees 						
3. Illustrate the Following Men's Garments						15 hours
Instructions – Create 3 designs each; Colour using any medium; Give details						
<ul style="list-style-type: none"> • T-Shirts • Shirts • Pants • Kurta • Pyjama 						
4. Illustrate the Following in Different Perspectives						15 hours
Instructions – Create for male and female (3 perspectives each) each						

<ul style="list-style-type: none"> • Eyes • Ears • Nose • Lips • Hairstyles • Arms • Legs 	
5. Illustrate the Face of a Female and Male as Given Below	15 hours
<ul style="list-style-type: none"> • Front view • Three quarter turned view • Profile view (side view) 	
Total Lecture hours	75 hours
Text Book(s)	
1	Fashion Design Drawing & Presentation, Ireland Patrick John, Pavilion Books, 1982.
2	Fashion Design Illustration: Children, Ireland Patrick John, B T Batsford Ltd ,1995.
3	Fashion Design Illustration : Men, Ireland Patrick John, B T Batsford Ltd ,1996.
Reference Books	
1	Fashion Illustration, Kiper Anna, David & Charles, 2011. ISBN: 9780715336182, 9780715336182
2	Foundation in fashion design and illustration – Julian Seaman, Batsford Publishers, 2001.
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://www.idrawfashion.com/
2	https://www.fashionistasketch.com/drawing-faces-fashion-illustration/
3	https://in.pinterest.com/pin/458804280762797371/
Course Designed By: Dr. R. Sheela John	

COs	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	M	S	L	M
CO3	S	S	M	S	L	M
CO3	S	S	M	S	L	M
CO4	S	S	M	S	L	M
CO5	S	S	M	S	L	M

*S-Strong; M-Medium; L-Low

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**Second
Semester**

Course code	23A	FASHION DESIGNING	L	T	P	C
Core	Paper II		-	4	-	4
Prerequisite	Have basic knowledge in designing		Syllabus Version	2020-2021		
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Impart knowledge on design concepts in the field of fashion 2. Familiarise with the fashion cycles, consumers and theories 3. Design suitable garments for unusual figure types 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Understand the design types, elements and principles of design					K2
CO2	Appraise the colour combinations with standard colour harmonies					K5
CO3	Interpret the fashion cycles, consumer groups and fashion theories					K2
CO4	Develop dress design for unusual figure types					K6
CO5	Define and describe the fashion terminologies and fashion profiles					K1
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
Unit:1	Design Elements and Principles				12 hours	
Design- definition and types – structural and decorative design, requirements of a good structural and decorative design in dress Elements of design and its application in dress – line, shape or form, colour and texture. Principles of design and its application in dress – balance, rhythm, emphasis, harmony and proportion.						
Unit:2	Standard Colour Harmonies				12 hours	
Colour theories; Prang colour chart Dimensions of colour- hue, value, and intensity. Standard colour harmonies – Related, Contrasting and Neutral colour harmony; Application of Colour in principles of design- application of the same in dress design.						
Unit:3	Fashion Evolution and Fashion Forecasting				12 hours	
Fashion evolution – Fashion cycles, Length of cycles , consumer groups in fashion cycles – fashion leaders , fashion innovators, fashion motivation , fashion victim, Fashion followers. Adoption of Fashion theories – Trickle down, trickle up and trickle across. Fashion forecasting – Need for forecasting						
Unit:4	Designing Dresses for Unusual Figures				12 hours	
Designing dresses for unusual figures – becoming and unbecoming – for the following figure types. Stout figure, thin figure, slender figure, narrow shoulders, broad shoulders, round shoulders, large bust, flat chest, large hip, large abdomen, round face, large face, small face, prominent chin and jaw, prominent forehead						
Unit:5	Fashion Terminologies and Fashion Profiles				12 hours	
Definition and meaning of the fashion terms – fashion, style, line and collection, Mannequin and dress forms; fashion show; high fashion; Haute couture, couture and couturier; knock-off; Avant Garde; Pre – a – porter						

Role/qualities of a Fashion Designer, Fashion Stylist, Fashion Journalist, Fashion Merchandiser, Fashion Director.	
Total Lecture hours	
60 hours	
Text Book(s)	
1	Fashion Sketch Book – Bina Abling, Fair Child Publications, New York Wardrobe,1988.
2	Art and Fashion in Clothing Selection – Mc Jimsey and Harriet, Iowa State University Press,Jowa,1973.
Reference Books	
1	Fashion From Concept To Consumer – Frings Gini Stephens, Pearson Education, US, 1998.
2	Inside the Fashion Business – Kitty G. Dickerson, Pearson Education,US, 2007.
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://www.apparesearch.com/terms/index.htm
2	https://www.instyle.com/fashion
3	https://prezi.com/1tlwgnhviqs-/fashion-elements-and-principles-of-design/
Course Designed By: Dr. R. Sheela John	

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	M	S	M	L	M	S
CO3	M	S	M	L	M	S
CO3	M	S	M	L	M	S
CO4	M	S	M	L	M	S
CO5	M	S	M	L	M	S

*S-Strong; M-Medium; L-Low

Course code	23P	GARMENT CONSTRUCTION I	L	T	P	C
Core	Practical II		-		4	4
Prerequisite	Basic knowledge in garment construction		Syllabus Version	2020-2021		
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Design garments for children, woman and man 2. Impart skills in pattern drafting 3. Construct garments by sewing 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Design garments for child, woman and man					K6
CO2	Develop patterns for child, woman and man using drafting method					K6
CO3	Construct garments by sewing					K6
CO4	Discover new techniques in pattern making and garment construction					K3
CO5	Select the necessary tools needed for sewing					K4
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
1. Design, Draft and Construct the Following Garments for a Child						25 hours
<ul style="list-style-type: none"> • Bib • Jabla • Knicker 						
2. Design, Draft and Construct the Following Garments for a Woman						30 hours
<ul style="list-style-type: none"> • Saree Petticoat • Salwar / Churidhar • Kameez 						
3. Design, Draft and Construct the Following Garments for a Man						20 hours
<ul style="list-style-type: none"> • Bermuda • T-shirt 						
					Total Lecture hours	75 hours
Text Book(s)						
1	Practical Clothing Constructing-Part I and II, Mary Mathews, Cosmic Press, Chennai,1986.					
2	Zarapker System of Cutting- Zarapker. K ltd. R, Navneet Publications,1994.					
Reference Books						
1	Cutting and tailoring Course Gayatri Verma & Kapil Dev, Computech Publications ,2009.					
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]						
1	http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827					
2	https://www.youtube.com/watch?v=nI-ShbmnuVg					
3	https://www.youtube.com/watch?v=LuazkYL0J3A					

4	https://www.youtube.com/watch?v=zLkNgkzx-wI
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Course Designed By: Dr. R. Sheela John
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COs	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	M	S	S	M	M
CO3	S	M	S	S	M	M
CO3	S	M	S	S	M	M
CO4	S	M	S	S	M	M
CO5	S	M	S	S	M	M

*S-Strong; M-Medium; L-Low

Course code	23Q	FASHION DESIGNING PRACTICAL	L	T	P	C
Core	Practical III		-	-	3	3
Prerequisite	Knowledge in Fashion Sketching		Syllabus Version		2020-2021	
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Familiarize with the elements and principles of design 2. Play with colours following the standard colour harmonies 3. Create garment design for various seasons on fashion figures 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Develop Prang colour chart, value and intensity chart					K6
CO2	Illustrate human figures for a child, woman and man					K4
CO3	Sketch garment designs following the various elements of design					K3
CO4	Apply the principles of design and colour harmonies in the garments					K3
CO5	Create garment designs for various seasons					K6
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
1. Prepare the following Charts						7 hours
<ul style="list-style-type: none"> • Prang colour chart, • Value chart • Intensity chart 						
2. Illustrate Human Figure for the Following Heads						7 hours
<ul style="list-style-type: none"> • Child - 6 head • Women – 8 head,10 head and 12 head • Man – 10 head 						
3. Illustrate Garment Designs for the Elements of Design (3 each)						7 hours
<ul style="list-style-type: none"> • Line • Texture • Shape 						
4. Illustrate Garment Designs for the Principles of Design						10 hours
<ul style="list-style-type: none"> • Balance (Formal and Informal) • Harmony • Emphasis • Proportion • Rhythm (by Repetition, Gradation and Line Movement) 						
5. Illustrate the Colour Harmony in Dress Design						7 hours
<ul style="list-style-type: none"> • Monochromatic • Analogous • Complimentary 						

<ul style="list-style-type: none"> • Double complementary • Split complementary • Triad • Neutral 	
6. Create Garments for the Following Seasons	
<ul style="list-style-type: none"> • Summer • Winter • Autumn • Spring 	
Total Lecture hours	
45 hours	
Text Book(s)	
1	Fashion Sketch Book , Bina Abling, Fair Child Publications, New York Wardrobe,1988.
2	Illustrating Fashion, Kathryn McKelvey and Janine Munslow, Blackwell Science,1997.
Reference Books	
1	Art and Fashion in Clothing Selection , Mc Jimsey and Harriet, Iowa State University Press, Jowa,1973.
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://www.idrawfashion.com/
2	https://www.fashionistasketch.com/drawing-faces-fashion-illustration/
3	https://in.pinterest.com/pin/458804280762797371/
Course Designed By: Dr. R. Sheela John	

COs	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	M	L	M	M
CO3	S	S	M	L	M	M
CO3	S	S	M	L	M	S
CO4	S	S	M	L	M	S
CO5	S	S	M	S	S	M

*S-Strong; M-Medium; L-Low

Course code	2AA	INDUSTRIAL GARMENT PRODUCTION	L	T	P	C
Allied	Paper II		-	3	-	3
Prerequisite	Basic knowledge about garment manufacturing machineries		Syllabus Version		2020-2021	
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Gain knowledge on the industrial practices in all the stages of garment manufacturing 2. Familiarize with the techniques and technology adopted in the garment industry 3. Gain familiarize with the federal standards of stitch and seam classification 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Understand the stitching mechanism					K2
CO2	Relate to the cutting and spreading methods in industries					K1
CO3	Connect to the industrial marking and pressing methods					K4
CO4	Analyse the type of sewing machines and its functions					K4
CO5	Classify stitches and seams according to the federal standards					K2
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
Unit:1	Stitching Mechanism				12 hours	
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:2	Cutting and Spreading Methods				12 hours	
Spreading - Types of spread and its quality, parts and functions of spreading equipment, spreading methods. Cutting equipment – Parts and functions of Straight knife cutting machine, rotary cutting machine, band knife cutting machine, die cutters.						
Unit:3	Marking and Pressing Methods				12 hours	
Marking methods, positioning marking types of markers, efficiency of a marker plan, requirements of marker planning. Pressing – purpose, pressing equipment's and methods – iron, steam press, steam air finisher, steam tunnel, special types – pleating, permanent						
Unit:4	Sewing Machineries				12 hours	
Sewing Machineries - Classification of sewing machines, parts and functions of Single Needle lock stitch machine, over lock machine, bar tacking machine, button hole machine, button fixing machine, blind stitching machine, fabric examining machine. Special attachments, care and maintenance of sewing machines, Common problems and remedies						
Unit:5	Packaging, Sewing Threads, Stitches and Seams				12 hours	
Garment Packaging – Types of package forms Sewing threads- types, essential qualities of a sewing thread						

Federal standards for stitch and stitch classification Federal standards for seam and seam classification.	
Total Lecture hours	
60 hours	
Text Book(s)	
1	The Technology of Clothing Manufacture – Harold Carr and Barbara Latham, Blackwell Science ,1994.
2	Apparel Manufacturing Handbook: Analysis, Principles and Practice 2nd Edition – Jacob Solinger, Bobbin Blenheim Media Corp ,1988.
Reference Books	
1	Reader’s digest Sewing guide, Complete Guide to Sewing 13th Edition, The Reader’s Digest Association Inc, Pleasant Ville,1997.
2	A complete guide for sewing – Coles M Sew, Heinemann Professional Publishing, Singapore, 1977.
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://clothingindustry.blogspot.com/2018/04/packaging-process-garment-industry.html
2	https://www.youtube.com/watch?v=palmFFnMT1E
3	https://www.youtube.com/watch?v=67K0RMJVB_U
4	https://www.youtube.com/watch?v=HIBcn9Igirc
5	https://www.youtube.com/watch?v=QOofEoJQyro
Course Designed By: Dr. R. Sheela John	

COs	PO1	PO2	PO3	PO4	PO5	PO6
CO1	M	L	M	S	S	M
CO3	M	L	M	S	S	M
CO3	M	L	M	S	S	M
CO4	M	L	M	S	S	M
CO5	S	L	M	S	S	M

*S-Strong; M-Medium; L-Low

A purple scroll graphic with a white outline and decorative curls at the top-left and bottom-left corners. The text "Third Semester" is centered on the scroll in white.

**Third
Semester**

Course code	33A	COSTUMES AND TEXTILES OF INDIA	L	T	P	C
Core	Paper III		-	4	-	4
Prerequisite	Basic knowledge in costumes of different states of India		Syllabus Version	2020-2021		
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Impart knowledge and understanding of the diverse and valuable traditional Indian textiles. 2. Appreciate the various styles of traditional Indian costumes 3. Value the beauty and intricacy of the Indian Jewelleries 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Discover the beginning and origin of costumes					K2
CO2	Recognize the dyed and printed textiles of India					K1
CO3	Compare and contrast the various costumes of India					K4
CO4	Appraise the jewelleries of India					K5
CO5	Value the traditional embroideries of India					K3
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create						
Unit:1	Origin and Growth of Costume				15 hours	
Beginning and growth of Costume - Painting, Cutting and Tattooing. Ancient costumes – Indus valley civilization, Vedic period, Maurya period, Mughal period. Costumes of India - pre and post independence era						
Unit:2	Dyed and Printed Textiles of India				15 hours	
Study of dyed and printed textiles of India –Bhandhani, Patola ,ikkat, kalamkari- in all the above types and techniques used. Study of woven textiles of India – Dacca Muslin, Banarasi/ Chanderi brocades, Baluchar, Himrus and Amrus, Kashmir shawls, Pochampalli, silk sarees of Kancheepuram.						
Unit:3	Traditional Costumes of India				15 hours	
Traditional Costume of different States of India - Tamil Nadu, Kerala, Andhra Pradesh, Karnataka, Assam, Orissa, West Bengal, Maharashtra, Rajasthan, Uttar Pradesh, Jammu and Kashmir, Gujarat.						
Unit:4	Indian Jewellery				15 hours	
Indian Jewellery – Jewelleries used in the period of Indus valley civilization, Mauryan period, the Pallava and Chola Period, Symbolic Jewellery of South India, Mughal period. Temple Jewellery of South India, Tribal jewellery						
Unit:5	Traditional Embroideries of India				15 hours	
Traditional embroideries of India – Origin ,Embroidery stitches used – embroidery of Kashmir , Phulkari of Punjab ,Gujarat – Kutch and Kathiawar, embroidery of Rajasthan , Kasuti of Karnataka ,Chickenwork of Lucknow, Kantha of Bengal.						
					Total Lecture hours	75 hours

Text Book(s)	
1	The costumes and textiles of India – Jamila Brij Bhushan, D B Taraporevala Sons & Co, Bombay ,1958.
2	Indian Costume –G.S. Ghurye, Popular Prakashan Pvt Ltd, India ,1967.
3	Indian Jewellery – M.L Nigam, Lustre Press Pvt Ltd ,India ,1999.
4	Traditional Embroideries of India – Shailaja D. Naik , APH Publishing , India ,1996.
Reference Books	
1	Costumes of India –Dorris Flyn, Oxford &IBH Publishing Co, Delhi,1971.
2	Costumes of India and Pakistan – Das S.N, DB Taraporevala Sons and co, Bombay,1956.
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://www.youtube.com/watch?v=7HXVXieq7pM
2	https://www.craftsvilla.com/blog/famous-indian-embroidery-styles
3	https://www.culturalindia.net/jewellery/types/meenakari.html
Course Designed By: Dr. R. Sheela John	

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	M	M	M	L	M	S
CO2	M	S	M	M	M	S
CO3	M	S	L	L	L	S
CO4	L	M	M	M	L	S
CO5	M	S	M	M	M	S

*S-Strong; M-Medium; L-Low

Course code	33B	FIBER TO FABRIC	L	T	P	C
Core	Paper IV		-	4	-	4
Prerequisite	Basic knowledge in textile science		Syllabus Version	2020-2021		
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Impart knowledge on the manufacturing process of fabric from the fiber 2. Teach the methods and techniques involved in the fibre, yarn and fabric manufacturing process 3. Know the trends and technologies followed in the textile industry 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Classify fibers and understand the properties of fibers					K2
CO2	Discover the manufacturing process of fiber					K3
CO3	Understand the yarn types and its manufacturing process					K2
CO4	Describe the weaving methods and its characteristic features					K1
CO5	Appraise the application and uses of non-woven fabrics					K4
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
Unit:1	Fiber Classification and Properties				15 hours	
Introduction to the field of textiles- classification of fibres –natural and chemical – primary and secondary characteristics of textile fibers.						
Unit:2	Process Sequence in Manufacturing Fibers				15 hours	
Manufacturing process, properties and uses of natural fibres – cotton ,linen ,Jute ,silk , wool, hair fibers, man-made fibres –Viscose rayon, nylon, polyester, acrylic.						
Unit:3	Spinning Process				15 hours	
Spinning –Definition and classification; Chemical and mechanical spinning; blending , opening, cleaning, doubling, carding, combing, drawing, roving, spinning. Yarn - Definition and classification- simple and fancy yarns. Manufacturing Process of sewing threads – cotton and synthetic.						
Unit:4	Weaving Mechanism				15 hours	
Weaving mechanism, parts and functions of a simple loom; basic process of dobby and jacquard, Classification of looms Salient features of automatic looms; Shuttle looms, its advantages - Types of shuttle less looms – Rapier – Projectile – Air jet – Water jet.						
Unit:5	Non Woven Fabrics				15 hours	
Non-Wovens - felting, fusing, bonding, lamination, netting, braiding, tating and crocheting. Application and uses of Non-wovens						
					Total Lecture hours	75 hours
Text Book(s)						
1	Textiles –Fibre to fabric, Corbmann B.P, International student’s edition, Mc Graw Hill. Book company, Singapore,1985.					

2	Textile fabrics and their Selection – Isabel Barnum Wingate ,Published by Prentice-Hall, 1964.
3	Fundamentals of Textiles and Their care, Susheela dantyagi, Orient Longman Private imited, Fifth edition,1996.
Reference Books	
1	Textile Mechanisms in Spinning and Weaving Machines, Ganapathy Nagarajan, Woodhead Publishing India in Texiles,2014.
2	Mechanisms of Flat Weaving Technology, Elena V Chepelyuk, Palitha Bandara and Valeriy V Choogin; Woodhead Publishing series in Textiles,2013.
3	Handbook of fiber science and Technology, Menachem Lewin and Stephen B Sello, Marcel Dekker, Inc, New York,1984.
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	http://textilefashionstudy.com
2	https://fashion2apparel.blogspot.com/2017/07/classification-loom.html
3	https://www.inda.org/about-nonwovens/
Course Designed By: Dr. R. Sheela John	

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	L	M	S	S	S	L
CO2	M	M	S	S	S	L
CO3	L	M	M	S	S	M
CO4	M	S	S	S	S	M
CO5	M	M	M	S	S	M

*S-Strong; M-Medium; L-Low

Course code	33P	GARMENT CONSTRUCTION II	L	T	P	C
Core	Practical IV		-	-	4	4
Prerequisite	Basic knowledge about sewing machine and construction.		Syllabus Version		2020-2021	
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Design garments for children, woman and man 2. Impart skills in pattern drafting 3. Construct garments by sewing 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Design garments for child, woman and man					K6
CO2	Develop patterns for child, woman and man using drafting method					K1
CO3	Construct garments by sewing					K2
CO4	Discover new techniques in pattern making and garment construction					K4
CO5	Select the necessary tools needed for sewing					K5
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
1. Design, Draft and construct the following garments for a Child					25 hours	
<ul style="list-style-type: none"> • Baba suit • A-line Frock • Summer Frock 						
2. Design, Draft and construct the following garments for a Woman					25 hours	
<ul style="list-style-type: none"> • Ladies Tops • Wrap around skirt • Nightie 						
3. Design, Draft and construct the following garments for a Man					25 hours	
<ul style="list-style-type: none"> • Nehru Kurta • Pyjama • Slack Shirt 						
					Total Lecture hours	75 hours
Text Book(s)						
1	Practical Clothing Constructing-Part I and II, Mary Mathews, Cosmic Press, Chennai,1986.					
2	Zarapker System of Cutting- Zarapker. K. R, Navneet Publications ltd, India ,2011.					
Reference Books						
1	Cutting and sewing theory, Gayatri Verma, Kapil Dev, Computech Publication Ltd, India,2019.					
2.	Pattern cutting and Making up, the professional approach, Martin M. Shoben and Janet P.Ward, Routledge Taylor and Francis Group, London and New York, Revised edition,2011.					

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]1 <http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827>2 <https://www.youtube.com/watch?v=FsD-Pc9WPm0>3 <https://www.youtube.com/watch?v=rJf5Jlpt8j4>

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Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	M	S	M	L
CO2	S	S	L	M	L	L
CO3	S	L	S	S	M	M
CO4	S	M	M	S	M	M
CO5	M	M	S	S	M	L

*S-Strong; M-Medium; L-Low

Course code	33Q	FIBER TO FABRIC PRACTICAL	L	T	P	C
Core	Practical V		-	4	-	4
Prerequisite	Basic knowledge in textile science		Syllabus Version	2020-2021		
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Identify the type of fibers 2. Test the yarn count and fabric count 3. Test the fabric for the following parameters – twist, course length, weight, shrinkage, color fastness and absorbency 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Distinguish the type of fiber by microscope, flame test and chemical tests					K1
CO2	Determine the count of the yarn and fabric					K3
CO3	Test the fabric for fabric weight and course length of the fabric					K2
CO4	Evaluate the color fastness and shrinkage of fabric					K5
CO5	Experiment the absorbency of fabric					K4
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
1. Identification of Textile fibers						15 hours
<ul style="list-style-type: none"> • Microscopic Method • Flame test. • Chemical test 						
2. Testing of Yarn and Fibers						10 hours
<ul style="list-style-type: none"> • Yarn Count using Wrap Reel • Yarn Count using Besley's Balance • Twist of the Yarn 						
3. Testing of Fabric						35 hours
<ul style="list-style-type: none"> • Fabric Weight • Fabric Count by Ravelling Method • Fabric Count with Pick Glass • Course Length and Loop length of Knitted Fabric • Colour Fastness to Washing • Tests of Shrinkage • Tests of Absorbency 						
Total Lecture hours						60 hours
Text Book(s)						
1	Textiles –Fibre to fabric, Corbmann B.P, International students edition, Mc Graw Hill. Book company, Singapore, 1985.					
2	Textile fabrics and their Selection – Isabel Barnum Wingate ,Published by Prentice-Hall, 1964.					

Reference Books	
1	Identification of Textile Fibers 1 st Edition by Max M. Houck, Woodhead Publishing in Textiles, Cambridge , New delhi, 2009.
2	Textile science, Gohi, CBS Publishers and Distributors, India, 2005.
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://textilelearners.com/textile-fibers-identification-process/
2	https://www.textilesphere.com/2020/04/identification-of-textile-fibers.html
Course Designed By: Dr. R. Sheela John	

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	L	M	M	S	S	L
CO2	M	M	M	S	S	M
CO3	M	M	M	S	S	L
CO4	M	M	S	M	S	M
CO5	L	L	S	M	S	L

*S-Strong; M-Medium; L-Low

Course code	3AA	TEXTILE WET PROCESSING	L	T	P	C
Allied	Paper III		-	3	-	3
Prerequisite	Basic knowledge in textile finishing		Syllabus Version	2020-2021		
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Prepare the fabric for finishing 2. Dye and Print the fabrics the using suitable dyes and prints 3. Prepare on Effluent and its impact 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Familiarize with the Process sequence in a textile industry					K2
CO2	Explain the types of finishes					K1
CO3	Discover the dyes and dyeing methods					K3
CO4	Understand the various printing methods					K2
CO5	Analyse the pollution created by the textile industry and the need for effluent treatment					K4
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create						
Unit:1	Wet Processing Process and Basic Finishes				15 hours	
Process sequence of textile wet processing; Finishes types – Basic finishes, Aesthetic finishes, Functional finishes and Special purpose finishes Basic Finishes – Singeing, desizing, scouring, bleaching and mercerizing – Process sequence and methods;						
Unit:2	Aesthetic, Functional and Special Finishes				15 hours	
Aesthetic finish– glazed, Moire, embossed, napped finish Functional finish – Water repellent, flame retardant, antistatic finish Special purpose finish – fragrance, antibacterial, stone wash and enzyme wash in denim Recent trends – Microencapsulation and nano finishes						
Unit:3	Dyes and Dyeing Machines				15 hours	
Dyes – classification and suitability of dyes to the fabric, stages of dyeing – fiber, yarn, fabric and garment dyeing, Natural dyes and its significance, Dyeing machines – loose stock fiber bale – hank package – jigger – winch – HT& HP Beam, jet – padding mangles. Garment dyeing machines						
Unit:4	Direct Printing				15 hours	
Printing – Difference between dyeing and Printing Preparation of Printing Paste, Properties and types of Thickeners, Direct Printing – Block Printing - History and techniques used. Screen Printing – Flat screen and Rotary screen, techniques used						
Unit:5	Resist, Discharge Printing and Effluent Treatment				15 hours	
Resist Printing – Tie and Dye and Batik; Process sequence and techniques.						

Discharge Printing, other methods – Digital Printing, Heat transfer printing Effluent Treatment – Pollution created by the processing unit, Process sequence in Effluent treatment Plant		
		Total Lecture hours
		75 hours
Text Book(s)		
1	Textile Chemistry, Paters R.H, Elsevier Publishing , 1967.	
2	Technology of Textile Processing, Shenai V.A., Sevak publications, Bombay, 1981.	
3	Textile Finishing , Shenai.V.A. Sevak Publications, Mumbai, 1999.	
Reference Books		
1	Functional Finishes, Menachem Lewin and Stephen B. Sello, Marcel Dekker, Inc., 1984.	
2	Textile Finishing, R.S.Prayag, Shree J Printers, India, 1994.	
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		
1	https://textilecourse.blogspot.com/2018/08/working-process-printing-	
2	http://www.neoakruthi.com/blog/etp-for-textile-industry.html	
3	https://textilelearner.blogspot.com/2011/08/flow-chart-of-wet-processing-process.html	
4	https://www.textileschool.com/343/fabric-wet-processing-techniques/	
5	https://www.fibre2fashion.com/industry-article/1699/special--finishes-to-garment-an-overview	
Course Designed By: Dr R Sheela John		

COs	PO1	PO2	PO3	PO4	PO5	PO6
CO1	L	M	S	S	S	L
CO2	M	S	S	S	M	S
CO3	M	S	M	M	S	S
CO4	M	S	S	S	S	S
CO5	L	L	S	M	M	L

*S-Strong; M-Medium; L-Low

Course code	3ZP	DYEING AND PRINTING	L	T	P	C
Skill Based Subject	Skill Based Subject I		-	-	3	3
Prerequisite	Basic knowledge in textile finishing		Syllabus Version	2020-2021		
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Prepare the fabric for dyeing and printing 2. Dye the fabric using suitable dyes 3. Print the fabrics with direct and resist printing methods 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Modify the fabric properties with desizing, bleaching, scouring, and mercerizing					K2
CO2	Define and use direct, reactive, vegetable and vat dye to the cotton fabric					K1
CO3	Apply acid and basic dye to the silk fabric					K3
CO4	Analyze print designs with direct printing method – block and stencil					K4
CO5	Create print designs with resist printing – Tie and dye / batik					K6
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create						
1. Preparation of Samples for Processing						20 hours
<ul style="list-style-type: none"> • Desizing • Bleaching • Scouring • Mercerising 						
2. Dye the Given Fabric Using Suitable Dye						20 hours
<ul style="list-style-type: none"> • Direct Dye • Basic Dye • Acid Dyes • Reactive Dyes • Vegetable Dyes(any one) • Vat Dye 						
3. Print the Fabric Using Suitable Dyes / Pigments						20 hours
<ul style="list-style-type: none"> • Block Printing – Wooden and Vegetable Blocks • Stencil Printing • Tie and Dye (use any three tying methods) • Batik Printing 						
					Total Lecture hours	60 hours
Text Book(s)						
1	An Introduction to Textile Finishing, Marsh. J.T, Chapman and hall Ltd, London, 1948.					
2	Shenai V.A., Technology of Textile Processing, Vol. III, V, VI, VII Sevak publications, Bombay , 1981.					

Reference Books

1	Simple textile dyeing and Printing, Nora Proud , Batsford Publisher,London, 1974.
2	Science and technology of Textile Dyeing and Colouring, S.P.Mishra, New Age International (p) Ltd Publishers, 2016.

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1	https://www.youtube.com/watch?v=whm0UxZ9gnQ
2	https://www.hamstech.com/blog/significance-of-dyeing-printing-in-fashion-designing/

Course Designed By: Dr. R. Sheela John

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	M	M	S	S	S	M
CO2	M	S	M	S	S	S
CO3	L	M	S	M	M	S
CO4	M	M	S	S	M	S
CO5	L	M	S	M	L	S

*S-Strong; M-Medium; L-Low

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**Fourth
Semester**

Course code	43A	FABRIC STRUCTURE AND DESIGN	L	T	P	C
Core	Paper V		-	4	-	4
Prerequisite	Basic knowledge about weaving.		Syllabus Version	2020-2021		
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. To learn the elements of woven design 2. To study the different types of weaves 3. To understand the draft and lifting plan 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	To classify different types of weaves					K2
CO2	To draw the design, draft and peg plan of weaves.					K6
CO3	To differentiate between different type of weaves					K4
CO4	To construct different types of weaves					K6
CO5	Apply the methods of fabric representation					K3
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create						
Unit:1	Elements of Woven Design				15 hours	
Elements of woven design, Methods of fabric representation, Draft and lifting plan, Construction of elementary weaves – plain, warp rib, weft rib, twill, modification of twills, satin and sateen weaves – their derivatives						
Unit:2	Types of Weaves				15 hours	
Ordinary and Brighton honey comb, its modification, Huck a back and its modifications, Crepe weaves, Mock leno						
Unit:3	Figured Fabrics				15 hours	
Extra warp and Extra weft figuring – single and two colours, planting, backed fabric, warp and weft backed fabrics						
Unit:4	Pile Fabrics				15 hours	
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:5	Double Cloth				15 hours	
Double cloth – Classification, Self stitched – Face to back, Back to face, Both. Centre stitched – warp and weft. Interchanging double cloth.						
					Total Lecture hours	75 hours
Text Book(s)						
1	Gokarneshan N, Fabric Structure and Design, New Age International Publishers Ltd, New Delhi, 2004.					

2	Grosichkli Z Newness, Watson's Advanced Textile Design, Butter Worths, London, 1989.
Reference Books	
1	Corbman B P, Textiles – Fibre to Fabric, International Students Edition, Mc.Graw Hill book Co, Singapore, 1985
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://textilelearner.blogspot.com/2011/06/weaving-weaving-mechanism_643
2	https://textilelearner.blogspot.com/2012/07/basic-woven-fabric-structure-plain
3	http://textilefashionstudy.com/category/fabric-manufacturing-technology-2
4	http://www.warporweft.com/types-of-looms
Course Designed By: S. P .Mythily	

Mapping with Programme Outcomes						
COs	PO1	PO2	PO3	PO4	PO5	PO6
CO1	M	S	M	S	S	S
CO2	M	S	L	S	S	S
CO3	M	S	M	S	S	S
CO4	L	S	M	S	S	S
CO5	L	S	L	S	S	S

*S-Strong; M-Medium; L-Low

Course code	43B	THE BUSINESS OF FASHION	L	T	P	C
Core	Paper VI		-	4	-	4
Prerequisite	Knowledge about fashion		Syllabus Version	2020-2021		
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Gain a better understanding of a fashion designer at the national and international level 2. Impart knowledge on new product development, sales promotion, retailing and pricing 3. Move towards a sustainable fashion 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Describe the factors influencing fashion changes					K3
CO2	Weigh the contributions of the fashion designers nationally and internationally					K5
CO3	Understand the steps involved in new product development and sales promotion					K2
CO4	Analyze the scope and functions of retailing and pricing					K4
CO5	Evaluate the environmental pollution created by fashion products and move towards sustainable fashion					K5
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create						
Unit:1	World of Fashion- An Overview				15 hours	
Factors influencing fashion changes – Accelerating and Decelerating factors Understanding Fashion designer – types – classicist, idealist, influenced, realist, thinking poet. Minimalists, Village India, Studio line. World Fashion Centers – Milan, Paris, London and New York						
Unit:2	Legendary Fashion Designers				15 hours	
Study of International Fashion Designers of the World – Yves Saint Laurent, Valentino, Pierre Cardin, Ralph Lauren, Karl Lagerfeld, Donna Karen, Giorgio Armani, Coco Chanel, Calvin Klien, Christian Dior. An overview of Indian Fashion Designers – Manish Malhotra, Manish Arora, Ritu Beri, Tarun Tahiliani, Rohit Bal, Wendell Rodricks, JJ Valaya.						
Unit:3	Fashion Products and Promotion				15 hours	
The fashion industry and new product development; product mix and range planning. Fashion and Seasons. Fashion Promotion – Fashion Communication; Fashion Advertising and Publicity; Personal Selling – importance and steps involved; Fashion Shows – types and steps involved in organizing a show; Sales promotion methods / strategies						
Unit:4	Fashion Retailing				15 hours	
Fashion Retailing - Scope and functions, Types of Stores, Challenges for fashion retail in India, E-retailing – growth and development, Major players of fashion goods online. Pricing policies and strategies for apparel products, Functions and factors Influencing pricing, pricing strategies for new products, methods of setting prices						

Unit:5	Sustainable Fashion	15 hours
Sustainable Fashion – meaning and significance; Environmental concerns related to fashion; Linear fashion and circular fashion; 4R’s in sustainability – Repair, recycle, reuse and reduce. Moving towards sustainable fashion - Eco fashion, Slow fashion; Environmental impact of fast fashion		
	Total Lecture hours	75 hours
Text Book(s)		
1	Drake et-al, Retail Fashion: Promotion and Advertising, Macmillan Publication Company. New York, 1992.	
2	Gini Stephens Frings, Fashion – From Concept to Consumer, 6th edition, Prentice Hall, 1999.	
Reference Books		
1	Leslie Davis Burns et-al, The Business of Fashion: Designing, Manufacturing and Marketing, 4th Edition, Bloomsbury Academic publisher, 2011	
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		
1	https://247wallst.com/special-report/2018/10/01/the-30-most-influential-fashion-designers-of-all-time/8/	
2	https://www.reviewsexp.com/blog/top-fashion-designers/	
3	https://en.wikipedia.org/wiki/Fashion_capital	
4	https://www.fibre2fashion.com/	
5	http://www.technopak.com/Files/fashion-retail-scenario-in-india.pdf	
6	https://en.wikipedia.org/wiki/Sustainable_fashion	
7	https://fashionunited.uk/news/fashion/re-defining-sustainability-repair-recycle-reuse-and-reduce/2016052520528	
8	https://get-green-now.com/environmental-impact-fast-fashion/	
Course Designed By: Dr. R. Sheela John		

Mapping with Programme Outcomes						
COs	PO1	PO2	PO3	PO4	PO5	PO6
CO1	M	S	S	M	M	S
CO2	S	S	M	M	M	S
CO3	M	S	L	M	M	S
CO4	M	S	M	M	M	S
CO5	L	M	L	M	M	M

*S-Strong; M-Medium; L-Low

Course code	43P	GARMENT CONSTRUCTION III	L	T	P	C
Core	Practical VI		-	-	4	4
Prerequisite	Knowledge about garment construction		Syllabus Version		2020-2021	
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Design garments for children, woman and man 2. Impart skills in pattern drafting 3. Construct garments by sewing 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Design garments for child, woman and man				K6	
CO2	Develop patterns for child, woman and man using drafting method				K6	
CO3	Construct garments by sewing				K6	
CO4	Discover new techniques in pattern making and garment construction				K3	
CO5	Select the necessary tools needed for sewing				K4	
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
1. Design, Draft and Construct the Following Garments for a Child					25 hours	
<ul style="list-style-type: none"> • Frock – Party wear • Midi and Top 						
2. Design, Draft and Construct the Following Garments for a Woman					45 hours	
<ul style="list-style-type: none"> • Blouse • Lehanga • Maxi / Gown • Ladies Pant 						
3. Design, Draft and Construct the Following Garments for a Man					20 hours	
<ul style="list-style-type: none"> • S B Vest • Pant (full length) 						
					Total Lecture hours	
					90 hours	
Text Book(s)						
1	Zarapker K. R, Zarapker System of Cutting, Navneet Publications (India) Ltd, Mumbai, 2012					
2	Winifred Aldrich, Metric Pattern Cutting for Women's Wear, 5th Edition, Blackwell Publishing, 2015					
3	Winifred Aldrich, Metric Pattern Cutting for Men's Wear, 5th Edition, Blackwell Publishing, 2011					
Reference Books						
1	Myoungok Kim and Injoo Kim, Pattern Making for Menswear: Classic to Contemporary, Spi Edition, Fairchild Books Publishers, 2014.					

2	Helen J Armstrong, Pattern Making for Fashion Design, 5 th edition, Pearson Publisher, 2014.
3	Garment Construction: A Complete Course on Making Clothing for Fit and Fashion (Illustrated Guide to Sewing) by Peg Couch, Kindle Edition, 2015
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://www.patternsonline.com/Default.aspx
2	https://sewguide.com/
Course Designed By: Dr. R. Sheela John	

Mapping with Programme Outcomes						
COs	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	M	M	M	M
CO2	S	M	M	M	M	L
CO3	S	M	M	M	M	L
CO4	S	S	L	M	M	S
CO5	S	S	L	M	M	S

*S-Strong; M-Medium; L-Low

Course code	43Q	FABRIC STRUCTURE AND DESIGN PRACTICAL	L	T	P	C
Core	Practical VII		-	-	2	2
Prerequisite	Basic knowledge about fabric structure		Syllabus Version		2020-2021	
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. To identify the different types of weaves 2. To analyse the fabric structure 3. To understand the woven fabrics design 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Draw the design, draft and peg plan of weaves.					K3
CO2	Explain fabric structure					K4
CO3	Understand the weaving components					K2
CO4	Analyze the design aspects in the weaving pattern					K4
CO5	Evaluate the fabric according to weaving					K5
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create						
Analyse the Fabric Structures					45 hours	
<ul style="list-style-type: none"> • Plain weave and its derivatives <ul style="list-style-type: none"> • Warp rib • Weft rib • Twill Weave <ul style="list-style-type: none"> • Right hand twill • Left hand twill • Satin and Sateen • Honey Comb Weave • Huck a Buck Weave • Extra warp figuring • Extra weft figuring 						
					Total Lecture hours	45 hours
Text Book(s)						
1	Gokarneshan N, Fabric Structure and Design, New Age International Publishers Ltd, New Delhi, 2004.					
2	Grosichkli Z Newness, Watson's Advanced Textile Design, Butter Worths, London, 1989.					
Reference Books						
1	Corbman B P, Textiles – Fibre to Fabric, International Students Edition, Mc.Graw Hill book Co, Singapore, 1985.					
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]						
1	https://textilelearner.blogspot.com/2012/07/what-is-fabric-warp-weft-fabric.html					

2	http://textilefashionstudy.com/category/fabric-manufacturing-technology-2
3	https://feltmagnet.com/textiles-sewing/How-To-Analyze-A-Woven-Fabric
4	https://www.textileschool.com/242/weaving-calculations/
Course Designed By: S. P. Mythily	

Mapping with Programme Outcomes						
Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	L	S	M	S	S	S
CO2	M	S	M	S	S	S
CO3	L	S	S	S	S	S
CO4	M	S	S	S	S	S
CO5	M	S	S	S	S	S

*S-Strong; M-Medium; L-Low

Course code	4AA	CARE AND MAINTANENCE OF TEXTILES	L	T	P	C
Allied	Paper IV		-	3	-	3
Prerequisite	Basic knowledge about fabric and garment care		Syllabus Version		2020-2021	
Course Objectives:						
The main objectives of this course are to:						
1. Gain a better understanding method in taking proper care of the clothing						
2. Impart knowledge on machines and equipment's used in the washing, storing and ironing process						
3. Impart knowledge on the types of wash care labels and their meaning						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Identify suitable methods of washing, drying, ironing and storing					K1
CO2	Understand the wash care labels and act accordingly					K2
CO3	Appraise the types of equipment used in the care of fabrics					K3
CO4	Recognize the need for dry cleaning for fabrics					K2
CO5	Evaluate the methods and equipments to be used for a better life of clothes					K5
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create						
Unit:1	Water and Laundry Soaps				12 hours	
Water- hard and soft water, methods of softening water. Laundry soaps - composition of soap types of soap, soap less detergents, detergent manufacture, advantages of detergents, Manufacturing process of soap and detergents						
Unit:2	Finishes and Stain Removal				12 hours	
Finishes – Stiffening Agents – Starch (cold water and hot water) , Other stiffening agents, preparation of starch Laundry blues, their application. Stain removal – common methods of removing stains; food stains, lead pencil, lipstick, mildew, nose drops, paint, perfume, perspiration / mildew, tar, turmeric and kum- kum,						
Unit:3	Washing, Drying and Ironing				12 hours	
Washing – Points to be noted before washing. Machine – types semi-automatic and Fully automatic; Top loading and front loading; wash cycles in a washing machine Drying equipment's– Indoor and outdoor drying Iron box – Parts and functions of an electric iron box; types - automatic iron box and steam iron. Ironing board – different types						
Unit:4	Laundering of Different Fabrics				12 hours	
Laundering of different fabrics – cotton and linen, woolens, coloured fabrics, silks, rayon and nylon. Special types of Laundry – waterproof coats, silk ties, leather goods, furs, plastics, lace.						
Unit:5	Storing, Dry Cleaning and Care Labels				12 hours	
Storing – Methods of storing clothes, Best way to store clothes Dry cleaning – Benefits, differences between dry cleaning and laundry, Steps in dry cleaning						

process	
Care labels – Importance and Types - The International Care Labelling System, The Japanese Care Labelling System, The Canadian Care Labelling System, The European Care Labelling System, The American Care Labelling System	
	Total Lecture hours
	60 hours
Text Book(s)	
1	Wingate I B , Textiles fabrics and their Selection, Prentice-Hall Inc Publishers, 1946
2	Fundamentals of Textiles and their Care- Susheela Dantyagi , Orient Longmann Ltd, 1980
Reference Books	
1	Mildred T. Tate and Glisson O, Family Clothing, John Wiley & Sons Inc, Illinois, 1961
2	Durga Deulkar , Household Textiles and Laundry Work, Amla Ram & Sons, Delhi, 1951
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://tide.com/en-us/how-to-wash-clothes/how-to-do-laundry/your-comprehensive-guide-on-how-to-do-laundry#Step1
2	https://www.coats.com/en/Information-Hub/Care-Labels#:~:text=Labels%20should%20be%20designed%20based,5)%20Wringing%20%26%206)%20Drying
3	https://www.customclothinglabels.com/uses/why-are-care-labels-so-important/#:~:text=Care%20labels%20are%20essential%20when,run%20could%20ruin%20the%20fabric.
4	https://www.drycleaning.com.sg/blog/5-differences-between-dry-cleaning-and-laundry.html
5	https://www.rinse.com/blog/care/what-is-dry-cleaning/
6	https://fleming.ca.uky.edu/files/clothing_storage.pdf
7	https://www.home-storage-solutions-101.com/clothes-storage.html
Course Designed By: Dr. R. Sheela John	

Mapping with Programme Outcomes						
COs	PO1	PO2	PO3	PO4	PO5	PO6
CO1	L	L	L	L	L	L
CO3	L	M	M	S	S	L
CO3	L	M	M	M	M	L
CO4	L	M	M	M	M	L
CO5	L	L	M	M	M	L

*S-Strong; M-Medium; L-Low

Course code	4ZP	SURFACE EMBELLISHMENTS	L	T	P	C
Skill Based Subject	Skill Based Subject II		-	-	3	3
Prerequisite	Basic knowledge on embroideries			Syllabus Version	2020-2021	
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Inherit embroidery skills by hand and machine 2. Appreciate the beauty and intricacies of the traditional embroideries of India 3. Enhance creativity with the application of smocking 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Create hand embroidery samples					K6
CO3	Create machine embroidered samples					K6
CO3	Apply the techniques used in the Indian traditional embroideries					K3
CO4	Design and develop samples for drawn thread embroidery					K6
CO5	Create added structural effects using smocking					K6
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create						
1. Create Hand Embroidery Samples (20 stitches and 10 samples)					20 hours	
<ul style="list-style-type: none"> • Outline stitches • Filling stitches • Loop stitches • Cross stitches 						
2. Create Embroidery Samples Using Machine (5 stitches and 2 samples)					15 hours	
<ul style="list-style-type: none"> • Running stitch • Satin Stitch • Granite Stitch • Cording • Needle cording 						
3. Create the Following Samples					15 hours	
<ul style="list-style-type: none"> • Bead work • Sequin work • Ribbon embroidery • Mirror work • Drawn thread work 						
4. Create Samples with Applique, Patch work and Quilt (any 2 types)					10 hours	
<ul style="list-style-type: none"> • Applique • Simple / Geometric patch work • Crazy patch work 						

<ul style="list-style-type: none"> Quilting – simple and patterned 	
5. Create Samples with Smocking	10 hours
<ul style="list-style-type: none"> French Smocking (any 3 types) Chinese Smocking 	
	Total Lecture hours
	75 hours
Text Book(s)	
1	Shailaja D Naik , Traditional Embroideries of India, APH Publishing, 1996
2	Megan Eckman, Everyday Embroidery for Modern Stitchers, C&T Publishing, 2020
Reference Books	
1	Libby Moore, Thread Folk: A Modern Makers Book of Embroidery Projects and Artist Collaborations, Paige Tate & Co, 2019
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://sewguide.csom/smocking/
2	https://www.youtube.com/watch?v=Ug2d1NUuE4A
3	https://www.youtube.com/watch?v=uJ2SyeFA_B4
4	https://www.youtube.com/watch?v=nJz9c8gEvFg
Course Designed By: Dr. R. Sheela John	

Mapping with Programme Outcomes						
Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	L	M	M	M	M
CO2	S	L	M	M	M	M
CO3	S	L	M	M	M	M
CO4	S	L	M	M	M	M
CO5	S	L	M	M	M	M

*S-Strong; M-Medium; L-Low

Course code	47V	INTERNSHIP TRAINING	L	T	P	C
Project	Viva Voce		-	-	-	2
Prerequisite	Gain Practical insights of the industry / company		Syllabus Version	2020-2021		
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Expose the students to the work environment 2. Familiarise and adapt to the workplace 3. Understand the methods, techniques and practices followed in the place of training 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Understand the working structure of the industry/ company					K2
CO2	Analyse the methods adopted in the training place					K4
CO3	Correlate to the theoretical knowledge gained in the college					K4
CO4	Recognize the challenges in the training place					K1
CO5	Discover the nuances of the workplace and appreciate it					K3
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create						
No CIA, Report: 40 marks and Viva: 10 marks						
Details of the Training						
The student should undergo 15 Days Internship training in a Textile Processing Unit/ Designer House / Buying House/ Garment Unit / Retail house after III semester theory exam / before the start of Fourth Semester (Total Marks – 50, No CIA, Report: 40 marks and Viva: 10 marks)						
Purpose of the Internship Training						
The training bridges the gap between the theoretical knowledge gained in the college and the practical application of the same in the industry / company / stores						
The student will have a better exposure about the workplace and its nuances						
Process to be Followed						
Students can identify their area of interest. Industry / companies has to be identified and a profile of the company has to be analysed at least a month earlier. Contacts can be established by the guides allotted to the student. Prior permission has to be obtained from the place of training. After confirmation, the student will undergo training for a period of 15 working days.						
Instructions to the Students						
The students should abide by the rules and regulations of the concern and get the maximum benefit from the training. The students should maintain a daily logbook where the student should record his details of the training.						
A copy of the record has to be sent to the supervisor allotted to the student. The logbook must be						

signed (with seal) by the staff of the company. Based on the study done, the student will submit a report to the guide within a weeks' time along with the logbook. Incase of any problems, the student should reach out to the supervisor immediately

Instructions to the Supervisor

The supervisor should establish contacts with the place of training. A routine follow up has to be done with the student once in two or three days. Problems, if any faced by the student should be sorted out immediately.

Training Report and Presentation

Training Report (30 – 50 pages) should be prepared by the student and submitted in a month's time. At the end of the semester student should present the report with a power point presentation

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1	https://www.wikihow.com/Write-a-Report-After-an-Internship
2	http://mfe-iseah-kef.blogspot.com/2013/11/internship-daily-journal.html
3	https://www.academia.edu/25257761/Student_Internship_Logbook
4	https://www.indeed.com/career-advice/career-development/how-to-write-an-internship-report
5	https://valenciacollege.edu/students/internship/documents/ActivityLog.pdf
6	https://www.template.net/business/log/internship-time-log/

Course Designed By: Dr. R. Sheela John

Mapping with Programme Outcomes						
Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	M	M	L	L	M
CO2	S	M	M	L	L	M
CO3	S	M	M	L	L	M
CO4	S	M	M	L	L	M
CO5	S	M	M	L	L	M

*S-Strong; M-Medium; L-Low

A purple scroll graphic with a white outline and rounded corners. The top and bottom edges are rolled up, with white circular accents indicating the folds. The text "Fifth Semester" is centered in white.

**Fifth
Semester**

Course code	53A	KNITTING	L	T	P	C
Core	Paper VII		-	4	-	4
Prerequisites	Basic knowledge about fabric structure		Syllabus Version	2020-2021		
Course Objectives:						
The main objectives of this course are to:						
1. Familiarize with the basics of knitting process						
2. Impart knowledge on the warp and weft knitting techniques						
3. To know the recent trends and technologies adopted in the industry						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Understand the basics knitting process and the functions of a knitting machine					K2
CO2	Discover the weft knitting process and machineries used					K3
CO3	Discover the warp knitting process and machineries used					K3
CO4	Appraise the recent technology in the knitting industry					K5
CO5	Articulate the significant role played by the knitting industry locally and nationally					K3
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create						
Unit:1	Knitting Overview					15 hours
Knitting – Definition, classification and history, characteristics of knitted goods. General terms and principles of knitting technology, machine knitting, parts of machine, knitted loop structure, stitch density						
Unit:2	Principles of Weft Knitting Technology					15 hours
Weft knitting – classification - circular rib knitting machine, purl, interlock, jacquard - single jersey machine - basic knitting elements - types and functions – knitting cycle, CAM – system - 3-way technique to develop design - knit, tuck, miss - effect of stitches on fabric properties.						
Unit:3	Principles of Warp Knitting Technology					15 hours
Warp knitting - lapping variations-tricot, raschel, simplex and Milanese - kitten raschel - single bar, 2 bar, multi bar machines. types of threading, production of nets, curtains, heavy fabrics, elasticized fabrics.						
Unit:4	Seamless Knitting & Knitting Care					15 hours
Seamless Knitting – Applications, advantages, and limitations. Care and maintenance of knitted material - washing, drying, ironing, storing. Common defects that occur in knitted fabric production.						
Unit:5	Knitting Industry and market					15 hours
Knitting Industry in India – growth and development. Significance of knitwear industry in Tirupur. Knitwear market – Present and future trends. Dyeing of Knit Fabrics						
					Total Lecture hours	75 hours

Text Book(s)	
1	Knitting Manufacture Technology - Anbumani, New Age International, Chennai ,2006
2	Knitting and Apparel Technology, S.S.M.I.T Co-operative Society. 2005
3	Knitting Technology, David J. Spencer, Woodhead Publishing Ltd., Cambridge England, 2002
Reference Books	
1	Knitting Technology, D B Ajgaonker, Universal Publishing Corporation,1998
2	Warp knit fabric construction: from stitch formation to stitch construction, Wilkens, C., Heusenstamm, Germany: U. Wilkens Verlag, 1995.
3	Flat Knitting, Meisenbach Bamberg, Samuel. R, Germany, 1991
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://fashion2apparel.blogspot.com/2017/02/seamless-garments-advantages.html
2	https://www.indiaretailing.com/2018/06/12/fashion/indian-knitwear-market-present-and-the-future-trends/
3	https://www.fibre2fashion.com/industry-article/64/overview-of-tirupur-knitwear-industry
4	https://www.fibre2fashion.com/industry-article/7047/seamless-garment-technology
5	https://textilelearner.blogspot.com/2013/01/faultsdefects-in-knitted-fabrics.html
Course Designed By: : J. Sathya Narayanan	

COs	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	M	S	S	S	M
CO2	M	M	S	S	M	S
CO3	M	L	M	M	S	S
CO4	L	M	S	S	S	M
CO5	M	M	S	M	M	S

*S-Strong; M-Medium; L-Low

Course code	53P	COMPUTER AIDED DESIGN PRACTICAL I	L	T	P	C
Core		Practical VIII	-	-	4	4
Prerequisites		Basic knowledge on computers	Syllabus Version		2020- 2021	
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Enable the students to design garment designs using computers 2. Try various colour combinations and textural effects 3. Create and manipulate fashion figures for various garment designs 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Understand and practice the tools and techniques of the CAD					K2
CO2	Apply the skills in area of garment designing					K3
CO3	Develop various colours and textures in computers					K6
CO4	Create garment designs for child, man and woman with CAD					K6
CO5	Create Jewellery designs using CAD					K6
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create						
1. Creating Small Designs / Motifs (2 each)						15 hours
<ul style="list-style-type: none"> • Designs for Handkerchief • Neckline Designs • Embroidery Designs • Chest Prints for T-shirts 						
2. Create the Following Designs for a Child (2 each)						20 hours
<ul style="list-style-type: none"> • Jabla and Knicker • Baba Suit • Frock 						
3. Create the Following Designs for a Woman (2 each)						20 hours
<ul style="list-style-type: none"> • Gown / Maxi • Salwar Kameez • Midi and Tops • Lehngas 						
4. Create the Following Designs for a Man (2 each)						20 hours
<ul style="list-style-type: none"> • S B Vest • T-Shirt with Brmuda • Shirt and Pant • Kurta Pyjama 						
5. Create the Following Ornaments and Accessories						15 hours
<ul style="list-style-type: none"> • Ornaments – Set of ear ring, bangle/bracelet, finger ring and chain • Accessories – Set of Handbag, Hat, Hairband and footwear 						

	Total Lecture hours	90 hours
Text Book(s)		
1	Fashion Design Drawing & Prensatation, Ireland Patrick John, B T Batsford Ltd, 2006.	
2	Fashion Design Illustration: Children, Ireland Patrick John, B T Batsford Ltd, 2003.	
Reference Books		
1	Fashion Sketch Book, Bina Ablng, Fair Child Publication, New York,2006.	
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		
1	https://www.youtube.com/watch?v=iX7O4fNQijA	
2	https://www.youtube.com/watch?v=8pmgi7q3Gbo	
3	https://www.youtube.com/watch?v=x8BsIME4gi4	
Course Designed By: Dr. R. Sheela John		

Mapping with Programme Outcomes						
Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	M	S	S	M	M	M
CO2	M	S	M	S	S	S
CO3	S	M	L	M	M	M
CO4	S	S	S	L	M	L
CO5	M	M	L	M	S	S

*S-Strong; M-Medium; L-Low

Course code	53Q	KNITTING PRACTICAL	L	T	P	C
Core		Practical IX	-	-	2	2
Prerequisites		Basic knowledge about knit fabric	Syllabus Version		2020-2021	
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Identify the loop structure of the fabric 2. Identify different types of knitted fabric sample 3. Identify fabric defects, its cause and work on the remedies 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Identify the loop structure of the fabric					K2
CO2	Find out the type of knitted fabric sample.					K2
CO3	Classify the different knit structures.					K5
CO4	Deduct knitting samples by unravel method and graphic representation					K4
CO5	Identify the defect and its remedy.					K2
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
1. Identify the Given Fabric Sample Using Unravel and Graphic Representation Method						30 hours
<ul style="list-style-type: none"> • Plain Knit • Rib Knit <ul style="list-style-type: none"> • 1x1 • 2x2 • Interlock • Pique – any 2 structures • Tricot • Raschel 						
2. Analyse the Defects						30 hours
<ul style="list-style-type: none"> • Vertical and horizontal lines • Holes and cuttings • Distorted 						
					Total Lecture hours	60 hours
Text Book(s)						
1	Knitting Manufacture Technology, Anbumani, New Age International, Chennai, 2006					
2	Knitting and Apparel technology, S.S.M.I.T Co-operative Society. 2005					
Reference Books						
1	Knitting Technology, D B Ajaonker, Universal Publishing Corporation, 1998					
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]						

1	https://textilelearner.blogspot.com/2013/01/faultsdefects-in-knitted-fabrics.html
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Course Designed By: J. Sathya Narayanan

COs	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	M	S	S	S	M
CO2	M	M	S	S	M	S
CO3	M	L	M	M	S	S
CO4	L	M	S	S	S	M
CO5	M	M	S	M	M	S

*S-Strong; M-Medium; L-Low

Course code	57V	FASHION DESIGN PORTFOLIO	L	T	P	C
Project	Viva Voce		-	-	6	6
Prerequisites	Garment Designing Knowledge		Syllabus Version		2020-2021	
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Create garment collection based on an inspiration / theme 2. Search and find out exclusive fabrics and accessories for the garment collection 3. Present the garment collection in the form of a portfolio album 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Design garment collection based on an inspiration / theme				K6	
CO2	Develop various boards like theme board, mood board, story board, colour board, fabric swatch board, patten board and flat pattern				K6	
CO3	Select suitable fabrics and accessories for the garment collection				K5	
CO4	Create a portfolio album				K6	
CO5	Compile and present the portfolio effectively				K6	
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create						
ESE only, 120 marks for Garment Collection and Portfolio; 30 marks for Viva						
Fashion Design Portfolio – An Introduction						
A fashion design portfolio is a collection of samples put together by a fashion designer to show off his or her skills to a prospective employer or fashion school. A typical fashion design portfolio should include fashion illustrations, an inspiration or mood board with textile swatches, flat sketches manually or with computer.						
Instructions to the Student						
Every Student will be assigned a Guide and the student should report to the guide at least once in a week. The student should work on an inspiration and develop sketches. After the approval from the Guide, the fabrics must be purchased and converted into a garment. Minimum of 4 garments has to be created. The garment collection is then photographed on a live model. Portfolio (Manual / Digital) is created						
Details of the Portfolio (75 hours)						
The Portfolio must be created as an album / book / Magazine and should contain the following boards						
<ul style="list-style-type: none"> • Customer Profile • Inspiration / Theme Board • Mood Board / Story Board • Colour board / Swatch Board • Accessory Board (optional) • Pattern Board • Flat Sketch / Fashion Illustrations • Photograph of all the Garment 						

Evaluation of the Project

The student should present the portfolio and the garments to the panel of examiners and answer the questions raised by the examiners

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

1	http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827
2	https://fashionandillustration.com/en/how-to-make-a-fashion-collection/
3	https://www.apparelsearch.com/fashion/designer/name/a/anna_sui/spring_fashions_anna_sui_fashion_designer_guide.htm

Course Designed By: Dr. R. Sheela John

COs	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	S	M	S	S
CO2	M	M	M	S	S	M
CO3	S	M	M	M	M	S
CO4	S	S	S	M	S	S
CO5	M	S	S	S	S	M

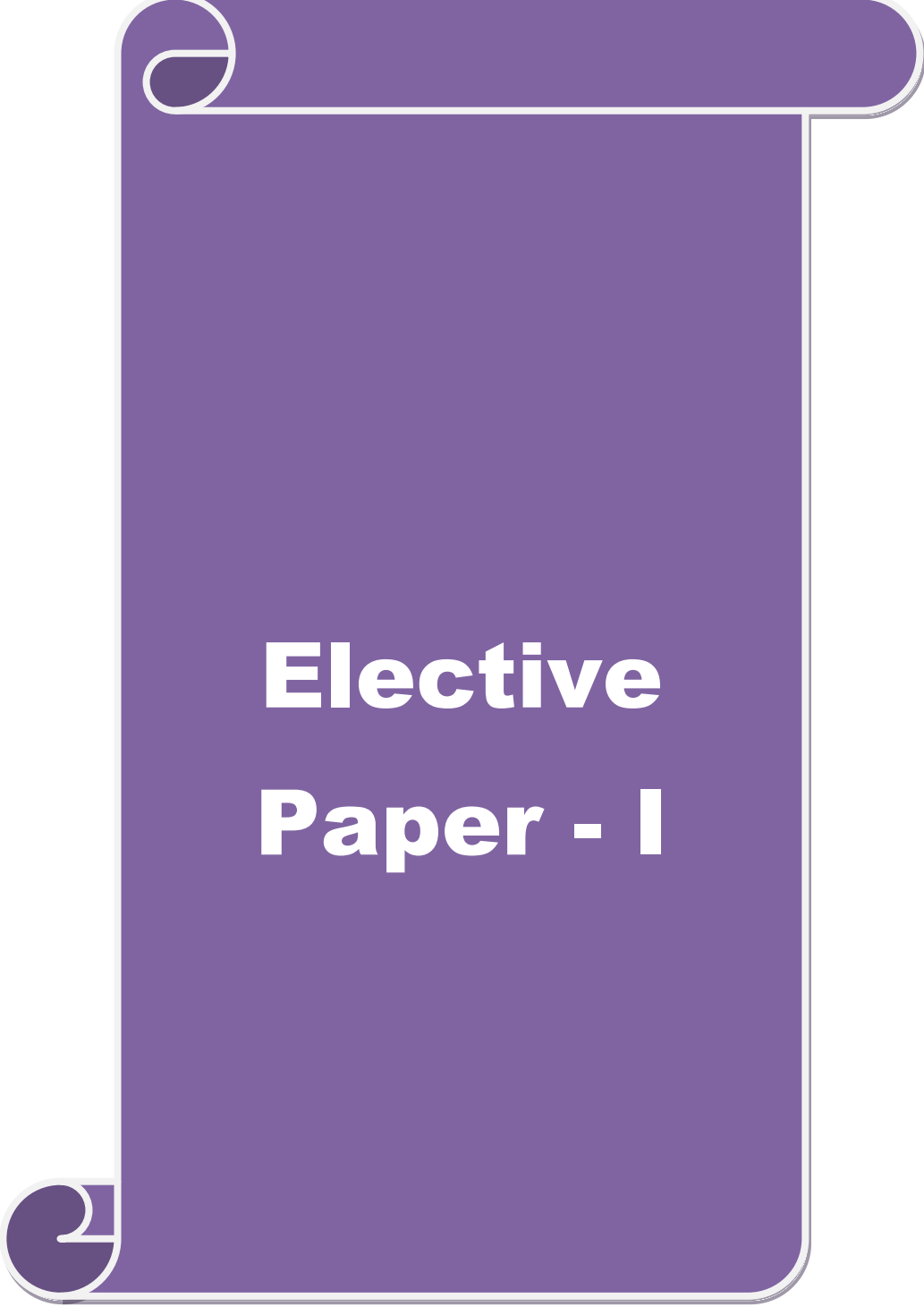
*S-Strong; M-Medium; L-Low

Course code	5ZA	GARMENT QUALITY AND COST CONTROL	L	T	P	C
Skill Based Subject	Skill Based Subject III		-	3	-	3
Prerequisites	Basic knowledge on garment quality		Syllabus Version	2020-2021		
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. To learn the concepts of garment quality control 2. To study the different quality management systems 3. To know about different quality process 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Define and establish quality standards					K2
CO2	Describe functions of quality control					K1
CO3	Analyze on garment cost and cost control					K4
CO4	Appraise on different quality management systems					K4
CO5	Evaluate the quality based on the parameters					K5
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create						
Unit:1	Quality Control and its Standards				15 hours	
Definition and Scope of Quality control – establishing merchandising standards- establishing raw material quality control specifications – quality control of raw material. Establishing Processing quality specification – Quality control inspection procedures for processing- Quality control of finished garments – Quality control for packaging, warehousing and shipping – Statistical quality control - Sampling plans – Industry-wide quality standards .						
Unit:2	Functions Of Production Control				15 hours	
Function of production control – Production analysis – Quality specifications – quantitative specifications –Basic production systems – whole garment, departmental whole garment, subassembly systems and progressive bundle systems, Principles for choosing a production system – Evaluating production systems						
Unit:3	Functions of Cost Control				15 hours	
Functions of cost control, types of costs and expenses – Apparel manufacturing cost categories – sales cost control, purchasing cost control, production cost control, administration cost control – cost ration policies – the manufacturing budget –cash flow controls – standard cost sheet, break-even – charts.						
Unit:4	Quality Management				15 hours	
Quality – Evolution of Quality management – Quality function and quality planning – Basic concepts of Total Quality Management (TQM) – Principles of TQM – Quality Trilogy – Four pillars of TQM – PDCA cycle & PDSA cycle – Kaizan concept – 5“S Philosophy – Quality circles.						

Unit:5	Environmental Management System	15 hours
Environmental Management System (EMS) – Meaning & Definition – Elements of EMS – Benefits of EMS – Environmental Policies – Implementation of ISO 14000 – study on other management system: SA8000, OHSAS 18000 and WRAP.		
		Total Lecture hours
		75 hours
Text Book(s)		
1	Apparel Manufacturing Analysis, Solinger, Jacob, New York, Textiles books, 1961.	
2	Managing Quality In The Apparel Industry, Pradip V Mehta, Sathish K Bhardwaj, New Age International, 1998	
Reference Books		
1	Apparel manufacturing handbook, analysis Principles and Practice, Solinger, Jacob, Columbia media corp, 1988.	
2	Quality Control Hand book, J.M.Juran,.publications McGraw-HillEducation,1988.	
3	Total Quality Management, Basker S, Anuradha Publications, Kumbakonam, 2017.	
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		
1	https://textilelearner.blogspot.com/2011/08/quality-control-system-in-garments_2589.html	
2	https://www.fibre2fashion.com/industry-article/3055/quality-systems-for-garment-	
3	https://onlinegarmentsacademy.blogspot.com/2019/07/quality-control-of-apparel-industry.html	
4	https://www.sciencedirect.com/science/article/pii/B9781782422327000163	
5	https://www.textileschool.com/488/quality-control-in-garment-manufacturing/	
Course Designed By: Dr. R. Sheela John		

Mapping with Programme Outcomes						
COs	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	M	M	S	S	M
CO2	S	M	S	M	S	L
CO3	M	M	M	S	M	M
CO4	S	S	M	S	M	M
CO5	M	S	S	L	M	L

*S-Strong; M-Medium; L-Low

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**Elective
Paper - I**

Course code	5EA	ORGANISATION OF GARMENT UNIT	L	T	P	C
Elective	Paper I - A		-	4	-	4
Prerequisites	Knowledge on garment Industry		Syllabus Version	2020-2021		
Course Objectives:						
The main objectives of this course are to:						
1. Enable student to become a successful entrepreneur / manager in the future						
2. Impart knowledge on the organisation of the various departments of a garment unit						
3. Gain a better understanding of a garment unit with SWOC analysis						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Interpret the meaning of entrepreneur and management					K2
CO2	Understand the organizational structure of a garment unit					K2
CO3	Plan factory design and layout to suit the production needs					K4
CO4	Prepare cost sheet for a finished product					K3
CO5	Set up a garment unit by performing SWOC analysis					K4
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create						
Unit:1	Entrepreneur and Management					15 hours
Entrepreneur- Meaning, definition and types, need for Entrepreneurs, qualities, and role of Entrepreneur.						
Management – Definition. Management as a process – Planning, organizing, Directing, Controlling and Co Ordination. Difference between Entrepreneur and Manager.						
Unit:2	Organizational Structure of a Garment Unit					15 hours
Organizational structure of a garment unit, Design department, Finance department, purchasing department, Production department, organizing different sections – hierarchy Personnel involved in all the departments, nature of the job. Role of HR in apparel industry.						
Unit:3	Factory Design and Layout					15 hours
Factory Design and layout – importance of factory design, factors affecting factory design, Types of buildings (single and Multi-Storey) – advantages and limitation. Factory layout – Process, Product and combined layout Design requirement – requirements relating to health, safety and welfare. Balancing – Steps to balance the line - Initial balance - Balance control - Efficiency - Cycle checks - Balancing tools.						
Unit:4	Principles of Costing					15 hours
Principles of costing - requirement of good costing system. Cost estimation of yarn and fabric. Cost estimation for dyeing, printing, embroidery, cutting, stitching, checking, packing, final inspection, shipping and insurance.						
Unit:5	Garment Export Unit					15 hours
Performance of Indian Garment Export and Institutions supporting Entrepreneurs, SWOC Analysis Setting up of garment unit for export market, Export Document, Export finance -						

Payment method, Export shipping. Institutions supporting entrepreneurs- DIC, NSIC, SISI, SIPCOT, TII, KVIC, CODISSIA, Commercial banks – SBI.		
		Total Lecture hours
		75 hours
Text Book(s)		
1	Introduction to Clothing Production Management, AJ Chester 2nd Edition, Wrenbury Associates Ltd, 1998.	
2	The technology of clothing manufacture, Harold Carr and Barbara Latham, Blackwell Science, 1994.	
3	Apparel Costing, A functional Approach- Krishnakumar. M, Abishek Publications, Chandigarh, 2011.	
Reference Books		
1	Principles of Management, Dinakar Pagare, Sultan Chand and Sons, Delhi, 2018.	
2	Entrepreneurship Development in India, Dr. C.B Gupta, Dr N.P. Srinivasan, Sultan Chand and Sons Delhi, 1997.	
3	Industrial Engineering in Apparel Production, V. Ramesh Babu, Wood Head Publishing India in Textiles, 2012.	
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		
1	https://lonelyentrepreneur.com/types-of-entrepreneurs/	
2	https://textilecourse.blogspot.com/2019/02/plant-layout-textile-garment-industry.html	
3	https://www.fibre2fashion.com/industry-article/7665/the-organisation-of-a-clothing-factory	
4	https://apparelcosting.blogspot.com/2017/05/apparel-costing-principles.html	
5	https://www.onlineclothingstudy.com/2019/04/how-to-start-garment-business.html	
Course Designed By: Dr. S. Jayapriya		

COs	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	M	S	M	S	L
CO2	M	S	S	S	S	M
CO3	S	M	M	M	M	M
CO4	M	S	S	S	S	S
CO5	L	M	L	S	M	L

*S-Strong; M-Medium; L-Low

Course code	5EB	ACCOUNTING AND BUSINESS MANAGEMENT	L	T	P	C
Elective	Paper I - B		-	4	-	4
Prerequisites	Knowledge about concepts of accounting		Syllabus Version	2020- 2021		
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Teach the basics of accounting and work on journal, ledger, trial balance and subsidiary books 2. Impart knowledge on the various aspects of cost accounting 3. Enable the student to identify various forms of ownerships in the business 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Understand the basic concepts of accounting					K2
CO2	Create journal, ledger, trial balance and subsidiary books					K6
CO3	Prepare final accounts with profit and loss					K3
CO4	Identify overheads and work on costing accordingly					K1
CO5	Recognize the legal forms of ownership in business					K1
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create						
Unit:1	Accounting Concepts, Basics				15 hours	
Accounting concepts and conventions –rules of accounts – importance of accounting – nature and scope of accounting – double entry system – advantage – difference between double entry and single entry						
Unit:2	Journal, Ledger, and Trial Balance				15 hours	
Journal, ledger, and Trial balance, subsidiary books – purchase book, sales books, purchase returns book, sales returns book and cash book with single, double and triple column cash book						
Unit:3	Final Accounts				15 hours	
Final accounts – trading and profit and loss A/C and balance sheet with simple adjustments						
Unit:4	Cost Accounting				15 hours	
Cost accounting – elements of cost, classification of cost – preparation of simple cost sheet (problem) – accounting for overheads – classification of overheads, allocation and apportionment of overheads – reapportionment of service department cost to production department, absorption of overheads						
Unit:5	Legal Forms of Ownership				15 hours	
Nature and objectives of business – legal forms of business of ownership – sole trader, partnership, company and co-operative societies –advantages and limitations						
Note: problems – 70 marks, theory – 30 marks						
					Total Lecture hours	75 hours

Text Book(s)	
1	Introduction to Accountancy, T.S. Grewal, S.C. Gupta: Books, S. Chand Publishing, 2016.
2	Principles Of Accountancy, KI Nagarajan, Vinayakam N, PI Mani, S Chand & Company Pvt Ltd, 2018.
3	Cost accounting, S P Jain and K L Narang, Kalyani Publishers, 2015.
Reference Books	
1	Cost and management accounting – S N Maheswari, Sultan Chand, 2002
2	Business management, Dinker Pagare, S. Chand Publishing, 2013.
3	Fundamentals of business organisation and management, Y K Bhushan, New Delhi : Sultan Chand & Sons, 1963.
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	http://www.ddegjust.ac.in/studymaterial/bba/bba-104.pdf
2	https://deeppanacademy.com/pdf/cma/foundation/fundamentals-of-accounting.pdf
Course Designed By : K. Revathe	

COs	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	M	S	M	S	M
CO2	M	S	S	S	M	M
CO3	L	M	M	M	M	S
CO4	M	M	S	S	S	S
CO5	L	S	M	S	M	L

*S-Strong; M-Medium; L-Low

Course code	5EC	ENTREPRENUERIAL DEVELOPMENT	L	T	P	C
Elective		Paper I - C	-	4	-	4
Prerequisites		Basic knowledge on entrepreneur	Syllabus Version		2020-2021	
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Impart knowledge on the significant functions of entrepreneurship 2. Inform the prospective entrepreneurs to steps in creating a project proposal 3. Give an overview of the institution that support entrepreneurship 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Understand the types and functions of entrepreneurship					K2
CO2	Identify, select a product and prepare a project proposal					K1
CO3	Distinguish the institutions that supports entrepreneurs					K2
CO4	Discover plans available in the supporting institutions					K3
CO5	Analyse the available incentives and subsidies					K4
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create						
Unit:1	Context of Entrepreneurship					15 hours
Concept of Entrepreneurship: Definition Nature and Characteristics of Entrepreneurship - Functions and types of Entrepreneurship phases of EDP. Development of women Entrepreneur and rural Entrepreneur – including self-employment of women council scheme						
Unit:2	Project					15 hours
The Start – up process, Project Identification – Selection of the product – Project formulation evaluation – Feasibility Analysis, Project Report						
Unit:3						15 hours
Institutional service to Entrepreneur – DIC, SIDO, NSIC, SISI, SSIC, SIDCO, ITCOT, IIC, KUIK and commercial Bank						
Unit:4						15 hours
Institutional finance to Entrepreneur – IFCI, SFC, IDBI, ICICI, TIIC, SIDCS, LIC and GIC, UTI, SIPCOT – SIDBI and commercial Bank venture capitals.						
Unit:5						15 hours
Incentives and subsidies – Subsidised Services – Subsidy for market. Transport – seed capital assistance – Taxation benefit to SSI – role of Entrepreneur in export promotion and import substitution						
					Total Lecture hours	75 hours
Text Book(s)						
1	Entrepreneurial Development, C.B. Gupta and N.P. Srinivasan, Sultan Chand & Sons, 2020.					

2	Fundamentals of Entrepreneurship and small Business, Renu Arora and S.KI.Sood, Kalyani Publishers, 2015.
3	Entrepreneurial Development, S.S.Khanka, S. Chand Publishing, 2006
Reference Books	
1	Entrepreneurial Development, P. Saravanavel & P. Sumathi , Margham Publications, 2020.
2	Entrepreneurial Development, S.G.Bhanushali, Himalaya Publishing House, 1987
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	http://www.simplynotes.in/e-notes/mbabba/entrepreneurship-development/
Course Designed By: Dr. R. Sheela John	

Mapping with Programme Outcomes						
COs	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	S	M	M	S
CO2	M	M	L	M	S	M
CO3	S	M	M	S	M	M
CO4	S	S	M	M	M	M
CO5	M	L	S	S	S	L

*S-Strong; M-Medium; L-Low

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**Sixth
Semester**

Course code	63A	COMPUTERS IN THE GARMENT INDUSTRY	L	T	P	C
Core	Paper VIII		-	4	-	4
Prerequisites	Knowledge on computer fundamentals		Syllabus Version	2020-2021		
Course Objectives:						
The main objectives of this course are to:						
1. Impart knowledge on the significant role played by the computers in the garment industry						
2. Create an awareness on the latest technologies available in the various sectors of the garment industry						
3. Teach the advantages of using computer technology to improve the production qualitatively and quantitatively						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Articulate the specifications and functions of a computer and its peripherals					K3
CO2	Appraise the inevitable role played by computers in various sections of a textile / garment industry					K5
CO3	Understand the application of CAD and CAM in the areas of textile and garment designing					K2
CO4	Discover the use of computers in the field of body measurements, pattern making and grading					K3
CO5	Weigh the advantages of computer technology in the process sequences and thereby increase production					K5
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create						
Unit:1	Computers and its Peripherals				15 hours	
Classification of computers, computer generations, computer specification, organization of computer sections. Types of storage devices (primary, secondary and tertiary), input devices, output devices.						
Unit:2	Computers in Fashion Industry				15 hours	
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:3	Computers in Creating Fabric and Garment Designs				15 hours	
CAD in creating designs – Advantages. Computerized weaving, knitting and printing, creating Computerized embroidery machines, Garment designing with CAD – 2D and 3D forms.						
Unit:4	Body Measurements, Pattern Making and Grading				15 hours	
3D Body scanning systems, Made to measure systems, CAD in pattern making and grading – system description – information flow – process involved in pattern making, process involved in pattern grading						

Unit:5	Computers in the Garment Manufacturing	15 hours
Computer application in fabric defect checking, laying / spreading, cutting marker planning, Labelling – Parts and functions. Computerized sewing machines.		
		Total Lecture hours
		75 hours
Text Book(s)		
1	Computers in the Garment Industry – Dr R Sheela John and Dr S Amsamani, Shanga Verlag, Coimbatore, 2013	
2	Fashion: From Concept to Consumer 4 th Edition – Gini Stephens Frings, Prentice Hall, Pearson, 2007	
Reference Books		
1	Computer Fundamentals, P K Sinha, BPB Publications, Delhi, 1992	
2	The Technology of Clothing Manufacture, Harold Carr and Barbara Latham, Blackwell Ltd, 1994	
3	Computer Technology for Textiles and Apparel, Jinlian Hu, Elsevier, 2011	
4	Automation in Garment Manufacturing, Rajkishore Nayak and Rajiv Padhye, Woodhead Publishing, 2017	
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		
1	https://inifdahmedabad.com/blog/importance-of-cad-in-fashion-industry/	
2	https://clothingindustry.blogspot.com/2018/02/application-cad-weaving.html	
3	http://textilescommittee.nic.in/writereaddata/files/publication/gar4.pdf	
4	https://study.com/academy/lesson/how-is-cad-cam-used-in-textiles.html	
5	https://clothingindustry.blogspot.com/2018/02/importance-cad-textile-designing.html	
6	https://textilelearner.blogspot.com/2012/03/computer-application-areas-in-textile.html	
7	https://link.springer.com/chapter/10.1007/978-3-642-58214-1_47	
Course Designed By: Dr. R. Sheela John		

Mapping with Programme Outcomes						
COs	PO1	PO2	PO3	PO4	PO5	PO6
CO1	L	S	S	S	M	L
CO2	L	S	S	S	M	M
CO3	S	S	S	S	S	S
CO4	S	S	S	S	M	M
CO5	S	S	S	S	M	M

*S-Strong; M-Medium; L-Low

Course code	63P	COMPUTER AIDED DESIGN PRACTICAL II	L	T	P	C
Core		Practical X	-	-	4	4
Prerequisites		CAD I	Syllabus Version		2020- 2021	
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Create professional designs with computers 2. Develop garment designs by using various tools and colours in the digital software 3. Apply the elements / principles of design and colour harmonies in the garment designs 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Create garment designs with different colour harmonies in computers					K6
CO2	Develop garment designs with for the various elements of design in computers					K6
CO3	Design garment sketches with following the principles of design in computers					K6
CO4	Create garment designs for various seasons in computers					K6
CO5	Draft and grade patterns digitally					K6
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create						
1. Create Garment Designs for the Following Colour Harmonies					15 hours	
<ul style="list-style-type: none"> • Monochromatic colour harmony • Analogous colour harmony • Complementary colour harmony • Double complementary colour harmony • Split Complementary colour harmony • Triad colour harmony • Tetrad colour harmony • Neutral colour 						
2. Create Garment Designs for the Following Elements of Design					15 hours	
<ul style="list-style-type: none"> • Line • Shape • Size 						
3. Create Garment Designs for the Following Principles of Design					15 hours	
<ul style="list-style-type: none"> • Balance • Rhythm • Emphasis • Proportion • Harmony 						
4. Create Garment Designs for the Following Seasons (Child-1; Woman - 1; Man-1)					15 hours	
<ul style="list-style-type: none"> • Summer 						

<ul style="list-style-type: none"> • Winter • Spring • Autumn 	
5. Draft and Grade Patterns for the Following Garments	15 hours
<ul style="list-style-type: none"> • Bib • Jabla • Salwar • T-Shirt 	
6. Create Garment Designs for the Following Occasions (Child-1; Woman -1; Man-1)	15 hours
<ul style="list-style-type: none"> • Party wear • Casual wear • Wedding collection • Sports wear (any three sports) 	
Total Lecture hours	
90 hours	
Text Book(s)	
1	Fashion Design Drawing & Presentation, Patrick John Ireland, Pavilion Books, London, United States, 1982.
2	Drawing and Designing Children's and Teenage Fashions, Patrick John Ireland, Wiley, 1979.
3	Fashion Design Illustration: Men, Patrick John Ireland, B. T. Batsford Books, London, 1996.
Reference Books	
1	Fashion Sketch Book, Bina Abling, Fairchild Books, New York, 2007
2	Foundation in fashion design and Illustration, Julian Seaman, B. T. Batsford Books, London, 2001
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://www.youtube.com/watch?v=jTWtQNTJt_A
2	https://www.youtube.com/watch?v=iX7O4fNQijA
3	https://www.youtube.com/watch?v=nWCNuSBc1Y0
4	https://www.youtube.com/watch?v=x8BsIME4gi4
5	https://www.youtube.com/watch?v=LMZPbT1msR0
Course Designed By: Dr. R. Sheela John	

COs	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	M	M	L	S
CO2	S	S	M	S	L	S
CO3	S	S	M	M	L	S
CO4	S	S	M	S	L	M
CO5	S	S	M	M	L	S

*S-Strong; M-Medium; L-Low

Course code	63Q	BASIC DRAPING PRACTICAL	L	T	P	C
Core	Practical XI		-	-	4	4
Prerequisites	Knowledge on Pattern making		Syllabus Version		2020-2021	
Course Objectives:						
The main objectives of this course are to:						
1. Teach the basics of prepare the body forms and fabrics for draping						
2. Create patterns for basic bodice and skirts using draping method						
3. Create patterns for yokes and collars using draping method						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Discover and mark the important structural lines in a dummy form					K3
CO2	Analyse the fabric, straighten the fabric ends and remove the creases					K4
CO3	Create draped patterns for basic bodice blocks and skirt					K6
CO4	Create draped patterns for types of yokes					K6
CO5	Create draped patterns for types of collars					K6
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create						
1. Preparation of Body Forms						5 hours
Mark the Chest Line with Style Tape						
Mark the Empire / Under Chest Line with Style Tape						
Mark the Waistline with Style Tape						
Mark the Hip Line with Style Tape						
2. Preparation of Fabric						
Remove creases by ironing the fabric						
Straighten the fabric						
3. Drape the Following Patterns						20 hours
Draping of Bodice Front						
Draping of Bodice Back						
Draping of Skirt						
4. Drape the Following Yokes						20 hours
Simple Yoke						
Yoke with Fullness within the Yoke						
Shirt Yoke						
Midriff Yoke						
5. Drape the Following Collars						15 hours
Peter Pan Collar						
Mandarin Collar / Shirt Collar						
Shawl Collar / Convertible Collar						
Total Lecture hours						60 hours

Text Book(s)	
1	Draping for Apparel Design, 3rd Edition - Helen Joseph and Armstrong, Bloomsbury Academic, 2013
2	The Art of Fashion Draping, Connie Amaded and Crawford, Bloomsbury Academic, 2018
Reference Books	
1	The Art of Fashion Draping, Connie Crawford, Bloomsbury Publishing India Private Limited, 2007
2	Draping for Fashion Design, Hilde Jaffe, Prentice Hall, 2000.
3	Draping for Apparel Design, Helen Joseph and Armstrong, Bloomsbury Academic, 2008.
4	Draping for Fashion Design, Hilde Jaffe and Nurie Relis, Pearson/Prentice Hall, 2005.
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://www.youtube.com/watch?v=hAvjXU9xrOM
2	https://www.youtube.com/watch?v=BhG9Sp3UutI
3	https://www.moodfabrics.com/blog/intro-to-draping-dress-form-muslin-basics/
4	https://fitnyc.libguides.com/fashiondesign/draping
5	https://www.youtube.com/watch?v=-Hriguv4RA
Course Designed By: Dr. R. Sheela John	

Mapping with Programme Outcomes						
COs	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	L	S	S	M
CO2	S	S	L	S	S	M
CO3	S	S	L	S	S	M
CO4	S	S	L	S	S	M
CO5	S	S	L	S	S	M

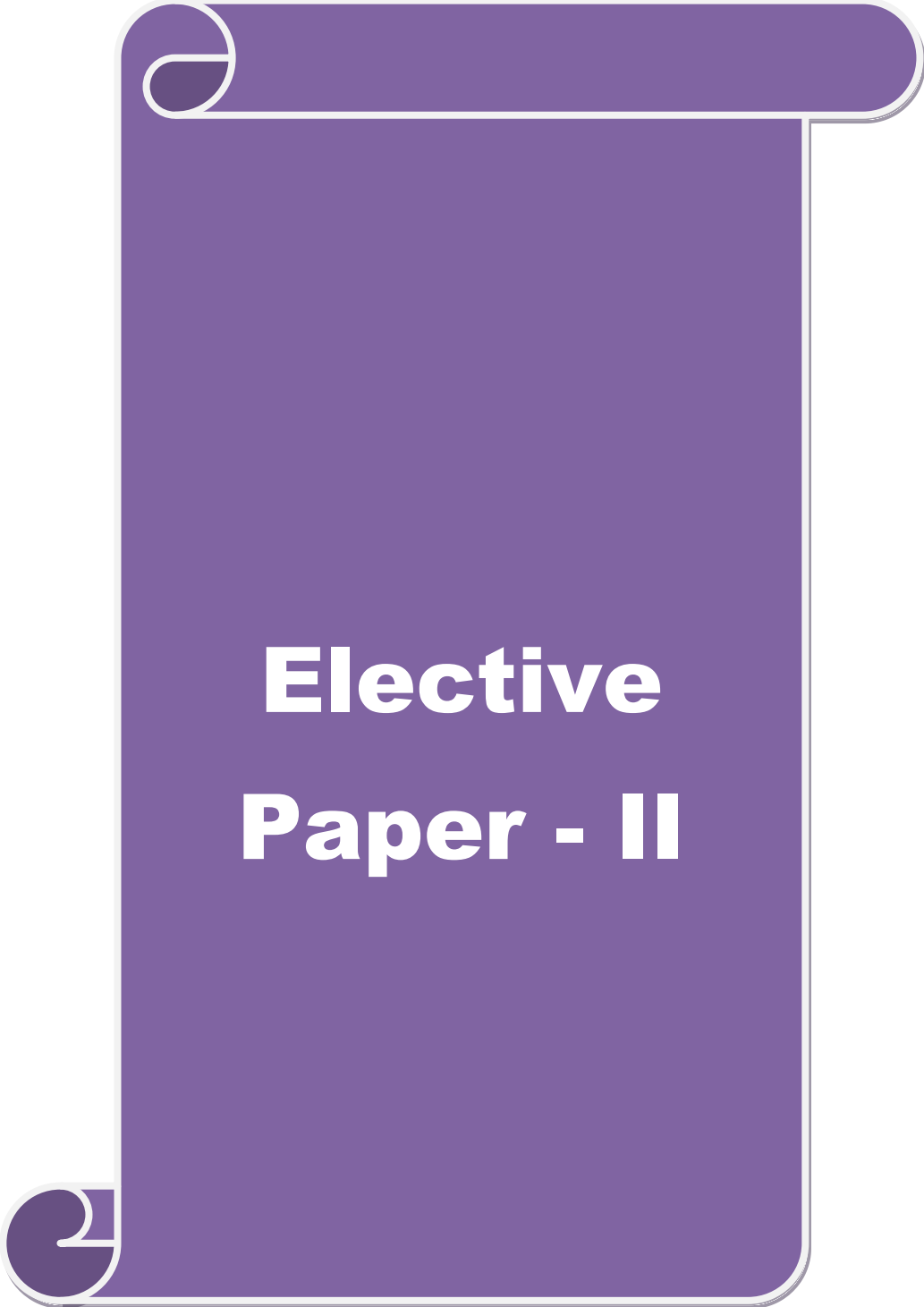
*S-Strong; M-Medium; L-Low

Course code	6ZA	INNOVATION WITH WASTE FABRICS	L	T	P	C
Skill Based Subject	Skill Based Subject IV		-	-	3	3
Prerequisites	Skills in converting waste materials into useful articles		Syllabus Version		2020-2021	
Course Objectives:						
The main objectives of this course are to:						
1. Create an awareness of the pollution created by the fabric waste						
2. Motivate the students to create students to work on bits of waste fabric						
3. Reduce the fabric pollution at a micro scale						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Appraise the enormity of waste fabric available around					K4
CO2	Develop Interest with accessories making with bits of fabrics					K6
CO3	Modify bits of fabric into a creative product					K6
CO4	Take part in 'thinking out of the box' concept					K4
CO5	Design creative and unique products that can be used in their home					K6
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create						
1. Collection of Fabric Wastes					10 hours	
Waste fabrics are collected. The waste fabrics include used clothes, torn garments, fabric waste bits from the tailoring shops or dressmaker's room. The fabrics are washed with soap and hot water and sterilized.						
2. Create the Following Accessories					15 hours	
<ul style="list-style-type: none"> • Hand Bags • Cell Phone Pouches • Belts 						
3. Create the Following Ornaments					15 hours	
<ul style="list-style-type: none"> • Set of Earrings • Pair of Bangles • Hair Band 						
4. Create the Following Products					15 hours	
<ul style="list-style-type: none"> • Puppets • Dress for the Dolls • Note Book Covers 						
5. Home Textile Products					20 hours	
<ul style="list-style-type: none"> • Table Cloth • Door Mats • Plate Mats • Pillow Covers • Any other (For your creativity) 						

		Total Lecture hours	90 hours
Text Book(s)			
1	Cool Fabric Projects: Creative Ways to Upcycle Your Trash Into Treasure, Pam Scheunemann, ABDO, 2012		
2	Upcycling Crafts, Kitty Moore, Venture Ink, 2019		
3	Quilts from the House of Tula Pink, 20 Fabric Projects to Make, Use and Love, Tula Pink, Krause Publications, 2012		
Reference Books			
1	Half Yard (TM) Bags & Purses: Sew 12 beautiful bags and 12 matching purses, Debbie Shore, Search Press, Limited, 2018		
2	Crafty Little Things to Sew: 20 Clever Sewing Projects Using Scraps & Fat Quarters - Caroline Fairbanks and Critchfield, Lark Books, 2017		
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]			
1	https://www.diyncrafts.com/15703/repurpose/100-brilliant-projects-to-upcycle-leftover-fabric-scraps		
2	https://feltmagnet.com/crafts/Fabric-Scraps-Crafts-Ideas		
3	https://in.pinterest.com/fabricdotcom/scrap-fabric-projects/		
4	https://www.youtube.com/watch?v=YscLxJrZ_WI		
5	https://sewing.com/sewing-projects-fabric-scraps/		
Course Designed By: Dr. R. Sheela John			

Mapping with Programme Outcomes						
COs	PO1	PO2	PO3	PO4	PO5	PO6
CO1	L	S	S	L	M	S
CO2	S	S	S	M	L	S
CO3	S	M	S	M	M	S
CO4	S	S	S	M	M	S
CO5	S	M	S	M	M	S

*S-Strong; M-Medium; L-Low

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**Elective
Paper - II**

Course code	6EA	MARKETING AND MERCHANDISING	L	T	P	C
Elective		Paper II - A	-	4	-	4
Prerequisites		Knowledge about the need of marketing and merchandising	Syllabus Version	2020-2021		
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Impart knowledge on the underlying concepts of marketing and fashion marketing 2. Familiarise with the fashion products, consumer, communications, research and forecasting 3. Describe the role of merchandisers in the garment industry and their types 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Understand the basic concepts of marketing and fashion marketing					K2
CO2	Describe the types of fashion products and the consumer behavior					K1
CO3	Explain the process of communication, marketing research and forecasting					K1
CO4	Discover the importance of merchandisers and their types					K3
CO5	Interpret types of stores, design, layouts and merchandise presentation					K2
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
Unit:1	INTRODUCTION TO MARKETING					15 hours
Marketing – Meaning, Marketing management philosophies, Marketing and Fashion Marketing, The fashion market – structure and size. Marketing environment – Micro and Macro marketing. Marketing Mix – Product, price, promotion and place; Marketing Functions – Assembling, standardization and packaging; Digital Marketing – meaning, scope and advantages						
Unit:2	FASHION PRODUCTS AND THE CONSUMER					15 hours
Marketing fashion products – importance and classification of products; the product mix and range planning; the fashion product life cycle; Fashion Consumer - Role of consumer behavior in marketing, types of consumer decisions, the decision process, factors that influence decisions - consumer attitudes, consumer motivation, consumer personality, opinion leadership, family and social status						
Unit:3	MARKETING – COMMUNICATION, RESEARCH AND FORECASTING					15 hours
Fashion marketing communications – traditional approach and integrated approach Fashion marketing research – purpose and significance, stages in the research process Fashion forecasting – meaning and importance, basics of predicting trends – colour, theme, shape, key events, target market; trend forecasting process						
Unit:4	TYPES OF MERCHANDISERS AND VISUAL MERCHANDISING					15 hours
Merchandiser – essential qualities of a merchandiser; types and functions of merchandisers – fashion merchandiser, visual merchandiser, export merchandiser and retail merchandiser;						

Visual Merchandising – Elements of Visual Merchandising – Needs – Psychology – Types of Display; Elements of display.		
Unit:5	STORE MANAGEMENT IN MERCHANDISING	15 hours
Store Management in Merchandising - Introduction, Objectives, Types of Stores, Location of a Store, Store Layout, Types of Store Layouts, Store Space Allocation. Store Design - Introduction, Concept of Store Design, Exterior of a store, Interior of a store, Merchandise Presentation -tools and techniques		
Total Lecture hours		75 hours
Text Book(s)		
1	Fashion Marketing, Mike Easey, Wiley-Blackwell Publishing. 2009.	
2	Fashion Merchandising & Merchandising, Mary G.Wolfe, The Goodheart-Willcox Co.,Inc, Illions, 2014.	
3	Fashion –From concept to consumer – Gini Stephens Frings , Prentice Hall (1999).	
4	Fashion Marketing Management, V. Ramesh And A. Arunraj Babu, Woodhead Publishing India, 2019	
Reference Books		
1	Marketing, Philip Kotler, Gary Armstrong, Veronica Wong, John Saunders, Pearson Education, India, 2008	
2	Fashion- from Concept to Consumer, 9th Edition, Gini Stephens Frings, Pearson Education Ltd, Harlow, 2014	
3	Fashion Marketing, Janet Bohdanowicz and Liz Clamp, Routledge, 1994	
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		
1	https://www.iknockfashion.com/need-of-trend-forecasting/	
2	http://www.createafashionbrand.com/the-5-basics-of-trend-prediction/	
3	https://www.fibre2fashion.com/industry-article/7054/decoding-the-process-of-trend-forecasting-in-fashion	
4	https://textilelearner.blogspot.com/2013/10/role-of-merchandiser-in-apparel-industry.html	
5	https://clothingindustry.blogspot.com/2017/12/merchandiser-merchandising-garment.html	
6	https://blog.hubspot.com/marketing/what-is-digital-marketing	
Course Designed By: Dr. R. Sheela John		

COs	PO1	PO2	PO3	PO4	PO5	PO6
CO1	L	S	S	M	M	M
CO2	L	M	S	M	S	M
CO3	L	M	S	S	M	M
CO4	L	S	S	M	M	S
CO5	L	L	S	S	S	S

*S-Strong; M-Medium; L-Low

Course code	6EB	PRINCIPLES OF MANAGEMENT	L	T	P	C
Elective		Paper II - B	-	4	-	4
Prerequisites		Knowledge about business organization	Syllabus Version	2020-2021		
Course Objectives:						
The main objectives of this course are to:						
1. Impart knowledge on the Principles of Management						
2. Teach the purpose of the steps in the management process						
3. Guide the students have a better understanding on sequence of the steps involved in the managerial process						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Discover the underlying concepts the principles of management					K3
CO2	Appraise of planning and the steps involved in planning					K5
CO3	Understand the importance of organising and the steps involved in planning					K2
CO4	Articulate directing and the steps involved in planning					K3
CO5	Recognise the importance of controlling and the steps involved in planning					K1
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create						
Unit:1	Principles of Management					15 hours
Nature and scope of management – Management Science/Art – Development of management theory – Scientific management – Henry Foyals principles of management.						
Unit:2	Planning, Purpose and Steps					15 hours
Planning – Meaning and purpose of planning – Steps in planning – Types of planning – Objectives and policies – Objectives, policies, procedures and methods, nature and types of policies – Decision making – Process of decision making – Types of decisions – Problems involved in decision making.						
Unit:3	Organising, Purpose and Steps					15 hours
Organizing – Types of organization – Organizational structure – Span of control – Committees. Delegation and centralization line & staff relationship – staffing – Sources of recruitment – Selection process – Training methods – Performance appraisal.						
Unit:4	Directing, Purpose and Steps					15 hours
Directing – Nature and purpose of directing – Motivation – Discipline – Leadership – Supervision – Communication – Requirements for effective controls – Critical control points and standards.						
Unit:5	Controlling, Purpose and Steps					15 hours
Controlling – Need for co-ordinating – Meaning and importance of control – control process – types of control.						
					Total Lecture hours	75 hours

Text Book(s)	
1	Industrial Engineering and Management, O.P. Khanna, Dhanapat Rai Publications, New Delhi 2006.
2	Essentials of Management, Harold Koontz and Heinz Weihrich, Tata McGraw Hill, 1998
3	The Fundamentals of Fashion Management, Susan Dillon, Bloomsbury Publishing, 2018
Reference Books	
1	Business Organisation and Management, D. P. Jain, Vrinda Publications, Delhi, 1999.
2	Management, Patrick.J. Montana and Bruce. H. Charnov, Barrows, 2000.
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://ncert.nic.in/ncerts/l/lebs102.pdf
2	https://www.coursera.org/courses?query=management
3	https://www.edx.org/school/iimbx
Course Designed By: Dr. R. Sheela John	

Mapping with Programme Outcomes						
COs	PO1	PO2	PO3	PO4	PO5	PO6
CO1	L	S	S	M	M	M
CO2	L	M	S	M	S	M
CO3	L	M	S	S	M	M
CO4	L	S	S	M	M	S
CO5	L	L	S	S	S	S

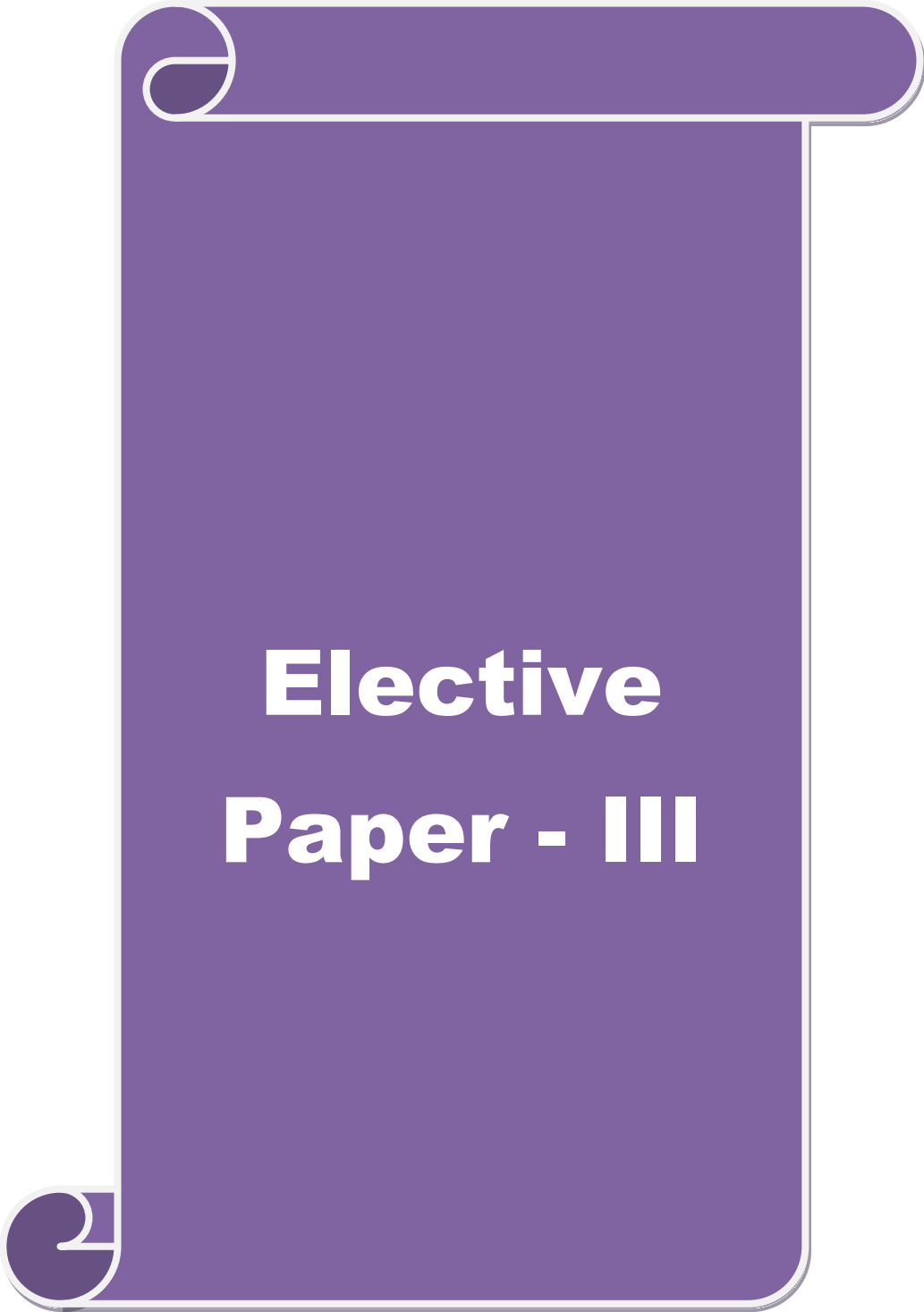
*S-Strong; M-Medium; L-Low

Course code	6EC	BUSINESS FINANCE	L	T	P	C
Elective		Paper II - C	-	4	-	4
Prerequisites		Knowledge about basics of finance	Syllabus Version	2020-2021		
Course Objectives:						
The main objectives of this course are to:						
1. Enable student to understand the financial aspects of a Business						
2. Make students prepare financial plan with a clear understanding of expenses and earnings						
3. Understand the principles of equity shares, bonds, debentures and fixed deposits						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Understand the scope and functions of Finance					K1
CO2	Work on a financial Plan					K4
CO3	Work on cost theory and earnings theory					K4
CO4	Calculate the cost of individual and composite cost of capitals					K3
CO5	Aware of the advantages and limitations of Equity shares, bonds, debentures and deposits					K2
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create						
Unit:1	Business Finance					15 hours
Business Finance: Introduction – Meaning – Concepts – Scope – Functions of finance, Traditional and modern concepts – content of modern finance functions.						
Unit:2	Financial Plan					15 hours
Financial Plan: Meaning – Concept – objectives – Types – Steps – Significance – Fundamentals.						
Unit:3	Basics of Capitalisation					15 hours
Capitalisation – Bases of Capitalisation – Cost Theory – Earning Theory – Over Capitalisation – Under Capitalisation – Symptoms – causes – remedies – Watered Stock Vs. Over Capitalisation.						
Unit:4	Capital Structure					15 hours
Capital Structure – Cardinal Principles of capital structure – Trading on equity – Cost of capital – concept – Importance – Calculation of Individual and composite cost of capital.						
Unit:5	Forms of Finance					15 hours
Sources and forms of Finance: Equity Shares, Preference Share, Bonds, Debentures and fixed deposits – features – advantages and disadvantages.						
	Total Lecture hours					75 hours
Text Book(s)						
1	Essentials of Business Finance, R.M.Sri Vatsava, Himalaya Publishing House, 2016					
2	Financial Management – Saravana Vel, Kalyani Publishers, New Delhi, 2004					

Reference Books	
1	Financial Management – B.Y.Pandey, Tata McGraw Hill, New Delhi, 2000.
2	Financial Management - An Analytical and Conceptual Approach, S.C.Kuchhal, Chitanya Publishing House, 1982.
3	Financial Management – M.Y.Khan and Jain, Sultan Chand & Sons, NewDelhi, 2018
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://ncert.nic.in/textbook/pdf/kebs108.pdf
2	https://www.coursera.org/specializations/financial-management
3	https://talentedge.com/articles/role-financial-management-organization/
Course Designed By: G. Rathina Priya	

Mapping with Programme Outcomes						
COs	PO1	PO2	PO3	PO4	PO5	PO6
CO1	L	L	S	S	L	L
CO2	L	L	S	S	L	L
CO3	L	L	S	M	L	L
CO4	L	L	S	S	L	L
CO5	L	M	S	S	L	M

*S-Strong; M-Medium; L-Low

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**Elective
Paper - III**

Course code	6ED	HOME TEXTILES	L	T	P	C
Elective	Paper III - A		-	4	-	4
Prerequisites	Knowledge about choice of fabrics for Home Textiles		Syllabus Version	2020-2021		
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Impart knowledge on the various home textile products 2. Gain insights on the bed linens, kitchen linens, bathroom linens 3. Acquire better understanding on the choice of fabrics for the home textile products 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Classify the home textile products					K2
CO2	Understand the types of floor and wall coverings					K2
CO3	Distinguish curtains and draperies					K4
CO4	Describe the types of soft furnishings					K1
CO5	Discover the types and functions of kitchen linen					K3
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create						
Unit:1						
					12 hours	
Introduction to home textiles, definition, types of home textiles, factors influencing selection of home textiles, recent trends in home textiles						
Unit:2						
					12 hours	
Floor and wall coverings – definition, types of floor covering –hard, soft and resilient floor coverings and uses and care and maintenance of floor coverings. Wall covering- definition, uses, care and maintenance of wall coverings						
Unit:3						
					12hours	
Door and window treatments –definition and parts of door and windows, curtains and draperies – definition and materials used for curtains and draperies. Types of Curtains –draw, tailored, pleated, cafe, three tier curtains. Types of Draperies – swags. Accessories- rods hook, rails, racks, curtain tape pins						
Unit:4						
					12 hours	
Soft furnishings for living and bed linen. Introduction to living and bedroom linens, types-sofa, sofa covers, wall hangings, cushion, cushion covers, upholsteries, bolster and bolster covers, bed sheets, covers, blankets, blanket covers, comfort and comfort covers, bed spreads, mattress and mattress covers, pillow and pillow covers, pads, uses and care.						
Unit:5						
					12 hours	
Soft furnishings for kitchen and dining, types of kitchen linens – kitchen towel, aprons, dish cloth, fridge, grinder and mixie 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						

	Total Lecture hours	60 hours
Text Book(s)		
1	Home Comforts-The Arts and Science of Keeping Home, Cheryl Mendelson, Scriber, New York, 2005	
2	Cushions and Pillows- Professional Skills – Made Easy, Hamlyn Octopus, Octopus Publishing Group, New York, 2001	
3	The Ultimate Sewing Book 200 Sewing Ideas For You and Your Home, Magi Mc McCormick Gordon, Collins and Brown, London, 2002	
Reference Books		
1	Design and make curtains, Heather Luke, New Holland publishers, London,1999	
2	Cornucopia of Cushions, Susie Johns, Apple Press, London, 1997	
3	Art in Everyday Life, Harriet Goldstein and Vetta Goldstien, The Macmillian Company, 2004	
4	Performance of Home Textiles, Subrata Das, Woodhead Publishing India Pvt. Limited, 2010	
5	Home Furnishing, V. Ramesh Babu and S. Sundaresan, Woodhead Publishing India Pvt. Limited, 2018	
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		
1	https://www.homestratosphere.com/types-curtains/	
2	https://bettersleep.org/mattress-education/mattress-accessories/pillow-types/	
3	https://textilecourse.blogspot.com/2018/06/types-classification-home-textiles.html	
4	https://www.fibre2fashion.com/industry-article/1769/home-textiles-a-review	
5	http://www.india-crafts.com/textile/home-textile.html	
Course Designed By: Dr. P. C. Jemina Rani		

COs	PO1	PO2	PO3	PO4	PO5	PO6
CO1	S	S	S	S	M	M
CO2	S	S	S	S	M	M
CO3	S	S	S	S	M	S
CO4	S	S	S	S	M	S
CO5	S	S	S	S	M	S

S-Strong; M-Medium; L-Low

Course code	6EF	EXPORT ANALYSIS AND DOCUMENTATION	L	T	P	C
Elective		Paper III - B	-	4	-	4
Prerequisites		Knowledge about Export Business	Syllabus Version		2020-2021	
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. To explore the knowledge about the regulation of AEPC 2. To apply the terms and methods in the documentation purpose 3. To understand about the license procedure, pre-shipment charges and transaction 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Apply the costing techniques					K4
CO2	Infer the apparel promotion rules and functions					K4
CO3	Explain the importance of export documentation					K2
CO4	Classify the duties and responsibilities of import and export license					K2
CO5	Compile the details on exchange of bills and documentation before shipping					K6
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create						
Unit:1	Cost Estimation of Yarn					12 hours
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:2	Role of Apparel Export Commission					12 hours
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:3	Documents Related to the Goods					12 hours
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:4	Import License Procedures					12 hours
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:5	Pre-Shipment and Shipment	12 hours
Pre shipment inspection and quality control – Foreign exchange formalities – Pre shipment documents. Shipment of goods and port procedures – Customs clearance		
Total Lecture hours		60 hours
Text Book(s)		
1	Export-What, Where, How, Paras Ram and Nikhil K. Garg, Anupam Publishers, New Delhi, 2016.	
2	Export Import Procedures - Documentation and Logistics, C. New Age International (P) Limited, Rama Gopal, 2006.	
3	Export/Import Procedures and Documentation, Thomas E. Johnson and Donna Bade, AMACOM, 2010.	
Reference Books		
1	Managing the Quality in Apparel Industries, Pradeep V Mehta, New Age International (P) Ltd, New Delhi, 1998.	
2	Export Import Procedures and Documentation, Khushpat S. Jain, Himalaya Publishing House, 2010.	
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		
1	http://rafael.glendale.edu/poorna/ib/seyoum%20book.pdf	
2	https://www.shippingsolutions.com/export-documentation-procedure	
3	https://www.civilserviceindia.com/subject/Management/notes/export-import-procedures.html	
Course Designed By: V. Kavitha		

COs	PO1	PO2	PO3	PO4	PO5	PO6
CO1	L	M	M	M	M	L
CO2	L	S	M	S	M	L
CO3	L	M	M	M	M	L
CO4	L	S	M	S	M	L
CO5	L	S	M	S	M	L

*S-Strong; M-Medium; L-Low

Course code	6EG	APPAREL QUALITY MANAGEMENT	L	T	P	C
Elective	Paper III – C		-	4	-	4
Prerequisites	Knowledge about Garment quality Parameters		Syllabus Version	2020-2021		
Course Objectives:						
The main objectives of this course are to:						
1. Inculcate knowledge in the field of quality parameters						
2. Plan and execute the application of quality standards in garment industry.						
3. Analyze the improvement methods in the TQM techniques.						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Relate quality parameters for yarn and fabric					K3
CO2	Identify the inspection methods for different stages.					K2
CO3	Analyse the principles in TQM					K4
CO4	Discover ISO standards for garment industry and implement it.					K3
CO5	Classify the ISO documentation					K2
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create						
Unit:1	Quality Parameters in the Apparel Industry				12 hours	
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:2	Fabric Inspection				12 hours	
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 labeling and international care symbols.						
Unit:3	Total Quality Management				12 hours	
Principles of TQM – Demings PGDCA Cycle - KAIZAN concepts – 5 „S applications in apparel industry. Application of seven QC tools in apparel industry.						
Unit:4	Quality Standards				12 hours	
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:5	Quality Audit				12 hours	
Documented procedures required for ISO 9001:2000 implementation – Procedures for internal quality audit – Management review meeting – Certification process – Surveillance audit.						

	Total Lecture hours	60 hours
Text Book(s)		
1	ISO 9000 Quality Management System, D.L.Shah Trust, DL Shah Trust Publication, 1999	
2	Managing the Quality in Apparel Industries, Pradeep V Mehta, New Age International (P) Ltd, New Delhi – 1998.	
3	An Introduction to Quality Control for the Apparel Industry, Pradip V. Mehta, J.S.N. International, 1985.	
4	Quality Characterisation of Apparel, Subrata Das, Woodhead Publishing, 2009	
5	The Fundamentals of Quality Assurance in the Textile Industry, Stanley Bernard Brahams, CRC Press, 2016.	
Reference Books		
1	Quality Management Handbook for the Apparel Industry, Pradip V. Mehta, New Age International Publishers, 2012.	
2	Kothari V.K. Testing and Quality Management, IAFL Publications, New Delhi, 1999.	
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		
1	http://content.inflibnet.ac.in/data-server/eacharya-documents/56b0853a8ae36ca7bfe81449_INFIEP_79/12/ET/79-12-ET-V1-S1__unit_7.pdf	
2	https://textilelearner.blogspot.com/2011/08/quality-control-system-in-garments_2589.html	
3	https://fashion2apparel.blogspot.com/2017/02/quality-control-apparel-industry.html	
Course Designed By: Dr. S. Grace Annapoorani		

COs	PO1	PO2	PO3	PO4	PO5	PO6
CO1	L	L	S	S	S	S
CO2	L	L	S	S	S	S
CO3	L	L	S	S	S	S
CO4	M	M	S	S	S	S
CO5	M	M	S	S	S	S

*S-Strong; M-Medium; L-Low

A purple scroll graphic with a white outline and a white shadow. The scroll is unrolled, showing a white interior. The word "Annexure" is written in a bold, white, sans-serif font in the center of the scroll. The top and bottom edges of the scroll are rolled up, with the top roll on the right and the bottom roll on the left.

Annexure

B. Sc. Costume Design and Fashion

Syllabus

(With effect from 2020-21)

Program Code : 22T



Bharathiar University

**(A State University, Accredited with “A“ Grade by NAAC and
13th Rank among Indian Universities by MHRD-NIRF)**

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