B. Sc. Apparel Manufacturing & Merchandising

Syllabus

AFFILIATED COLLEGES

Program Code:26P

2021 – 2022 onwards



BHARATHIAR UNIVERSITY

(A State University, Accredited with "A" Grade by NAAC, Ranked 13th among Indian Universities by MHRD-NIRF, World Ranking: Times -801-1000,Shanghai -901-1000, URAP - 982)

Coimbatore - 641 046, Tamil Nadu, India

Program	Program Educational Objectives (PEOs)						
The B.S	c (Apparel Manufacturing and Merchandising) program describe						
accompl	ishments that graduates are expected to attain within five to seven years after						
graduati	on and a second s						
PEO1	Manufacturer and Merchandiser: The student can excel in the field of						
	Manufacturing and Merchandising after the completion of the Program.						
PEO2	Brand Management: The Student can develop his own brands in Apparel Sector.						
PEO3	Entrepreneur: Start- Up of An Entrepreneur with potential is possible with new						
	ideas towards Apparel Industry.						
PEO4	Visual Merchandiser: Student can work as Visual Merchandiser in reputed retail						
	outlets						
PEO5	Production Manager: Student can begin his carrier in the area of Apparel						
	Production and Industrial Engineering.						
PEO6	Quality Manger: Student can work as Quality Mangers and Inspection Officers in						
	Garment Industry						
PEO7	Fabric Manger: Student can work as Fabric Mangers in the Factories of Knits and						
	Woven.						
PEO8	Merchandiser: Student can work as Export Merchandiser and Retail Merchandiser						
PEO9	Costing Manger: Student can work as Costing Mangers in Garment Factories,						
	Supervisors in Textile Wet Processing and Printing.						
PEO10	Consultant: Student can act as Consultant in Apparel Sectors.						
REAL COLOR							

Program	Program Specific Outcomes (PSOs)						
After the	After the successful completion of B.Sc (Apparel Manufacturing and Merchandising)						
program,	the students are expected to						
PSO1	The students have to learn Basic of Textiles such as Fibres and Yarns.						
PSO2	The students are expertise in the area of Knitting and Weaving.						
PSO3	The students are proficiency in the area of Dyeing and Printing.						
PSO4	The students are skilled in the area of Textile Testing and Quality Control						
PSO5	The Students are Capable of developing variety of Manual Pattern.						
PSO6	The Students can extend Pattern in CAD Software's.						
PSO7	The Students should be enriched knowledge in Sewing Techniques.						
PSO8	The Students must be talented in Merchandising Skills, Costing, Production						
	Planning and Programming.						
PSO9	The students will have a clear idea towards Start- Up of an Enterprise.						
PSO10	The Students ought to Export Sampling and New Product development.						



Program	Outcomes (POs)					
On succe	On successful completion of the B.Sc (Apparel Manufacturing and Merchandising)					
program						
PO1	The Student will be thorough in the Molecular conformations of textile fibres and Yarns.					
PO2	The Students will be skilled in the Principles of Knitting and Weaving.					
PO3	The Students will be strong in Fabric Production, defectiveness of the fabrics and their causes and remedies.					
PO4	The Students will be skilled in the Dyeing and Printing Process.					
PO5	The Students will recognize and understand ethical issues related to the accounting profession and to Prepare financial statements.					
PO6	The Students will be capable in Quality parameters of Textile Testing.					
PO7	The Students will have sound knowledge in Apparel Production Systems and Statistical Process Control.					
PO8	The students will know the activities and Role of Merchandiser, Merchandise Management, Marketing, Planning, Buying and Selling functions.					
PO9	The Students will be trained in Garment Costing, Processing of Export and Import orders and the implications of foreign trade policy					
PO10	The students will have confidence and Entrepreneurial Skills essential for the successful launch and scaling-up of an Enterprise.					

BHARATHIAR UNIVERSITY: COIMBATORE 641 046 B.Sc. APPAREL MANUFACTURING AND MERCHANDISING CURRICULUM

(For the students admitted from the academic year **2021-2022** and onwards)

Scheme of Examination

		Hours/						
Part	Title of the Course	Week	Duration		Maximum Marks			
			in Hours	CIA	ESE	Total	Credits	
-		Semes				100		
Ι	Language I	6	3	50	50	100	4	
II	English I	6	3	50	50	100	4	
III	Core Paper I - Textile Fibres and Yarns	4	3	50	50	100	4	
III	Core Paper II - Knitting Technology	4	3	50	50	100	4	
III	Core Practical I - Knitting Technology Practical	4	3	50	50	100	4	
III	Allied Paper I - Computer Application Practical	4	3	30	45	75	3	
IV	Environmental Studies *	2	3	-	50	50	2	
	Total	30	-	280	345	625	25	
		Semest	1	T	I			
Ι	Language II	6	3	50	50	100	4	
II	English II	6	3	50	50	100	4	
III	Core Paper III - Woven Fabrics and Designs	4	3	50	50	100	4	
III	Core Paper IV - Pattern Making and Grading	4	3	30	45	75	3	
III	Core Practical II - Pattern Making	5	3	30	45	75	3	
III	Allied Paper II - Woven Fabric Analysis and Designing Practical	3	3	30	45	75	3	
IV	Value Education – Human Rights*	2	3	-	50	50	2	
	Total	30	-	240	335	575	23	
		Semest	er III	•				
III	Core Paper V - Garment Machineries and Equipments	4	3	50	50	100	4	
III	Core Paper VI - Textile Wet Processing	4	3	50	50	100	4	
III	Core Practical III - Garment Construction I	6	3	30	45	75	3	
III	Core Practical IV - Textile Wet Processing Practical	5	4	30	45	75	3	
III	Allied Paper III - Principles of Management	4	3	30	45	75	3	
IV	Skill based Subject I - Accountancy for Merchandisers	5	3	30	45	75	3	
IV	Tamil** / Advanced Tamil* (OR) Nonmajor elective - I (Yoga for Human Excellence)* / Women's Rights*	2	3	-	50	50	2	

	Total	30	_	220	330	550	22
	1000	Semest	er IV	220	550	000	
	Core Paper VII - Textile Testing and			= 0		100	
III	Quality Assurance	4	3	50	50	100	4
	Core Paper VIII - Basics of Garment					100	
III	Construction	4	3	50	50	100	4
	Core Paper IX - Apparel					100	
III	Merchandising I	4	3	50	50	100	4
	Core Practical V – Garment			•			
III	Construction II	6	4	30	45	75	3
	Allied Paper IV - Textile Testing	_		-			
III	Practical	6	4	30	45	75	3
	Skill based Subject II - Fashion						
IV	Business	4	3	30	45	75	3
	Tamil**/Advanced Tamil* (OR)						-
IV	Nonmajor elective -II (General	2	3	-	50	50	2
	Awareness*)		_				
	Total	30	-	240	335	575	23
		Semest	er V	•	1		1
ш	Core Paper X - Apparel Production	4	2	50	50	100	4
III	Management	4	3	50	50	100	4
TTT	Core Paper XI - Apparel	4	2	20	45	75	3
III	Merchandising II		3	30	45	75	3
III	Core Paper XII - Total Quality	4	3	30	45	75	3
111	Management	4	5	50	43	15	3
III	Core Paper XIII - Garment Costing	4	3	50	50	100	4
III	Core Practical VI- Computer Aided		4	30	45	75	3
111	Designing	5	4		43	15	5
III	Elective I	4	3	50	50	100	4
	Skill Based Subject III - Export						
IV	Sampling and Product Development	5	-	30	45	75	3
	Project #						
	Total	30	-	240	360	600	24
		Semest	er VI				
III	Core Paper XIV - International Trade	4	3	30	45	75	3
	and Documentation						
III	Core Paper XV - Apparel Retailing	4	3	50	50	100	4
III	Core Paper XVI - Entrepreneurship	4	3	30	45	75	3
	and Small Business Development						
III	Elective II	4	3	50	50	100	4
III	Elective III	4	3	50	50	100	4
IV	Skill based Subject IV – Project #	10	-	30	45	75	3
V	Extension Activities **	-	-	-	50	50	2
	Total	30	-	210	365	575	23
	Grand Total	180		1445	2055	3500	140

CIA – Continuous Internal Assessment

CEE – Comprehensive External Examination

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

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

#Mark Division for Project / Viva Voce

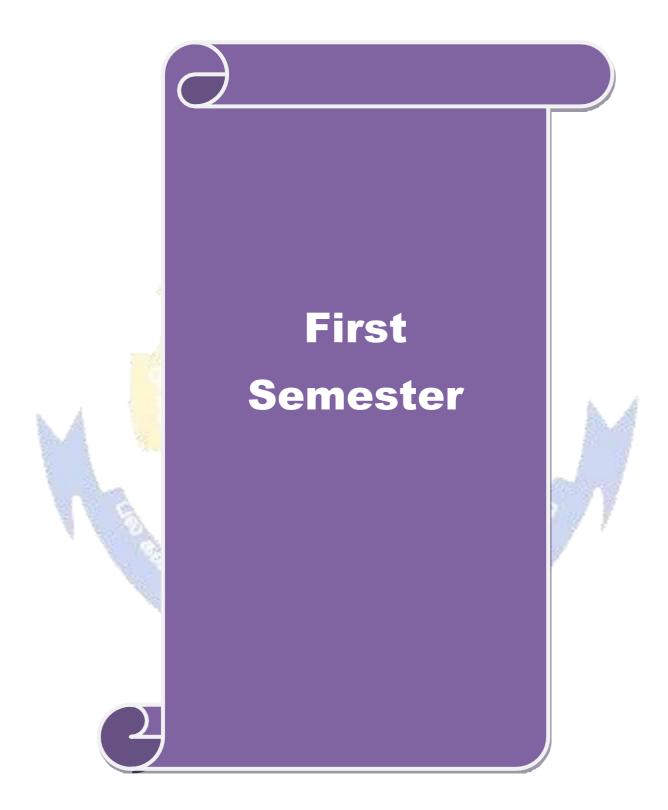
Paper title	Total	CIA	CE	E
	Marks		Evaluation	Viva-voce
Skill Based Subject III - Export Sampling and	75	30	30	15
Product Development Project				
Skill based Subject IV – Project	75	30	30	15

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 El	List of Elective papers (Colleges can choose any one of the paper as electives)					
Elective – I A Fashion and Apparel Marketing.						
	В	Business Communication.				
C Clothing Care.						
Elective – II	А	Research Methods.				
	В	Industrial Engineering Techniques.				
	С	Eco Textiles.				
Elective – III	А	ERP in Apparel Industry.				
B Intimate Apparel Manufacturing Techniques.						
	С	Apparel Brand Management.				



Course Code	13A	TEXTILE FIBRES AND YARNS	L]	[Р	С	
Core		Paper I 4	4 .	,	-	4	
Pre-requisite		Basic Knowledge in Textiles and Science	nowledge in Textiles and Science Syllabus Version				
Course Object	tives:						
The main object	tives of t	this course are to:					
1. To Facilita	te the stu	dents to understand the structural features of Fibres and Ya	arn.				
2. To Investig	ation tec	hniques of textile fibres and yarn with its manufacturing Pr	rocess.				
3. To Learn th	ne Proper	ties and behaviour of Fibres and Yarn.					
4. To Gain kn	owledge	in Advanced Spinning System.					
		A AND DO DATE TO					
Expected Cou	rse Outc	omes:					
On the success	ful compl	letion of the course, student will be able to:					
1 Remember	er the mo	lecular conformations of many textile fibres.]	X1		
2 Understan	d the new	v process of textile fibres and yarns.		I	K2		
3 Apply the	uses of F	Fibres and Yarns in Textile Industry.		l	Χ3		
4 Analyze th	ne <mark>structu</mark>	ral investigations techniques of Fibres and Yarn.		I	Κ4		
5 Understan	nd the Ph	ysical and Chemical Properties and behaviour of textile fib	ores and	I	Κ2		
Yarns.	-	and the second	6		â.		
K1 - Remembe	er; <mark>K2 - U</mark>	Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6	- Creat	e	1		
Unit:1	No. 4	Introduction of Textile Fibers	1	4	hou	urs	
Introduction of	f textile f	fibres: Classification - Physical and chemical properties. C	Cotton: I	Bota	nica	al	
and commerc	ial classi	fication - Properties - End uses. Brief study about Orga	anic co	ton	Fla	ıx:	
Properties - E	nd uses.	Brief study about organic cotton. Wool: Producing coun	ntries -	Grad	ling	g -	
Properties - E	nd uses -	Felting – Woollen and Worsted Yarns. Silk: Producing co	ountries	_			
Degumming –	Weighti	ng– Properties - End uses. Brief study on wild silk varietie	es.				
	1. C.						
Unit:2		Filament Spinning System	1)	hou	urs	
Methods of fi	lament sp	pinning. Semi synthetic fibres: Regenerated and modified	ed cell	llos	e -		
=	process	flow - HWM fibres - End uses -Brief study of Bambo	o, Lyo	cell,	Soy	ya	
bean fibres.		A CONTRACT OF THE OWNER					
Unit:3		Polymer Science		1			
5	U	ties – Types of polymers & Polymerization. Synthetic fib				-	
		vester, Poly Acrylic, and Spandex. Individual fibre pro					
		rawing and effects. Texturisation: definition, types, prope	erties o	f tey	tur	ed	
yarn-its uses.	Micro fib	pres.					
				_	-		
Unit:4		Yarn Production Process types- Staple spinning system – Types. Yarn manufact		2			

Ginning- objectives, Objectives and process sequence –Blow room, carding, Drawing, combing, simplex, ring frame, Comparison of carded and combed yarn. Principles and process sequence - Rotor spinning, Compact Spinning.

Unit:5

Post Yarn Process

13-- hours

Post spinning process: cone winding, Doubling, reeling- Ply yarn and single yarn Characteristics. Properties required for export quality hosiery yarns. Study of yarn twist and its importance — Various yarn & package defects. Yarn numbering systems. Blended textiles: Types of blending – Benefits – Double yarn - Properties –Uses. Classification of Sewing threads & applications – core spun sewing thread – Advantages.

		Total Lecture hours	60 hours
Te	xt Book(s)	An Alexandre Marine Mar	
1	A Text Bo	ook of Fibre Science and Technology, Mishra, S.P, New Age	International (P) Ltd
	Publishers	, New <mark>Delhi 2000.</mark>	
2	Spun Yarn	Technology, Eric Oxtoby, Butterworth-Heinemann, Published	in 1987.
3	The Motiv	vate Se <mark>ries – T</mark> extiles, Wynne, A, Publis <mark>her : Macmillan</mark> Ed	lucation Ltd.,
	London, 1	997.	9 <u>.</u>
Re	ference Boo	ks and a second se	
1	Hand Boo	k o <mark>f T</mark> extile Fibres – Vol. I & Vol. II. Gordon Cook, J, Wood I	Head Publishing Ltd.,
	Cambridge	e, England, 1984.	
2	Man-made	Fibres, Moncrieff, W, Butterworth Scientific Publication, 197	5.
3	Handbook	of Textile Fibres: Natural Fibres, J Gordon Cook, Woodhead	publication
	Limited,19	984.	
			S 7 1
Re	lated Onlin	e Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	S
1	https://tex	tilelearner.blogspot.com/	19
2	https://ww	w.textiletoday.com.bd/category/innovations/fiber-yarn-fabric/	
3	https://stu	ly.com/academy/lesson/textile-yarns-definition-types-classifica	ation.html
		SSL II Inconst S. W.W.S.	
0-	D	d Dev Mar D Arite Deebal	

Course Designed By: Mrs.D.Anita Rachel

Mappi	Mapping with Programme Outcomes										
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	
CO1	S	М	S	М	L	М	М	М	L	S	
CO2	S	S	М	М	М	S	М	М	М	S	
CO3	S	S	S	S	М	S	М	М	М	S	
CO4	S	S	S	S	М	S	М	М	М	S	
CO5	S	S	М	М	L	S	М	М	М	S	

Course Code	13B	KNITTING TECHNOLOGY	L	Т	Р	С
Core		Paper II	4	-	-	4
Pre-requisite		Basic Knowledge in Fabric Science	•	Syllabus2021Version2022		
Course Object						
5		this course are to:				
		tts to understand about the Fundamentals of knitting.				
	• •	es of knitting processes in detail.				
3. To Analyse	the Fur	nctioning of components of knitting machine.				
Expected Cou						
		pletion of the course, student will be able to:				
		the Principle of knitting.			K1	
		fferent types of knitting machines.			K2	
11.5		re of fabric produced by different knitting machines.			K3	
		rties of fabric produced by different knitting machines.			K4	
		pes of knitting machines.			K2	r
K1 - Remembe	er; K2 -	Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; 1	K6 – C	Create		
Unit:1	1	Introduction to Knitting		1 day	ho	
		ng methods-Comparison of weaving and knitting-Prin				
27	_	arison of weft and warp knitting – Classification of l				s -
	-	of a circular knitting machine – Knitting machine el	ement	s and	3	
description - K	nitting c	cycle of latch needle with sinker.	20	1.5	3	
19	3		8			
Unit:2	2	Description of Knitting	9		- ho	
U		initions - Principal weft knit stitches - Knit, tuck and m				
		esentation of weft knit stitches – Study of Basic we				
		iption of circular Rib & Interlock knitting machine –		acteri	stics	of
basic weft knit	structur	es – Circular knitting GSM and production calculations.				
		Contract (160)				
Unit:3		Types of Knitted Fabrics		12 -	- ho	ars
Single jersey k	nit fabri	c structures, their cam and needle order: Plain jersey, P	ique, 7	Thick	pique	э,
Honey comb, H	Pearl and	d Twill. Rib fabric structures, their cam and needle orde	er: 1x1	rib,	2x2 r	ib,
Drop needle, H	Royal ril	b, Polka rib, Double half cardigan, Double cardigan, N	Milano	rib,	Waff	le,
Flat back, Swis	ss doubl	e pique and French double pique. Interlock fabric struct	ures, t	heir c	am a	nd
needle order: In	nterlock	, Eight lock, Ottoman rib, Pin tuck, Texi pique and Ponte	e di Ro	oma.		
Unit:4		Jacquard Knitting		9.	- ho	r
		•				
-	0	edle selection techniques – Pattern jack, Pattern wheel				
-		d knitting machines – Brief study on specialty weft knit				
stripe yarn prog and Remedies.	grammir	ng – Elastomeric yarn insertion and effects – Knitted fal	oric fai	ılts –	Caus	es
and kemedies.						

Un	it:5	Advance Knitting Techniques	14 hours					
Fla	t Knitting -	- Yarn passage diagram of a flat knitting machine - Mech	hanical type Flat					
knitting machine - Needle bed assembly - Racking, Carriage and Cam box arrangement -								
Tra	nsfer Stitch	and Drop Stitch - Thread diagram, effects and application	ns – Introduction to					
con	nputer cont	rolled Flat knitting machine. Concept of fully-fashioned mac	chines and seamless					
kni	twears. Intre	oduction to warp knitting – Warp knitting terminologies – O	p e n lap and closed					
lap	. Basic lap	ping variations - Detailed study of knitting elements of 7	Tricot and Raschel					
ma	chines. Kni	tting action of Tricot and Raschel machines. Comparison of	Tricot and Raschel					
ma	chine. Study	y of standard two bar warp knit structures and their properties	s – Lock knit, Satin,					
Rev	verse lock k	nit, Loop raised, Sharkskin and Queens's cord.						
		Total Lecture hours	60 hours					
Te	xt Book(s)							
1	_	echnology, D.B. Ajgaonka, Universal Publication, 1998.						
2	Knitting T	echnology, David .J.Spencer, Elsevier Publication, 2014.	te.					
3	Circular k	n <mark>itting techn</mark> ology, Chandrasekara Iyer et al.,M <mark>eise</mark> nba <mark>ch Publi</mark> o	cation,2004.					
	ference Boo							
1	405	ng <mark>, Dr.Samu</mark> el Raz, Westenhausen Publication, 1993.						
2	Warp Knit	tin <mark>g Techno</mark> logy, Dr.S.Raz. KarlMayer Publication, 2001.						
3	Fabric for	ning systems, Peter Lord et al., Noyes Publications,1982.						
	and and		Addres 1					
Rel	lated Onlin	e Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	200					
1	https://ww	w.sciencedirect.com/topics/engineering/knitting-technology	S					
2	https://npte	el.ac.in/courses/116/102/116102008/						
3	https://ww	w.academia.edu/32347533/KNITTING_TECHNOLOGY						

Course Designed By: Mr. V. Rajendran

Mappir	ng with P	rogramn	ne Outco	mes	1111 2	31110				
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	М	М	М	М	L	М	М
CO2	S	S	М	М	L	S	М	М	М	S
CO3	S	S	S	М	М	М	L	М	М	М
CO4	S	S	М	М	L	S	М	М	М	S
CO5	S	S	S	М	М	М	М	М	М	М

Course Code	13P	KNITTING TECHNOLOGY PRACTICAL	L	Т	Р	С
Core		Practical I	-	-	4	4
Pre-requisite		Basic Knowledge in Fabrics	Sylla Versi		2021 2022	
Course Object						
To Train the structures.	student	s in analyzing the cloth to identify construction p	arame	ters	of K	nit
Expected Cour	se Out	comes:				
On the successf	ul comp	bletion of the course, student will be able to:				
1 Remember	r Identif	fy the constructional parameters of fabric.			K1	
2 Understand	l many	different knit structures.			K2	
3 Apply the	Knit, Tu	ick and cam patterns in the structures of Knits.			K3	
		ent knitted fabrics.			K4	
•		structures of knits.			K4	
		Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate;	K6 – (Create	e	
			a			
Da - 4 A	1.0					
 Calculate th Trace the d Also mention 	ne speed iagram on the in	Experiments d of single jersey knitting machine through gearing Dia d of rib knitting machine through gearing diagram. of different cams in the conventional/modern knitting mportance of each cam.	mach	ine v		urs
 Calculate t Calculate t Trace the d Also mention Trace the Trace the Trace the p mechanism Develop a 	ne speed iagram on the in take do ositive for two pattern	d of single jersey knitting machine through gearing Dia d of rib knitting machine through gearing diagram. of different cams in the conventional/modern knitting mportance of each cam. own mechanism and set the mechanism for maximum feeder mechanism available in the modern knitting mac o different feed lengths. for flat knitting and set the machine accordingly.	; mach n and	ine v mini	vith mum	urs
 Calculate t Calculate t Trace the d Also mention Trace the p Trace the p mechanism Develop a Develop a 	ne speed iagram on the in take do ositive for two pattern	d of single jersey knitting machine through gearing Dia d of rib knitting machine through gearing diagram. of different cams in the conventional/modern knitting mportance of each cam. own mechanism and set the mechanism for maximum feeder mechanism available in the modern knitting mac o different feed lengths.	; mach n and	ine v mini	vith mum	urs
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 Calculate t Calculate t Trace the d Also mention Trace the p mechanism Develop a Develop a Develop a Develop a Evelop a Develop a Trace the p Develop a Trace the p Two Thread H 	The speed iagram fon the in take do ositive for two pattern pattern	d of single jersey knitting machine through gearing Dia d of rib knitting machine through gearing diagram. of different cams in the conventional/modern knitting mportance of each cam. own mechanism and set the mechanism for maximum feeder mechanism available in the modern knitting mac o different feed lengths. for flat knitting and set the machine accordingly. for circular knitting and set the machine accordingly.	; mach n and	ine v mini nd se	vith mum t the	
 Calculate ti Calculate ti Trace the di Also mention Trace the pinechanism Develop a Trace the pinechanism Trace the pinechanism Trace the pinechanism Trace the pinechanism Touble Pique Lacoste Pearl Twill Two Thread I Mini Jacquard 	The speed iagram fon the in take do ositive for two pattern pattern	d of single jersey knitting machine through gearing Dia d of rib knitting machine through gearing diagram. of different cams in the conventional/modern knitting mportance of each cam. own mechanism and set the mechanism for maximum feeder mechanism available in the modern knitting mac o different feed lengths. for flat knitting and set the machine accordingly. for circular knitting and set the machine accordingly.	; mach n and	ine v mini nd se	vith mum t the	
 Calculate ti Calculate ti Trace the d Also mention Trace the p mechanism Develop a Develop a Develop a Develop a Develop a Trace the p mechanism Develop a Trace the p mechanism Develop a Towelop a Two Thread F Two Thread F Mini Jacquard Auto Striper 	The speed iagram fon the in take do ositive for two pattern pattern	d of single jersey knitting machine through gearing Dia d of rib knitting machine through gearing diagram. of different cams in the conventional/modern knitting mportance of each cam. own mechanism and set the mechanism for maximum feeder mechanism available in the modern knitting mac o different feed lengths. for flat knitting and set the machine accordingly. for circular knitting and set the machine accordingly.	; mach n and	ine v mini nd se	vith mum t the	
 Calculate ti Calculate ti Trace the di Also mention Trace the pinechanism Develop a Trace the pinechanism Trace the pinechanism Trace the pinechanism Total and the pinechanism Twill Two Thread H Mini Jacquard Auto Striper Rib Waffle 	e speed iagram on the in take do ositive for two pattern pattern Fleece d Design	d of single jersey knitting machine through gearing Dia d of rib knitting machine through gearing diagram. of different cams in the conventional/modern knitting mportance of each cam. own mechanism and set the mechanism for maximum feeder mechanism available in the modern knitting mac o different feed lengths. for flat knitting and set the machine accordingly. for circular knitting and set the machine accordingly.	; mach n and	ine v mini nd se	vith mum t the	
 Calculate ti Calculate ti Trace the d Also mention Trace the p mechanism Develop a Develop a Develop a Develop a Develop a Develop a Trace the p mechanism Develop a Develop a Trace the p mechanism Develop a Develop a To be provided a The provided a Two Thread I Two Thread I Mini Jacquard Auto Striper Rib Waffle Flat Back Ris 	e speed iagram on the in take do ositive for two pattern pattern fleece d Design b	d of single jersey knitting machine through gearing Dia d of rib knitting machine through gearing diagram. of different cams in the conventional/modern knitting mportance of each cam. own mechanism and set the mechanism for maximum feeder mechanism available in the modern knitting mac o different feed lengths. for flat knitting and set the machine accordingly. for circular knitting and set the machine accordingly.	; mach n and	ine v mini nd se	vith mum t the	
 Calculate ti Calculate ti Trace the di Also mention Trace the pinechanism Develop a Trace the pinechanism Trace the pinechanism Trace the pinechanism Total and the pinechanism Twill Two Thread H Mini Jacquard Auto Striper Rib Waffle 	e speed iagram on the in take do ositive for two pattern pattern fleece d Design b	d of single jersey knitting machine through gearing Dia d of rib knitting machine through gearing diagram. of different cams in the conventional/modern knitting mportance of each cam. own mechanism and set the mechanism for maximum feeder mechanism available in the modern knitting mac o different feed lengths. for flat knitting and set the machine accordingly. for circular knitting and set the machine accordingly.	; mach n and	ine v mini nd se	vith mum t the	

An	alysis of the	Following Particulars:			
	A) Cou	rse and Wale density	B) Loop length	C) Areal Dens	sity (GSM)
	, 0	htness factor	E) Technical Graph	F) Cam Orde	r
	,	edle Order			
	(Any o	ne of the above designs s	hall be given)		
			Total Lectu	ire hours	60 hours
Te	xt Book(s)				
1	Knitting T	Technology, D.B. Ajgaonk	a, Universal Publication,	1998.	
2	Knitting T	Technology, David .J.Spen	cer, Elsevier Publication,	2014.	
3	Circular k	nitting technology, Chand	rasekara Iyer et al.,Meise	nbach Publicati	on,2004.
		10 A A	12 9.2		
Re	ference Boo	ks		The second second	
1	Flat knitti	ng, Dr.Samuel Raz , West	enhausen Publication,199	03.	
2	Warp Kni	tting Technology, Dr.S.Ra	z, KarlMayer Publication	n, <u>200</u> 1.	
3	Fabric for	ming systems, Peter Lord	et al., Noyes Publications,	,1982.	
		12 1 C 1	ASE PEA		
Re	lated Online	e Contents [MOOC, SWA	YAM, NPTEL, Website	e <mark>s e</mark> tc.]	
1	https://www	w <mark>.sciencedi</mark> rect.com/topics	s/engineering/knitting-tec	hn <mark>ology</mark>	
2	https://npte	1 <mark>.ac.in/cour</mark> ses/116/102/11	6102008/	1000	
3	https://www	w.academia.edu/32347533	KNITTING_TECHNOL	OGY	
		1 The 1 Part of 1		1	
Co	urse Design	ed by: Mr. K. Kannan.	an part	1 - 4	1 3
L		2	- 23 /	1. 1.	

Mappir	ng with P	rogramn	ne Outco	mes	11.8	1		1	1.27	1
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	L	M	М	L	L	М	М
CO2	S	S	М	М	М	S	М	М	М	S
CO3	S	S	S	М	М	М	L	М	L	М
CO4	S	S	М	М	L	S	М	М	М	S
CO5	S	S	S	М	М	L	М	М	М	М
*S-St	rong: M-	Medium;	L-Low	- Andrews	ERIT R	1 Julia				•

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

L Bra

Allie	rse Code	1AP	COMPUTER APPLICATION PRACTICAL	L	Т	Р	С
1 111100	d		Paper I	-	-	4	3
Pre-r	requisite		Basic Knowledge in Computer	Sylla Vers		2021 2022	_
Cour	se Objectiv	es:					
			to be familiar with the use of MS Office software	and			
			visualization tools.				
	cted Course						
		1	of the course, student will be able to:				
			known in MS Office.			K1	
		-	er Operations.			K2	
			ng design methods for program development.			K3	
	Analyze the	0.00	•			K4	
			all Programmes.			K1	
K1 -]	Remember;	K2 - Under	<mark>stand; K3 -</mark> Apply; K4 - Analyze; K5 - Evaluate; F	<u> X6 – (</u>	Create	e	
		1	Experiments		60) ho	urs
1(11	 Prepare st Prepare a Prepare a Create a M Search the Design a T Create a J Design a F Design a V 	udents Marl Employee S Power Poin Aail id and u given topic C-shirt and A ewellery des Precious sto wedding inv	ne.			ming.	
14	5. Design a v	web page wi	th hyperlinks linking all pages				
14 15		web page wi	International Contraction of the		60) ho	urs
14 15 Text	Book(s)		th hyperlinks linking all pages Total Lecture hours	0.01	60) ho	urs
14 15 Text 1	Book(s) Programmin	ng in Basics	th hyperlinks linking all pages Total Lecture hours E.Balagurusamy, TMH Publ.Co.Ltd,III, Edition,2				urs
14 15 Text	Book(s) Programmin	ng in Basics	th hyperlinks linking all pages Total Lecture hours				urs
12 15 Text 1 2	Book(s) Programmin Programmi	ng in Basics ng in Basic,	th hyperlinks linking all pages Total Lecture hours E.Balagurusamy, TMH Publ.Co.Ltd,III, Edition,2				urs
14 15 Text 1 2 Refer	Book(s) Programmin Programmi rence Books	ng in Basics ng in Basic,	th hyperlinks linking all pages Total Lecture hours E.Balagurusamy, TMH Publ.Co.Ltd,III, Edition,2 Byrons Gotfried, RM Consulting Services Public	ation,			
14 15 Text 1 2 Refer 1	Book(s) Programmin Programmi rence Books The Interne	ng in Basics ng in Basic, s t Complete,	th hyperlinks linking all pages Total Lecture hours E.Balagurusamy, TMH Publ.Co.Ltd,III, Edition,2 Byrons Gotfried, RM Consulting Services Public Harley Hahan, Tata McGraw – Hill Publication, 2	ation, 001.	1983		urs
14 15 Text 1 2 Refer 1	Book(s) Programmin Programmi rence Books The Interne	ng in Basics ng in Basic, s t Complete,	th hyperlinks linking all pages Total Lecture hours E.Balagurusamy, TMH Publ.Co.Ltd,III, Edition,2 Byrons Gotfried, RM Consulting Services Public	ation, 001.	1983		
14 15 Text 1 2 Refer 1	Book(s) Programmin Programmi rence Books The Interne	ng in Basics ng in Basic, s t Complete,	th hyperlinks linking all pages Total Lecture hours E.Balagurusamy, TMH Publ.Co.Ltd,III, Edition,2 Byrons Gotfried, RM Consulting Services Public Harley Hahan, Tata McGraw – Hill Publication, 2	ation, 001.	1983		

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

1 http://www.uiet.co.in/downloads/20160326015708

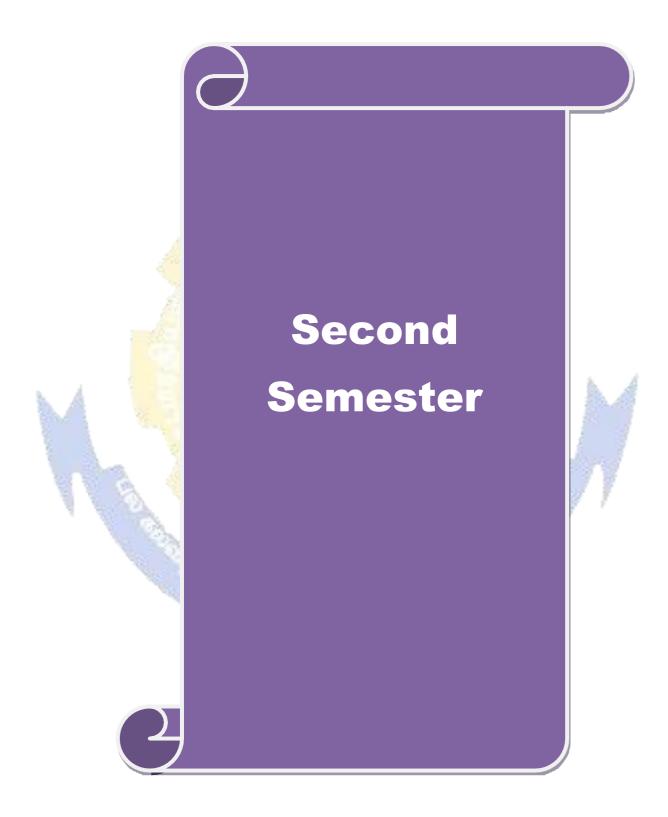
2 <u>http://dhsekerala.gov.in/downloads/circulars/0107151111_com.pdf</u>

3 <u>https://www.researchgate.net/publication/286048915</u>

Course Designed By: Mr. P. Pratheep Kumar

Mappi	ng with	Program	me Out	comes						
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	М	М	М	М	М	М	М	М	S	S
CO2	М	М	М	M	М	М	M	М	S	S
CO3	М	M	M	M	М	М	M	М	S	S
CO4	М	М	М	М	М	М	М	М	S	S
CO5	М	M	М	М	М	М	М	М	S	S





Course Code	23A	WOVEN FABRICS AND DESIGNS	L	Т	Р	С
Core	•	Paper III	4	-	-	4
Pre-requisite		Basic Knowledge in Fabrics	Sylla Versi		2021 2022	
Course Object						
5		is course is to enable the students to understand				
		processes involved in the production of fabric.				
• Bas	sics of we	eaving processes.				
Expected Cou						
		letion of the course, student will be able to:			17.1	
	-	cesses involved in the production of fabrics.			K1	
	-	nciples of different fabric production methods.			K2	
	-	in Weaving Techniques.			K3	
-		s fabric defects and their causes and remedies.			K4	
		ance Weaving Methods and its Procedures.			K2	
KI - Remembe	er; K2 - U	Inderstand; K3 - Apply; K4 - Analyze; K5 - Evaluate; I	X0 – C	reate		
Unit:1	· 25-	Introduction to Weaving	5	10	ho	
open wind and	d close w	material through precision winding machine – Wind vind – Winding defects, causes & remedies. Pirn v ugh an automatic high speed Pirn winder. Warping and Sizing	-	g — C	_	s -
Warping mach of sizing – cor	ine & sec nparison	ppes of warping – Passage of material through high spectional warping machine – Warping defects, Causes & of two cylinder, multi cylinder & hot air sizing machine tions – Size paste preparation – Sizing defects, causes &	remed nes – S	lies. Sizin	Objec	
TT:4.7		Waaring Mashanigua		10	ha	
Unit:3	orial three	Weaving Mechanisms	Dein		ho	urs
Secondary & a	uxiliary 1	ugh a plain power loom – Basic mechanisms of a loom notions – Tappet shedding – Cone over pick & under Yypes of let off & take up mechanisms – Fabric defect	pick n	necha		s —
Unit:4		Introduction to Weaves			ho	urs
Derivatives – mechanisms -	Satin & s - Types o	 Weave diagram – Plain weave & derivatives – Twillsateen weaves – Honeycomb – Huck a back. Objects of dobby & jacquard – Study of negative & positive le cylinder jacquard mechanisms. 	of dobl	oy &	• •	

Un	it:5	Shuttleless Looms	10 hours
Sh	uttle less lo	oms: Introduction - Advantages - Types of shuttle less looms. Ir	ntroduction to non
		luction methods - Applications. Home Textiles.	
		Total Lecture hours	60 hours
Tey	kt Book(s)		
1	Principles	of Weaving, R.Marks, A.T.C. Robinson, The Textile Instit	ute, Manchester
	Publication	n,1976.	
2	Fabric Fo	orming, B.Hasmukhrai, SSM ITT Co operative stores L	td Publication,
	Komarapa	layam, 1996.	
3	Weaving	Mechanism, Vol. I & Vol. II, Prof.N.N.Banerjee, Publishe	ed by Smt.Tandra
	Banerjee,	West Bengal, 1999.	
Ref	ference Boo	ks	
1	Mechanisr	n of W <mark>eaving M</mark> achines, Prof.J.L.Chakravorty, Smt.B.Chakrav	orty,Serampore,
	W.B. Publ	ication, 1984.	
2	Handbook	of Weaving, Sabit Adanur, Technomic Publishing Company, In	<mark>c, USA, 2001.</mark>
3.	Fabric For	m <mark>ing</mark> Systems, Peter Sehwartz, Trevor Rhodes, Mansour M	lohamed, Mahajan
	Book Dist	ributors and Publication, Ahmedabad, 1996.	2. 4
-			3.4
Rel	ated Onlin	e Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	100
1	https://ww	ww.cottonworks.com/topics/sourcing-manufacturing/weaving/ba	sic-woven-designs-
	introducti	on-to-woven-fabrics/	1007-0
2	https://ww	ww.textileschool.com/453/woven-design/	2 1
3	https://ww	ww.intechopen.com/books/advances-in-modern-woven-fabrics-to	echnology/color-
	and-weav	e-relationship-in-woven-fabrics	
	1		-
Cou	urse Designe	ed By: Mrs. D. Anita Rachel	

		100	199		See	at the	WEDPP	and the second		
			Sec. 1	- set	111000		1 Same			
Mappi	ng with I	Progran	nme Out	comes	1310	133 144				
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	М	М	М	L	L	М	М
CO2	S	S	М	М	L	S	М	М	М	S
CO3	S	S	S	М	М	М	L	L	М	М
CO4	S	S	М	М	М	S	М	М	М	S
CO5	S	S	S	М	М	L	М	М	М	М

Course Code	23B	PATTERN MAKING AND GRADING	L	Т	Р	C
Core		Paper IV	4	-	-	3
Pre-requisite		Basic Knowledge in Garments	Sylla Vers		2021 2022	-
Course Objecti	ves:		I			
To Introduce stu	dents ab	out pattern making tools from the scientific and t	echnologic	al vie	wpoir	nt ir
garment industr						
To Equip studer	ts with c	omprehensive pattern making skills.				
	0.4					
Expected Cour						
		tion of the course, student will be able to:			17.1	
	-	s of all Pattern Development.	. 1 1		K1	
body imag	e.	ern designed, so as to provide not only good fit b	out also enn	ance	K2	
		Techniques for different styles	r		K3	
	4.4	making Technology.			K4	
11.0		andard patterns.	3.6		K3	
K1 - Remember	; K2 - U1	derstand; K3 - Apply; K4 - Analyze; K5 - Evalu	uate; K6 – (Create	9	
Introduction – C of pattern maki pattern producti	ng with on terms	Introduction to Patterns f basic pattern and grading – Different types of special reference to pattern drafting - Pattern –Standard body measurements for men's wear,	making to	ern. M ols –	Vari	s Sus
Introduction – C of pattern making pattern production wear of different Unit:2 Pattern position – Adjusting the	ng with on terms t countrie ng and la	f basic pattern and grading – Different types of special reference to pattern drafting - Pattern –Standard body measurements for men's wear, s. Style wise component parts of a garment. <u>Concept of Pattern Layouts</u> y out – Concept of pattern layout - Rules and me to fabric. Fitting: Definition – Principles for a g	making to women's	ern. M ols – wear 12 attern	Iethod Vario and k	s ous ids our t
Introduction – C of pattern making pattern production wear of different Unit:2 Pattern position – Adjusting the	ng with on terms t countrie ng and la	f basic pattern and grading – Different types of special reference to pattern drafting - Pattern –Standard body measurements for men's wear, s. Style wise component parts of a garment. Concept of Pattern Layouts y out – Concept of pattern layout - Rules and me	making to women's	ern. M ols – wear 12 attern	Iethod Vario and k	s ous ids ours t
Introduction – C of pattern making pattern production wear of different Unit:2 Pattern position – Adjusting the of a garment –	ng with on terms t countrie ng and la	f basic pattern and grading – Different types of special reference to pattern drafting - Pattern –Standard body measurements for men's wear, s. Style wise component parts of a garment. Concept of Pattern Layouts y out – Concept of pattern layout - Rules and me to fabric. Fitting: Definition – Principles for a g itting problems in various garments.	making to women's	ern. M ols – wear 12 attern neckir	lethod Varia and k ho layoung the	s ous ids ours t fit
of pattern making pattern production wear of different Unit:2 Pattern position – Adjusting the of a garment – Unit:3	ng with on terms t countrie ng and la patterns Solving f	f basic pattern and grading – Different types of special reference to pattern drafting - Pattern –Standard body measurements for men's wear, s. Style wise component parts of a garment. Concept of Pattern Layouts y out – Concept of pattern layout - Rules and me to fabric. Fitting: Definition – Principles for a g itting problems in various garments. Draping	making to women's ethods of pa ood fit– Ch	ern. Mols – wear 12 attern neckir	Iethod Varia and k ho layou ag the 2 ho	s ous ids our t fit
Introduction – C of pattern making pattern production wear of different Unit:2 Pattern position – Adjusting the of a garment – Unit:3 Draping – Impor Pants. Procedur	ng with on terms t countrie ng and la patterns Solving f rtance of e to dev Star nec	f basic pattern and grading – Different types of special reference to pattern drafting - Pattern –Standard body measurements for men's wear, s. Style wise component parts of a garment. Concept of Pattern Layouts y out – Concept of pattern layout - Rules and me to fabric. Fitting: Definition – Principles for a g itting problems in various garments.	making to women's ethods of pa good fit– Ch	ern. Mols – wear 12 attern heckir 12 oodice Squar	Iethod Varie and k ho layou ag the 2 ho e, skir re nec	s jus ids our t fit t, t, k -
Introduction – C of pattern making pattern production wear of different Unit:2 Pattern position – Adjusting the of a garment – Unit:3 Draping – Impor Pants. Procedur Pentagon neck – and puff sleeves Unit:4	ng with on terms t countrie ng and la patterns Solving f rtance of e to dev Star nec	f basic pattern and grading – Different types of special reference to pattern drafting - Pattern –Standard body measurements for men's wear, s. Style wise component parts of a garment. Concept of Pattern Layouts y out – Concept of pattern layout - Rules and me to fabric. Fitting: Definition – Principles for a g itting problems in various garments. Draping draping – Dress form and types – Draping steps elop necklines: Jewel neck - Round neck - "U	making to women's ethods of pa cood fit– Ch s for basic t J" neck - S to develop	ern. Mols – wear 12 attern heckir 12 sodice Squar sleeve	Iethod Varid and k and k and k and k and k layou ag the 2 ho e, skir e nec es: Pla	s ous ids ur t fit k - ur

T T •4	-		10	1
Unit		Grading Techniques		hours
		dart manipulation – Displacement of bust dart (waist – side		
	U	e).Grading – Definition – Principles of grading - Master grad	les – Basic back	&
front	t grades – Gra	ading of basic sleeve, basic collar, trousers.		
		Total Lecture hours	60	hours
Text	t Book(s)	<u> </u>		
1	Patterm Ma 1987.	aking For Fashion Design, Helen Joseph Armstrong Harpe	r Collins Publi	shers
2	Metric Patte England, 19	ern Cutting, Winifred Aldrich, Publication by Blackwell So 994.	cience Ltd,	
3		ern Cutting for Me <mark>n"s Wear, Win</mark> ifred Aldrich, Public I, England 1990.	ation by Black	cwell
Refe	erence Books			
1		ern Cutting for Children"s Wear (From 2 – 14 Years by Blackwell Science Ltd, England 1991.), Winifred Alo	lrich,
2		tting for Women ^s 's Outerwear, Gerry Cooklin, Publica 1, England, 1992.	ation by Black	cwell
3.	Pattern Gra Ltd, Englar	iding for Women"s Clothes, Gerry Cooklin, Publication by ad, 1990.	y Blackwell Sc	ience
1				
Rela	ted Online (Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		1
1	https://texti	lelearner.blogspot.com/2014/03/methods-of-garment-pattern	-grading.html	
2	https://www	v.threadsmagazine.com/2008/11/01/making-sense-of-pattern	-grading	
3	1000	v.clothingpatterns101.com/pattern-grading.html	577	
		CA NO MARINE MONTHER OF	1 A	
Cou	rse Designed	By: Mr. P. Sankarakarthikeyan	10	
	C			

Mapping with Programme Outcomes

	8	- 10g. an	Contraction (1997)		Children and All	CONTRACTOR OF	- J. P. 250	18		
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	L	М	S	L	L	BID	S	S	S	S
CO2	L	S	S	L	М	М	S	S	S	S
CO3	М	М	S	Μ	L	М	S	S	S	S
CO4	L	М	S	L	М	L	М	S	S	S
CO5	М	М	S	М	L	М	М	S	S	S

1

Course Code	23P	PATTERN MAKING PRACTICAL	L	Т	Р	С
Core		Practical II	-	-	5	3
Pre-requisite		Basic Knowledge in Patterns	Sylla Vers		2021 2022	
Course Object						
To Train the stu	idents in	n pattern making and grading of apparels.				
Europeted Cour						
Expected Cour		pletion of the course, student will be able to:				
	-	practical experience on pattern making of garments.			K1	
		all the styles of patterns.			K1 K2	
		g techniques into the pattern styles.			K3	
		tern Development and Grading Techniques.			K4	
		e standard patterns.			K3	
11 5		Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate;	K6 – C	Create	;	
		6 10 10 57 5				
PART-A		Experiments	2.6	35	5 ho	ur
Men's Wear	- 22		3			
1. Basic t-shir	t <mark>with</mark> h	alf sleeve.				
2. Polo t-shirt	with ha	l <mark>f s</mark> leeve		÷.	1	
3. T-shirt with	f <mark>ull s</mark> le	eve.		- 8	A	
4. T-shirt with	raglan	sleeve.		- 23		
5. Men's Trou	ser			ŧ.		
6. Brief and b	oxer sho	orts.			1	
7. Vest with a	nd with	o <mark>ut sleeve.</mark>	S.	1	8	
8. Night dress	2		19	1	F	
9. Men's Hoo	10.00		1.7			
10. Men's Kir	nono.	63	1			
	Net		1°			
PART-B	1	Experiments		20	ho	urs
Kid's V						
1. A line f		SAUCATE TO ELEVINIE				
2. Baba su						
3. Romper	•					
4. Pant						
PART-C		Experiments		20) ho	ur
Women's We	ar			_(. 110	
1.Ladies Basic		2				
2.Nighties						
3.Blouse						

5.5	vkirt "A line"
	Total Lecture hours 75 hours
Tex	t Book(s)
1	Patterm Making For Fashion Design, Helen Joseph and Armstrong Harper, Collins Publishers, 1987.
2	Metric Pattern Cutting, Winifred Aldrich, Publication by Blackwell Science Ltd, England 1994.
3	Metric Pattern Cutting for Men"s Wear, Winifred Aldrich, Publication by Blackwell Science Ltd, England 1990.
Ref	erence Books
1	Pattern Cutting for Women"s Outerwear, Gerry Cooklin, Publication by Blackwell Science Ltd, England 1992.
2.	Pattern Grading for Women ^s Clothes, Gerry Cooklin, Publication by Blackwell Science Ltd, England 1990.
3	Patterm Making For Fashion Design, Helen Joseph and Armstrong Harper, Collins Publishers 1987.
Rela	nted Online <mark>Contents</mark> [MOOC, SWAYAM, NPTEL, Web <mark>sit</mark> es etc.]
1	https://textilelearner.blogspot.com/2014/03/methods-of-garment-pattern-grading.html
2	https://www.threadsmagazine.com/2008/11/01/making-sense-of-pattern-grading
3	https://www.clothingpatterns101.com/pattern-grading.html
(grad	
Cou	rse Designed By: Mr. S.P. Manian

State of the	3				TP.	1		1		1
Mappi	ng with	Program	nme Out	comes	-	10.4	15 50	15	100	
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	L	М	S	L	L	L	S	S	S	S
CO2	L	М	S	М	L	М	S	S	S	S
CO3	М	М	S	L	L	L	S	S	S	S
CO4	L	М	S	L	М	L	М	S	S	S
C O5	М	М	S	М	М	L	М	S	S	S

	2AQ	WOVEN FABRIC ANALYSIS AND	L	Т	Р	С
A 11° 1		DESIGNING PRACTICAL				2
Allied		Practical II	-	<u> </u>	3	3
Pre-requisite		Basic Knowledge in Fabric structures.	Sylla Vers		2021 2022	
Course Objec	tives:					
To Train the st	udents in	analyzing the cloth to identify construction parame	eters and pr	epare	e desig	gn,
draft and peg p	lan.					
Expected Cou						
	-	etion of the course, student will be able to:			17.1	
		entify the constructional parameters of fabric.	41 f. 1		K1	
		Construct design, draft and peg plan for weaving	the fabric.		K2 K3	
		tructures in Computers.			К3 К4	
		gn, draft, peg plan, denting plan.	r		K4 K2	
		<mark>n structu</mark> ral analysis. Inderstand; K3 - Apply; K4 - Analyze; K5 - Evalua	ta: K6 (rooto		
KI - Kemembe	er; K 2 - C	inderstand; KS - Appry; K4 - Anaryze; K5 - Evalua	ale; $\mathbf{K}0 - \mathbf{C}$	reate		
PART – A	- 28	Experiments	-	25	ho	iir
(ii) W	arp partic	ellowing particulars of woven fabrics ctural analysis: Design, draft, peg plan, denting pla ulars: Material of warp - ends per length - count, o		f twis	t, Cri	mp
 (ii) W pe (iii)W tw (iv)Fa (v) Lo 1. Plain 2. Dem 3. Satin 4. Dem 5. Huck 	arp partic rcentage, eft partic ist per ler bric parti om requi and Twi onstration /Sateen a onstration c-a-Buck	ctural analysis: Design, draft, peg plan, denting pla ulars: Material of warp - ends per length - count, o cover factor, warp pattern. ulars: Material of weft - picks per unit length- c ngth, Crimp percentage, cover factor and warp patter culars: Total Cover factor, Weight of fabric and thi rements: Shedding mechanism, heald count, and c	direction of ount, direc ern. ckness. ount.	la se	1	_
(ii) W pe (iii)W tw (iv)Fa (v) Lc 1. Plain 2. Dem 3. Satin 4. Dem 5. Huck 6. Extra PART – B	arp partic rcentage, eft partic ist per len bric parti oom requi and Twi onstration /Sateen a onstration c-a-Buck a thread fi	ctural analysis: Design, draft, peg plan, denting pla ulars: Material of warp - ends per length - count, of cover factor, warp pattern. ulars: Material of weft - picks per unit length- count, of the count of the percentage, cover factor and warp patter culars: Total Cover factor, Weight of fabric and this rements: Shedding mechanism, heald count, and count if fabrics a - production of plain and twill fabrics a - production of satin/sateen and honey comb fabric guring fabric(s) Experiments	direction of ount, directern. ckness. ount.	etion	1	ist,
(ii) W pe (iii)W tw (iv)Fa (v) Lo 1. Plain 2. Dem 3. Satin 4. Dem 5. Huck 6. Extra PART – B 1. Basi 2. Dev	arp partic rcentage, eft partic ist per len bric parti om requi and Twi onstration /Sateen a onstration c-a-Buck a thread fin cs of Ras elopment	ctural analysis: Design, draft, peg plan, denting pla ulars: Material of warp - ends per length - count, o cover factor, warp pattern. ulars: Material of weft - picks per unit length- c ogth, Crimp percentage, cover factor and warp patter culars: Total Cover factor, Weight of fabric and thi rements: Shedding mechanism, heald count, and co ll fabrics a - production of plain and twill fabrics a - production of satin/sateen and honey comb fabrics a - production of satin/sateen and honey comb fabrics	direction of ount, directern. ckness. ount. ics lour concepters of weave.	etion 20 pts.	of tw	ist,

6.	Development of	of jacquard	designs (pa	rt –II) Spot fi	guring – Drop.

7. Development of jacquard designs – Ogee base.

8. Development of jacquard designs – Diamond base.

9. Development of jacquard designs – Sateen base.

10. Multilayer design – Extra Warp/Weft design Concepts.

	Total Lecture hours 45 hours
Te	xt Book(s)
1	Principles of Weaving, R.Marks, A.T.C. Robinson, Publication by The Textile Institute,
	Manchester, 1976.
2	Fabric Forming, B.Hasmukhrai, Publication by SSM ITT Co operative stores Ltd,
	Komarapalayam, 1996.
3	Weaving Mechanism, Vol. I & Vol. II, Prof.N.N.Banerjee, Published by Smt.Tandra
	Banerjee, West Bengal, 1999.
Re	ference Books
1	Mechanism of Weaving Machines, Prof.J.L.Chakravorty, Smt.B.Chakravorty, Serampore,
	Publication by W.B.,1984.
2	Handbook of Weaving, Sabit Adanur, Technomic Publishing Company, Inc, USA, 2001.
3.	Fabric Forming Systems, Peter Sehwartz, Trevor Rhodes, Mansour Mohamed, Publication by
	Mahajan Bo <mark>ok Distrib</mark> utors, Ahmedabad, 1996.
-	
Re	lated Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]
1	https://www.cottonworks.com/topics/sourcing-manufacturing/weaving/basic-woven-designs-
	introduction-to-woven-fabrics/
2	https://www.textileschool.com/453/woven-design/
3	https://www.intechopen.com/books/advances-in-modern-woven-fabrics-technology/color-
	and-weave-relationship-in-woven-fabrics
Co	urse Designed By: Mrs. D. Anita Rachel

Course Designed By: Mrs. D. Anita Rachel

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Mappi	ng with	Program	nme Out	comes	日田式	31110				
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	S	S	L	М	М	L	L	М	М
CO2	S	S	М	М	L	S	М	М	М	S
CO3	S	S	S	М	М	М	L	L	L	М
CO4	S	S	М	М	L	S	М	М	Μ	S
CO5	S	S	S	М	М	L	М	М	М	М



Course Code	33A	GARMENT MACHINERIES AND EQUIPMENTS	L	Т	Р	С
Core		Paper V	4	-	-	4
Pre-requisite		Basic Knowledge in Garment Machineries	Sylla Versi		2021 2022	
Course Object	tives:					
To Acquaint st construction.	udents o	f the basic production machinery and equipments used	in appa	arel		
Expected Cou	rse Out	comes:				
-		eletion of the course, student will be able to:				
	-	Production Machinery and Equipments.			K1	
	and the	fundamental principles and working of garment product	ion		K2	
3 Apply th	he conce	pt of machineries in the Garmenting.			K3	
		rrelationship of assembly methods in Garment Industry	•		K4	
5 Analyze	e garmer	t manufacturing machines & applications.			K4	
K1 - Remembe	er; K2 - 1	Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate;	K6 – C	reate		
Procedures. Cu band knife, stra Unit:2 Classification of Machine – Loo machines. Ove elements. Brie Unit:3 Sewing machin Flat bed - Cyl Compound fee	Cl of garme ckstitch r lock m f study c ne shape linder be d - Unis	Introduction to Garment Industry Process industry process details. Spreading machine: Types and achines: Types of cutting machines and its application fe, drills & notches. assification of Garment Manufacturing Machines ent manufacturing machines & applications. Studies on machine (chain stitch formation) - Features of adva hachine – Classification - Three thread overlock machine on double needle lock stitch machine, flat lock machines Sewing Machine and its Details s - Sewing machine bed types-Description and applic ed - Post bed – Applications. Feed mechanisms – T on feed – Drop and variable top feed -Differential bott h type of feed mechanisms with sketch).	– Detai differenced lo ne – S ation o ypes –	ng led str 11 ent se ock st titch f 11 f each Drop	ho wing itchin formi	on urs ing urs 1 – 1 –
Unit:4		Machine Parts		14	ho	urs
Foot – Stitchin and tapes) - St	ig jig- ho acker. S and part	– Types (edge & curve guide) - Compensating foot - S em folders - Slack feeding and elastication – Cutting a imple automatics - Button hole – Button sew – Bar ta s of machine needles – Needle sizes - Details of stand,	aids (th ack mad	reads, chine	elas - La	tic bel

Un	it:5	Garment Finishing Process	14 hours
		various machines for garment finishing – Fusing – Sucking –	
		ose of pressing –Categories of pressing-The means of pressing	• •
		ron and steam presses. Packaging-Types of package forms-	• • • • •
		ity specification of packaging materials-Merchandising	
	-	ection of package design.	puckuging simplifient
pu			
		Total Lecture hours	60 hours
Te	xt Book(s)		
1	The Tech	nology of Clothing Manufacture, Harold Carr and Barbara	a Latham,
	Publicatio	n by Blackwell Science Ltd, England 1994.	
2	Introduction	on to Clothing Manufacture, Gerry Cooklin, Publication by	Blackwell
	Science L	td, England 1991.	
Re	ference Boo	oks	
1	Terry Bra	cken bury, Knitted Clothing Technology, Publication by	Blackwell
	Science L	td, England, 1992.	
2	Clothing	Construction and Wardrobe Planning, Dora.S.Lewis, Mabel	Goode Bowers and
	Marietta	Kettunen,Publication by The Macmillan Company, New Yor	<mark>k,</mark> 1955.
	1		
Re	lated Onlin	e <mark>Con</mark> tents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://w	ww.onlineclothingstudy.com/2018/05/machinery-needed-for-ga	arment.html
2	https://ga	rmentsmerchandising.com/garment-machine-function/	1 1
3	https://di	r.indiamart.com/indianexporters/m_texmch.html	And so a
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Co	urse Design	ed By: Mrs . D. Anita Rachel	S / I

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	L	L	М	М	L	М	S	S	S	S
CO2	М	М	М	L	Μ	М	S	S	S	S
CO3	L	L	М	М	E	М	S	S	S	S
CO4	М	М	М	L	L	М	S	S	S	S
CO5	М	М	М	М	М	М	S	S	S	S

Course Code	33B	TEXTILE WET PROCESSING	L	Т	Р	С
Core		Paper VI	4	-	-	4
Pre-requisite		Basic Knowledge in Dyeing and Printing Process.	Sylla Versi		2021 2022	_
Course Objective	es:	· · · · · · · · · · · · · · · · · · ·				
To Acquaint stude	ent of the o	perational sequence in wet processing of different	textile	mate	rials.	
To Impart knowl	edge in th	e field of pre-processing, processing and post-	process	ing o	of tex	tile
substrate.						
To Impart fundan	nental knov	vledge of color science and assessment of dyed and	d printe	ed goo	ods.	
Expected Course		5 F / 1 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2				
		n of the course, student will be able to:			1	
	1000	Chemical processing of textile materials.			K1	
		nd printing methods and principles of colour applic			K2	
11.0	1	techniques in all types of Fabrics with suitable dy	ves.		K3	
		xtile finishing Techniques.			K4	
5 Analyze a	nd Assessn	nent the fastness properties of dyed and printed go	ods.		K4	
K1 - Remember;	K2 - Under	rstand; K3 - Apply; K4 - Analyze; K5 - Evaluate; 2	K6 – C	reate		
			1			
Unit:1		Water Hardness		10	ho	urs
				-		
Water: water hard	<mark>lnes</mark> s – typ	es - softening process: ion exchange - sequesterin	<mark>g</mark> agen	t met	hods	-
Terminology & t	erms relate	d to textile industries (ph, acid, base, oxidation,				
Terminology & t	erms relate					
Terminology & to textile auxiliaries.	erms relate	ed to textile industries (ph, acid, base, oxidation, by process sequence for woven & Knitted fabrics.		ion) -	- role	of
Terminology & to textile auxiliaries. Unit:2	erms relate Preparator	d to textile industries (ph, acid, base, oxidation, ry process sequence for woven & Knitted fabrics. Preparatory Process	reducti	ion) - 10	- role ho	of urs
Terminology & to textile auxiliaries. Unit:2 Preparatory proce	erms relate Preparator ess: singein	d to textile industries (ph, acid, base, oxidation, cy process sequence for woven & Knitted fabrics. Preparatory Process g – objectives – types of singeing, Desizing – obj	reducti	ion) - 10 5 -me	- role ho	of urs
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Terminology & to textile auxiliaries. Unit:2 Preparatory proce scouring – object of peroxide bleact	erms relate Preparator ess: singein ives –meth	d to textile industries (ph, acid, base, oxidation, cy process sequence for woven & Knitted fabrics. Preparatory Process g – objectives – types of singeing, Desizing – objectives. Bleaching –objectives - types of bleaching cal whiteners. Mercerizing –objectives - types.	reducti	10) - 10 5 -me - adv	- role ho thods vantag	of urs , ges
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Terminology & to textile auxiliaries. Unit:2 Preparatory process scouring – object of peroxide bleach Unit:3 Dyeing: classificat dyes – principles	erms relate Preparator ess: singein ives –meth hing – option ation of dyeing	d to textile industries (ph, acid, base, oxidation, ry process sequence for woven & Knitted fabrics. Preparatory Process g – objectives – types of singeing, Desizing – objectives – types of bleaching = ods. Bleaching –objectives - types of bleaching = cal whiteners. Mercerizing –objectives - types. Dyeing es – principles of different dyeing - direct, reactive of synthetic & blended textile materials - after tr	reducti jectives agents //e, vat, reatmer	10 10 5 -me - adv 12 & di nts -	- role ho thods vantag ho sperse types	of urs , ges urs
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Terminology & to textile auxiliaries. Unit:2 Preparatory process scouring – object of peroxide bleact Unit:3 Dyeing: classificat dyes – principles principles of diffe – merits & demer Unit:4 Printing – 1 discharge, transfe	erms relate Preparator ess: singein ives –meth hing – optio ation of dye of dyeing erent dyeing its.	d to textile industries (ph, acid, base, oxidation, ty process sequence for woven & Knitted fabrics. Preparatory Process g – objectives – types of singeing, Desizing – objectives – types of bleaching = ods. Bleaching –objectives - types of bleaching = cal whiteners. Mercerizing –objectives - types. Dyeing es – principles of different dyeing - direct, reactive of synthetic & blended textile materials - after the g machines : winch – soft flow – cabinet - cheese a Printing printing – screen preparation. styles of printing – of	reducti jectives agents //e, vat, reatmen and HT direct, n	10 5 -me - adv 12 & di 15 - HP n 14 resist, ng. G	- role ho thods vantag ho sperso types hachir ho armer	of urs , ges w w s w a urs w a urs

Uni	t:5	Finishing	14 hours
Fini	shing: objecti	ves of finishing – temporary and permanent finishes. Chemical f	inish: wrinkle
free	- softeners -	anti microbial - fire retardant. Mechanical finish: calendaring -	raising –
shea	ring. Bio pol	ishing. Stone washing. Application of enzymes in textile process	ssing. Pollution -
Brie	f study about	ETP.	
		Total Lecture hours	60 hours
Tex	t Book(s)		
1	Technolog	y of textile processing (Vol 1-2), V.A.Shenai. Seva	k
	Publication	ns – 1975.	
2	Handbook	of Textile Coloration and Finishing, Mohammad Shahid, Guoqia	ang Chen,
		by Studium press llc,2018.	
3	0	y of Bleaching and Dyeing of Textile Fibres Vol.1, Chakrava	rthy RR And
	Trivedi S.S.	S. Part–I, Mahajan Book Publishers, 1979.	
Ref	erence Books		
1		hing and Dyeing of Cotton Material, Prayag R.S., Published	by Weaver's
	Service Ce		
2		Processing of Synthetic Fibres and Blends, Datye K.V and V	aidhay A.A,
		by John Wiley & Sons, New York, 1982.	
3.	Processing	of Manmade Fibres , Usenko V, , MIR Publishers, Moscow 19	975.
0.0	100 B	The second se	10 10
Rela	ated Online (Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	- 1
1	https://texte	chdip.wordpress.com/contents/wet-processing/	1000
2	https://texti	lelearner.blogspot.com/2011/08/flow-chart-of-wet-processing-pro	ocess.html
3	https://www	v.sciencedirect.com/topics/engineering/textile-wet-processing	
			1
Cou	rse Designed	By: Mrs. D. Anita Rach <mark>el</mark>	
		20 Sec. 10 Sec	

Mappi	ng with	Program	me Out	comes	1.669.1		San Provide State			
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	L	S	S	L	S	М	М	L	S
CO2	S	М	S	S	S	М	М	М	L	S
CO3	S	L	S	S	S	М	М	М	Μ	S
CO4	М	М	S	S	М	М	М	L	L	S
CO5	М	М	S	S	S	М	М	L	Μ	S

CorePractical IIIPre-requisiteBasic Knowledge in Stitches and Seams.Syllabus Version20 20Course Objectives: To Train the students in construction of garmentsExpected Course Outcomes:On the students in construction of the course, student will be able to:1Remember the Stitches and Seams2Understand different machines used for garment manufacture3Apply and carry out different types of stitching, button holing and button stitching4Analyze all the styles in Garment Construction	Р	С							
Core				Practical III		-	-	6	3
Pre-req	uisite		Basic Knowled	ge in Stitches and S	eams.	•		2021 2022	
Course	Objectiv	ves:	L						
To Trai	n the stud	lents in consti	uction of garmer	ts.					
-									
				dent will be able to:					
								K1	
								K2	
		-			and button	stitch	ing.	K3	
	~				Sto.			K4	
		240			3			K1	
K1 - Re	member;	K2 - Unders	and; K3 - Apply	K4 - Analyze; K5 - 1	Evaluate; F	K6 – C	Create		
		de la	11. 11.0	5 P.C.	2.0				
		1	Expe	riments	35		45	ho	urs
Develo			diagram along w	n samples by using c ith stitch density and		-		100	
Compor 1. 2. 3. 4. 5.	o the san nents for Differen Differen Differen Differen	ns of various nples of com the Given Me t Neck Lines t Collars (At t Sleeves (At t Plackets (At	ypes - superimponents such as	ith stitch density and osed, bound lapped, fl Draft the Pattern, C	thread con	sumpt piping	tion de g	etails.	
Compor 1. 2. 3. 4. 5. 6. Part - F	b the sam nents for Differen Differen Differen Differen Slits	ns of various nples of com the Given Me t Neck Lines t Collars (At t Sleeves (At t Plackets (At t Pockets (At	ypes - superimponents such as asurement: (At Least 3Types) Least 3 Types) Least 3 Types) Least 3 Types) Least 3 Types)	ith stitch density and osed, bound lapped, fl Draft the Pattern, C	thread con	sumpt piping	the F	etails.	7 ing
Compor 1. 2. 3. 4. 5. 6. Part - F Ki Dr 1. 2. 2. 3. 4. 5. 6. Part - F	b the sam nents for Differen Differen Differen Differen Slits d's Wea	ns of various nples of com the Given Me t Neck Lines t Collars (At t Sleeves (At t Plackets (At t Pockets (At r Pockets (At	ypes - superimponents such as asurement: (At Least 3Types) Least 3 Types) Least 3 Types) Least 3 Types) Least 3 Types) Least 3 Types) Least 3 Types)	ith stitch density and osed, bound lapped, fl Draft the Pattern, C) iments nd develop and constr	thread con at felt and but & Cons ruct the foll	sumpt piping struct	the F	ollow	urs
Compor 1. 2. 3. 4. 5. 6. Part - E Ki Dr 1. 2. 3. 2. 3. 2. 3. 1. 2. 3. 1. 1. 2. 3. 4. 5. 6. Part - E	b the sam nents for Differen Differen Differen Differen Slits d's Wea raft the Pa Romper. A Line Fu Baba Suit	ns of various nples of com the Given Me t Neck Lines t Collars (At t Sleeves (At t Plackets (At t Pockets (At r Pockets (At	ypes - superimponents such as asurement: (At Least 3Types) Least 3 Types) Least 3 Types) Least 3 Types) Least 3 Types) Least 3 Types) Least 3 Types)	ith stitch density and osed, bound lapped, fl Draft the Pattern, C) iments	thread con at felt and but & Cons ruct the foll	sumpt piping struct	the F	etails.	ving
Compor 1. 2. 3. 4. 5. 6. Part - E Ki Dr 1. 2. 3. Text Bo 1 Ap 198	b the sam nents for Differen Differen Differen Differen Slits d's Wea raft the Pa Romper. A Line Fr Baba Suit ook(s) parel Ma 38.	ns of various nples of com the Given Me t Neck Lines t Collars (At t Sleeves (At t Plackets (At t Pockets (At t Pockets (At rock. t	ypes - superimponents such as asurement: (At Least 3Types) Least 3 Types) Least 3 Types) Least 3 Types) Least 3Types) Construct Then a Hand Book, Jaco	ith stitch density and osed, bound lapped, fl Draft the Pattern, C) iments and develop and constru- <u>Total Lectur</u> o Solinger Published	thread con at felt and but & Cons construct the foll rechours by Bobbin	sumpt piping struct	the F 45 g. 90 a Cor	ho	ving our: our:
Compor 1. 2. 3. 4. 5. 6. Part - E Ki Dr 1. 2. 3. Text Bo 1 Ap 198	b the sam nents for Differen Differen Differen Differen Slits d's Wea raft the Pa Romper. A Line Fr Baba Suit pok(s) parel Ma 38. chnology	ns of various nples of com the Given Me t Neck Lines t Collars (At t Sleeves (At t Plackets (At t Pockets (At t Pockets (At rock. t	ypes - superimponents such as asurement: (At Least 3Types) Least 3 Types) Least 3 Types) Least 3 Types) Least 3Types) Construct Then a Hand Book, Jaco	ith stitch density and psed, bound lapped, fl Draft the Pattern, C) iments nd develop and constr Total Lectur	thread con at felt and but & Cons construct the foll rechours by Bobbin	sumpt piping struct	the F 45 g. 90 a Cor	ho	vin our our

3	Apparel Manufacturing	and	Technology,	T.Karthik,	P.Ganesan,	D.Gopalakrishanan,	.,
	Published by CRC Press,	2016					

1 Technology Of Stitches & Seams – Coats, Published by Viyella Limited, 1986.

2 Apparel Manufacturing Management System, Roche Daniel, Published by Elsevier, 2014.

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

- 1 https://www.onlineclothingstudy.com/2018/05/machinery-needed-for-garment.html
- 2 <u>https://garmentsmerchandising.com/garment-machine-function/</u>
- 3 <u>https://dir.indiamart.com/indianexporters/m_texmch.html</u>

Course Designed By: Mr. P. Ellayaperumal

Mappin	g with P	rogramn	ne Outcon	mes			20			
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	L	L	М	L	L	М	S	S	S	S
CO2	L	M	М	М	М	M	S	S	S	S
CO3	М	L	М	М	L	М	S	S	S	S
CO4	L	М	М	L	М	М	S	S S	S	S
CO5	М	L	М	L	L	М	S	S	S	S

Course Code	33Q	TEXTILE WET PROCESSING PRACTICAL	L	Т	Р	C
Core		Practical IV	-	-	5	3
Pre-requisite			Syllab Versio		2021 2022	

Course Objectives:

To Acquaint student of the operational sequence in wet processing of different textile materials.

To Impart knowledge in the field of pre-processing, processing and post-processing of textile substrate.

To Impart fundamental knowledge of color science and assessment of dyed and printed goods.

Expected Course Outcomes:

On the successful completion of the course, student will be able to:

1	Remember the entire Chemical processing of textile materials.	K1
2	Understand Dyeing and printing methods and principles of colour application.	K2
3	Apply the colouration techniques in all types of Fabrics with suitable dyes.	K3
4	Analyze advance Textile finishing Techniques.	K4
5	Analyze and Assessment the fastness properties of dyed and printed goods.	K4
K1 -	Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create	

Experiments	75 hours
1. Estimation of water hardness by EDTA method.	
2. Combined Scouring & Bleaching of grey cotton woven / knitted fabrics and	d estimate the loss
percentage.	
3. Pre Treat the Grey Woven Sample with the Desizing Process.	Addres of
4. Dye the given cotton sample with Natural dyes.	9
5. Dye the given cotton sample with Cold brand reactive dyes.	
6. Dye the given cotton sample with Hot Brand reactive dyes.	1
7. Dye the given cotton sample with Vinyl Sulphone dyes.	2
8. Dye the given cotton sample with reactive H-E dyes.	
9. Dye the given silk material with acid / basic dyes.	
10. Dye the given polyester sample using carriers.	
11. Dye the given fabric for the given pattern using Tie & Dye Technique.	
12. Develop a batik motif and print on the given sample.	
13. Prepare the print paste with Pigment colour and print on the given fabric.	
14. Prepare the Print Paste with reactive dyes and print on the given fabric by c	lischarge style
Total Lecture hours	75 hours
Text Book(s)	
1 Technology of textile processing (Vol 1-2), V.A.Shenai. Seva	ık

	Publications – 1975.
2	Chemical Processing of Synthetic Fibres and Blends, Datye K.V and Vaidhay A.A.
	Published by John Wiley & Sons, New York, 1982.

3	Technology of Bleaching and Dyeing of Textile Fibres Vol.1, Chakravarthy RR And
	Trivedi S.S. Part–I, Mahajan Book Publishers, 1979.
Ref	erence Books
1	The Bleaching and Dyeing of Cotton Material, Prayag R.S., Published by Weaver's
	Service Cent, 1983.
2	Chemical Processing of Synthetic Fibres and Blends , Datye K.V and Vaidhay A.A.
	Published by John Wiley & Sons, New York, 1982.
3.	Processing of Manmade Fibres , Usenko V, , MIR Publishers, Moscow, 1975.
Rel	ated Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]
1	https://textechdip.wordpress.com/contents/wet-processing/
2	https://textilelearner.blogspot.com/2011/08/flow-chart-of-wet-processing-process.html
3	https://www.sciencedirect.com/topics/engineering/textile-wet-processing
Col	Irse Designed By: Mrs. P. Maheswari

Mappi	ng wit <mark>h</mark> I	Program	nme Out	comes			20	199		
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	S	М	S	S	L	S	М	M	L	S
CO2	S	L	S	S	S	М	М	L	M	S
CO3	S	М	S	S	S	M	M	L	L	S
CO4	М	L	S	S	S	М	M	L	М	S
CO5	М	М	S	S	S	М	М	S	< L /	S

Course Code	3AA	PRINCIPLES OF MANAGEMENT	L	Т	Р	C
Allied		Paper III	4	-	-	3
Pre-requisite	ļ.	Basic Knowledge in Management	Sylla Versi		2021 2022	
Course Obje						
To Provide an	insight o	n the fundamentals of management and techniques.				
	0.1					
Expected Co						
		pletion of the course, student will be able to:			K 1	
		framework and scope of management and functions.	4		K1 K2	
		l enrich the students about the techniques of management	ι.		K2 K3	
		niques about the management functions. Ils towards management activities.			К3 К4	
		l explain about the leadership concepts towards managen	nent		K4 K2	
		Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; H		reate	IX2	
KI - Kemenn	JCI, K 2 -	enderstand, KS - Appry, K4 - Anaryze, K5 - Evaluate, I	XU – C	Teale		
Unit:1	1	Management		11	ho	urs
	cope of n	nanagement – Management Science / Art – Developm	ent of			
	_	agement – Henry Foyal's principles of management.		man	agein	0110
	6 C C			4		
Unit:2	Í.	Planning		2010	ho	urs
Planning - Me		Planning d purpose of planning – Steps in planning – Types of p s – Objectives, policies, procedures and methods, nature		g -		urs
Planning - Ma Objectives an policies.		d purpose of planning – Steps in planning – Types of p s – Objectives, policies, procedures and methods, nature		g - pes o	f	
Planning - Ma Objectives an policies. Unit:3	d policies	d purpose of planning – Steps in planning – Types of p s – Objectives, policies, procedures and methods, nature Organizing	and ty	g - pes o 13	f ho	urs
Planning - Ma Objectives an policies. Unit:3 Organizing – Delegation an	d policies	d purpose of planning – Steps in planning – Types of p s – Objectives, policies, procedures and methods, nature Organizing forganization – Organizational structure – Span of contr lization line & staff relationship - Staffing – Sources	and ty rol – C	g - pes o 13 Comm	f ho iittees	urs
Planning - Ma Objectives an policies. Unit:3 Organizing – Delegation an	d policies	d purpose of planning – Steps in planning – Types of p s – Objectives, policies, procedures and methods, nature Organizing organization – Organizational structure – Span of contr	and ty rol – C	g - pes o 13 Comm	f ho iittees	urs
Planning - Ma Objectives an policies. Unit:3 Organizing – Delegation an	d policies	d purpose of planning – Steps in planning – Types of p s – Objectives, policies, procedures and methods, nature Organizing forganization – Organizational structure – Span of contr lization line & staff relationship - Staffing – Sources	and ty rol – C	g - pes o 13 Comm cruitn	f ho iittees	urs
Planning - Ma Objectives an policies. Unit:3 Organizing – Delegation an Selection prod Unit:4	d policies Types of nd centra cess - Tra	d purpose of planning – Steps in planning – Types of p s – Objectives, policies, procedures and methods, nature Organizing Forganization – Organizational structure – Span of contr lization line & staff relationship - Staffing – Sources ining methods – Performance appraisal.	and ty rol – C of rec	g - pes o 13 Comm cruitn 13	f ho iittees hent	urs urs
Planning - Ma Objectives an policies. Unit:3 Organizing – Delegation an Selection prod Unit:4 Directing –	d policies Types of nd centra cess - Tra Nature an	d purpose of planning – Steps in planning – Types of p s – Objectives, policies, procedures and methods, nature Organizing forganization – Organizational structure – Span of contr lization line & staff relationship - Staffing – Sources ining methods – Performance appraisal. Directing	and ty rol – C of rec – Lea	g - pes o 13 Comm cruitn 13 adersl	f ho iittees nent - ho hip –	urs urs
Planning - Ma Objectives an policies. Unit:3 Organizing – Delegation an Selection prod Unit:4 Directing – I Supervision – standards.	d policies Types of nd centra cess - Tra Nature an	d purpose of planning – Steps in planning – Types of p s – Objectives, policies, procedures and methods, nature Organization forganization – Organizational structure – Span of contr lization line & staff relationship - Staffing – Sources ining methods – Performance appraisal. Directing nd purpose of directing – Motivation – Discipline nication – Requirements for effective controls – Critica	and ty rol – C of rec – Lea	g - pes o 13 Commercuitm 13 adershed	f ho iittees hent ho hip iints a	urs urs
Planning - Ma Objectives an policies. Unit:3 Organizing – Delegation an Selection prod Unit:4 Directing – 1 Supervision – standards.	d policies Types of d centra cess - Tra Nature an Commu	d purpose of planning – Steps in planning – Types of p s – Objectives, policies, procedures and methods, nature Organizing forganization – Organizational structure – Span of contri- lization line & staff relationship - Staffing – Sources ining methods – Performance appraisal. Directing nd purpose of directing – Motivation – Discipline nication – Requirements for effective controls – Critica Controlling	and ty rol – C of rec – Lea l contr	g - pes o 13 Commercian cruitm 13 adersi rol po	f ho iittees hent ho hip ints a ho	urs urs und urs
Planning - Ma Objectives an policies. Unit:3 Organizing – Delegation an Selection prod Unit:4 Directing – D Supervision – standards. Unit:5 Controlling –	d policies Types of d centra cess - Tra Nature an Commun Need for htrol - De	d purpose of planning – Steps in planning – Types of p s – Objectives, policies, procedures and methods, nature Organization forganization – Organizational structure – Span of contr lization line & staff relationship - Staffing – Sources ining methods – Performance appraisal. Directing nd purpose of directing – Motivation – Discipline nication – Requirements for effective controls – Critica	and ty rol – C of rec – Lea l contr	g - pes o 13 Comm cruith 13 adersh rol po 12 ol pro	f ho iittees hent ho iints a ho cess	urs urs und urs
Planning - Ma Objectives an policies. Unit:3 Organizing – Delegation an Selection prod Unit:4 Directing – D Supervision – standards. Unit:5 Controlling –	d policies Types of d centra cess - Tra Nature an Commun Need for htrol - De	d purpose of planning – Steps in planning – Types of p s – Objectives, policies, procedures and methods, nature Organization organization – Organizational structure – Span of contri- lization line & staff relationship - Staffing – Sources ining methods – Performance appraisal. Directing nd purpose of directing – Motivation – Discipline nication – Requirements for effective controls – Critica Controlling r co-ordinating – Meaning and importance of control – ecision making – Process of decision making – Type	and ty rol – C of rec – Lea l contr	g - pes o 13 Commercuitm 13 adershol po 12 ol pro decisi	f ho iittees hent ho iints a ho cess	urs urs und urs -

Text Book(s)								
1	Industrial Engineering And Management, O.P.Khanna, Dhanpat Rai Publications, New Delhi,							
	2006.							
2	Business Organisation and Management, D.P.Jain, Vrinda Publications 1999.							
Reference Books								
1	Essentials of Management, Harold Koontz and Heinz Weihrich, Published by Tata McGraw							
	Hill 1998.							
2.	Principles of Management, George.R.Terry and Stephen. G.Franklin, Published by A.I.T.B.S							
	2003.							
and the second sec								
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]								
1	https://www.mindtools.com/pages/article/henri-fayol.htm							
2	https://www.toolshero.com/management/14-principles-of-management/							
3	https://byjus.com/commerce/henri-fayol-14-principles-of-management/							
Cor	urse Designed By: Dr. K. Prabha Kumari							

Mapping with Programme Outcomes												
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10		
CO1	M	М	М	М	М	L	М	S	S	S		
CO2	Μ	M	М	М	М	L	М	S	S	S		
CO3	М	Μ	М	М	М	М	M	S	S	S		
CO4	М	Μ	M	М	М	М	М	S	S	S		
CO5	M	М	М	М	М	L	М	S	S	S		

Course Code	3ZA		т	Т	Р	С
		ACCOUNTANCY FOR MERCHANDISERS		1	r	
Skill Based Su	bject	Skill Based Subject I	5	-	-	3
Pre-requisite		Basic Knowledge in Financial Accounting	Sylla Versi		2021 2022	
Course Object	ives:					
	students by a	nalyzing Final Accounts, Statement of Deprec	iation	and	Bill	of
Exchange.						
Europeted Cour	ma Autoomog					
Expected Cour		of the course, student will be able to:				
	1	nize and understand ethical issues related to	the		K1	
	ng profession.	inze and understand cancar issues related a	, the			
	• •	Generally about the Accepted Accounting Principl	es.		K2	
		cepts in Merchandising field.			K3	
4 Analyze	and prepare fin	nancial statements.			K4	
5 Apply th	e Financial Ac	counting concepts.			K3	
K1 - Remembe	r; K2 - Under s	tand; K3 - Apply; K4 - Analyz <mark>e; K5</mark> - <mark>Ev</mark> aluate; <mark>F</mark>	X6 – C	reate	•	
	- 224		-			
Unit:1	1	Introduction to Accounting			ho	
24. 474		- meaning of accounting – types of accounts –				
		unting – financial accounting – management ac				
difference.	personal accou	ints – single entry system – double entry syste	em –	Adva	ntage	; —
difference.		Contract of the local division of the local	200	1	1	
Unit:2	2	Accounting Terms		15	ho	urs
	– trial balance	- how to prepare a trial balance – limitations of	of trial	r 7		
- 0		ension. Subsidiary books – invoice – debit note –				
receipts - vouc	her – simple pr	oblems.	15			
	1.14	A CONTRACTOR OF THE OWNER OWNER OF THE OWNER				
Unit:3	100	Final Accounts			ho	
		atching principles – limitations –difference betwee	een tra	ding	profi	t
and loss accour	nt –p/l account	and balance sheet - adjustments in final accounts				
Unit:4		Depreciation		15	ho	iirc
	meaning _ typ	es – straight line methods or fixed instalments or e	I leune			uis
-	• • • •	e or reducing instalment method. Revaluation N	-			
problems only)	-			(r	
Unit:5		A		1(-	
		Accounting Procedures		10	ho	urs
		of non trading concerns – distinctions between ca be expenditure – capital and revenue receipts – b	-	nd re	venue	e

	Total Lecture hours 75 ho	urs
Te	xt Book(s)	
1	Principles of Accountancy, N.Vinayakam, P.L.Mani, K.L.Nagarajan , Published by S.Ch	and
	& Company Ltd, 1975.	
2	Introduction to Accountancy, T.S.Grewal, Published by S.Chand & Company Ltd, 2016.	
3	Financial Accounting, R.L.Gupta, V.K.Gupta, M.C.Shukla – Published by Sultanchand	&
	sons, 2014.	
	and the second se	
Re	ference Books	
1	Advanced Accountancy, T.S.Grewal, S.C.Gupta, S.P.Jain , Published by Sultanchand & so	ns,
	2017.	
2	Advanced Accountancy, K.L.Narang, S.N.Maheswari, Kalyani publishers, 1984.	
Re	lated Online Cont <mark>ents [MOOC, SWAYAM, NPTEL, Webs</mark> ites etc.]	
1	https://alison.com/course/accounting-merchandising-transactions	
2	https://www.dummies.com/business/operations-management/accounting-for-merchandisin	g-
	company-inventory/	
3	https://courses.lumenlearning.com/sac-finaccounting/chapter/alternative-formats-and-	
	terminology-for-financial-statements/	
Co	urse Designed By: Dr. N. Sivakumar	

Mappi	Mapping with Programme Outcomes												
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10			
CO1	М	L	L	L	S	L	М	М	S	S			
CO2	М	М	М	L	S	L	М	М	S	S			
CO3	L	М	L	М	S	L	М	М	S	S			
CO4	М	М	L	М	S	E	М	М	S	S			
CO5	L	М	М	М	S	L	М	М	S	S			



Course C	ode	43A	TEXTILE TESTING AND QUALITY ASSURANCE	L	Т	P	С
Core		-	Paper VII	4	-	-	4
Pre-requ	isite		Basic knowledge in fiber, yarn, and fabric properties	Sylla Vers		202 202	
Course ()bject	tives:		1			
To Infus	e unde	erstandi	ng of Yarn, Fabric and Apparel Testing Methods				
	~~~						
Expected							
			pletion of the course, student will be able to:	ofton	410	<b>V</b> 1	
			methods by which the physical and mechanical properties roducts are measured and investigated.	or tex	the	K1	
			Sampling and yarn quality parameters testing.			K2	
			ity in Fabric and garment by Quality parameters testing.	redure	S	K2 K3	
1			al Inspection Process in the Garment industry.	caure		K3 K4	
	•		Textile Testing Standards.			K1 K2	
			Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6	– Cre	ate	1	
		_,					
Unit:1		-	Quality and its Terms		12	ho	urs
Importan	ce of	Quality	. Quality terminologies. Testing: Objectives of Testing - Sta	ndard	izatio	on of	2
			measurement - types of error - repeatability & reproducibility				
condition	s for t	es <mark>ting</mark> l	ab. Brief study on fibre properties – FQI. – Identification of	textil	e fib	res.	
100		S	Reporter and Sector		Ş.,		
Unit:2			Yarn Quality	100	12	ho	urs
		-	ms – Determination of yarn count: wrap reel, electronic ya			1	
	100 C		ance, Beesley balance - count calculations. Yarn strength: 1			th	
			evenness: Brief study on Uster unevenness. Yarn twist:	Term	18 -		
Electroni	c twis	st tester	. Hairiness measurement.	1			
Unit:3			Fabric Quality		14	ho	irc
	abric s	specific	ations - Bursting strength testing – testing of fabric resistand	ce to s			uis
		-	abric handle - drape and stiffness - Dimensional stability o		00		: _
	-	-	color fastness to washing, rubbing, perspiration & light -				
		-	poor color fastness - Seam strength & seam slippage. H	-			
testing of	wove	n fabrio	2.				
Unit:4			Inspection			ho	
-			- Types of Inspection - Study on Incoming materials ins	spectio	on: f	abric	,
Inspectio	n syst	ems &	Testing of zippers, Buttons, Waistbands, Sewing thread.				
Unit:5			Final Ingrastion		10	hai	1 74 ~
	e iner	ection	<b>Final Inspection</b> and its significance in apparel quality. Final inspection – R	iche in		ho ved	
-	-		arment appearance after washing – package quality testir				
		т <i>р</i> . О	annen appearance arter washing package quanty testin	·5 · C	are	aut	5.

	Total Lecture hours     60
Te	t Book(s)
1	Principles of Textile Testing, J.E. Booth, Butterworth's Publication, 1986.
2	Hand book of textile Testing & Quality Control, Elliot b. Grover & D.S. Hamby, Textile Bo
	Publishers (Interscience), New York, 1960.
3	Physical testing of Textiles, B.P.Saville, Woodhead Publising ltd, 1999.
Re	erence Books
1	Textile Testing, P. Angappan & R. Gopalakrishnan, Publisher - SSM Institu
	of Textile Technology, Komarapalayam, 1997.
2	Managing Quality in Apparel Industries, Pradeep V Metha & Satish k. Bhardwaj, Publishe
	New Delhi : H.S. Poplai for New Age International (P) Ltd, 1998.
Re	ted Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]
1	https://textilevaluechain.in/2020/05/05/textile-testing-and-quality-control/
2	https://textilelearner.blogspot.com/2012/09/textile-testing-quality-control-ttqc.html
3	https://textilelearner.blogspot.com/2011/04/introduction-of-textile-testing-and_4641.html
}	
Co	rse Designed By: Mrs. D. Anita Rachel

Mappi	Mapping with Pro <mark>gramme Outcomes</mark>											
COs	<b>PO1</b>	PO2	PO3	PO4	PO5	PO6	<b>PO7</b>	PO8	PO9	<b>PO10</b>		
CO1	S	М	S	М	L	S	M	М	S	S		
CO2	S	М	S	M	L	S	М	М	S	S		
CO3	S	М	S	S	L	S	М	М	S	S		
CO4	S	М	S	М	L	S	М	М	S	S		
CO5	S	M	S	М	L	S	М	М	S	S		

C ales

Course Code	43B	BASICS OF GARMENT CON	STRUCTION	L	Т	Р	С
Core	1	Paper VIII		4	-	-	4
Pre-requisite		Basic Knowledge in Garment Style	s	•	Syllabus Version		
Course Objec							
To develop kno	owledge	of Apparel Construction Processes.					
Expected Cou	rse Aut	nomes.					
-		eletion of the course, student will be a	ble to:				
		verview of the manufacturing process		ial equip	ment	K1	
		onstruction.					
2 Understa			K2				
		ches and Seams in Sewing process.				K3	
4 Analyze	Appare	production systems	5 A.			K4	
		onstruction of a basic garment.	1			K2	
K1 - Remembe	er; <b>K2</b> -	<mark>Jnder</mark> stand; <b>K3</b> - Apply; <b>K4</b> - Analyz	e; K5 - Evaluate	; <b>K6</b> – C	Create		
			6	1			
Unit:1							
		Garment Analysis	190			ho	
	rtments	Garment Analysis & their role in garment industry. Pro	oduct types and	its influe			
Different depa					ence.	Garn	nen
Different depa analysis and i	ts <mark>clas</mark> s	& their role in garment industry. Pro	arts for men, v	vomen, a	ence. and cl	Garn	nen
Different depa analysis and i requirement an	ts <mark>clas</mark> s	& their role in garment industry. Pro- fication - measurement and size ch lown of garments - flow process - tors	arts for men, v	vomen, a	ence. and cl ts.	Garn nildre	nen 2n -
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	Total Lecture hours         60 hours
Te	xt Book(s)
1	Apparel Manufacturing, Hand Book, Jacob Solinger, Published by Bobbin Media Corporation, 1988.
2	Technology Of Clothing Manufacture, Herold Carr & B.Latham, Wiley-Blackwell Publication, 2008.
3	Apparel Manufacturing and Technology, T.Karthik, P.Ganesan, D.Gopalakrishanan, Published by CRC Press, 2016.
Re	Cerence Books
1	Technology Of Stitches & Seams, Coats, Published by Viyella Limited, 1986.
2	Apparel Manufacturing Management System, Roche Daniel, Published by Elsevier, 2014.
Re	ated Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]
1	https://www.sciencedirect.com/topics/engineering/garment-construction
2	https://ncert.nic.in/vocational/pdf/ivsm103.pdf
3	https://www.cottonworks.com/topics/sourcing-manufacturing/garment-manufacturing/the-art-
	of-garment-manufacturing-garment
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Co	Irse Designed By: Mrs. D. Anita Rachel

Mappi	Mapping with Programme Outcomes												
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10			
CO1	S	S	S	М	L	S	S	S	S	S			
CO2	S	S	S	М	L	S	S	S	S	S			
CO3	S	S	S	М	М	S	S	S	S	S			
<b>CO4</b>	S	S	S	М	L	S	S	S	S	S			
CO5	S	S	S	М	L	S	S	S	S	S			

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

CATE TO ELEVINITE

Course Code	<b>43</b> C	APPAREL MERCHANDISING I	L	Т	Р	С		
Core		Paper IX	4	-	-	4		
Pre-requisite		Basic Knowledge in Apparel	Sylla Vers		2021 2022			
<b>Course Object</b>	tives:							
To be enriched	in the c	concept of Apparel Merchandising and in Apparel busine	ess proc	cess.				
Expected Cou								
		pletion of the course, student will be able to:		. dia a	K1			
managem								
		it involves in planning, buying and selling functions.			K2			
	-	ated planning and buying functions with separate tear	ms han	dling	K3			
		n co-ordination.						
-		lenges in apparel business.			K4			
		chandising business and its service.			K2			
K1 - Remembe	er; <b>K2</b> -	Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate;	<b>K6</b> – C	Create				
<b>T</b> T <b>1</b> / 4	- 22		3	10	-			
Unit:1		Introduction to Merchandising uction, Meaning- Apparel Merchandising, Process of 1			ho			
of merchandise difference.		ortance of merchandising, Types of Merchandising Co		and	its			
of merchandise difference. Unit:2 Merchandising – Organisation	busines structu – Classi	Merchandising, Types of Merchandising Concepts Ss & service business, Activities of merchandising, Con re of an apparel industry – Classification of Exporters - fication of buyers – Export merchandising and retail me	ompany cepts o Rating	and 12 f "Six or Gr	its ho Righ ading	urs nts''		
of merchandise difference. Unit:2 Merchandising – Organisation export houses - Company profi	busines structu – Classi	Merchandising, Types of Merchandising Concepts Section 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 2017 - 20	ompany cepts o Rating	12 f ,,Six or Gr lising	its ho Righ rading	urs nts" g of		
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of merchandise difference. Unit:2 Merchandising – Organisation export houses - Company profi Unit:3 Types of merch – Vendor sourco – Reasons for v Unit:4 Work of merch and retail sales product change Unit:5 Flow process details, Flow	busines structu - Classi le and i nandiser cing, ev vendor r nandiser s, Conc c, determ of sam proces	Merchandising, Types of Merchandising Concepts         ss & service business, Activities of merchandising, Concept business, Activities of merchandising, Concept of an apparel industry – Classification of Exporters - fication of buyers – Export merchandising and retail mets contents.         Merchandiser and its Details         r - Functions of a merchandiser – Essential requisites of aluation and development – Global sourcing – Vendor momination.         Concepts of Merchandising         r- role of merchandiser in garment Industry, apparel ir epts of merchandising, concepts and apparel product mination and development of product line and product ramet in and development of product line and product ramet in a product merchandising, Procedure of sample preparation, s of product merchandising, Procedure of product product product product merchandising, Procedure of product product product product product merchandising, Procedure of product product product product product merchandising, Procedure of product produ	ompany acepts o Rating erchand Ta good nomina dustry, lines, ange.	r and 12 - f "Six or Gr lising - 12 - l merc tion b 14 - , supe dimen 12 - 1 - - - - - - - - - - - - - -	ho Righ ading ho hand y buy ho r man sions ho eck p	ur: nts' g of ur: vers vers vers ur: che of		

Te	xt Book(s)
1	Apparel Merchandising, Robin Mathew, Book Enclave Publishers, Jaipur, 2008.
2	Inside the Fashion Business, Mc Millan Publishing Co, 7 th Edition, 2004.
3	Fashion Merchandising, Elian Stone, Glencoe/McGraw-Hill School Publication , 2004.
Ref	ference Books
1	Apparel Merchandising, An integrated Approach, Krishnakumar, M, Abishek Publications, 2010.
2	Apparel Merchandising, Jerry A & Rosenau, Fairchild Publications, London, 2007.
Re	lated Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]
1	https://www.fibre2fashion.com/industry-article/5743/merchandising-in-an-apparel-industry
2	https://www.textileebook.com/2019/11/apparel-merchandising-by-r.html
3	https://textilelearner.blogspot.com/2011/08/merchandising-merchandiser-garments.html
Co	urse Designed By: Mrs. D. Anita Rachel

Mappi	Mapping with Programme Outcomes												
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	<b>PO10</b>			
CO1	М	М	S	М	S	S	S	S	S	S			
CO2	М	М	S	М	S	S	S	S	S	S			
CO3	М	М	S	М	М	S	S	S	S	S			
<b>CO4</b>	М	S	S	М	М	S	S	S	S	S			
CO5	М	S	S	М	S	S	S	S	S	S			

BAL -

Course Code	43P	GARMENT CONSTRUCTION II	L	Т	Р	С				
Core		Practical V	-	-	6	3				
Pre-requisite		Basic Knowledge in Stitches and Seams	Syllabus2021Version2021							
<b>Course Objec</b>	tives:									
To Train the st	udents i	n construction of garments.								
Expected Cou										
		pletion of the course, student will be able to:			K1					
	Understand different machines used for garment manufacture.									
		out different types of stitching, button holing and button	stitchir	ıg.	K3					
-		tyles in Garment Construction.			K4					
		tyles and its Construction.			K4					
K1 - Remembe	er; <b>K2</b> -	Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; H	<b>X6</b> – C	reate						
		A DECEMBER OF A								
Part - A Men's Wear	, A	Experiments		60	ho	urs				
4.Men's 1 5.Men's 1 6. Men's 7 7.Men's 7 8.Men's 1 9.Men's 1	Polo T-s Hooded T-shirt Frouser Boxer sl	T-shirt with R aglan Sleeve horts Sleeve		30						
Part – B		Experiments		30	ho	urs				
Women' Draft the 1. Ladies 2. Nightie 3. Ladies	Pattern, Basic B s.	, Cut & Construct Then and develop and construct the fol odice.	lowing	ļ.						
		Total Lecture hours		90	ho	urs				
Text Book(s)		·								
1 Apparel M	lanufac	turing, Hand Book, Jacob Solinger, Published by Bobbin	Media	a Cor	porat	ion				

2	Technology Of Clothing Manufacture, Herold Carr & B.Latham, Wiley-Blackwell Publication,
	2008.
3	Apparel Manufacturing and Technology, T.Karthik, P.Ganesan, D.Gopalakrishanan, CRC
	Press, 2016.
Ref	erence Books
1	Technology Of Stitches & Seams, Coats, Published by Viyella Limited, 1986.
2	Apparel Manufacturing Management System, Roche Daniel, Published by Elsevier, 2014.
Rel	ated Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]
1	https://www.sciencedirect.com/topics/engineering/garment-construction
2	https://ncert.nic.in/vocational/pdf/ivsm103.pdf
3	https://www.cottonworks.com/topics/sourcing-manufacturing/garment-manufacturing/the-art-
	of-garment-manufacturing-garment
Cou	irse Designed By: Mr.P. Ellayaperumal

Mappin	Mapping with Programme Outcomes												
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10			
CO1	S	M	М	L	L	M	S	S	S	S			
CO2	S	М	М	L	М	М	S	S	S	S			
CO3	М	М	М	М	L	М	S	S 🖌	S	S			
CO4	М	S	М	L	L	М	S	S	S	S			
CO5	М	S	М	L	М	М	S	S	S	S			

Course Cod	e 4A	Q	TEXTILE TESTIN	NG PRACTICAL	L	Т	Р	C		
Allied			Pape	er IV	-	-	6	3		
Pre-requisi	te		Basic Knowledge in Te	xtile testing	Syllabus Version		2021 2022			
Course Ob	ectives:									
To Infuse u	nderstand	ing of Y	arn, Fabric and Apparel	Testing Methods.						
Expected C										
On the succ	essful com	pletion	of the course, student wi	ll be able to:						
1 Rem	Remember the methods by which the physical and mechanical properties of textile									
mate	ials and p	roducts	are measured and investi	gated.						
2 Unde	rstand the	Sampl	ng and yarn quality parar	neters testing.			K2			
3 Appl	y the Qual	ity in F	abric and garment by Qua	ality parameters testing Pro	ocedu	ires.	K3			
4 Anal	ze the Fin	nal Insp	ection Process in the Gar	ment industry.			K4			
	Analyze and measure important characteristics of fabric, garment and Interpret the									
resu	ts obtaine	d durin	gevaluation of fabrics.	Per 2						
K1 - Remer	nber; <b>K2</b> -	Under	stand; <b>K3</b> - Apply; <b>K4</b> - A	Analyze; <b>K5</b> - Evaluate; K	6 – C	reate				
					3					
Part – A		2	Experiments			90 -	- hou	Irs		
<ol> <li>Determ</li> <li>Determ</li> <li>Determ</li> <li>Determ</li> <li>Analys</li> <li>Determ and No</li> <li>Analys</li> <li>Determ</li> <li>Determ</li> <li>Determ</li> <li>Determ</li> <li>Determ</li> <li>Determ</li> <li>Determ</li> <li>Determ</li> <li>Determ</li> </ol>	ination of ination of ination of is of given mination of fination of nination of nination of nination of	f yarn c f twist c f Burstin f fabric of the F d comp f thickn f CRA c f colour f colour	ng Strength Tester for the sample for determining v abric Pilling Property fo osition of given fabrics. ess of fabric using fabric of fabric using Crease Rec fastness of given sample fastness of given sample	using Beesley balance. rn using electronic twist to Knitted Fabric veight, CPI, WPI, SL, CL r the given Fabric and gra- thickness gauge. cover Tester. to washing by using Laun to rubbing by using Crock	& yan ade it deror	by G neter. r	rey So	cal		
			• •	to perspiration by using I	-	romet	er			
15. Detern	unation of	aimen	sional stadility% of a give	en fabric/garment to Wash	ing.					
				Total Lecture hours		90 -	- hou	Irs		
Text Book(	s)					20				
		(1. T		11. 5.11						
1 Princip	les of Lex	the res	ting, J.E. Booth, Butterwo	orth's Publication 1986						

	Publishers (Interscience), New York, 1960.
3	Physical testing of Textiles, B.P.Saville, Woodhead Publising ltd, 1999.
Ref	erence Books
1	Textile Testing, P. Angappan & R. Gopalakrishnan, Publisher - SSM Institute
	of Textile Technology, Komarapalayam, 1997.
2	Managing Quality in Apparel Industries, Pradeep V Metha & Satish k. Bhardwaj, Publisher -
	New Delhi : H.S. Poplai for New Age International (P) Ltd, 1998.
Rel	ated Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]
1	https://textilevaluechain.in/2020/05/05/textile-testing-and-quality-control/
2	https://textilelearner.blogspot.com/2012/09/textile-testing-quality-control-ttqc.html
3	https://textilelearner.blogspot.com/2011/04/introduction-of-textile-testing-and_4641.html
Cou	urse Designed By: Mrs.D.Anita Rachel

Mappi	Mapping with Programme Outcomes											
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10		
CO1	S	Μ	S	М	L	S	М	M	S	S		
CO2	S	Μ	S	М	L	S	М	Μ	S	S		
CO3	S	М	S	S	L	S	М	Μ	S	S		
<b>CO4</b>	S	M	S	М	L	S	М	M	S	S		
CO5	S	М	S	М	L	S	M	Μ	S	S		

Course Code	4ZB	FASHION BUSINESS	L	Т	Р	С
Skill Based Su	bject	Skill Based Subject II	4	-	-	3
Pre-requisite		Basic Knowledge in Fashion Business	Sylla Vers		2021 - 2022	
<b>Course Object</b>	ives:	l		I		
To Acq accessories.	uaint the	student with the history of fashion, its elements, tradition	onal C	ostum	es an	d
Expected Cou	rse Outc	omes:				
		letion of the course, student will be able to:				
1 Remember designing		evelop an understanding of fashion evolution and	l fashi	on	K1	
		the Fashion Environment in Apparel Sectors.			K2	
		s in Fashion Market.			K3	
		on Forecasting.			K4	
		ope of Fashion Advertisement and Promotions.			K2	
KI - Remembe	r; <b>K</b> 2 - U	Inderstand; K3 - Apply; K4 - Analyze; K5 - Evaluate; I	<b>xo</b> – C	reate		
Unit:1	Č.	Fashion Environment		12	- ho	urs
	nment [.] I	ntroduction to fashion industry - Fashion environment	- Dem			
		nic, Sociological and psychological factors – Fashion of				C
			-	I donn	on	
			achion	The	oriog	of
		le, manufacturer's role and retailer's role. Leaders of fa	ashion	- The	ories	of
fashion adoptio		le, manufacturer's role and retailer's role. Leaders of fa	ashion	- The	ories	of
		Fashion Business	ashion	2	Å	
fashion adoptio	n.	Fashion Business		12 -	ho	urs
fashion adoptio Unit:2 Fashion Busine	on. ess: Scop	Fashion Business e of fashion business - Primary level, secondary level	and ret	<u>12</u> tail le	ho vel –	urs
fashion adoptio Unit:2 Fashion Busine Type of fashion	ess: Scop designe	Fashion Business e of fashion business - Primary level, secondary level a rs - Role of fashion designers – Principles of mercha	and ret	<b>12</b> tail le g – T	ho vel – ypes o	urs of
fashion adoptio Unit:2 Fashion Busine Type of fashion merchandising	ess: Scop designe – Role o	Fashion Business e of fashion business - Primary level, secondary level a rs - Role of fashion designers – Principles of mercha f merchandiser - Effect of Consumer – Types of buyer	and ret	<b>12</b> tail le g – T	ho vel – ypes o	urs of
fashion adoptio Unit:2 Fashion Busine Type of fashion	ess: Scop designe – Role o	Fashion Business e of fashion business - Primary level, secondary level a rs - Role of fashion designers – Principles of mercha f merchandiser - Effect of Consumer – Types of buyer	and ret	<b>12</b> tail le g – T	ho vel – ypes o	urs of
fashion adoptio Unit:2 Fashion Busine Type of fashion merchandising	ess: Scop designe – Role o	Fashion Business e of fashion business - Primary level, secondary level a rs - Role of fashion designers – Principles of mercha f merchandiser - Effect of Consumer – Types of buyer	and ret	12 tail le g – T nmun	ho vel – ypes o	of on
fashion adoption Unit:2 Fashion Busine Type of fashion merchandising with buyers and Unit:3	n. ess: Scop n designe – Role o 1 consum	Fashion Business e of fashion business - Primary level, secondary level a rs - Role of fashion designers – Principles of mercha f merchandiser - Effect of Consumer – Types of buyer ters.	and reand reand is in a contract of the second seco	12 tail le g – T nmun	ho vel – ypes d icatio	of on urs
fashion adoption Unit:2 Fashion Busine Type of fashion merchandising with buyers and Unit:3 Fashion Foreca	n. ess: Scop n designe – Role o l consum sting: Fa	Fashion Business         e of fashion business - Primary level, secondary level a         ers       - Role of fashion designers – Principles of mercha         f merchandiser - Effect of Consumer – Types of buyer         hers.         Fashion Forecasting	and reandisin andisin s – con	12 tail le g – T mmun <u>12</u> cies –	ho vel – ypes o icatio ho Role	urs of on urs
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fashion adoption Unit:2 Fashion Busine Type of fashion merchandising with buyers and Unit:3 Fashion Foreca of forecasting mix, factors aff Unit:4 Fashion Mark International sourcing – R demand chain Unit:5 Advertisement Sales promotio	ess: Scop designe – Role o d consum sting: Fa agencies fecting pr et: Mark market – aw mate analysis and Prom n methoo	Fashion Business         e of fashion business - Primary level, secondary level ars         e of fashion business - Primary level, secondary level ars         f merchandiser - Effect of Consumer – Types of buyer         hers.         Fashion Forecasting         Fashion Forecasting         Fashion Forecasting         Fashion forecasting – Need for forecasting - Forecasting         - Fashion direction and recent trends – Product deveroduct mix.         Fashion Market         et research: Types of market – Retail & wholesale market. So rial sourcing – Accessory sourcing. Resource plann         - Just in time technology.       Advertisement and Promotions         Advertising: purpose – methods - types of advertising: purpose – methods - types of advertising	and repanding an	$\frac{12}{g - T}$ $\frac{12}{2}$ $\frac{12}$	ho ypes ( ication ho Role produ ho stic & hod ( oly ar ho ia -	urs of on urs ct urs d of nd urs
fashion adoption Unit:2 Fashion Busine Type of fashion merchandising with buyers and Unit:3 Fashion Foreca of forecasting mix, factors aff Unit:4 Fashion Mark International sourcing – R demand chain Unit:5 Advertisement Sales promotio Feedback to pr	ess: Scop a designe – Role o l consum sting: Fa agencies fecting pr et: Mark market – aw mate analysis and Pror n methoo roductior	Fashion Business         e of fashion business - Primary level, secondary level ars         ers       - Role of fashion designers – Principles of merchal f merchandiser - Effect of Consumer – Types of buyer ters.         Fashion Forecasting         shion forecasting – Need for forecasting - Forecasting         - Fashion direction and recent trends – Product devereduct mix.         Fashion Market         et research: Types of market – Retail & wholesale mar         - Designers labels – Chain stores – Brand market. So rial sourcing – Accessory sourcing. Resource plann         - Just in time technology.         Advertisement and Promotions         notions: Advertising: purpose – methods - types of advected as - Trade fairs and fashion shows as sales promotion to the stores and the stores are sales promotion to the stores are sales promotion to the stores of the stores are sales promotion to the stores of the stores are sales promotion to the stores of the stores are sales promotion to the stores of the stores are sales promotion to the stores are sales promoties to the stores aready are sales promotion to the stores	and repanding an	$\frac{12}{g - T}$ $\frac{12}{2}$ $\frac{12}$	ho ypes ( ication ho Role produ ho stic & hod ( oly ar ho ia -	urs of on urs ct urs d of nd urs
fashion adoption Unit:2 Fashion Busine Type of fashion merchandising with buyers and Unit:3 Fashion Foreca of forecasting mix, factors aff Unit:4 Fashion Mark International sourcing – R demand chain Unit:5 Advertisement Sales promotio Feedback to pr	ess: Scop a designe – Role o l consum sting: Fa agencies fecting pr et: Mark market – aw mate analysis and Pror n methoo roductior	Fashion Business         e of fashion business - Primary level, secondary level ars         e of fashion designers - Principles of merchal f merchandiser - Effect of Consumer - Types of buyer ters.         Fashion forecasting         Fashion Forecasting         Fashion Forecasting         shion forecasting - Need for forecasting - Forecasting         - Fashion direction and recent trends - Product deveroduct mix.         Fashion Market         et research: Types of market - Retail & wholesale market. So rial sourcing - Accessory sourcing. Resource plant - Designers labels - Chain stores - Brand market. So rial sourcing - Accessory sourcing. Resource plant - Just in time technology.         Advertisement and Promotions         notions: Advertising: purpose - methods - types of advect ds - Trade fairs and fashion shows as sales promotion to a and marketing departments - Use of computers as a sales promotion to a sand marketing departments - Use of computers as a sales promotion to a sand marketing departments - Use of computers as a sales promotion to a sand marketing departments - Use of computers as a sales promotion to b a sand marketing departments - Use of computers as a sales promotion to b a sa	and repanding an	$\frac{12}{g - T}$ $\frac{12}{2}$ $\frac{12}$	ho ypes ( ication ho Role produ ho stic & hod ( oly ar ho ia -	urs of on urs ct urs d of nd urs

Tex	xt Book(s)									
1	Fashion Business, Dr.K.Prabha Kumari & D.Anita Rachel ,Abhishek Publications. ISBN:									
1	978-81-8247-68-4, 2018.									
2	Inside the Fashion Business, Kitty G. Dickson, Mc Millan Publishing Co., 2002.									
3	Fashion Merchandising, Elian Stone, McGraw-Hill Publication, 2004.									
Ref	Cerence Books									
1	Fashion : Concepts to Consumers, Gini Stephens Frings, Pearson Publication, 2005									
2	Apparel Merchandising, An integrated Approach, Krishnakumar, M, Abishek Publications,									
	2010.									
3.	Apparel Production Management, Dr.K.Prabha Kumari & D.Anita Rachel .,Karangal									
	Publication,ISBN:978-81-93623-99-2,2018									
Rel	ated Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]									
1	https://www.businessoffashion.com/									
2	https://www.britannica.com/art/fashion-industry									
3	https://www.britannica.com/art/fashion-industry/Fashion-retailing-marketing-and-									
	merchandising									
Cot	irse Designed By: D <mark>r.K.Prabha Kumari</mark>									

Mappi	Mapping with Program <mark>me Outcomes</mark>											
COs	PO1	PO2	PO3	PO4	PO5	PO6	<b>PO7</b>	PO8	PO9	<b>PO10</b>		
CO1	Μ	М	S	М	L	S	S	S	S	S		
CO2	М	М	S	М	L	S	S	S	S	S		
CO3	М	М	S	М	L	S	S	S	S	S		
<b>CO4</b>	М	М	S	М	L	S	S	S	S	S		
CO5	М	М	S	М	L	S	S	S	S	S		

1



Course Code	53A	APPAREL PRODUCTION MANAGEMENT	L	Т	Р	С
Core		Paper X	4	-	-	4
Pre-requisite		Basic Knowledge in Apparel Goods	Sylla Vers		2021 - 2022	
<b>Course Object</b>	ives:					
-		the improved methods of material control in apparel provide the second				
2. To acqu	aint stu	dent with quality concepts for implementing quality in a	pparel	prod	uction	1.
Europeted Cours						
Expected Cour		bletion of the course, student will be able to:				
	-	actise better methods in apparel production.			K1	
	-	anning to take informed business decisions in the appar	el indu	strv.	K2	
	-	ontrol in apparel production.			K3	
		epts and time study in Garment units.			K4	
5 Understar	nd the Q	ualitative and Quantitative Analysis of Production.			K2	
K1 - Remembe	r; <b>K2</b> - 1	Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate;	<b>K6</b> – C	reate		
	l.		8			
Unit:1		Garment Industry Plant Location	110	12	ho	ours
Balance Contro Unit:2	l <mark>– Ba</mark> la	ncing Exercises For Garment Industry.  Materials Management		12	ho	
2. 25.		classification of materials – importance and objectives of		1.2	no	ours
Management. I control – ABC a	nventor malysis	y – classification – inventory control models- factors in - EOQ. MRP: introduction – concepts and advantages-fa ory. CRP: types- measurement & determination of capa	fluenci ctors ir	ng in nfluer	icing	the
Unit:3	1	Method Study and Work Measurement		12	ho	ours
Symbol – Proc Principles Of	ess Flov Motion	Iethod Study And Work Measurement – Techniques – I w Chart – Flow Diagrams – String Diagrams – Multi Economy – SIMO Chart – Time Study Methods – St ial Reference To Garment Industry.	ple Ac	tivity	Char	
Unit:4		Methods of Production Systems		12	ho	ours
System & "Syn	chro" S oncepts	N Systems – Job, Mass & Batch – Section Systems, P ystem – Conveyor Systems – Unit Production System – – Measurement Of Productivity – "Man Machine Mat	Quick	Resp	onse.	

Un	it:5	Analysis of Production	12 hours
Fu	nction, Qua	litative and Quantitative Analysis of Production - Coordinating Dep	partmental
Ac	tivities - F	l o w Process and Charts For Garment - Scheduling Calculations - A	Assigning
Op	erators Opt	imally - Setting Up Complete Balanced Production Lines To Produc	ce Given Amount
Of	Garments.		
		Total Lecture hours	60 hours
Te	xt Book(s)		
1		Production Management, Dr.K.Prabha Kumari & D.Anita on,ISBN:978-81-93623-99-2, 2018.	Rachel.,Karangal
2	Apparel I 1988.	Manufacturing, Hand Book, Jacob Solinger, Published by Bobbin M	Iedia Corporation,
3	Technolo 2008.	gy Of Clothing Manufacture, Herold Carr & B.Latham, Wiley-Blac	kwell Publication,
4	Introduct	ion To <mark>Clothing Man</mark> ufacture, Gerry Cooklin, Th <mark>e Blackwell</mark> Public	ation, 1991.
Re	ference Bo	oks	
1	Introduc	tion To Production Management, A. J. Chuter, Published by BSP Pr	ofessional, 1988.
2	Personal 2013.	Management And Industrial Relations, Tripathi, Publisher: Sultan Cl	hand And Sons,
3.	Industrial	Engineering And Management, OP. Khanna, Dhanpat Rai Publicat	ion, 2018.
Re	lated Onlin	ne Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	1 1
1	https://a	pparelresources.com/business-news/manufacturing/production-man	agement-better-
	run-fact		5
2	https://w	/ww.onlineclothingstudy.com/2020/07/9-video-tutorials-on-apparel-	-production.html
3		lothingindustry.blogspot.com/2017/11/production-planning-control-	
	-		¢
Co	urse Desig	ned By: Mr. P.Sankarakarthikeyan	
3.6	• • • • •		

Mappin	Mapping with Programme Outcomes											
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10		
CO1	М	М	М	М	L	М	S	S	S	S		
CO2	М	М	М	М	М	М	S	S	S	S		
CO3	М	М	М	L	L	М	S	S	S	S		
<b>CO4</b>	М	М	М	М	L	М	S	S	S	S		
CO5	М	М	М	М	М	М	S	S	S	S		

Course Code	53B	APPAREL MERCHANDISING II	L	Т	Р	С
Core		Paper XI	4	-	-	3
Pre-requisite		Basic Knowledge in Merchandise	Sylla Versi		2021 - 2022	
<b>Course Objec</b>						
		in the concept of Apparel Merchandising and in Apparel				5
		ng input in the Accessories and trims used in the Garment	Indus	stries.		
Expected Cou						
		pletion of the course, student will be able to:				
1 Remembrand		Merchandising is a sub set of activities dealing with me	erchar	ndise	K1	
2 Understa	ind what	t it involves in planning, buying and selling functions.			K2	
	-	ated planning and buying functions with separate teams n co-ordination.	s hanc	lling	K3	
4 Analyze	the chal	lenges in apparel business.			K4	
5 Understa	nd the A	Accessories and trims used in the Garment Industries.			K2	
K1 - Rememb	er; <b>K2</b> -	Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K	<b>6</b> – C	reate		
	-					
Unit:1		Process Flow In Apparel Industry		12	ho	urs
Scheduling or stitching, samp	route ca pling, ad	review and its importance – Planning & programming rd – Factors for route card - programming for yarn, knittin ccessories – Samples: Meaning & importance – Types o	ng, dy	eing,	10	ing,
Scheduling or stitching, samp expedition of s Unit:2 Inspection and importance – Importance – zippers – Butt Elastic ,Draw	route ca pling, ad amples. its type Approva the con cons – I strings	rd – Factors for route card - programming for yarn, knittin ccessories – Samples: Meaning & importance – Types o	ng, dy of sam al run and ' Sewing Carto	reing, aples 13 and i Trims g three	ho ts S - Eads - Lace	ours
Scheduling or stitching, samp expedition of s <b>Unit:2</b> Inspection and importance – Importance – zippers – Butt Elastic ,Draw Second and Th	route ca pling, ad amples. its type Approva the con cons – I strings	Inspection S – Testing – Check points before cutting - Pilot run or tria als - Types of approvals – Shipping marks – Accessories cept – the difference between accessories and trims – S abels – Lining and Interlining – Poly bags – Hangers – – Velcro – Snap fastness – Hooks - Final inspection pr y inspection - Effective expedition procedures.	ng, dy of sam al run and ' Sewing Carto	reing, aples 13 and i Trims g thre ons – ires –	ho its s - eads - Lace - Self	
Scheduling or stitching, samp expedition of s Unit:2 Inspection and importance – Importance – zippers – Butt Elastic ,Draw Second and Th Unit:3	route ca pling, ad amples. its type Approva the con cons – I strings ird part	Inspection S – Testing – Check points before cutting - Pilot run or tria als - Types of approvals – Shipping marks – Accessories cept – the difference between accessories and trims – S Labels – Lining and Interlining – Poly bags – Hangers – – Velcro – Snap fastness – Hooks - Final inspection pr y inspection - Effective expedition procedures.	ng, dy of sam al run and ' Sewing Carto rocedu	reing, aples 13 and i Trims g three ons – ares – 11	ho ts s - Lace - Self	- - - - - - - - - - - - - - - - - - -
Scheduling or stitching, samp expedition of s Unit:2 Inspection and importance – Importance – zippers – Butt Elastic ,Draw Second and Th Unit:3 Order sheet an packing list, i recording and	route ca pling, ad amples. its type Approva the con cons – I strings ird part d its con nvoice, mainten	Inspection S – Testing – Check points before cutting - Pilot run or tria als - Types of approvals – Shipping marks – Accessories cept – the difference between accessories and trims – S abels – Lining and Interlining – Poly bags – Hangers – – Velcro – Snap fastness – Hooks - Final inspection pr y inspection - Effective expedition procedures.	ng, dy of sam al run and ' Sewing Carto cocedu	reing, aples 13 and i Trims g three ons – ures – 11 shee s. Do	ho ts s - Lace - Self ho t,	ours 
Scheduling or stitching, samp expedition of s Unit:2 Inspection and importance – Importance – zippers – Butt Elastic ,Draw Second and Th Unit:3 Order sheet an packing list, i recording and	route ca pling, ad amples. its type Approva the con cons – I strings ird part d its con nvoice, mainten	Inspection Interlining - Pilot run or tria Inspection - Shipping marks - Accessories Inspection - Snap fastness - Hooks - Final inspection pr Inspection - Effective expedition procedures. Inspection - Effective expedition procedures Inspection and testing reports etc., - Assortment and its Inspection and reasons for claims - Factory audits - B Inspectory - Claims and reasons for claims - Factory audits - B Inspectory - Claims and reasons for claims - Factory audits - B Inspectory - Claims - Inspectory - Inspec	ng, dy of sam al run and ' Sewing Carto cocedu	reing, aples 13 and i Trims g three ons – ires – 11 shee s. Do s and	ho ts s - Lace - Self ho t,	ours e – f, purs ents pes

Un	it:5	Visual Merchandising	12 hours
Vis	ual mercha	ndising, Visual display - Fashion communication – Visual / 3D	visual –Elements of
		ndising, Comparison of Visual Merchandising with Fashion Me	
		as a communication tool, presentations in visual merchandising	-
me	rchandising	, Merchandise Planning Software, buy ease software.	
		Total Lecture hours	60 hours
Te	xt Book(s)		
1	Apparel N	Ierchandisin <mark>g, Robin Mathew, Book Enclave Publisher</mark> s, Jaipur, 2	2008.
2	Inside the	Fashion <mark>Business, Mc Millan Publishing Co, 7th Edition, 2</mark> 004.	
3	Fashion M	lerchandising, Elian Stone, McGraw-Hill Publication, 2004.	
Re	ference Boo	oks	
1	Apparel N	Ierchandising, An integrated Approach, Krishnakumar, M,	Abishek
	Publicatio	ns <mark>, 2010.</mark>	
2	Apparel N	Ierchandising, Jerry A & Rosenau, Fairchild Publications, Londor	n, 2007.
3.	Apparel	Pr <mark>oduction</mark> Management, Dr.K.Prabha Kumari & D.Anita	Rachel .,Karangal
	Publicatio	n,IS <mark>BN:978-</mark> 81-93623-99-2, 2018.	
Re	lated Onlin	e Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	and red
1	https://te	xtilelearner.blogspot.com/2013/10/role-of-merchandiser-in-appare	el-industry.html
2	https://cl	othingind <mark>ustry.blogspot.com/2017/12/merchandiser-merch</mark> andisin	g-garment.html
3	https://w	ww.onlineclothingstudy.com/2015/05/apparel-merchandising-note	es.html
		63	Sec.
Co	urse Design	ed By: Mrs.D.Anita Rachel	-

Mappi	Mapping with Programme Outcomes											
COs	PO1	PO2	PO3	PO4	PO5	PO6	<b>PO7</b>	PO8	PO9	PO10		
CO1	М	М	S	М	М	S	S	S	S	S		
CO2	М	М	S	М	М	S	S	S	S	S		
CO3	М	М	S	М	М	S	S	S	S	S		
CO4	S	S	S	S	М	S	S	S	S	S		
CO5	М	М	S	М	Μ	S	S	S	S	S		

Course Code	53C	TOTAL QUALITY MANAGEMENT	L	Т	Р	С
Core		Paper XII	4	-	-	3
Pre-requisite		Basic Knowledge in Quality Management	Sylla Versi		2021 2022	
<b>Course Object</b>	tives:					
To Facilitate th	e unde	rstanding of Quality Management principles and process.				
<b>Expected Cou</b>	rse Ou	itcomes:				
On the success	ful con	npletion of the course, student will be able to:				
1 Rememb	er the (	Quality Functions and Quality Planning's.			K1	
2 Understa	nd the	Statistical Quality Control tools.			K2	
3 Apply the	e tools	and techniques of quality management to manufacturing	and		K3	
services j	process	es.				
4 Analyze	the Co	ntrol charts.			K4	
		SO norms and its standards.			K1	
K1 - Remembe	er; <b>K2</b>	- Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate;	<b>K6</b> – C	reate		
			8			
Unit:1	1	Quality	1	12	ho	urs
Quality - Evo	lution	of Quality management – Quality Function and Quali	ty Plan	ning	– Ba	sic
concepts of To	ta <mark>l Qu</mark> a	ality Management (TQM) – Principles of TQM – Importa	int Phas	ses of	TQM	1
		Four pillars of TQM – PDCA cycle & PDSA cycle – Ka				
Philosophy-	-					
		O C		į.	3	
Unit:2		Statistical Quality Control	20	12	ho	urs
Statistical Qua	ity Co	ntrol (SQC) : Definition – SQC techniques – Frequency	distribu	itions		
- Barl I.		ous – Measures of Central tendency: Mean, Median & I				of
		Iean Range, Mean Deviation, Percentage Mean Devia				
-		icient of Variation – Normal distribution – Binomial di				son
distribution.	1		10			
Unit:3		Control Charts			ho	
		pts and uses – Control limits – Control charts for Variab				
		P chart – NP chart – C chart – Acceptance sampling -			-	-
		e and Multiple Sampling plans – OC curves – AQL and	1 LTPL	$\mathbf{D} - \mathbf{S}$	ampl	ng
errors and samp	oling ri	sks – Producer's risk and Consumer's risk.				
TT . •4 . 4				10	1	
Unit:4	darder	ISO Standards Meaning & Definition – ISO 9000 family of standards –	Flomor		ho	
		0 System – Study on ISO 9001:2000 Guidelines and				
		edures and requirements for ISO 9001:2000 system –				
-			-			
		itation and Certification agencies – Quality audit – Typ	es or q	uanty	auul	ι —
Audit procedui	e – Ke	quirements and characteristic of a Quality auditor.				
TImite 5		Environmental Management Suiter		10	1	
Unit:5	N 4	Environmental Management System gement System (EMS) – Meaning & Definition – Elemen			ho	urs

Ber	efits of EMS - Environmental Policies - Implementation of ISO 14000 - Study on other									
mai	nagement systems: SA8000, OHSAS 18000, WRAP.									
	Total Lecture hours     60 hours									
Tex	t Book(s)									
1	Statistical Methods, Dr. S.P.Gupta, Vikas Publication, 2012.									
2	Quality Control Handbook, J.M. Juran, McGraw Hill Publications, 2007.									
3	Statistic, V.K.Kapoor, Sultan Chand & Sons Publications, 2017.									
Ref	erence Books									
1	Total Quality Management – Bhaskar, S - Anuradha Publications, Kumbakonam, 2011.									
2	Total Quality Management – Shridhara Bhat, K -, Himalaya Publishing Corporation New									
	Delhi, 2009.									
3.	Handbook of Total Quality Management - Armstrong, Jaico Publications, New delhi,									
	2009.									
Rel	ated Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]									
1	https://asq.org/quality-resources/total-quality-management									
2	https://www.investopedia.com/terms/t/total-quality-management-tqm.asp									
3	https://managementhelp.org/quality/total-quality-management.html									
Coι	urse Designed By: Dr.K.Prabha Kumari									

Mappi	Mapping with Programme Outcomes											
COs	PO1	PO2	PO3	PO4	PO5	PO6	<b>PO7</b>	PO8	PO9	PO10		
CO1	М	L	L	М	М	S	L	М	М	S		
CO2	М	L	L	L	М	S	L	М	М	S		
CO3	L	L	М	L	М	S	L	М	М	S		
CO4	Μ	М	L	L	М	S	L	М	М	S		
CO5	L	L	L	L	М	S	L	М	М	S		

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Course Code	53D	GARMENT COSTING	L	Т	Р	С			
Core		Paper XIII	4	-	-	4			
Pre-requisite		Basic Knowledge in Costing	Sylla Versi		2021 2022				
<b>Course Object</b>	ives:								
To Facilitate be	etter und	erstanding of apparel Costing and Budgeting.							
Expected Cou	rse Out	comes:							
On the success	ful comp	bletion of the course, student will be able to:							
1 Remember the Cost accounting and Cost elements.									
2 Understan	nd the C	ost elements involved in fabric and apparel Costing.			K2				
		taining apparel product standard that maximise qua strictions.	lity w	hile	K3				
4 Analyze t	he princ	iples of Costing the Garments.			K4				
processin									
K1 - Remembe	r; K2 - 1	Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; H	<b>X6</b> – C	reate					
	18		3						
Unit:1									
Principles of (		Principles of Costing - requirements of good Costing system - Cost un lirect material Cost - direct expenses - direct wages -	-	pes		osts			
Principles of - Elements of indirect expense	Co <mark>st -</mark> d es - ind		indire	/pes ct ma	of Co	osts			
Principles of ( - Elements of indirect expens production - to	Co <mark>st -</mark> d es - ind	- requirements of good Costing system - Cost un lirect material Cost - direct expenses - direct wages - irect labour - overheads prime Cost - work Cost - C INCO terms & its relationship with Costing.	indire	ypes ct ma	of Conterial	osts s -			
Principles of 0 - Elements of indirect expens production - tot Unit:2	Cost - d bes - ind tal Cost.	<ul> <li>requirements of good Costing system - Cost un lirect material Cost - direct expenses - direct wages - irect labour - overheads prime Cost - work Cost - C INCO terms &amp; its relationship with Costing.</li> </ul>	indire Cost of	/pes ct ma 12	of Conterial	osts s -			
Principles of 0 - Elements of 0 indirect expens production - to <b>Unit:2</b> Budgeting: The	Cost - d ees - ind tal Cost. e budge	- requirements of good Costing system - Cost un lirect material Cost - direct expenses - direct wages - irect labour - overheads prime Cost - work Cost - C INCO terms & its relationship with Costing.	indirec Cost of	/pes ct ma 12 y- F	of Conterial	osts s - ours			
Principles of 0 - Elements of indirect expens production - too <b>Unit:2</b> Budgeting: The vs. variable bud Actual Cost.	Cost - d ees - ind tal Cost. e budge	<ul> <li>requirements of good Costing system - Cost un lirect material Cost - direct expenses - direct wages - irect labour - overheads prime Cost - work Cost - C INCO terms &amp; its relationship with Costing.</li> <li>Budgeting</li> <li>ting process: Budgeting principles for the apparel in laster budget-laminations of budgets- any justification expenses.</li> </ul>	indirec Cost of	ypes ct ma 12 y- F Plant	of Conterial	osts s - <b>urs</b> 7s			
Principles of 0 - Elements of 0 indirect expense production - too Unit:2 Budgeting: The vs. variable bud Actual Cost. Unit:3	Cost - d les - ind tal Cost. e budge dget - M	<ul> <li>requirements of good Costing system - Cost un lirect material Cost - direct expenses - direct wages - irect labour - overheads prime Cost - work Cost - Cost INCO terms &amp; its relationship with Costing.</li> <li>Budgeting         ting process: Budgeting principles for the apparel i laster budget-laminations of budgets- any justification expenses     </li> </ul>	indirec Cost of Industr	ypes ct ma 12 y- F Plann 12	of Conterial	osts s - <b>urs</b> 7s			
Principles of 0 - Elements of 0 indirect expense production - too Unit:2 Budgeting: The vs. variable bud Actual Cost. Unit:3 Cost estimation Fabric types, y	Cost - d ees - ind tal Cost. e budge dget - M	<ul> <li>requirements of good Costing system - Cost un lirect material Cost - direct expenses - direct wages - irect labour - overheads prime Cost - work Cost - C INCO terms &amp; its relationship with Costing.</li> <li>Budgeting</li> <li>ting process: Budgeting principles for the apparel in laster budget-laminations of budgets- any justification expenses.</li> </ul>	indirectors of of the second s	ypes ct ma 12 y- F Plant 12 sting	of Conterial ho ixed ned V ho	osts s - <b>urs</b> v <b>urs</b>			
Principles of 0 - Elements of 0 indirect expense production - too Unit:2 Budgeting: The vs. variable buo Actual Cost. Unit:3 Cost estimation Fabric types, y packing, forwa	Cost - d ees - ind tal Cost. e budge dget - M	<ul> <li>requirements of good Costing system - Cost un lirect material Cost - direct expenses - direct wages - irect labour - overheads prime Cost - work Cost - Cost INCO terms &amp; its relationship with Costing.</li> <li>Budgeting</li> <li>ting process: Budgeting principles for the apparel is laster budget-laminations of budgets- any justification experimentation of Cost</li> <li>knitted fabric, dyeing, printing &amp; finishing. Woven Fabres sumption, weaving price Cost estimation for cutting, shipping, and insurance.</li> </ul>	indirectors of cost of industr effort -	ypes ct ma 12 y- F Plant 12 sting g, ch	of Conterial ho ixed med V ho : neckir	osts s - <b>urs</b> /s ug,			
Principles of 0 - Elements of 0 indirect expense production - too Unit:2 Budgeting: The vs. variable bud Actual Cost. Unit:3 Cost estimation Fabric types, y packing, forwa	Cost - d ees - ind tal Cost. e budge dget - M n of yarn varn con rding, sh	- requirements of good Costing system - Cost un lirect material Cost - direct expenses - direct wages - irect labour - overheads prime Cost - work Cost - Cost INCO terms & its relationship with Costing.           Budgeting           ting process:         Budgeting principles for the apparel i laster budget-laminations of budgets- any justification e           Estimation of Cost         Noven Fabric           knitted fabric, dyeing, princing & finishing. Woven Fabric         Stimation for cutting, stipping, and insurance.           Estimation of Factory Cost         Estimation of Factory Cost	indirec Cost of Industr effort - pric Co stitchin	ypes ct ma 12 y- F Plann 12 sting g, ch 12	of Conterial ho ixed ned V ho	osts s - <b>urs</b> /s ug,			
Principles of 0 - Elements of 0 indirect expense production - too Unit:2 Budgeting: The vs. variable bud Actual Cost. Unit:3 Cost estimation Fabric types, y packing, forwa Unit:4 Estimation of f children's wea	Cost - d ees - ind tal Cost. e budge dget - M a of yarn varn con rding, sh Factory C r, ladies	<ul> <li>requirements of good Costing system - Cost un lirect material Cost - direct expenses - direct wages - irect labour - overheads prime Cost - work Cost - Cost INCO terms &amp; its relationship with Costing.</li> <li>Budgeting</li> <li>ting process: Budgeting principles for the apparel is laster budget-laminations of budgets- any justification experimentation of Cost</li> <li>knitted fabric, dyeing, printing &amp; finishing. Woven Fabres sumption, weaving price Cost estimation for cutting, shipping, and insurance.</li> </ul>	indirec Cost of industr effort - pric Co stitchin	ypes ct ma 12 y- F Plant 12 sting g, ch 12 nas,	of Conterial ho ixed med V ho : heckir ho	osts s - urs ⁄s ug,			
Principles of 0 - Elements of 0 indirect expense production - too Unit:2 Budgeting: The vs. variable bud Actual Cost. Unit:3 Cost estimation Fabric types, y packing, forwa Unit:4 Estimation of f children's wea	Cost - d ees - ind tal Cost. e budge dget - M a of yarn varn con rding, sh Factory C r, ladies	<ul> <li>requirements of good Costing system - Cost un lirect material Cost - direct expenses - direct wages - irect labour - overheads prime Cost - work Cost - C INCO terms &amp; its relationship with Costing.</li> <li>Budgeting</li> <li>ting process: Budgeting principles for the apparel i laster budget-laminations of budgets- any justification e</li> <li>Estimation of Cost</li> <li>, knitted fabric, dyeing, printing &amp; finishing. Woven Fabres sumption, weaving price Cost estimation for cutting, stipping, and insurance.</li> <li>Estimation of Factory Cost</li> <li>Cost for Woven &amp; Knitted - vest, briefs , shorts, t-shirts a wear, Woven Shirt, Woven Tops &amp; Bottom. Variot</li> </ul>	indirec Cost of industr effort - pric Co stitchin	ypes ct ma 12 y- F Plant 12 osting g, ch 12 mas, ctors t	of Conterial ho ixed med V ho : heckir ho	osts s - urs //s ug, urs			
Principles of 0 - Elements of 1 indirect expense production - too Unit:2 Budgeting: The vs. variable bud Actual Cost. Unit:3 Cost estimation Fabric types, y packing, forwa Unit:4 Estimation of f children's wea considered in C Unit:5	Cost - d es - ind tal Cost. e budge dget - N a of yarn varn con rding, sh Cactory C r, ladies Costing f	requirements of good Costing system - Cost un lirect material Cost - direct expenses - direct wages - irect labour - overheads prime Cost - work Cost - C INCO terms & its relationship with Costing. Budgeting ting process: Budgeting principles for the apparel i laster budget-laminations of budgets- any justification e Estimation of Cost , knitted fabric, dyeing, printing & finishing. Woven Fab sumption, weaving price Cost estimation for cutting, s hipping, and insurance. Estimation of Factory Cost Cost for Woven & Knitted - vest, briefs , shorts, t-shirts s wear, Woven Shirt, Woven Tops & Bottom. Vario or domestic products & international products.	indirec Cost of Industr effort - oric Co stitchin s, pajan ous fac	ypes ct ma 12 y- F Plant 12 sting g, ch 12 mas, ctors t 12	of Conterial ho ixed med V ho to be ho	osts s - urs //s ug, urs			

pric	cing, conversion Cost pricing, differential Cost pricing ,variable Cost pr	icing, direct						
-	st pricing derivation of Cost of apparel products-woven/knits							
	Total Lecture hours	60 hours						
Te	xt Book(s)							
1	Cost Accounting, S.P.Jain and KL. Narang, Kalyani Publishers, New Delh	ni.Edn.2005.						
2	Cost Accounting, R.S.N. Pillai and V. Bagavathi, Publishers, S. Chand and Company							
	Ltd., New Delhi.Edn.2004.							
3	Apparel Costing, A functional Approach – Krishnakumar, M, Abishek	Publications,						
	Chandigargh, 2012.							
	and the second							
Re	ference Books							
1	Garment Manufacturing Technology, Rajkishore Nayak, Rajiv Padhye, W	oodhead Publication,						
	2015.							
2	Apparel Costing, Andrea Kennedy, Andrea Reyes, Francesco Venezia, Bloc	om Bury Publication,						
	2020.							
Re	lated Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]							
1	https://www.textiletoday.com.bd/fashion-merchandising-garment-Costin	<u>g/</u>						
2	https://www.fibre2fashion.com/industry-article/7159/garment-Costing-te	chniques						
3	https://textilecalculation.blogspot.com/2014/11/calculation-of-garment-C	Costing.html						
1	Service and Service and							
Co	urse Designed By: Mr.V.Rajendran							
		Concerning and the second s						

100	2			-		-		3		7	
Mapping with Programme Outcomes											
COs	<b>PO1</b>	PO2	PO3	PO4	PO5	PO6	<b>PO7</b>	PO8	<b>PO9</b>	PO10	
CO1	М	М	М	М	M	S	S	S	S	М	
CO2	Μ	М	М	M	М	S	S	S	S	М	
CO3	М	М	М	М	L	S	S	S	S	М	
CO4	М	L	L	2 L.I.	L	S	S	S	S	М	
CO5	М	М	М	М	М	S	S	S	S	М	

	53P	COMPUTER AIDED DESIGNING	L	Т	Р	С
Core		Practical VI	-	-	5	3
Pre-requisite		Basic Knowledge in CAD	Sylla Vers		2021 – 2022	
Course Objecti	ives:	I				
The student sho		made to:				
• ]	Гo train	the students in CAD used for pattern making of garmer	nts.			
		sed to presentation and visualization tools.				
	1					
Expected Cour	se Out	comes:				
On the successf	ul com	pletion of the course, student will be able to:				
1 Remember planning au	-	cal experience on pattern making of different wears nization.	and m	naker	K1	
	_	AD Operations.			K2	
		amming design methods for program development.			K3	
		in the computer.			K4	
5 Understand	l Fit and	alysis of the given pattern.	ð.		K2	
		Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate;	<mark>K6 – (</mark>	Creat	e	
× 4	1 1	Experiments		75	5 ho	urs
4. Makin 5. Estim	ng Marl ating la	erns on different size scale. ker plan for cutting fabrics. y length and calculating marker efficiency.	age /		7	
1. Men's	s Basic	f the given pattern.	1			
		Co.	J.			
2. Ragla	n with I	T Shirt	Part of the second			
2. Ragla 3. Men's		T Shirt Pocket	and the second sec			
-	s Polo 7	T Shirt Pocket T Shirt	and the second sec			
3. Men's 4. Men's	s Polo I s Trous	T Shirt Pocket T Shirt				
3. Men's 4. Men's 5. Men's	s Polo T s Trous s T-Shii	T Shirt Pocket T Shirt er				
3. Men's 4. Men's 5. Men's	s Polo 7 s Trouse s T-Shin s Inner	T Shirt Pocket T Shirt er rt with hood				
3. Men's 4. Men's 5. Men's 6. Men's	s Polo 7 s Trouse s T-Shin s Inner 9	T Shirt Pocket T Shirt er rt with hood				
<ol> <li>3. Men's</li> <li>4. Men's</li> <li>5. Men's</li> <li>6. Men's</li> <li>7. Briefs</li> </ol>	s Polo 7 s Trous s T-Shii s Inner s s Skirt	T Shirt Pocket T Shirt er rt with hood Garment – Vests RN / RNS				
<ol> <li>3. Men's</li> <li>4. Men's</li> <li>5. Men's</li> <li>6. Men's</li> <li>7. Briefs</li> <li>8. Ladie</li> <li>9. Wome</li> </ol>	s Polo 7 s Trous s T-Shin s Inner s s Skirt en's Nig	T Shirt Pocket T Shirt er rt with hood Garment – Vests RN / RNS				
<ol> <li>3. Men's</li> <li>4. Men's</li> <li>5. Men's</li> <li>6. Men's</li> <li>7. Briefs</li> <li>8. Ladie</li> <li>9. Wom</li> <li>10. Kid'</li> </ol>	s Polo 7 s Trouse s T-Shin s Inner s s Skirt en's Nig s Wear	T Shirt Pocket T Shirt er rt with hood Garment – Vests RN / RNS				
<ol> <li>Men's</li> <li>Men's</li> <li>Men's</li> <li>Men's</li> <li>Men's</li> <li>Briefs</li> <li>Ladie</li> <li>Wom</li> <li>Kid'</li> </ol>	s Polo 7 s Trous s T-Shin s Inner s Skirt en's Nig s Wear s Wear	T Shirt Pocket T Shirt er rt with hood Garment – Vests RN / RNS ghtwear – Romber				
<ol> <li>Men's</li> <li>Men's</li> <li>Men's</li> <li>Men's</li> <li>Men's</li> <li>Briefs</li> <li>Ladie</li> <li>Wom</li> <li>Kid'</li> </ol>	s Polo 7 s Trous s T-Shin s Inner s Skirt en's Nig s Wear s Wear	T Shirt Pocket T Shirt er rt with hood Garment – Vests RN / RNS ghtwear – Romber – A Line frock Suits and Pyjama				
<ol> <li>Men's</li> <li>Men's</li> <li>Men's</li> <li>Men's</li> <li>Men's</li> <li>Briefs</li> <li>Ladie</li> <li>Wom</li> <li>Kid'</li> </ol>	s Polo 7 s Trous s T-Shin s Inner s Skirt en's Nig s Wear s Wear	T Shirt Pocket T Shirt er rt with hood Garment – Vests RN / RNS ghtwear – Romber – A Line frock		75	5 ho	ur

	Software, Woodland Publishing Itd, 2012.							
2	Advances in Apparel Production, Catherine Fairhurst, Woodhead Publications, 2008.							
Reference Books								
1	CAD/CAM, Mikell P.Groover, E- Book, Pearson Publications, 1983.							
2	Apparel Production Management, Dr.K.Prabha Kumari and D.Anita Rachel .,Karangal							
	Publication,ISBN:978-81-93623-99-2, 2018							
Rela	ated Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]							
1	https://www.techopedia.com/definition/2063/computer-aided-design-cad							
2	https://www.inc.com/encyclopedia/computer-aided-design-cad-and-computer-aided-cam.html							
3	https://www.autodesk.com/solutions/cad-software							
-								

Course Designed By: P.Sanakarakarthikeyan

Mappi	Mapping with Programme Outcomes												
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10			
CO1	L	M	М	М	L	L	S	S	М	S			
CO2	L	М	М	М	М	L	S	S	M	S			
CO3	L	М	М	М	L	L	S	S	М	S			
<b>CO4</b>	М	M	М	М	L	L	S	S	М	S			
CO5	L	М	М	М	М	L	S	S	М	S			

Соц	rse Code	5ZV	EX	PORT SAMI				L	Т	Р	C
						<u>「PROJEC</u> 」 Subject III	Γ		-		
Skill	ed Based Su	ıbject		-	-	5	3				
Pre-1	requisite		Basic Develo	Knowledge pment	e in	Apparel	Product	Sylla Vers		2021 2022	-
Cour	rse Objectiv	ves:									
of fał	To train the tra		-	ort sampling a	and app	arel product	developme	ent inc	lude	s sourc	cing
Expe	ected Cours	e Outcom	les:		20						
On th	ne successfu	l completi	on of the	course, stude	ent will	be able to:					
1	Remember	r practical	experier	ice on Yarn a	nd Fab	rics	100			K1	
2	Understan	d and Sou	rce the fa	bric and desi	gn the	apparel for s	pecific end	uses.		K2	
3	Apply goo	d progran	nming de	sign methods	for pro	gram develo	opment.			K3	
4	Analyze th	ne Sewing	process	and finish the	appare	l for specific	c end uses.			K4	
5	Understan	d Export s	sampling	and apparel p	oroduct	developmer	nt			K2	
K1 -				K3 - Apply; I				<u> X6 – (</u>	Creat	e	
		100						the second se			
				10 10	1			1			
				EXPERI will be give so they have	en and	asked to D			les a	C	the
Speedeta deta (Tota ( Mer Nec Garri / La	cification gi iils for the V 1. Yarn De 2. Yarn Co 3. Fabric D 4. Size Det 5. Factory of tally 6 Export en's Basic T n's Boxer Sl k Shirt / M ment: Briefs adies Skirt V	iven below iva Presentails & Consumption Details – D Cails Cost of Ga tr Orders & F Shirt / Mentails Cost / Mentails South Inn With Pleat	w and al ntation. ompositic n per Gar esign, GS arment & 6 Expo Men's Cro n's Bermo ar Neck S her Waist s / Ladie	will be give so they have n	en and to pre Etc., Related t / Mer Ien's Tr Inner er Wais adies B	asked to D pare a Rep to Following a's Polo T S rouser / Mer Garment – ` t Band of Va asic Bodice	g Styles Sha hirt / Men' n's Full Arr Vests Rn / arious Mod	ning Ill Be s Hig n Shii Rns / els - T	les a the dive h Ne rt / N Mer Trunk	s per follow n) ck Shi Ien's ' 1's Un a Type	the ing rt / V – der
Speedeta deta (Tota ( Mer Nec Garri / La	cification gi iils for the V 1. Yarn De 2. Yarn Co 3. Fabric D 4. Size Det 5. Factory of tally 6 Export en's Basic T n's Boxer Sl k Shirt / M ment: Briefs adies Skirt V	iven below iva Presentails & Consumption Details – D Cails Cost of Ga tr Orders & F Shirt / Mentails Cost / Mentails South Inn With Pleat	w and al ntation. ompositic n per Gar esign, GS arment & 6 Expo Men's Cro n's Bermo ar Neck S her Waist s / Ladie	will be give so they have n ment SM, Machine rt Enquiries F w Neck Shin ida Short / M Shirt / Men's Band or Oute s Blouse / La	en and to pre Etc., Related t / Mer Ien's Tr Inner er Wais adies B byjama)	asked to D pare a Rep to Following a's Polo T S rouser / Mer Garment – V t Band of Va asic Bodice	g Styles Sha hirt / Men' n's Full Arn Vests Rn / arious Mod / Women's	ning Ill Be s Hig n Shii Rns / els - T	les a the Give h Ne rt / N Mer Trunk nties	s per follow n) ck Shi Ien's V n's Un a Type / Kid'	the ing rt / V – der s
Spea deta (Tot ( Mar Nec Gar / La Wea	cification gi iils for the V 1. Yarn De 2. Yarn Co 3. Fabric D 4. Size Det 5. Factory of tally 6 Export en's Basic T n's Boxer Sl k Shirt / Mo ment: Briefs adies Skirt V ar of Various	iven below iva Presentails & Consumption Details – D Cails Cost of Ga tr Orders & F Shirt / Mentails Cost / Mentails South Inn With Pleat	w and al ntation. ompositic n per Gar esign, GS arment & 6 Expo Men's Cro n's Bermo ar Neck S her Waist s / Ladie	will be give so they have n ment SM, Machine rt Enquiries F w Neck Shin ida Short / M Shirt / Men's Band or Oute s Blouse / La	en and to pre Etc., Related t / Mer Ien's Tr Inner er Wais adies B byjama)	asked to D pare a Rep to Following a's Polo T S rouser / Mer Garment – ` t Band of Va asic Bodice	g Styles Sha hirt / Men' n's Full Arn Vests Rn / arious Mod / Women's	ning Ill Be s Hig n Shii Rns / els - T	les a the Give h Ne rt / N Mer Trunk nties	s per follow n) ck Shi Ien's ' 1's Un a Type	the ing rt / V – der s
Spee deta (Tot ( Mer Nec Gar / La Wea	cification gi iils for the V 1. Yarn De 2. Yarn Co 3. Fabric D 4. Size Det 5. Factory ( tally 6 Export en's Basic T n's Boxer Sl k Shirt / M ment: Briefs adies Skirt V ar of Various Book(s) The Impa	iven below iva Presentails & Consumption Details & Consumption Details - D Cost of Ga rt Orders & rt Or	w and al ntation. omposition n per Gar esign, GS arment & 6 Expo Arn's Cro a's Bermo ar Neck S ar Neck S ar Neck S ar Vaist s / Ladie Children'	will be give so they have n ment SM, Machine rt Enquiries F ew Neck Shir ida Short / M Shirt / Men's Band or Oute s Blouse / La s Suits And P	en and to pre Etc., Celated at / Mer Ien's Tr Inner er Wais adies B Cyjama) To	asked to D pare a Rep to Following a's Polo T S rouser / Mer Garment – ' t Band of Va asic Bodice tal Lecture	g Styles Sha hirt / Men' n's Full Arn Vests Rn / arious Mod / Women's hours	ning ning s Hig n Shin Rns / els - T s Nigl	les a the Give h Ne rt / N Men Trunk nties 75	s per follow n) ck Shi Aen's Vn a's Un a Type. / Kid' 5 ho	the ing rt / V – der s <b>urs</b>

	Published by Magic world of textiles, 2012.
Refe	erence Books
1	Apparel Merchandising by R. Rathinamoorthy and R. Surjit, Woodhead Ltd publication,
	2017.
2	Advances in Apparel Production, Dr Catherine Fairhurst, Woodhead Publishing Series in
	Textiles, 2008.
3	Related Articles, Journals and Magazines.
4	Review of Tech-Pack and Order sheets.
Rela	ted Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]
1	https://www.fibre2fashion.com/industry-article/6969/sampling-in-garment-exports-and-its-
	<u>importance</u>
2	https://clothingindustry.blogspot.com/2018/09/sampling-process-apparel-industry.html
3	http://textilemerchandising.com/garments-sampling-process/
Com	se Designed Ry. Mr D Anita Rachel

Mappi	Mapping wit <mark>h Progra</mark> mme Outcomes													
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10				
CO1	S	S	S	S	S	S	S	S	S	S				
CO2	S	S	S	S	S	S	S	S	S	S				
CO3	S	S	S	S	S	S	S	S	S	S				
CO4	S	S	S	S	S	S	S	S	S	S				
CO5	S	S	S	S	S	S	S	S	S	S				



<b>Course Code</b>	63A	INTERNATIONAL TRADE AND DOCUMENTATION	L	Т	Р	C
Core		Paper XIV	4			3
Pre-requisite		Basic Knowledge in International trade	Sylla		2021	-
	4•	\ \	Versi	on	2022	
Course Objec		a duras and do sum antation formalities are a aritical name	f Lat			
2	-	cedures and documentation formalities are a critical part of				
documentation	-	. This subject aims at imparting knowledge of trade p ties.	oroce	aures	and	
Expected Cou						
	-	pletion of the course, student will be able to:				
1 Remember of the second secon		valuate and justify the various documents for processing e	expor	t and	K1	
2 Understa	nd the in	nplications of foreign trade policy.			K2	
		nplications in the area of exports and imports.			K3	
		s the various terms and conditions of export finance.			K4	
		mparting knowledge of trade procedures and documentation	on		K2	
formaliti				<u>h</u>	A	
KI - Remembe	er; <b>K2</b> -	Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6	$\mathbf{D} - \mathbf{C}$	reate	122	
	Sea.	The set of the part of the set		255	10	
Unit:1		Firm Establishment		12	- hou	Irs
		roduction – export promotion councils and their role – regi			1	
	- C	-IE code - RBI code - garment classification and cate	egori	es fo	or	
various countr	ies – quo	eta <mark>– quota distribution methods – quota transfer.</mark>	1	r r		
	- 23		1	11		
Unit:2	1	Foreign Trade Documents	r		- hou	
Horeign trade		nts: need, rationale and types of documents relating to g	Joour	, 11		
packing note shipping bill documents rel	and list – cart ti ating to – bank	– certificate of origin – certificate relating to shipments icket – certificate of measurement – bill of lading – payment – letter of credit – types of L/C - bill of exc certificate for payment – document relating to inspectio her forms.	– m air chang	way ge –	bill letter	of
packing note shipping bill documents rel hypothecation inspection – G	and list – cart ti ating to – bank	acket – certificate of measurement – bill of lading – payment – letter of credit – types of L/C - bill of exc certificate for payment – document relating to inspectio her forms.	– m air chang	way ge – certif	bill letter ficate	of of
packing note a shipping bill documents rel hypothecation inspection – G Unit:3	and list – cart ti ating to – bank P and oth	acket – certificate of measurement – bill of lading –         payment – letter of credit – types of L/C - bill of exc         certificate for payment – document relating to inspectio         her forms.	– m air chang on –	way ge – certif	bill letter ficate	of of
packing note shipping bill documents rel hypothecation inspection – G Unit:3 Import proced	and list – cart ti ating to – bank P and oth ure : im	icket – certificate of measurement – bill of lading –         payment – letter of credit – types of L/C - bill of exc         certificate for payment – document relating to inspectio         her forms.         Import Procedure         port license – procedure for import license – import trade	– m air chang on – o de co	way ge – certif 12 ontrol	bill letter ficate	of of urs
packing note shipping bill documents rel hypothecation inspection – G Unit:3 Import proced regulation proc	and list – cart ti ating to – bank P and oth ure : im cedure –	acket – certificate of measurement – bill of lading –         payment – letter of credit – types of L/C - bill of exc         certificate for payment – document relating to inspectio         her forms.         Import Procedure         port license – procedure for import license – import tradispecial schemes – replenishment license – advance license	– m air chang on – o de co	way ge – certif 12 ontrol	bill letter ficate	of of urs
packing note shipping bill documents rel hypothecation inspection – G Unit:3 Import proced regulation proc	and list – cart ti ating to – bank P and oth ure : im cedure –	icket – certificate of measurement – bill of lading –         payment – letter of credit – types of L/C - bill of exc         certificate for payment – document relating to inspectio         her forms.         Import Procedure         port license – procedure for import license – import trade	– m air chang on – o de co	way ge – certif 12 ontrol	bill letter ficate	of of
packing note shipping bill documents rel hypothecation inspection – G Unit:3 Import proced regulation proc	and list – cart ti ating to – bank P and oth ure : im cedure –	acket – certificate of measurement – bill of lading –         payment – letter of credit – types of L/C - bill of exc         certificate for payment – document relating to inspectio         her forms.         Import Procedure         port license – procedure for import license – import tradispecial schemes – replenishment license – advance license	– m air chang on – o de co	way ge – certif <u>12</u> ontrol olit up	bill letter ficate	of of urs
packing note a shipping bill documents rel hypothecation inspection – G Unit:3 Import proced regulation proc – spares for aff Unit:4	and list – cart ti ating to – bank P and oth ure : im cedure – ter sales	acket – certificate of measurement – bill of lading –         payment – letter of credit – types of L/C - bill of exc         certificate for payment – document relating to inspectio         her forms.         Import Procedure         port license – procedure for import license – import trad         special schemes – replenishment license – advance license         service license – code number – bill of entry.	– m air chang on – o de co	way ge – certif 12 ontrol olit up 12	<ul> <li>bill</li> <li>letter</li> <li>ficate</li> <li> ho</li> <li>o licer</li> <li> ho</li> </ul>	of of urs
packing note a shipping bill documents rel hypothecation inspection – G Unit:3 Import proced regulation proc – spares for aff Unit:4 Shipment and	and list – cart ti ating to – bank P and oth ure : im cedure – ter sales	acket – certificate of measurement – bill of lading –         payment – letter of credit – types of L/C - bill of exc         certificate for payment – document relating to inspectio         her forms.         Import Procedure         port license – procedure for import license – import trad         special schemes – replenishment license – advance license         service license – code number – bill of entry.         Shipment A n d C u stom s	- m air chang on de co e - sp ange	way ge – certif 12 ontrol olit up 12 form	<pre>bill letter ficate ho lice ho nalitie</pre>	of of urs nse
packing note a shipping bill documents rel hypothecation inspection – G Unit:3 Import proced regulation proc – spares for aff Unit:4 Shipment and Preshipment d	and list – cart ti ating to – bank P and oth ure : im cedure – ter sales customs: ocument	acket – certificate of measurement – bill of lading –         payment – letter of credit – types of L/C - bill of exc         certificate for payment – document relating to inspectio         her forms.         Import Procedure         port license – procedure for import license – import trad         special schemes – replenishment license – advance license         service license – code number – bill of entry.         Shipment A n d C u s t o m s         Preshipment inspection and quality control – foreign exchange	- m air chang on - de co e - sp ange of ex	way ge – certif 12 ontrol olit up 12 form	<ul> <li>bill</li> <li>letter</li> <li>ficate</li> <li> ho</li> <li>bilicer</li> <li> ho</li> <li>balitie</li> <li>cargo</li> </ul>	of of urs nse

Uni	it:5	Payment And Deliveries	12 hours
Pay	ment and d	eliveries: terms of delivery – INCO terms – EXW – FCA – F	OB – CFR – CIF –
		DDP - DDU. Terms of payment - open account - cheque - c	
		ank payment against documents (LC) - security and Cost of var	rious payment terms
– A	ssessing the	e risk in payment – role of ECGC and standard policy.	
		Total Lecture hours	60 hours
Tex	t Book(s)		
1		al Trade and Documentation, Edward G Hinkelman, Publish	er: World Trade Press
	2001.		
2		e Your Export Paper Work, Bose. A., Published by Internation	onal Trade Form,Oct
-	Dec 1965.		-
3	Export and	I Import Management, Aseem Kumar, Excel Publications, 2007	/
Dof	erence Boo	lzo	
1	-	port Procedures and Documentation, Thomas E. Johnson and I blishers, 2010.	Jonna L.Bade, Harper
2	Hand Boo	k Of Import And Export Procedures, by Ajay Srivastava, Pu	blished by Govt. Of
	India: 201	5.	
Rel		e Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	-	ww.businessmanagementideas.com/international-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-definitional-trade/list-of-def	ocuments-used-in-
	internatio	onal-trade-business/17403	
2	-	ooks.lpude.in/management/mba/term	
3	-	delogistics.co.za/wp-content/uploads/2016/09/Documents-used	l-in-International-
	Trade.pd	<u>f</u>	
Cou	urse Design	ed By: Dr.N.Sivakumar	

Mappi	Mapping with Programme Outcomes													
COs	PO1	PO2	PO3	PO4	PO5	PO6	<b>PO7</b>	PO8	PO9	PO10				
CO1	М	М	М	L	М	М	М	S	S	S				
CO2	М	М	М	М	М	М	М	S	S	S				
CO3	М	М	М	М	М	М	М	S	S	S				
CO4	М	М	М	М	М	М	М	S	S	S				
CO5	М	М	М	L	М	М	М	S	S	S				

<b>Course Code</b>	63B	APPAREL RETAILING	L	Т	P	С
Core		Paper XV	4	-	-	4
Pre-requisite		Basic Knowledge in Annarel Markets	Sylla Versi		202 202	
Course Object	tives:					
To Introduce s in Apparel Indu		s to the concept of Retail, Retailing strategies and legal issue	ies of	f Reta	ail se	ctor
<b>Expected Cou</b>	rse Out	tcomes:				
On the success	ful com	pletion of the course, student will be able to:				
		have knowledge on Retail Management, types of re tail management.	etaili	ng,	K1	
		Customers and to reach the Market Targets.			K2	
		ing strategies.			K3	
		ail operations.			K4	
5 Analyze	the Reta	ail Brands and Branding.			K4	
		Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6	6 – C	reate		
Unit:1		Retail & Retailing		12	ho	iirc
CIIICI	5	0		14		uis
	ili <mark>ng —</mark> I	Meaning & definition – Scope of apparel retailing – Retailir	ng te	- C.		
Retail & Reta		Meaning & definition – Scope of apparel retailing – Retailir nd retail formats – Global retailing scenario – Retailing sce		ermin	ologi	es
Retail & Reta	tail <mark>ers a</mark>	nd retail formats – Global retailing scenario – Retailing sce		ermin	ologi	es
Retail & Reta – Types of ret	tail <mark>ers a</mark>	nd retail formats – Global retailing scenario – Retailing sce		ermin	ologi	es
Retail & Reta – Types of ret	tail <mark>ers a</mark>	nd retail formats – Global retailing scenario – Retailing sce		ermine io in	ologi	es 
Retail & Reta – Types of ret Functions of r <b>Unit:2</b>	tail <mark>ers a</mark> retailers	nd retail formats – Global retailing scenario – Retailing sce	enari	ermine io in 12	ologi India ho	es –
Retail & Reta – Types of ret Functions of r <b>Unit:2</b> Retail strategie	tailers a retailers	nd retail formats – Global retailing scenario – Retailing sce	enari macy	ermine io in <u>12</u> - y – G	ologi India ho rowt	es – ours
Retail & Reta – Types of ret Functions of r <b>Unit:2</b> Retail strategies strategies – Ma	tailers a retailers s : Ope arket ex	nd retail formats – Global retailing scenario – Retailing scenario Retail Strategies rational excellence , Product differentiation, Customer intir	enari macy – Si	ermine io in 12 y – G tore c	ologi India ho rowthesign	es 
Retail & Reta – Types of ret Functions of r <b>Unit:2</b> Retail strategie strategies – Ma Store design &	etailers a retailers es : Ope arket ez z retaili	nd retail formats – Global retailing scenario – Retailing sce Retail Strategies rational excellence , Product differentiation, Customer intin xpansion strategies – Store planning – Location planning ing image mix – Space mix – Effective retail space man	enari macy – Si	ermine io in 12 y – G tore c	ologi India ho rowthesign	es 
Retail & Reta – Types of ret Functions of r Unit:2 Retail strategie strategies – Ma Store design & layout – Floor	etailers a retailers es : Ope arket ez z retaili	Retail Strategies Retail Strat	enari macy – Si	ermine io in 12 y - G tore c ment	ologi India ho rowtl lesign – Ste	es <b>Durs</b> h n – ore
Retail & Reta – Types of ret Functions of r <b>Unit:2</b> Retail strategies strategies – Ma Store design & layout – Floor s <b>Unit:3</b>	tailers a etailers es : Ope arket ez z retaili space m	Retail Strategies Retail Strategies rational excellence , Product differentiation, Customer intin xpansion strategies – Store planning – Location planning ing image mix – Space mix – Effective retail space man hanagement Retail Merchandising	enari macy – St nager	ermine io in 12 y - G tore c ment 12	ologi India ho rowth lesign - Sto	es <b>Durs</b> h n – ore
Retail & Reta – Types of ret Functions of r <b>Unit:2</b> Retail strategie strategies – Ma Store design & layout – Floor s <b>Unit:3</b> Retail merchan	tailers a retailers es : Ope arket es tretaili space m dising -	Retail Strategies         rational excellence , Product differentiation, Customer intir         xpansion strategies – Store planning – Location planning         ing image mix – Space mix – Effective retail space man         nanagement         Retail Merchandising         – Merchandise planning – Merchandise hierarchy – Buying	enari macy – Si nager func	ermine io in $12 \cdot y - G$ tore c ment $12 \cdot y$ ction	ologi India ho rowtl lesigi ho ho	es – <b>ours</b> h n – ore <b>ours</b>
Retail & Reta – Types of ret Functions of r <b>Unit:2</b> Retail strategies strategies – Ma Store design & layout – Floor s <b>Unit:3</b> Retail merchan Category mana	tailers a retailers es : Ope arket ez z retaili space m adising - agement	Retail formats – Global retailing scenario – Retailing scenario         Retail Strategies         rational excellence , Product differentiation, Customer intinkpansion strategies – Store planning – Location planning ing image mix – Space mix – Effective retail space man hanagement         Retail Merchandising         – Merchandise planning – Merchandise hierarchy – Buying t – Mark up & Mark down – Shrinkage in merchandising	macy – St nager func	ermine io in 12 y - G tore c ment 12 ction anage	ologi India ho rowth design ho  emen	es 
Retail & Reta – Types of ret Functions of r Unit:2 Retail strategies strategies – Ma Store design & layout – Floor s Unit:3 Retail merchan Category mana Gross margin	tailers a retailers es : Ope arket ex z retaili space m dising - agement return	Retail Strategies         rational excellence , Product differentiation, Customer intir         xpansion strategies – Store planning – Location planning         ing image mix – Space mix – Effective retail space man         nanagement         Retail Merchandising         – Merchandise planning – Merchandise hierarchy – Buying	macy – St nager func	ermine io in 12 y - G tore c ment 12 ction anage	ologi India ho rowth design ho  emen	es – ours h 1 – ore ours t –
Retail & Reta – Types of ret Functions of r <b>Unit:2</b> Retail strategies strategies – Ma Store design & layout – Floor s <b>Unit:3</b> Retail merchan Category mana	tailers a retailers es : Ope arket ex z retaili space m dising - agement return	Retail formats – Global retailing scenario – Retailing scenario         Retail Strategies         rational excellence , Product differentiation, Customer intinkpansion strategies – Store planning – Location planning ing image mix – Space mix – Effective retail space man hanagement         Retail Merchandising         – Merchandise planning – Merchandise hierarchy – Buying t – Mark up & Mark down – Shrinkage in merchandising	macy – St nager func	ermine io in 12 y - G tore c ment 12 ction anage	ologi India ho rowth design ho  emen	es – ours h 1 – ore ours t –
Retail & Reta – Types of ret Functions of r Unit:2 Retail strategies strategies – M. Store design & layout – Floor s Unit:3 Retail merchan Category mana Gross margin apparel industr	tailers a retailers es : Ope arket ex z retaili space m dising - agement return	Retail Strategies         rational excellence , Product differentiation, Customer intinxpansion strategies – Store planning – Location planning ing image mix – Space mix – Effective retail space man anagement         Retail Merchandising         – Merchandise planning – Merchandise hierarchy – Buying t – Mark up & Mark down – Shrinkage in merchandisin on inventory – Supply chain management in apparel ret	macy – St nager func	ermine io in 12 y - G tore c ment 12 ction anage ng -	ologi India ho rowth lesign ho  emen ERP	es 
Retail & Reta – Types of ret Functions of r Unit:2 Retail strategie strategies – Ma Store design & layout – Floor s Unit:3 Retail merchan Category mana Gross margin apparel industr Unit:4	tailers a retailers es : Ope arket ex z retaili space m dising - agement return y.	Ind retail formats – Global retailing scenario – Retailing scenario         Retail Strategies         rational excellence , Product differentiation, Customer intig         xpansion strategies – Store planning – Location planning         ing image mix – Space mix – Effective retail space man         nanagement         Retail Merchandising         - Merchandise planning – Merchandise hierarchy – Buying         t – Mark up & Mark down – Shrinkage in merchandisin         on inventory – Supply chain management in apparel ret	enari macy – Si nager func ng m tailir	ermine io in 12 y - G tore c ment 12 ction anage 12 12	ologi India ho rowtl lesign ho ERP ho	es – ours h n – ore ours t – in
Retail & Reta – Types of ret Functions of r Unit:2 Retail strategies strategies – Ma Store design & layout – Floor s Unit:3 Retail merchan Category mana Gross margin apparel industr Unit:4 Retail operatio	tailers a etailers es : Ope arket ez z retaili space m dising - agement return y.	Ind retail formats – Global retailing scenario – Retailing scenario         Retail Strategies         Retail Strategies         rational excellence , Product differentiation, Customer intink transion strategies – Store planning – Location planning ing image mix – Space mix – Effective retail space man anagement         Retail Merchandising         – Merchandise planning – Merchandise hierarchy – Buying t – Mark up & Mark down – Shrinkage in merchandisin on inventory – Supply chain management in apparel ret         Retail Operations         gnificant areas – Store operating parameters related to cust	enari macy – St nagen func ag m tailir	ermine io in 12 y - G tore c ment 12 ction anage 1g - 12 ers, s	ologi India ho rowtl design Sto ho ERP ho tocks	es 
Retail & Reta – Types of ret Functions of r Unit:2 Retail strategie strategies – Ma Store design & layout – Floor s Unit:3 Retail merchan Category mana Gross margin apparel industr Unit:4 Retail operatio space, employe	tailers a etailers es : Ope arket ex z retaili space m dising - agement return y.	Ind retail formats – Global retailing scenario – Retailing scenario         Retail Strategies         rational excellence , Product differentiation, Customer inting the parameters – Store planning – Location planning ing image mix – Space mix – Effective retail space man the product differentiation and the planning – Merchandise hierarchy – Buying t – Mark up & Mark down – Shrinkage in merchandisin on inventory – Supply chain management in apparel retail on inventory – Supply chain management in apparel retail on inventory – Supply chain management in apparel retail on inventory – Supply chain management in apparel retail on inventory – Supply chain management in apparel retail on inventory – Supply chain management in apparel retail on inventory – Supply chain management in apparel retail on inventory – Supply chain management in apparel retail on inventory – Supply chain management in apparel retail on inventory – Supply chain management in apparel retail on inventory – Supply chain management in apparel retail on inventory – Supply chain management in apparel retail on inventory – Supply chain management in apparel retail on inventory – Supply chain management in apparel retail on inventory – Supply chain management in apparel retail on inventory – Supply chain management in apparel retail personnel – Manpower planning – Type approximation on inventory – Supply chain management in apparel retail personnel – Manpower planning – Type approximation on inventory – Supply chain management in apparel retail personnel – Manpower planning – Type approximation on inventory – Supply chain management in apparel retail personnel – Manpower planning – Type approximation of the provement of	enari macy – Si nager func ng m tailir stom	ermine io in 12 y - G tore c ment 12 ction anage anage 12 ers, s of em	ologi India ho rowtl lesign ho ERP ho tocks	es - ours h n - ore ours t - in ours s, eees
Retail & Reta – Types of ret Functions of r Unit:2 Retail strategies strategies – Ma Store design & layout – Floor s layout – Floor s Unit:3 Retail merchan Category mana Gross margin apparel industr Unit:4 Retail operatio space, employed in retail – Ren	tailers a retailers as : Ope arket ez z retaili space m dising - agement return y. ns – Si pee, finar nunerati	Ind retail formats – Global retailing scenario – Retailing scenario         Retail Strategies         Retail Strategies         rational excellence , Product differentiation, Customer intink transion strategies – Store planning – Location planning ing image mix – Space mix – Effective retail space man anagement         Retail Merchandising         – Merchandise planning – Merchandise hierarchy – Buying t – Mark up & Mark down – Shrinkage in merchandisin on inventory – Supply chain management in apparel ret         Retail Operations         gnificant areas – Store operating parameters related to cust	enari macy – Si nager func ng m tailir stom	ermine io in 12 y - G tore c ment 12 ction anage anage 12 ers, s of em	ologi India ho rowtl lesign ho ERP ho tocks	es - ours h n - ore ours t - in ours s, eees
Retail & Reta – Types of ret Functions of r Unit:2 Retail strategies strategies – Ma Store design & layout – Floor s Unit:3 Retail merchan Category mana Gross margin apparel industr Unit:4 Retail operatio space, employed in retail – Ren	tailers a retailers as : Ope arket ez z retaili space m dising - agement return y. ns – Si pee, finar nunerati	Retail Strategies         rational excellence , Product differentiation, Customer inting         xpansion strategies – Store planning – Location planning         ing image mix – Space mix – Effective retail space man         nanagement         Retail Merchandising         - Merchandise planning – Merchandise hierarchy – Buying         t – Mark up & Mark down – Shrinkage in merchandisin         on inventory – Supply chain management in apparel ret         Retail Operations         gnificant areas – Store operating parameters related to cus         nce – Managing retail personnel – Manpower planning – Ty         non structure – Visual Merchandising (VM): Definition &	enari macy – Si nager func ng m tailir stom	ermine io in 12 y - G tore c ment 12 ction anage anage 12 ers, s of em	ologi India ho rowtl lesign ho ERP ho tocks	es - ours h n - ore ours t - in ours s, eees
Retail & Reta – Types of ret Functions of r Unit:2 Retail strategies strategies – Ma Store design & layout – Floor s Unit:3 Retail merchan Category mana Gross margin apparel industr Unit:4 Retail operatio space, employed in retail – Ren	tailers a retailers as : Ope arket ez z retaili space m dising - agement return y. ns – Si pee, finar nunerati	Retail Strategies         rational excellence , Product differentiation, Customer inting         xpansion strategies – Store planning – Location planning         ing image mix – Space mix – Effective retail space man         nanagement         Retail Merchandising         - Merchandise planning – Merchandise hierarchy – Buying         t – Mark up & Mark down – Shrinkage in merchandisin         on inventory – Supply chain management in apparel ret         Retail Operations         gnificant areas – Store operating parameters related to cus         nce – Managing retail personnel – Manpower planning – Ty         non structure – Visual Merchandising (VM): Definition &	enari macy – Si nager func ng m tailir stom	ermine io in 12 y - G tore c ment 12 ction anage ng - 12 ers, s of em eanin	ologi India ho rowtl lesign ho ERP ho tocks	es - ours h n - ore t - in ours s, eees /M
Retail & Reta – Types of ret Functions of r Unit:2 Retail strategie strategies – Ma Store design & layout – Floor s Unit:3 Retail merchan Category mana Gross margin apparel industr Unit:4 Retail operatio space, employed in retail – Ren Techniques – E Unit:5	tailers a retailers etailers es : Ope arket ez arket ez a	Retail Strategies         Retail Strategies         rational excellence , Product differentiation, Customer inting the space of the s	enari macy – St nagen func ig m tailir stom /pes &	ermine io in 12 y - G tore c ment 12 ction anage anage 12 ers, s of em eanin 12	ologi India ho rowtl lesigi ho emen ERP ho tocks ploya g - V	es 

1 F G 2 A	Book(s) Retail Management – Functional Principles & Practices", Jaico Bibson G. Vedamani, 2012. Art of Retailing, Arun Mahabharata, Lotus Book Publication Press, New I	Books Publications,
6 2 A	Gibson G. Vedamani, 2012 .	Books Publications,
2 A		
	Art of Retailing, Arun Mahabharat <mark>a, Lotus Book Publication P</mark> ress, New I	
3 F		Delhi, 2008.
	Fundamentals of Retailing – Madan, Tata McGraw Hill Education, New D	Delhi, 2009.
Refer	ence Books	
1 R	Retailing Management, Levy, McGraw Hill Education, Diamond Publicat	ions, Delhi, 2018
2 F	Fashion Retailing, Dimitri Koumb's, Bloombury Publiser, 2014.	6
Relate	ed Online <mark>Contents</mark> [MOOC, SWAYAM, NPTEL, Web <mark>site</mark> s e <mark>tc.]</mark>	
1	https://www.marketresearchreports.com/apparel-retailing	N 4
2 1	https://smallbusiness.chron.com/analysis-retail-apparel-industry-70514.h	tml
3	https://www.marketresearch.com/Consumer-Goods-c1596/Consumer-Go	ods-Retailing-
	c80/Apparel-Retailing-c1093/	

Mappi	Mapping with Programme Outcomes													
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	<b>PO8</b>	PO9	PO10				
CO1	М	L	М	М	М	S	S	S	S	М				
CO2	М	L	М	М	М	S	S	S	S	М				
CO3	М	М	М	inder Later	L	S	S	S	S	М				
CO4	М	L	L	L	L	S	S	S	S	М				
CO5	М	М	М	М	М	S	S	S	S	М				

Course Code	63C	ENTREPRENEURSHIP AND S BUSINESS DEVELOPMEN	L	Т	Р	C	
Core		Paper XVI		4	-	-	3
Pre-requisite		Basic Knowledge in Entrepreneuria	al Career	Sylla Versi		2021 2022	_
Course Object	ives:						
*		es an understanding of the scope of	an entrepr	eneur,	key	areas	of
•	• •	nce by the institutions, methods of tax	-		•		
1 /		•					
Expected Cou	rse Outcomes						
On the success	ful completion	of the course, student will be able to:					
1 Remember	er the entrepre	eurial skills essential for the successfu	ul launch ar	nd scal	ing-	K1	
	enterprise. 🖌				U		
2 Understa	and the scope	f an entrepreneur.	100			K2	
		evelopment of a new concern.	3			K3	
	-	repreneurial career.	- 3			K4	
	the Business F					K4	
•		tand; <b>K3</b> - Apply; <b>K4</b> - Analyze; <b>K5</b> -	Evaluate; I	<mark>X6 – C</mark>	reate		
		A DESCRIPTION OF A DESC		-			
				1			
Entrepreneursh Classification a	and Types of	Entrepreneurshi p d Definitions; Entrepreneurship and Ed Entrepreneurs; Entrepreneurial Compe	etencies; Fa	actor A	ffecti	ng	
Entrepreneursh Classification a Entrepreneurial Training; Traits	and Types of I Growth – E	p d Definitions; Entrepreneurship and Ed Entrepreneurs; Entrepreneurial Compe onomic, Non-Economic Factors; EDP n Entrepreneurs; Entrepreneur; Manag	et <mark>encies;</mark> Fa Programm	actor A nes; Er	ment; Affecti htrepro ur.	ng eneur	ial
Classification a Entrepreneurial Training; Traits <b>Unit:2</b>	and Types of l Growth – E s/Qualities of	p d Definitions; Entrepreneurship and Ed Entrepreneurs; Entrepreneurial Compe- pnomic, Non-Economic Factors; EDP n Entrepreneurs; Entrepreneur; Manag Entrepreneurial Opportunity	etencies; Fa Programm er Vs. Entre	actor Anes; Er	ment; Affecti atrepro ur. 12	ng eneur hou	ial
Entrepreneursh Classification a Entrepreneurial Training; Traita <b>Unit:2</b> Opportunity / 1	and Types of I Growth – E s/Qualities of Identification	p d Definitions; Entrepreneurship and Ed Entrepreneurs; Entrepreneurial Compe- ponomic, Non-Economic Factors; EDP n Entrepreneurs; Entrepreneur; Manag Entrepreneurial Opportunity and Product Selection: Entrepreneuri	etencies; Fa Programm ger Vs. Entro ial Opportu	actor Anes; Ereprene	ment; Affection treprodur. 12 Gearch	ng eneur hou and	ial rs
Entrepreneursh Classification a Entrepreneurial Training; Traits <b>Unit:2</b> Opportunity / J Identification;	and Types of I Growth – E s/Qualities of Identification Criteria to Se	p d Definitions; Entrepreneurship and Ed Entrepreneurs; Entrepreneurial Compe- pnomic, Non-Economic Factors; EDP n Entrepreneurs; Entrepreneur; Manag Entrepreneurial Opportunity	etencies; Fa Programm ger Vs. Entro ial Opportu	actor Anes; Ereprene	ment; Affection treprodur. 12 Gearch	ng eneur hou and	ial rs
Entrepreneursh Classification a Entrepreneurial Training; Traits <b>Unit:2</b> Opportunity / J Identification;	and Types of I Growth – E s/Qualities of Identification Criteria to Se	p d Definitions; Entrepreneurship and Ed Entrepreneurs; Entrepreneurial Compe- ponomic, Non-Economic Factors; EDP n Entrepreneurs; Entrepreneur; Manag Entrepreneurial Opportunity and Product Selection: Entrepreneuri	etencies; Fa Programm ger Vs. Entro ial Opportu	actor Anes; Ereprene	ment; Affection treprodur. 12 Gearch	ng eneur hou and	ial rs
Entrepreneursh Classification a Entrepreneurial Training; Traits <b>Unit:2</b> Opportunity / J Identification; Sources of Info	and Types of I Growth – E s/Qualities of Identification Criteria to Se	p d Definitions; Entrepreneurship and Ed Entrepreneurs; Entrepreneurial Compe- ponomic, Non-Economic Factors; EDP n Entrepreneurs; Entrepreneur; Manag Entrepreneurial Opportunity and Product Selection: Entrepreneuri ect a Product; Conducting Feasibility	etencies; Fa Programm ger Vs. Entro ial Opportu	actor Anes; Ereprene	ment; Affection ur. <b>12</b> Gearch Final	ng eneur hou and izatio	ial rs on;
Entrepreneursh Classification a Entrepreneurial Training; Traits <b>Unit:2</b> Opportunity / 1 Identification; Sources of Info <b>Unit:3</b>	and Types of I Growth – E s/Qualities of Identification Criteria to Se ormation.	p d Definitions; Entrepreneurship and Ed Entrepreneurs; Entrepreneurial Compe- ponomic, Non-Economic Factors; EDP n Entrepreneurs; Entrepreneur; Manag Entrepreneurial Opportunity and Product Selection: Entrepreneuri ect a Product; Conducting Feasibility Enterprises	etencies; Fa P Programm ger Vs. Entro ial Opportu 7 Studies; F	actor A nes; Er eprene unity S Project	ment; Affection ur. 12 bearch Final	ng eneur hou and izatio	ial rs on;
Entrepreneursh Classification a Entrepreneurial Training; Traita Unit:2 Opportunity / 1 Identification; Sources of Info Unit:3 Small Enterprise	and Types of Growth – E s/Qualities of Identification Criteria to Se ormation.	p d Definitions; Entrepreneurship and Ed Entrepreneurs; Entrepreneurial Compe- ponomic, Non-Economic Factors; EDF n Entrepreneurs; Entrepreneur; Manag Entrepreneurial Opportunity and Product Selection: Entrepreneuri ect a Product; Conducting Feasibility Enterprises ise Launching Formalities : Definition	etencies; Fa Programm ger Vs. Entro ial Opportu / Studies; F	actor A nes; Er eprene mity S Project cale; F	ment; Affection treprodur. 12 Gearch Final 12- Ration	ng eneur hou and izatio ho ale;	ial rs on; urs
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Uni	it:5	<b>Incentives And Subsidies</b>	12	hours
Ince	entives and	subsidies - Subsidied services - subsidy for market. Transpo	rt – seed ca	pital
Ass	istance – Ta	axation benefits to SSI role of entrepreneur in export promotion	and import	
sub	stitution.			
		<b>Total Lecture hours</b>	60	hours
Tex	t Book(s)	· · · · · · · · · · · · · · · · · · ·		
1	Small-Sca House, De	le Industries and Entrepreneurship, Desai, Vasant, Himalaya Pulhi, 2003	ublishing	
2	Entreprene	eurship Management, Kaulgud, Aruna, Vikas Publishing House, D	Delhi, 2003	
3	Entrepren P v t and	eurship Ideas in Action. Cynthia, L, Publishing House Greene Ltd.,Singapore, 2004.	e Thomson	Asia
4	Entreprene 93-8770-0	eurship Development by Dr.K.Prabha Kumari, Kongunadu Publi 9-7, 2017.	ication ISBN	: 978-
Ref	erence Boo	ks		
1	Entreprene	eurial Success: A Psychological Study, Chandra, Ravi, Sterling P	ublication	
	Pvt.Ltd., N	lew Delhi, 2003.		
2	1	eu <mark>rsh</mark> ip Development: An Analytical Study, Balaraju, T H <mark>ous</mark> e, Uttam Nagar, New Delhi, 2004.	heduri Aka	insh a
5				â.
Rel	ated Onlin	e Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		
1	https://ww	ww.researchgate.net/publication/259843889		3
2	https://stu	dy.com/directory/category/Business/Entrepreneurship_and_Sma	ll_Business_	Devel
	opment.h	t <u>ml</u>	8 / 7	
3	https://nc	ert.nic.in/textbook/pdf/kebs109.pdf	3 / 1	
	N		37	
Cou	irse Designe	ed By: P.Sanakarakarthikeyan	8	

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Mappi	Mapping with Programme Outcomes													
COs	<b>PO1</b>	PO2	PO3	PO4	PO5	PO6	<b>PO7</b>	<b>PO8</b>	PO9	<b>PO10</b>				
CO1	М	М	М	М	М	М	М	М	М	S				
CO2	М	М	М	М	М	М	М	М	М	S				
CO3	М	М	М	М	M	M	М	М	М	S				
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CO5	М	М	М	М	M	M	М	М	М	S				

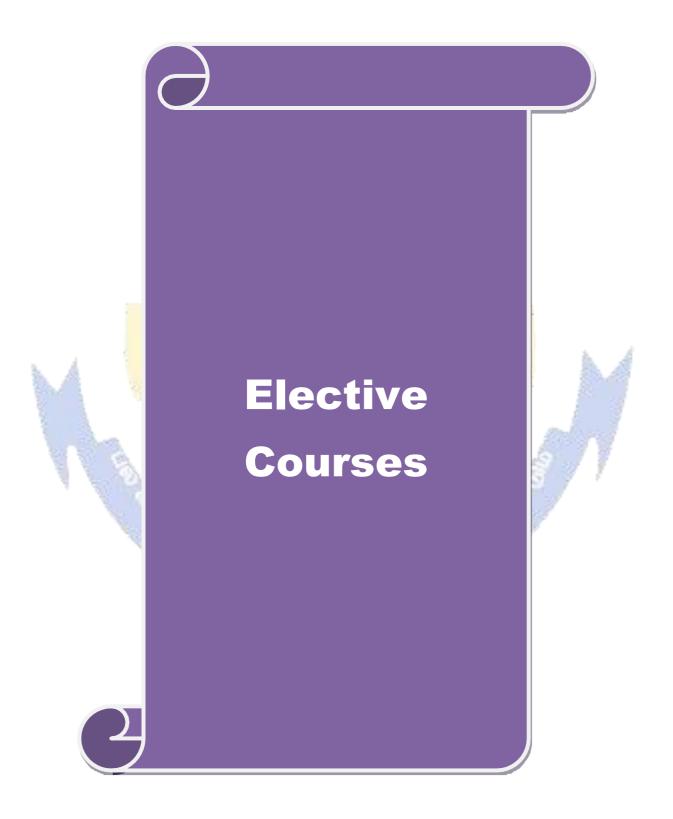
*S-Strong; M-Medium; L-Low

Co	ourse Code	6ZV				PROJE	ECT			L	Т	Р	C
Skill Based Subject Pre-requisite			Skill Based Subject IV					-	-	10	3		
			Basic Knowledge in To Develop new Research and Apparel Product					Syllabus Version		2021 - 2022			
Cot	ırse Objectiv	es:	1										
	To Train	the stude	ents in	develop	a Resea	rch Proje	cts and A	Articles.					
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Rel	lated Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]
1	https://www.researchgate.net/publication/316023695
2	https://link.springer.com/article/10.1186/s40691-015-0039-4
3	https://clothingindustry.blogspot.com/2018/09/product-development-process-apparel.html
Cou	urse Designed By: Mrs.D.Anita Rachel

Mappi	ng with	Program	me Out	comes	÷.	3				
COs	PO1	PO2	PO3	PO4	PO5	<b>PO6</b>	PO7	PO8	PO9	PO10
CO1	S	S	S	S	S	S	S	S	S	S
CO2	S	S	S	S	S	S	S	S	S	S
CO3	S	S	S	S	S	S	S	S	S	S
CO4	S	S	S	S	S	S	S	S	S	S
CO5	S	S	S	S	S	S	S	S	S	S





	rse Code	5EA	FASHION AND APPAREL MARKETING	L	Т	Р	C	
Elec	ctive		Paper I A	4	-	-	4	
Pre	-requisite		Basic Knowledge in Marketing	Sylla Vers		202 202		
Cou	rse Object	tives:						
The	main objec	ctives of	this course are to:					
To ] mar]		wledge	on principles marketing, marketing research. Domesti	c and	interr	nation	nal	
<b>F</b>								
-	ected Cou							
			bletion of the course, student will be able to:			K1		
1 Remember the factors affecting domestic and international market.								
2	Understand on Principles of marketing.							
3	Apply the latest fashion trends in Apparels.							
4	-		umer behaviours.			K4		
5	Understa	nd the A	pparel Marketing Strategies.	6		K2	2	
		- 18. -	Understand; <b>K3</b> - Apply; <b>K4</b> - Analyze; <b>K5</b> - Evaluate;	3				
	icture mar				100	ze ai	na	
	rketing env		environment – micro and macro marketing environm nt.		100		10	
ma Uni	rketing env t:2	vironmer	nt. Marketing Function	ent, tr	ends 12-	in - ho	ur	
ma Unit Ma pla fasi	rketing env t:2 rketing fu nning and	nction develop try and	nt.	ent, tr	ends 12- ing, produc	in ho prod ets. T	urs uct The	
ma Unit Ma pla fas rela	rketing env t:2 rketing fu nning and hion indus ated cycles	nction develop try and	nt. Marketing Function – assembling, standardization and grading and poment, importance of fashion products, nature of fas	ent, tr	ends 12- ing, produc fash	in ho prod ets. T	ur: uct The	
ma Unit Ma pla fasl rela <b>Unit</b> Fas Ap	rketing env t:2 rketing fu nning and hion indus ated cycles t:3 shion adver parel mark	rtising and try and	Marketing Function – assembling, standardization and grading and poment, importance of fashion products, nature of fas new product development, product-mix and range pla	ent, tr packagi hion p unning, ising n	ends 12- ing, oroduc fashi 12- nedia	in ho prod ets. T ion a	urs uct The and	
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Un	it:5	Pricing Policies	12 hours
Pri	cing policie	s and strategies for apparel products, Importance of price poli-	cies, Functions and
fac	tors influen	cing pricing - internal and external, pricing strategies for new	products, methods
of	setting price	s.	
		Total Lecture hours	60 hours
Te	xt Book(s)		
1	Marketing	- R S N P illai and Bhagavathi, Published by S Chand and com	pany ltd, New
	Delhi, 198	37.	
2	Fashion B	usiness, Dr.K.Prabha Kumari & D.Anita Rachel .,Abhishek Pub	lications. ISBN:
	978-81-82	47-68-4, 2018.	
3	Marketing	Management, Dr B K Chatterjee Jaico, Juice Publishing house,	Bombay 1982.
4.	Principles	of Marketing, Backman T N, Munard H H and Davidson W R,	Ronald Press
	Company,	New York, 1970.	
Re	ference Boo	oks	
1	Marketin	g Princ <mark>iples an</mark> d methods, Philip C F and Duncon, Irwin Publica	ations,
2	Fashion 1	Marketing, Mike Easey, Published by Black well Science Ltd, 1	995.
Re	lated Onlin	e <mark>Contents</mark> [MOOC, SWAYAM, NPTEL, Websites etc.]	6 4
1	http://con	ntent.inflibnet.ac.in/data-server/eacharya-documents/56b0853a8	ae36ca7bfe81449.
2	https://w	ww.referralcandy.com/blog/fashion-marketing-examples/	100
3	https://w	ww.brandignity.com/fashion-clothing-marketing-services/	
	1. S	A standard and a	ALC: NO
Co	urse Design	ed By: Mrs.D.Anita Rachel	8 11
	1 1000		

Mappi	ng with 1	Program	nme Out	comes			63.	1		
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	<b>PO9</b>	<b>PO10</b>
CO1	L	L	L	L	L	L	S	S	S	S
CO2	М	L	М	М	L	М	S	S	S	S
CO3	L	L	L	L	L	М	S	S	S	S
CO4	М	L	L	М	L	L	S	S	S	S
CO5	L	Μ	Μ	М	L	М	S	S	S	S

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Course Code	5EB	<b>BUSINESS COMMUNICATION</b>	L	Т	Р	С		
Elective		Paper 1 B	4	-	-	4		
Pre-requisite		Basic Knowledge in English	Sylla Vers		202 202			
<b>Course Objec</b>	tives:							
		f this course are to:						
	-	tire listening and speaking skills in both formal and information						
-	develop	their reading skills by familiarizing them with different	nt type	es of	readi	ng		
strategies.								
Expected Cou	rse Ou	tcomes:						
-		pletion of the course, student will be able to:						
1 Rememb	er and t	o speak convincingly.			K1			
2     Understand and express their opinions clearly.								
3 Apply a	nd init	<mark>iate a discussion, negotiate, and argue using</mark> app	ropria	te	K3			
		strategies.						
-	-	skills by familiarizing them with different types of reading	ng		K4			
5 Apply ef		communication in hypinges	2		K3			
		communication in business. Understand; <b>K3 -</b> Apply; <b>K4 -</b> Analyze; <b>K5 -</b> Evaluate; l	<b>X</b> 6 (	Traata				
KI - Kellieliide	51, <b>K</b> 2 -	Understand, KS - Appry, K4 - Anaryze, KS - Evaluate, I	<u>xo – c</u>	Jeale	Å			
Unit:1	22	Meaning Of Communication	-	12-	- ho	urs		
540 B	mmuni	cation – Importance of effective communication in bus	ness					
		Media – Types – Principles, Process and Barriers - N						
barriers. Role	of Engli	sh Language in business communication - The sentence	– Тур	es – '	Verbs	5 —		
Main and auxi	liary –	Agreement of verb and subject – Use of articles and pre	epositi	ons –	"W]	<b>H"</b>		
-		"no" type questions - Punctuation and use of capital le	etters -	– Coi	nmo	n		
errors- words o	often co	nfused – Antonyms- Synonyms.	8					
<b>T</b> T <b>T</b> / <b>A</b>	1		-	- 10				
Unit:2	husing	Functions Of A Business Letter	1		- ho			
		ss letter - Foreign words used in correspondence – The - Orders and execution – Credit and status enquiries.	layot	n pia	mmg	<u> </u>		
Liquites and	repries	orders and execution creat and status enquiries.						
Unit:3		Complaints		12-	- ho	urs		
Complaints –	Collecti	on letters – Circular – Sales letters - Bank and insurance	e corre	spon	dence	e –		
		rrespondence - Agency correspondence - Corresponde						
secretary.								
		Memos and Forms Of Messages			- ho	urs		
Unit:4			_					
Memos and fo		nessages – Office correspondence – Telegrams – E-mail		– Int	ervie	W		
Memos and fo		nessages – Office correspondence – Telegrams – E-mail s – Appointments – Confirmation – Resignation – Repo		– Int	ervie	W		

Uni	it:5	Agenda and Minutes Of Meeting	12 hours
Age	enda and m	inutes of meeting - Advertisement - Speech making - Inter	views- Information
tech	nnology of t	he future - Telex - Teleconferencing - Fax-Internet – Multimedi	ia.
		Total Lecture hours	60 hours
Tex	xt Book(s)		
1	Essentials	of Business communication, Sultan & Chand Publish	er, Rajendra paul,
	Korlahalli	J.S, 2001.	
2	Developin	g Communication Skills, Krishna Mohan, Laxmi Publications,	2009.
Ref	erence Boo	ks	
1	A Remedi	al English Grammar for Foreign Students, F.T.Wood, Publ	ished by Macmilan,
	2014.		-
2	Basic bus	iness communication, Lesikar & Flatiley, Jaico Publications, Ch	nennai, 2004.
3	Business c	communication Strategies, Matha Kutty & Monipally, TBI	H Publications,
	Coimbator	re, 2004.	
			8
Rel	ated Onlin	e Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	-
1	https://ww	ww.nextiva.com/blog/what-is-business-communication.html	
2	https://blo	og.smarp.com/11-reasons-why-business-communication-is-cruc	cial-for-companys-
	success		
3	https://ww	ww.managementstudyguide.com/business_communication.html	1 10
Cou	arse Designe	ed By: Mrs.D.Anita Rachel	21007.00

Mapping with Programme Outcomes											
COs	PO1	PO2	PO3	PO4	PO5	PO6	<b>PO7</b>	PO8	PO9	<b>PO10</b>	
CO1	M	M	М	Μ	М	M	M	S	S	S	
CO2	М	М	М	М	М	М	М	S	S	S	
CO3	М	М	M	М	М	М	М	S	S	S	
<b>CO4</b>	М	М	М	М	М	М	М	S	S	S	
CO5	М	М	М	М	М	М	М	S	S	S	

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Cours	se Code	5EC	<b>CLOTHING CARE</b>		L	Т	Р	С
Electi	ive		Paper I C		4	-	-	4
Pre-r	equisite		Basic Knowledge in Textiles		Sylla Versi		2021 – 2022	
Cours	se Object	tives:			1			
The m	nain objec	ctives of	his course are to:					
			tudents in techniques and machinery for dye	eing and fin	ishing	of ga	rmei	nts
and to	o impart k	nowledg	e on different garment care techniques.					
Fyno	cted Cou	reo Out						
-			etion of the course, student will be able to:					
1		-	reing techniques for apparel and its Finishing	g Process			K1	
	Apply the different finishes on garments.							
	Analyze the Care and its Maintenance of Textiles.							
			and the second second	10				
<b>K1 -</b> I	Remembe	er; <mark>K2</mark> - 1	nderstand; K3 - Apply; K4 - Analyze; K5 -					
			nucisianu, KS - Appiy, K4 - Anaryze, KS -	Evaluate; F	<b>X6 -</b> C1	reate		
			100	Evaluate; F	<b>X6</b> - C1			
Finish	ning Equi	ipments:	Finishing Equipments Study of finishing room equipments - st	eam iron -	stear	<b>12-</b> n bu		-
Finish vacuu form fusing	ning Equi um ironing finisher f	ipments: g tables for jacke es for in	Finishing Equipments	eam iron - r, shirt press equipment f	stear s, colla	12- n bu ar/cuf ishing	isters f pre g roc	ess m
vacuu form fusing	ning Equi im ironing finisher f g maching ning water	ipments: g tables for jacke es for in	Finishing Equipments Study of finishing room equipments - study form finishing equipments - trouser topper s and coats - study of boiler and related e	eam iron - r, shirt press equipment f	stear s, colla	12- n bu ar/cuf ishing meth	isters f pre g roc	ess, m; of
Finish vacuu form fusing soften <b>Unit</b> :2	ning Equi um ironing finisher f g maching ning water 2	ipments: g tables for jacke es for in	Finishing Equipments Study of finishing room equipments - sta form finishing equipments - trouser topper s and coats - study of boiler and related e cerlinings; water treatment plant -soft wat	eam iron - r, shirt press equipment f ter -hard w	stear s, colla for fini vater -	12- n bu ar/cuf ishing meth 12-	isters if pre g roc nods - ho	ess m of
Finish vacuu form fusing soften <b>Unit:</b> Launc	ning Equation in the second se	ipments: g tables for jacke es for in r. ment and	Finishing Equipments Study of finishing room equipments - study form finishing equipments - trouser toppen s and coats - study of boiler and related e terlinings; water treatment plant -soft water Laundry Equipment	eam iron - r, shirt press equipment f ter -hard w aundry reag	stear s, colla for fini ater -	12- n bu ar/cuf ishing meth 12- soaps	isters if pre- g roc nods - ho	ess, m; of
Finish vacuu form fusing soften <b>Unit:</b> Launc deterg	ning Equi um ironing finisher f g maching ning water <b>2</b> dry equipt gents - cl	ipments: g tables for jacke es for in r. ment and eaning a	Finishing Equipments Study of finishing room equipments - sta form finishing equipments - trouser topper s and coats - study of boiler and related e cerlinings; water treatment plant -soft wat Laundry Equipment reagents: Study of laundry equipment and la	eam iron - r, shirt press equipment f ter -hard w aundry reag	stear s, colla for fini ater -	12- n bu ar/cuf ishing meth 12- soaps	isters if pre- g roc nods - ho	ess, m; of
Finish vacuu form fusing soften <b>Unit:</b> Launc deterg gram	ning Equi im ironing finisher f g maching ning water ing water <b>2</b> dry equipt gents - cl - bran sol	ipments: g tables for jacke es for in r. ment and eaning a	Finishing Equipments Study of finishing room equipments - sta form finishing equipments - trouser topper s and coats - study of boiler and related e cerlinings; water treatment plant -soft wat Laundry Equipment reagents: Study of laundry equipment and la ction of soaps, indigenous cleaning agents udy of modern and industrial cleaning agents	eam iron - r, shirt press equipment f ter -hard w aundry reag	stear s, colla for fini ater -	12- n bu ar/cuf ishing meth 12- soaps akai	isters if pre- g roo nods - ho s - - gre	en
Finish vacuu form fusing soften Unit: Launc deterg gram Unit:	ning Equation in the second se	ipments: g tables for jacket es for in r. ment and eaning a ution – s	Finishing Equipments Study of finishing room equipments - study of finishing equipments - trouser toppen s and coats - study of boiler and related e terlinings; water treatment plant -soft wat Laundry Equipment reagents: Study of laundry equipment and la tion of soaps, indigenous cleaning agents udy of modern and industrial cleaning agents Stiffening Agents	eam iron - r, shirt press equipment f ter -hard w aundry reag - rita nut ts.	stear s, colla for fini ater -	12- n bu ar/cuf ishing meth 12- soaps akai	sters f pre g roc nods - ho s - - gre - ho	en
Finish vacuu form fusing soften Unit: Launc deterg gram Unit: Stiffer agents	ning Equi im ironing finisher f g maching ning water 2 dry equipt gents - cl - bran sol 3 ning Age s preparat	ipments: g tables for jacket es for in c. ment and eaning a ution – s ents: Stu	Finishing Equipments Study of finishing room equipments - sta form finishing equipments - trouser topper s and coats - study of boiler and related e cerlinings; water treatment plant -soft wat Laundry Equipment reagents: Study of laundry equipment and la ction of soaps, indigenous cleaning agents udy of modern and industrial cleaning agents	eam iron - r, shirt press equipment f ter -hard w aundry reag - rita nut ts.	stear s, colla for fini rater - gents - - shika ation of eparati	12- n bu ar/cuf ishing meth 12- soaps akai 12- of sti	isters f pre g roo nods - ho s - - gre - ho ffeni f star	en
Finish vacuu form fusing soften Unit: Laund deterg gram Unit: Stiffel agents for us	ning Equi im ironing finisher f g machino ning water 2 dry equipa gents - cl - bran sol 3 ning Age s preparat se - bleach	ipments: g tables for jacket es for in c. ment and eaning a ution – s ents: Stu	Finishing Equipments Study of finishing room equipments - stuform finishing equipments - trouser toppents and coats - study of boiler and related exertinings; water treatment plant -soft wate Laundry Equipment reagents: Study of laundry equipment and late top of soaps, indigenous cleaning agents udy of modern and industrial cleaning agents y of stiffening agents –purpose of stiffeni uses of stiffeners- natural and commercial sta	eam iron - r, shirt press equipment f ter -hard w aundry reag - rita nut ts.	stear s, colla for fini rater - gents - - shika ation of eparati	12- n bu ar/cuf ishing meth 12- soaps akai 12- of sti ion or /hiter	isters f pre g roo nods - ho s - - gre - ho ffeni f star	en ur ng ch
Finish vacuu form fusing soften Unit: Launc deterg gram Unit: Stiffen agents for us Unit:	ning Equation in the second se	ipments: g tables for jacket es for in r. ment and eaning a ution – s ents: Stu ion and ning agen	Finishing Equipments Study of finishing room equipments - sta form finishing equipments - trouser toppen s and coats - study of boiler and related e terlinings; water treatment plant -soft wat  Laundry Equipment reagents: Study of laundry equipment and la tetion of soaps, indigenous cleaning agents udy of modern and industrial cleaning agents udy of stiffening agents –purpose of stiffeni teses of stiffeners- natural and commercial sta s - blueing and tinting agents and their appli	eam iron - r, shirt press equipment f ter -hard w aundry reag a - rita nut ts.	stear s, colla for fini ater - ents - - shika ation o eparati tical w	12- n bu ar/cuf ishing meth 12- soaps akai 12- of sti ion o /hiter 12-	<ul> <li>isters</li> <li>f pregrammed</li> <li>g room</li> <li>nods</li> <li>- ho</li> <li>s -</li> <li>- gree</li> <li>- ho</li> <li>ffening</li> <li>ffening</li> <li>ffening</li> <li>f standard</li> <li>f standard</li> <li>ho</li> </ul>	en ur ng ch
Finish vacuu form fusing soften Unit: Launc deterg gram Unit: Stiffer agents for us Stain	ning Equi im ironing finisher f g machino ning water 2 dry equipu gents - cl - bran sol 3 ning Age s preparat is preparat is - bleach 4 Removal	ipments: g tables for jacket es for in r. ment and eaning a ution – s nts: Stu ion and ning ager	Finishing Equipments Study of finishing room equipments - study of finishing equipments - trouser topper s and coats - study of boiler and related e cerlinings; water treatment plant -soft wat  Laundry Equipment reagents: Study of laundry equipment and la ction of soaps, indigenous cleaning agents udy of modern and industrial cleaning agents udy of stiffening agents –purpose of stiffeni uses of stiffeners- natural and commercial states s - blueing and tinting agents and their applie  Principles of Laundering	eam iron - r, shirt press equipment f ter -hard w aundry reag - rita nut ts. ing-classific tarches - pre- ication – op	stear s, colla for fini- rater - rents - - shika ation of eparati- tical w	12- n bu ar/cuf ishing meth 12- soaps akai 12- of sti ion o /hiter 12- in re	<ul> <li>isters</li> <li>if pregram</li> <li>g room</li> <li>nods</li> <li>- ho</li> <li>6 -</li> <li>- gree</li> <li>- ho</li> <li>ffening</li> <li>ffening</li> <li>ffening</li> <li>ffening</li> <li>ffening</li> <li>ffening</li> <li>ho</li> <li>moving</li> </ul>	en ur ng ch

Un	it:5	Washing Machine	12 hours
Wa	shing Mach	ine And Care Labels: Study of different types of house hold	/industrial washing
Ma	chines- rota	ry -swirling - pressure - tumble wash etc; the various system	ns of care labelling-
was	shing instru	ction. Bleaching instruction-drying instruction-ironing instruct	ion-dry cleaning
inst	ruction. Pla	cement of labels on garments.	
		Total Lecture hours	60 hours
Te	xt Book(s)		
1	Fundamen	tals of Textile and Their Care, Dantyagi S., Published by	Oriental Longmans
	Ltd, New	Delhi, 1996.	
2	Household	I Textiles and Laundry Work, Denlkar, Published by Atma	Ram and
	Sons, Dell	ni, 1993.	
3	Fabric Car	e, Neomi D'Souza, New Age International Publisher, 1998.	
Ref	ference Boo	bks	
1	Laundry a	nd Clothing Care, Davis, Drama Book Publishers, 1995.	
2	Clothing:	Choice, Care, Mary Schenck Woolman, Cost Kessinger Publis	hing, 2004.
	I		1
Re	ated Onlin	e <mark>Contents</mark> [MOOC, SWAYAM, NPTEL, Web <mark>sit</mark> es etc.]	
1	https://ww	ww.coats.com/en/Information-Hub/Care-Labels	1 A
2	https://ww	ww.ezibuy.com/shop/nz/clothing-care	0.4
3	https://ww	ww.arcadiagroup.co.uk/fashion-footprint/product/our-products/	clothing-care-guide
		and the second second	man
Co	urse Designo	ed By: Mrs.D.Anita Rachel	A 17
			SVI
	4 45		201

Mappi	ng with	Program	nme Out	comes	<b>N</b> (1)	and the	100	AS .	1	
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	М	М	М	S	L	M	М	S	S	S
CO2	М	М	М	S	L	М	М	S	S	S
CO3	М	М	М	S	L	М	М	S	S	S
<b>CO4</b>	М	М	М	S	L	М	М	S	S	S
CO5	М	М	М	S	L	М	М	S	S	S

Course Code	6EA	<b>RESEARCH METHODS</b>	L	Т	Р	C		
Elective		Paper II A	4	-	-	4		
Pre-requisite		Basic Knowledge in Statistical tools in problems.	Sylla Versi		2021 2022			
<b>Course Objec</b>	tives:			I				
This Course ai	ms at pi	oviding the required skill to apply the statistical tools in	problei	ns.				
Expected Cou	irse Out	comes:						
On the success	ful com	pletion of the course, student will be able to:						
1 Remem	ber the t	fundamental knowledge of the concepts of probability.			K1			
2 Understand and to have knowledge of standard distributions this can describe real life phenomenon.								
3 Apply t	he statis	tical tools in problems.			K3			
4 Analyze problen		npling distributions and statistical techniques used in n	nanage	ment	K4			
5 Analyze	e the Re	search data's and its Sample size.	8.		K4			
		Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; 1	<mark>K6 – C</mark>	reate	I			
Limitations. T	he Res	ess Research - Research – Definition – Importance earch Process – Problem Identification and Definition Proposal- Ethical issues in Research.		0.00		ind		
Unit:2	3	Research Design	2	12 -	- ho	ur		
Sources and R the Universe a	esearch and Sam	nd Sampling -Scaling Techniques and Attitude Measure - Sample types - Sample size and sampling errors Sam pling Unit- Sampling Frame- Sample Design - Probabil Methods - Sample Size Determination.	ple De	sign:	Defir			
Unit:3		Data Collection And Processing		12-	- ho	urs		
Data Collectio	on and	Processing-Data collection –methods -Primary and Se	conda	y Da	ta- E	Data		
collection - t	ools Qu	estionnaire- Questionnaire Designing and Testing; In	ntervie	w Sc	hedu	le		
Observation N -Editing, Codi		Qualitative Research - Data Collection and Survey Erro lation.	rs – Da	ata Pr	ocess	ing		
Unit:4		Data Analysis		12-	- ho	urs		
Data Analysis	and Sta	tistical Tests-Data Analysis – Test of Significance – Stat	istical	tests -				

Un	it:5	Interpretation And Report Writing	12 hours
Inte	erpretation,	Report Preparation and Presentation-Interpretation and report	rt writing - steps in
wri	ting reports	- layout of report- types and Principles of report writing - Gra	aphical representation
of	esults.		
		Total Lecture hours	60 hours
Te	xt Book(s)		
1	Business I McGraw I	Research Methods, Donald, R. Cooper and Parmela, S. Schindle Hill, 2003.	er, Published by Tata
2	Research Prakashan	Methodology Methods and Techniques, Kothari C.R, Pu ,2004.	blished by Wishwa
3	Marketing Edition, 2	g Research, Malhotra, Naresh K, Published by Pearson Ed 004.	ucation Pvt. Ltd.,4th
Ref	ference Boo	oks	
1	Statistics 1	for Man <mark>agement,</mark> PHI, Delhi, Richard, I Levin, Published by PH	II, Delhi, 2003.
2	_	ent Research Methodology, Krishnaswamy, K.N., Published b	y Pearson Education,
	Delhi, 200	06	
Re	-	e Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	h 4
1	-	ww.alzheimer-europe.org/Research/Understanding-dementia-re	search/Types-of-
1		Research-methods	
2		ww.scribbr.com/category/methodology/	1 1
3	https://gu	iides.lib.vt.edu/researchmethods/design-method	Addres 3
	¥ 8		2
Co	urse Design	ed By: Dr. <mark>K.Prabha Kumari</mark>	S

Mappi	ng with	Program	nme Out	comes		and the second	1	the state		
COs	<b>PO1</b>	PO2	PO3	PO4	PO5	PO6	<b>PO7</b>	PO8	<b>PO9</b>	<b>PO10</b>
CO1	М	М	М	М	М	М	М	S	S	S
CO2	М	М	М	М	М	М	М	S	S	S
CO3	М	М	М	М	М	М	М	S	S	S
CO4	М	М	М	М	М	М	М	S	S	S
CO5	М	М	М	М	М	М	М	S	S	S

Self.

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Course Code	6EB	INDUSTRIAL ENGINEERING TECHNIQUES	L	Т	Р	C	
Elective		Paper II B	4	-	-	4	
Pre-requisite	•	Basic Knowledge in Garment industry.	Sylla Vers		202 202		
Course Obje	ctives:						
The main obj	ectives of	this course are to:					
		udents to learn about Basics of Industrial Engineering. ent tools of industrial engineering and its application in a	appare	l Ind	ustry	•	
Expected Co	urse Outo	comes:					
On the succes	sful comp	letion of the course, student will be able to:					
1 Remer	nber the fo	ollowing methodologies in apparel industry.			K1		
2 Understand the Method study, work measurement.							
3 Apply the Layout study and line balancing.							
4 Analyz							
5 Analyz	the Oper	rations Research Techniques.			K4		
K1 - Remem	oer; K2 - U	<mark>Jnd</mark> erstand; <b>K3</b> - Apply; <b>K4</b> - Analyze <mark>; K5</mark> - Evaluate; F	<b>X6 - C</b> i	reate			
Introduction: facilities, sci Techniques, 1	entific ma	Introduction to Industrial Engineering n, purpose, available techniques, Aspects, physical fac anagement, resources productivity. Work Study: Def idy, work measurement, Purpose of work study, steps, a	inition	& oj 1, obj	ectiv	ng	
facilities, sci Techniques, r phases. <b>Unit:2</b> Method Stud	entific ma nethod stu y: Definit	n, purpose, available techniques, Aspects, physical fac anagement, resources productivity. Work Study: Def	inition and dif	& op , obj feren 12- consic	ectiv t - ho lerati	ng es ur	
Introduction: facilities, sci Techniques, r phases. <b>Unit:2</b> Method Stud about objecti	entific ma nethod stu y: Definit ves, Recor	n, purpose, available techniques, Aspects, physical fac anagement, resources productivity. Work Study: Defined ady, work measurement, Purpose of work study, steps, a Method Study ion, Steps, Selection of problems, Collection of facts	inition and dif	& op , obj feren 12- consic	ectiv t - ho lerati	ng es ur	
Introduction: facilities, sci Techniques, r phases. <b>Unit:2</b> Method Stud about objecti	entific ma nethod stu y: Definit ves, Recor	n, purpose, available techniques, Aspects, physical fac anagement, resources productivity. Work Study: Def ady, work measurement, Purpose of work study, steps, a <u>Method Study</u> ion, Steps, Selection of problems, Collection of facts rding techniques, Elements of a process analysis, Opera	inition and dif	& op , obj feren 12- consic	ectiv t - ho lerati	ng es ur	
Introduction: facilities, sci Techniques, r phases. <b>Unit:2</b> Method Stud about objecti	entific ma nethod stu y: Definit ves, Recor	n, purpose, available techniques, Aspects, physical fac anagement, resources productivity. Work Study: Def ady, work measurement, Purpose of work study, steps, a <u>Method Study</u> ion, Steps, Selection of problems, Collection of facts rding techniques, Elements of a process analysis, Opera	inition and dif	& op a, obj feren 12- consic roces	ectiv t - ho lerati	ng es ur on	
Introduction: facilities, sci Techniques, r phases. Unit:2 Method Stud about objecti Different prod Unit:3 Work Measu Elements in r normal time	entific ma nethod stu y: Definit ves, Recor cess charts urement : ime study , allowand	n, purpose, available techniques, Aspects, physical fac anagement, resources productivity. Work Study: Defined ady, work measurement, Purpose of work study, steps, a Method Study ion, Steps, Selection of problems, Collection of facts rding techniques, Elements of a process analysis, Opera s, Critical examination.	inition and dif and c tion p uring s, obsec otion	& op , obj feren 12- consic roces 12- Instr rved Time	- ho lerati s cha - ho umer time	ng es ur on rt, ur	
Introduction: facilities, sci Techniques, r phases. Unit:2 Method Stud about objecti Different prod Unit:3 Work Measu Elements in r normal time	entific ma nethod stu y: Definit ves, Recor cess charts urement : ime study , allowand	n, purpose, available techniques, Aspects, physical fac anagement, resources productivity. Work Study: Definity, work measurement, Purpose of work study, steps, a Method Study ion, Steps, Selection of problems, Collection of facts rding techniques, Elements of a process analysis, Opera s, Critical examination. Work Measurement Definition ,Uses, Techniques, Time Study, Measu y, factors, alignment chart, Performance rating methods ces, Standard time, Work sampling Predetermined M	inition and dif and c tion p uring s, obsec otion	& op , obj feren 12- consic roces 12- Instr erved Time ment.	- ho lerati s cha - ho umer time	ng es ur on .rt, ur its &	

Un	it:5	<b>Operations Research</b>	12 hours
Op	erations Res	earch: Introduction, concept of optimization, methods of o	perations research,
line	ear program	ming , distribution methods, Assignment models, queuing the	ory, Sequencing
pro	blems, Netw	vork Analysis, Game theory, Replacement analysis, depreciatio	n.
		Total Lecture hours	60 hours
Te	xt Book(s)		
1	Industrial	Engineering and Management by O. P. Khanna, Khanna Public	ations, 2018
2	Textile M	ill Management by O <mark>rmerod, Publi</mark> shed by Nodal Centr	e for Upgradation
	of Textile	Education (NCUTE), 2018.	
3	Engineerin	ng Economics, Kleinfeld, Published by Wiley. 1992.	
Re	ference Boo	ks	
1	Industrial	Engine <mark>ering in</mark> Apparel Manufacturing, Prof. Prabir Jana, Editio	on: 1st
	Publisher:	Apparel Resources Pvt. Ltd, 2018.	
2	Industrial	Engineering in Apparel Production, V.Ramesh Babu, Woodhead	Publications, 2012
		and the second s	
Re	lated Onlin	e Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1		ktilelearner.blogspot.com/2013/09/tools-and-techniques-of-indu	strial html
$\frac{1}{2}$		oiekc.blogspot.com/2012/03/industrial-engineering-principles.h	
2	2	ww.researchgate.net/publication/263065558_Industrial_Engine	all a first second second
5	nd_Appli		<u>ering_reeninques_u</u>
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Co	urse Design	ed By: Mrs.D.Anita Rachel	
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Mappi	ng with ]	Program	nme Out	comes	a nasara	And Street of St	Garden			
COs	PO1	PO2	PO3	PO4	PO5	PO6	<b>PO7</b>	PO8	PO9	PO10
CO1	L	L	L	L	М	М	S	S	S	S
CO2	L	L	М	L	М	М	S	S	S	S
CO3	М	L	L	М	М	М	S	S	S	S
CO4	L	L	L	L	М	М	S	S	S	S
CO5	М	L	М	М	М	М	S	S	S	S

Course Code	6EC	ECO T	EXTILES		L	Т	Р	С	
Elective		Pape	r II C		4	-	-	4	
Pre-requisite		Basic Knowledge in Envi	ronment and Text	iles	Sylla Versi		2021- 2022		
Course Objec	tives:								
The main object	ctives of	his course are to:							
	tudent ad	quire sound knowledge of	the material charac	teristics 1	require	ed for	r EC	0	
clothing.					1 0 1				
-	udent of	the mechanism, chemistry	and evaluation of	chemica	l finis	thes t	or th	le	
ECO textiles.		and in	40						
Exposted Cou	man Out	mage	A Des Ra						
Expected Cou		etion of the course, studen	t will be able to:						
		onmental problems associa		Pesses			K1		
		aterials, mechanism, chem	-	141	garme	nts	K1 K2		
		oducts to fabricate Green		DI LCO	garme	111.5.	K3		
		Management Systems.		38			K4		
		tandard Specifications.					K2		
	. <b>N</b> 4 - 1	nderstand: K.3 - Apply: K4	- Analyze: Ko - Ev	valuate: K	(6 – C	reate			
	, <b>K</b> 2 - (	nderstand; <b>K3 -</b> Apply; <b>K</b> 4	- Analyze; K5 - Ev	valuate; <b>K</b>	10 – C	reate	å		
<b>Unit:1</b> Introduction: N Formaldehyde	Jeed for and Pen	Eco Text co-friendly processing. Per achlorophenol in textiles.	iles sticides in fibres / y Eco Standards And	varns. Her Eco-Lab	avy mo oels: Ii	12 etals, ntrod	hou uctio	n.	
<b>Unit:1</b> Introduction: N Formaldehyde	Veed for and Pen 00, CON	Eco Text co-friendly processing. Pe	iles sticides in fibres / y Eco Standards And	varns. Her Eco-Lab	avy mo oels: Ii	12 etals, ntrod	hou uctio	n.	
Unit:1 Introduction: N Formaldehyde M.S.T., OTN1 on the life cycl	Veed for and Pen 00, CON	Eco Text co-friendly processing. Per achlorophenol in textiles. ITEXTIL and Ecomark s	iles sticides in fibres / y Eco Standards And cheme of India. Cri	varns. Her Eco-Lab	avy mo oels: Ii	12 etals, ntrod o-labe	hou uctio l bas	n. ed	
Unit:1 Introduction: N Formaldehyde M.S.T., OTN1 on the life cycl Unit:2	Need for and Pen 00, CON e	Eco Text co-friendly processing. Per achlorophenol in textiles. ITEXTIL and Ecomark s Eco-Friendly F	iles sticides in fibres / y Eco Standards And cheme of India. Cri Processing	varns. Hea Eco-Lab teria for a	avy mo bels: In an ecc	12 etals, ntrod o-labe	hou uctio el bas	n. ed	
Unit:1 Introduction: N Formaldehyde M.S.T., OTN1 on the life cycl Unit:2 Eco-Friendly P	Need for and Pen 00, CON e Processin	Eco Text co-friendly processing. Per achlorophenol in textiles. ITEXTIL and Ecomark s Eco-Friendly F : Environmental problems	iles sticides in fibres / y Eco Standards And cheme of India. Cri Processing associated with tex	varns. Hea Eco-Lab teria for a	avy mo els: In an ecc	12 etals, ntrod p-labe 12 Appro	hou uctio el bas hou pach	n. ed	
Unit:1 Introduction: N Formaldehyde M.S.T., OTN1 on the life cycl Unit:2 Eco-Friendly P to eco-friendly	Veed for and Pen 00, CON e rocessin process	Eco Text co-friendly processing. Per achlorophenol in textiles. ITEXTIL and Ecomark s Eco-Friendly F	iles sticides in fibres / y Eco Standards And cheme of India. Cri <b>Processing</b> associated with tex adly production, pro	varns. Hea Eco-Lab teria for a tile proces	avy mo pels: In an ecc sses. A nd clo	12 etals, ntrod p-labe 12 Appro othing	hou uctio el bas hou pach	n. ed	
Unit:1 Introduction: N Formaldehyde M.S.T., OTN1 on the life cycl Unit:2 Eco-Friendly P to eco-friendly	Veed for and Pen 00, CON e rocessin process	Eco Text co-friendly processing. Per achlorophenol in textiles. ITEXTIL and Ecomark s Eco-Friendly F : Environmental problems ag – fibre origin, eco- frier	iles sticides in fibres / y Eco Standards And cheme of India. Cri <b>Processing</b> associated with tex adly production, pro	varns. Hea Eco-Lab teria for a tile proces	avy mo pels: In an ecc sses. A nd clo	12 etals, ntrod p-labe 12 Appro othing	hou uctio el bas hou pach	n. ed	
Unit:1 Introduction: N Formaldehyde M.S.T., OTN1 on the life cycl Unit:2 Eco-Friendly P to eco-friendly production. St	Veed for and Pen 00, CON e rocessin process	Eco Text co-friendly processing. Per achlorophenol in textiles. ITEXTIL and Ecomark s Eco-Friendly F : Environmental problems ag – fibre origin, eco- frier	iles sticides in fibres / y Eco Standards And cheme of India. Cri <b>Processing</b> associated with text adly production, pro . Study about Natur	varns. Hea Eco-Lab teria for a tile proces	avy mo pels: In an ecc sses. A nd clo	12 etals, ntrod p-labe 12 Appro othing ng.	hou uctio el bas hou pach	n. ed rs	
Unit:1 Introduction: N Formaldehyde M.S.T., OTN1 on the life cycl Unit:2 Eco-Friendly P to eco-friendly production. St Unit:3 Eco-Managen	Veed for and Pen 00, CON e Processin processin udy abou	Eco Text co-friendly processing. Per achlorophenol in textiles. ITEXTIL and Ecomark s Eco-Friendly P Environmental problems ag – fibre origin, eco- frier organic cotton processing Eco- Manage ntroduction. Preparatio	iles sticides in fibres / y Eco Standards And cheme of India. Cri Processing associated with tex adly production, pro . Study about Natur ment n of Ecology	varns. Hea Eco-Lab teria for a tile processing a al dyes & P o l i c y	avy mo bels: In an ecc sses. A nd clo 2 Dyein y S t a	12 etals, ntrod p-labe 12 Appro othing ng. 12- nt e n	hou uctio el bas hou pach g ho n e n	n. ed rs urs	
Unit:1 Introduction: N Formaldehyde M.S.T., OTN1 on the life cycl Unit:2 Eco-Friendly P to eco-friendly production. St Unit:3 Eco-Managen Organization.	Veed for and Pen 00, CON e Processin processin udy about ment: Systema	Eco Text co-friendly processing. Per achlorophenol in textiles. ITEXTIL and Ecomark s Eco-Friendly F : Environmental problems ag – fibre origin, eco- frier organic cotton processing Eco- Manage ntroduction. Preparation ic review of orders. Purch	iles sticides in fibres / y Eco Standards And cheme of India. Cri rocessing associated with tex adly production, pro . Study about Natur ment n of Ecology hase policy. Assess	varns. Hea Eco-Lab teria for a tile processing a al dyes & P o l i c y	avy mo bels: In an ecc sses. A nd clo 2 Dyein y S t a	12 etals, ntrod p-labe 12 Appro othing ng. 12- nt e n	hou uctio el bas hou pach g ho n e n	n. ed rs urs	
Unit:1 Introduction: N Formaldehyde M.S.T., OTN1 on the life cycl Unit:2 Eco-Friendly P to eco-friendly production. St Unit:3 Eco-Managen Organization.	Veed for and Pen 00, CON e Processin processin udy about ment: Systema	Eco Text co-friendly processing. Per achlorophenol in textiles. ITEXTIL and Ecomark s Eco-Friendly P Environmental problems ag – fibre origin, eco- frier organic cotton processing Eco- Manage ntroduction. Preparatio	iles sticides in fibres / y Eco Standards And cheme of India. Cri rocessing associated with tex adly production, pro . Study about Natur ment n of Ecology hase policy. Assess	varns. Hea Eco-Lab teria for a tile processing a al dyes & P o l i c y	avy mo bels: In an ecc sses. A nd clo 2 Dyein y S t a	12 etals, ntrod p-labe 12 Appro othing ng. 12- nt e n	hou uctio el bas hou pach g ho n e n	n. ed rs urs	
Unit:1 Introduction: N Formaldehyde M.S.T., OTN1 on the life cycl Unit:2 Eco-Friendly P to eco-friendly production. St Unit:3 Eco-Managen Organization. Calibration ar	Veed for and Pen 00, CON e Processin processin udy about ment: Systema	Eco Text co-friendly processing. Per achlorophenol in textiles. ITEXTIL and Ecomark s Eco-Friendly F : Environmental problems ag – fibre origin, eco- frier organic cotton processing Eco- Manage ntroduction. Preparation ic review of orders. Purch ng procedures. Documenta	iles sticides in fibres / y Eco Standards And cheme of India. Cri <b>Processing</b> associated with text adly production, pro . Study about Natur <b>ement</b> n of Ecology hase policy. Assess ation.	varns. Hea Eco-Lab teria for a tile processing a al dyes & P o l i c y	avy mo bels: In an ecc sses. A nd clo 2 Dyein y S t a	12 etals, ntrod o-labe 12 Appro- othing ng. 12- nt e n ers. 7	hou uctio el bas hou pach g ho n e n Festir	n. ed rs urs t.	
Unit:1 Introduction: N Formaldehyde M.S.T., OTN1 on the life cycl Unit:2 Eco-Friendly P to eco-friendly production. St Unit:3 Eco-Managen Organization. Calibration ar	Veed for and Pen 00, CON e Processin processin udy about nent: Systema ad Check	Eco Text co-friendly processing. Per achlorophenol in textiles. ITEXTIL and Ecomark s Eco-Friendly P : Environmental problems ag – fibre origin, eco- frier organic cotton processing Eco- Manage ntroduction. Preparation ic review of orders. Purch ng procedures. Documenta	iles sticides in fibres / y Eco Standards And cheme of India. Cri rocessing associated with tex adly production, pro . Study about Natur ment n of Ecology hase policy. Assess ation.	varns. Hea Eco-Lab teria for a tile proces cessing a al dyes & P o l i c y ment of s	avy mo pels: In an eco sses. A nd clo Dyein y S t a supplio	12 etals, ntrod p-labe 12 Appro othing ng. 12- a t e n ers. 7 12-	hou uctio el bas hou pach g ho n e n Festir	n. ed rs urs t. ng,	
Unit:1 Introduction: N Formaldehyde M.S.T., OTN1 on the life cycl Unit:2 Eco-Friendly P to eco-friendly production. St Unit:3 Eco-Managen Organization. Calibration ar Unit:4 Eco- Audit:	Veed for and Pen 00, CON e Processin processin udy about nent: Systema ad Check	Eco Text co-friendly processing. Pe- achlorophenol in textiles. ITEXTIL and Ecomark s Eco-Friendly F : Environmental problems ag – fibre origin, eco- frier organic cotton processing Eco- Manage ntroduction. Preparation ic review of orders. Purch ng procedures. Documenta Eco- Aud ion. Product audit and	iles sticides in fibres / y Eco Standards And cheme of India. Cri Processing associated with tex adly production, pro . Study about Natur ment n of Ecology hase policy. Assess ttion. it production aud	varns. Hea Eco-Lab teria for a tile process cessing a al dyes & P o l i c y ment of s	avy mo pels: In an ecc sses. A nd clo 2 Dyein y S t a suppli- extile	12 etals, ntrod o-labe 12 Appro othing ng. 12- a t e n ers. 7 12- e inc	hou uctio el bas hou pach g ho restir ho dustr	n. ed rs urs t. ng, urs	
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Unit:1 Introduction: N Formaldehyde M.S.T., OTN1 on the life cycl Unit:2 Eco-Friendly P to eco-friendly production. St Unit:3 Eco-Managen Organization. Calibration ar Unit:4 Eco- Audit: Auditing para Organizations.	Veed for and Pen 00, CON e Processin processin udy about introduction introduction Relation	Eco Text co-friendly processing. Pe- achlorophenol in textiles. ITEXTIL and Ecomark s Eco-Friendly F : Environmental problems ng – fibre origin, eco- frier organic cotton processing Eco- Manage ntroduction. Preparation ic review of orders. Purch ng procedures. Documenta Eco- Aud ion. Product audit and Certification and Labell ship between Eco-labellin	iles sticides in fibres / y Eco Standards And cheme of India. Cri Processing associated with text adly production, pro . Study about Natur ment n of Ecology hase policy. Assess tion. it production aud ing of Eco-Frience g and Eco-manager	varns. Hea Eco-Lab teria for a tile proces cessing a al dyes & P o l i c y ment of s it in tu	avy mo pels: In an eco sses. A nd clo : Dyein y S t a supplic extile iles:	12 etals, ntrod o-labe 12 Appro othing ng. 12- a t e n ers. 7 12- e inc	hou uctio el bas hou pach g ho n e n Festir ductio	n. ed rs urs t . ng, urs	
Unit:1 Introduction: N Formaldehyde M.S.T., OTN1 on the life cycl Unit:2 Eco-Friendly P to eco-friendly production. St Unit:3 Eco-Managen Organization. Calibration an Unit:4 Eco- Audit: Auditing para Organizations. Legislation and	Veed for and Pen 00, CON e Processin processin udy about introduction introduction Relation	Eco Text co-friendly processing. Per achlorophenol in textiles. ITEXTIL and Ecomark s Eco-Friendly F : Environmental problems ag – fibre origin, eco- frier organic cotton processing Eco- Manage ntroduction. Preparation ic review of orders. Purch ng procedures. Documenta Eco- Aud ion. Product audit and Certification and Labell ship between Eco-labellin on packaging and packagi	iles sticides in fibres / y Eco Standards And cheme of India. Cri <b>Processing</b> associated with tex adly production, pro . Study about Natur ment n of Ecology hase policy. Assess ation. it production aud ing of Eco-Frience g and Eco-manager ng waste.	varns. Hea Eco-Lab teria for a tile proces cessing a al dyes & P o l i c y ment of s it in tu	avy mo pels: In an eco sses. A nd clo : Dyein y S t a supplic extile iles:	12 etals, ntrod o-labe 12 Appro- othing ng. 12- a t e n ers. 7 12- a t e n ers. 7	hou uctio il bas hou oach g ho n e n Festir ductio chemo	n. ed rs urs t . ng, urs y. on. es.	
Unit:1 Introduction: N Formaldehyde M.S.T., OTN1 on the life cycl Unit:2 Eco-Friendly P to eco-friendly production. St Unit:3 Eco-Managen Organization. Calibration an Unit:4 Eco- Audit: Auditing para Organizations. Legislation and Unit:5	Veed for and Pen 00, CON e Processin processin udy about introducts introducts Relation i control	Eco Text co-friendly processing. Pe- achlorophenol in textiles. ITEXTIL and Ecomark s Eco-Friendly F : Environmental problems ng – fibre origin, eco- frier organic cotton processing Eco- Manage ntroduction. Preparation ic review of orders. Purch ng procedures. Documenta Eco- Aud ion. Product audit and Certification and Labell ship between Eco-labellin	iles sticides in fibres / y Eco Standards And cheme of India. Cri Processing associated with text adly production, pro . Study about Natur ment n of Ecology hase policy. Assess tion. it production aud ing of Eco-Frience g and Eco-manager ng waste. ard	varns. Hea Eco-Lab teria for a tile process cessing a al dyes & P o l i c y ment of s it in ta lly Texti ment & A	avy mo bels: If an ecc sses. A nd clo 2 Dyein y S t a supplic extile iles: Auditi	12 etals, ntrod p-labe 12 Appro othing ng. 12- a t e n ers. 7 12- e inco introo ng sc 12-	hou uctio el bas hou oach g ho fusti ductio chemo ho	n. ed rs urs t . ng, urs y. on. es.	

	Total Lecture hour	s 60 hours
Tey	xt Book(s)	
1	Eco Textiles, The Textile Institute, Miraftab M and Horrocks A R, W	oodhead Publication
	Limited, Cambridge, 2007.	
2	Eco parameters: Present Status, Susanna Benny and Janakiraman K.P	, Mill Control Report
	o.15, Published by The South India Textile Research Association, Coin	nbatore,1998.
Ref	ference Books	
1	The Gazette of India, Extraordinary, Part II section 3, subsection 11	No 193, Ministry of
	Environment and Forests, Published by Government of India, 1997.	
2	Oko-tex Standard 100, International Association for Research and T	esting in the field of
	Textile Ecology (Oko- tex), Zurich, Switzerland, January, 1997.	
3	Eco Textiles, Miraftab, M, Horrocks, A. Richard, Elisver Publisher, 20	)7.
- 8		
Rel	ated Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://www.textileschool.com/368/what-is-eco-textiles/	mound
2	https://textilelearner.blogspot.com/2014/09/ecotextile-application-or-u	ses-of-ecotextile.html
3	https://www.fibre2fashion.com/industry-article/76/eco-friendly-textile	<u>s</u>
Cou	arse Designed By: Mrs.D.Anita Rachel	110
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Mappi	ng with ]	Program	nme Out	comes	in the second second	5-10IW	91 y	22		
COs	PO1	PO2	PO3	PO4	PO5	PO6	<b>PO7</b>	<b>PO8</b>	PO9	PO10
CO1	М	М	М	S	L	S	L	L	L	S
CO2	М	М	М	S	L	S	L	L	L	S
CO3	М	М	М	S	Μ	S	L	L	Μ	S
CO4	М	М	М	S	L	S	L	L	L	S
CO5	М	М	М	S	L	S	L	М	L	S

Elective	6ED	ERP IN APPAREL INDUSTRY	L	Т	Р	C	
Lieuwe	1	Paper III A	4	-	-	4	
Pre-requisite		Basic Knowledge in Software's in Apparel Industry.	Sylla Versi		202 202		
Course Object	tives:						
The main objec	ctives of	f this course are to:					
		he business functions, Enterprise Resource Planning (ERI	P) is B	usine	ess		
Process Manag	gement S	Software.					
Expected Cou	rso Aut	teomos					
-		pletion of the course, student will be able to:					
		product and service improvement.			K1		
	-	Enterprise Resource Planning and its Functions.			K2		
		f existing product lines.			K3	3	
4 Analyze	the sys	tems and supports new product development.			K4	ŀ	
5 Understa	Understand the Modernize Business System and Processes.						
K1 - Remembe	er; <b>K2</b> -	Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K	<b>K6 - C</b> 1	reate	1		
	1						
Unit:1		Introduction to ERP		12-	- ho	urs	
Introduction: E	E <mark>RP: A</mark> 1	n Overview, enterprise – an overview, types of Enterpri	ses, no	eed f	or El	RP,	
1 N							
Implementation		<b>Implementation of ERP</b> RP: ERP implementation lifecycle, implementation metho		y, hic			
Costs, organiz	ing the	RP: ERP implementation lifecycle, implementation metho implementation, vendors, consultants and users, contra		y, hic	lden		
Implementation Costs, organiz	ing the	RP: ERP implementation lifecycle, implementation metho		y, hic	lden		
Implementation Costs, organiz consultants and	ing the	RP: ERP implementation lifecycle, implementation metho implementation, vendors, consultants and users, contra		y, hic vith v	lden	ors,	
Implementation Costs, organiz consultants and <b>Unit:3</b> The Business I resources, plan	ing the d emplo Module at maint	RP: ERP implementation lifecycle, implementation metho implementation, vendors, consultants and users, contra yees, project management and monitoring.	acts w	y, hic ith v 12- uring,	lden endc - ho	ors, urs	
Implementation Costs, organiz consultants and Unit:3 The Business I resources, plan	ing the d emplo Module at maint	RP: ERP implementation lifecycle, implementation method         implementation, vendors, consultants and users, contra         yees, project management and monitoring.         Business Modules         s: Business modules in an ERP package - finance, mar         enance, materials management, quality management, sale	acts w	y, hic vith v 12- uring, distr	lden endc - ho	urs, urs nan	
Implementation Costs, organiz consultants and <b>Unit:3</b> The Business T resources, plan Significance ar <b>Unit:4</b> ERP in appare demand chain	ing the d emplo Module at maint and advan el indus analysis	RP: ERP implementation lifecycle, implementation metho implementation, vendors, consultants and users, contra yees, project management and monitoring. Business Modules s: Business modules in an ERP package - finance, mar enance, materials management, quality management, sale ntages of each of the modules.	acts w nufactu es and anager Quick	y, hic rith v 12- uring, distr 12- nent Resp	Iden endo - ho , hun ibuti - ho of a	urs nan on. urs	
Implementation Costs, organiz consultants and <b>Unit:3</b> The Business I resources, plan Significance ar <b>Unit:4</b> ERP in appare demand chain	ing the d emplo Module at maint and advan el indus analysis	<b>RP: ERP implementation lifecycle, implementation method implementation, vendors, consultants and users, contrary yees, project management and monitoring. Business Modules</b> s: Business modules in an ERP package - finance, mare enance, materials management, quality management, sale ntages of each of the modules. <b>ERP in Apparel Industry</b> stry: Production resource planning – principles and mare s– quick response strategy - material management for "G	acts w nufactu es and anager Quick	y, hic rith v 12- uring, distr 12- nent Resp tware	Iden endo - ho , hun ibuti - ho of a	urs nan on. urs	
Implementation Costs, organiz consultants and <b>Unit:3</b> The Business I resources, plan Significance ar <b>Unit:4</b> ERP in appare demand chain Just in Time (J <b>Unit:5</b> Computer App technology; Us communicating	ing the d emplo Module at maint nd advar el indus analysis IT) Tec blication se of Co g with y	<b>RP: ERP implementation lifecycle, implementation method implementation, vendors, consultants and users, contrary yees, project management and monitoring. Business Modules</b> s: Business modules in an ERP package - finance, mare enance, materials management, quality management, salentages of each of the modules. <b>ERP in Apparel Industry</b> stry: Production resource planning – principles and mase- quick response strategy - material management for "Choology"; Production planning, Costing and merchandising	acts w nufactu es and anager Quick ng soft y – ED product s, intra	y, hic rith v 12- uring, distr 12- nent Resp tware 12- DI in tion s	<ul> <li>Iden</li> <li>endo</li> <li>ho</li> <li>hum</li> <li>ibuti</li> <li>of a</li> <li>onse</li> <li>onse</li> <li>and</li> <li>and</li> <li>and</li> <li>and</li> <li>and</li> <li>base</li> <li>and</li> <li>an</li></ul>	urs, nan on. urs ind s ^{rr} – urs	

Te	xt Book(s)
1	ERP in Apparel Industry, D. Anita Rachel, Kongunadu Publications India Pvt Ltd, ISBN:
	978-93-86770-19-6, 2017.
2	ERP Demystified, Alexis Leon, Published by Tata McGraw Hill, New Delhi, 2000
3	Apparel Manufacturing, Sewn Product Analysis, Glock Ruth E. and Kunz Grace I., Blackwell
	Scientific Publications, 1996.
4.	Concepts in Enterprise Resource Planning, Joseph A. Brady, Ellen F. Monk, Bret Wagner,
	Published by Thompson Course Technology, USA, 2001
Ref	ference Books
1	Enterprise Resource Planning Concepts and Practice, Garg Vinod Kumar and
	Venkitakrishnan N. K., Published by PHI, New Delhi, 2003.
2	Enterprise Resource Planning, Theory & Practice, Rahul Altekar, V., Published by Printice
	Hall of India, New Delhi, 2005.
3	Enterprise Resource Planning, Leon, V., Diamond Publications, New Delhi, 2018.
Rel	ated Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]
1	https://www.fibre2fashion.com/industry-article/1534/benefits-of-erp-software-in-garment-
1	and-apparel-industry
2	https://www.fdm4.com/solutions/erp/apparel/
3	https://www.deskera.com/erp-software-for-apparel-textile-industries/
Co	urse Designed By: Mrs.D.Anita Rachel

						in the second		68	1	
Mappi	ing with	Program	nme Out	comes			100	1		
COs	PO1	PO2	PO3	PO4	PO5	PO6	<b>PO7</b>	PO8	PO9	<b>PO10</b>
CO1	S	S	S	S	S	S	S	S	S	S
CO2	S	S	S	S	S	S	S	S	S	S
CO3	S	S	S	S	S	S	S	S	S	S
<b>CO4</b>	S	S	S	S	S	S	S	S	S	S
CO5	S	S	S	S	S	S	S	S	S	S

<b>Course Code</b>	6EE	INTIMATE APPAREL MANUFACTURING	L	Т	Р	С
		TECHNIQUES				
Elective		Paper III B	4	-	-	4
Pre-requisite		Basic Knowledge in Apparel	-	labus rsion	2021 2022	
Course Object	tives:					
•		this course are to: udent on the design, material, accessories and sev	ving	aspects	of int	ima
Expected Cou	rse Out	comes:				
On the success	ful com	bletion of the course, student will be able to:				
1 Rememb	er design	n and develop intimate apparels.			K1	
		omfort and security.			K2	2
		g aspects and its techniques of intimate garments.			K3	3
	100	rn drafting of Intimate Apparel Manufacturing Tech	nique	S.	K4	
•	1	ve the required drape and silhouette using appropriate	-		K4	
allowanc			38.			
	- A	Understand; K3 - Apply; K4 - Analyze; K5 - Evaluat	te; K	6 - Crea	ite	
	1.4					
Unit:1		Intimate Apparels		1	12 h	our
		inition, classification, materials-fibre, fabric and accounts of intimate apparels	essor	ies; phy	vsical a	nd
Physiological r	equirem	ents of intimate apparels.		2	- 3	
2 23					3	
Unit•2		Men's Intimate Annarel			12 h	our
545 555	s measu	Men's Intimate Apparel	Lon	-	12 ho tank t	
Design analysi		rements, pattern drafting of men's intimate apparel –	1.0	g johns,	, tank t	
Design analysi		11	1.0	g johns,	, tank t	
Design analysi tanga, boy shor Unit:3	ts, knick	rements, pattern drafting of men's intimate apparel – kers, bikini underwear, thong, boxer briefs, boxer sho Women's Intimate Apparel	orts an	g johns, nd jock	, tank t strap. 12 h	op, our
Design analysi tanga, boy shor <b>Unit:3</b> Design analysi	ts, knick s, measu	rements, pattern drafting of men's intimate apparel – kers, bikini underwear, thong, boxer briefs, boxer sho	orts an	g johns, nd jock	, tank t strap. 12 h	op, our
Design analysi tanga, boy shor <b>Unit:3</b> Design analysi Panties, camiso	ts, knick s, measu	rements, pattern drafting of men's intimate apparel – kers, bikini underwear, thong, boxer briefs, boxer sho Women's Intimate Apparel rements, pattern drafting of women's intimate appare e top, shape wear, bikini and bra.	orts an	g johns, nd jock vaist pet	, tank t strap. 12 ha tticoats	op, our; s,
Design analysi tanga, boy shor Unit:3 Design analysi Panties, camiso Unit:4	rts, knick s, measu bles, tube	rements, pattern drafting of men's intimate apparel – xers, bikini underwear, thong, boxer briefs, boxer sho Women's Intimate Apparel rements, pattern drafting of women's intimate appare e top, shape wear, bikini and bra. Intimate Apparel Accessories	el – w	g johns, nd jock 1 vaist pet	, tank t strap. 12 h tticoats	our; s,
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Design analysi tanga, boy shor <b>Unit:3</b> Design analysi Panties, camiso <b>Unit:4</b> Intimate appare Elastics and se	ts, knick s, measu bles, tube	rements, pattern drafting of men's intimate apparel – kers, bikini underwear, thong, boxer briefs, boxer sho Women's Intimate Apparel rements, pattern drafting of women's intimate appare e top, shape wear, bikini and bra. Intimate Apparel Accessories ories - Bra wire, hook and eye tape, ring and slider, b	el – w	g johns, nd jock 1 vaist pet 2 e, plasti	, tank t strap. 12 h tticoats	op, our 3, our
Design analysis tanga, boy shor Unit:3 Design analysis Panties, camiso Unit:4 Intimate appare Elastics and se Unit:5	ts, knick s, measu bles, tube el access wing thr	rements, pattern drafting of men's intimate apparel – xers, bikini underwear, thong, boxer briefs, boxer sho Women's Intimate Apparel rements, pattern drafting of women's intimate appare e top, shape wear, bikini and bra. Intimate Apparel Accessories ories - Bra wire, hook and eye tape, ring and slider, b eads.	orts an el – w ouckle	g johns, nd jock /aist pet /aist pet	, tank t strap. 12 h tticoats 12 h c bone 12 h	op, our 3, our
Design analysi tanga, boy shor Unit:3 Design analysis Panties, camisc Unit:4 Intimate appare Elastics and se Unit:5 Sewing of intir	ts, knick s, measu bles, tube el access wing thr	rements, pattern drafting of men's intimate apparel – kers, bikini underwear, thong, boxer briefs, boxer sho Women's Intimate Apparel rements, pattern drafting of women's intimate appare e top, shape wear, bikini and bra. Intimate Apparel Accessories ories - Bra wire, hook and eye tape, ring and slider, b eads. Sewing of Intimate Apparels	orts an el – w ouckle	g johns, nd jock /aist pet /aist pet	, tank t strap. 12 h tticoats 12 h c bone 12 h	op, our; 3, our;
tanga, boy shor Unit:3 Design analysis Panties, camiso Unit:4 Intimate appare Elastics and se Unit:5	ts, knick s, measu bles, tube el access wing thr	rements, pattern drafting of men's intimate apparel – kers, bikini underwear, thong, boxer briefs, boxer sho Women's Intimate Apparel rements, pattern drafting of women's intimate appare e top, shape wear, bikini and bra. Intimate Apparel Accessories ories - Bra wire, hook and eye tape, ring and slider, b eads. Sewing of Intimate Apparels	orts an el – w bucklo ng ar	g johns, nd jock	, tank t strap. 12 h tticoats 12 h c bone 12 h	op, our, s, our,
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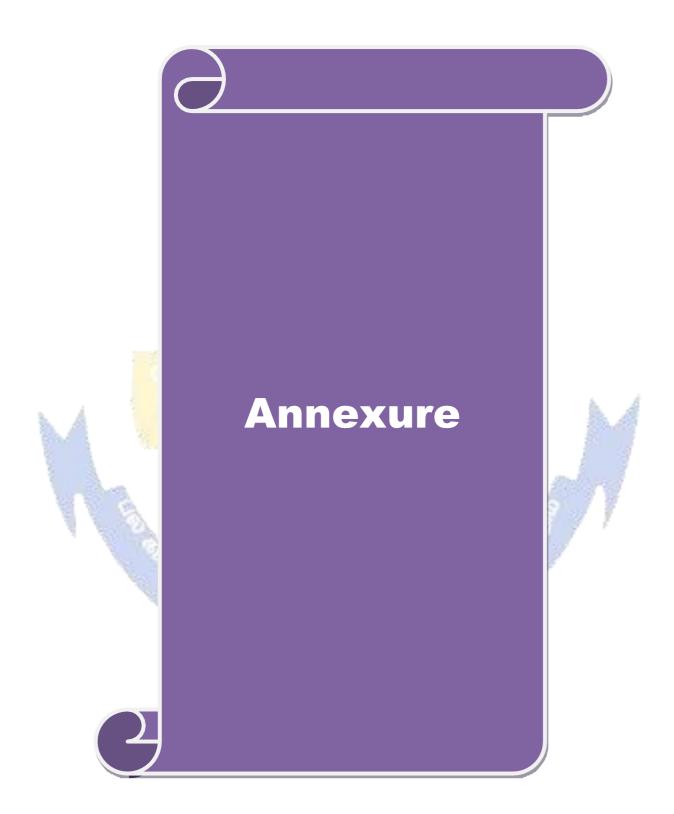
1	Pattern Cutting for Lingerie, Beach Wear and Leisure Wear, Ann Haggar, Published by Black
	Well Science Limited, France, 2001.
2	Advance in Women's Intimate Technology edited by Winnle Yn, Published by Woodhead
	Ltd, 2017.
Re	ference Books
1	Innovations and Technology of Womens Intimate Apparel", W.Yu, J. Fan, S.C. Harlock, S.P.
	Ng., Wood head Publishing Limited, England 2006.
Re	ated Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]
1	https://www.elsevier.com/books/advances-in-women-s-intimate-apparel-
	<u>technology/man/978-1-78242-369-0</u>
2	https://textilelearner.blogspot.com/2013/05/importance-of-comfort-in-intimate.html
3	https://www.fibre2fashion.com/industry-article/7084/machines-used-in-lingerie-making
Co	urse Designed By: Mrs.D.Anita Rachel

Mappi	Mapping wit <mark>h Progra</mark> mme Outcomes									
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	M	M	М	М	L	S	S	S	S	S
CO2	M	М	М	М	L	S	S	S	S	S
CO3	М	М	М	М	L	S	S	S	S	S
<b>CO4</b>	М	М	М	М	L	S	S	S	S	S
CO5	М	М	М	М	L	S	S	S	S	S

Course Code	L	Т	Р	С						
Elective		Paper III C	4	-	-	4				
Pre-requisite     Basic Knowledge in Apparel Management     Syllal       Versi										
Course Objec	tives:									
The main object	ctives of	f this course are to:								
To intro	oduce st	udents to the concept of brand, brand building, branding s	trateg	ies a	nd leg	al				
issues in bran	d manag	gement.								
<b>Expected Cou</b>	rse Ou	tcomes:								
On the success	ful com	pletion of the course, student will be able to:								
1 Rememb	er the c	onsumer behaviour, brand identity and brand equity mana	ageme	ent.	K1					
2 Rememb	er to th	e concept of brand, brand building, branding strategies	and le	egal	K1					
issues in	brand m	anagement.								
		builds loyal customers through positive brand association	is and		K2					
_	0	ng awareness of the brand.								
11.0		lish the brand loyalty in Apparel Sector.			K3					
•		eting that uses techniques to increase the perceived value	of a		K4					
product 1	product line or brand over time.									
K1 - Remember	er <mark>; K2</mark> -	Understand; <b>K3</b> - Apply; <b>K4</b> - Analyze; <b>K5</b> - Evaluate; H	<b>X6 - (</b>	Create	e 🦼					
	er; <mark>K2</mark> -	Understand; <b>K3</b> - Apply; <b>K4</b> - Analyze; <b>K5</b> - Evaluate; <b>F</b>	X6 - (	1	100					
Unit:1	80	Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; H Introduction to Brand		12-	- hou					
Unit:1 Introduction: E	Brand –	Understand; <b>K3</b> - Apply; <b>K4</b> - Analyze; <b>K5</b> - Evaluate; <b>H Introduction to Brand</b> introduction, functions, brand significance; branding – ty	pes a	<b>12-</b> nd st	<b>- hou</b> rategi	es				
Unit:1 Introduction: E international ap	Brand –	Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; H Introduction to Brand introduction, functions, brand significance; branding – ty rands - identification of perspectives and challenges to be	pes a	<b>12-</b> nd st	<b>- hou</b> rategi	es				
Unit:1 Introduction: E international ap	Brand –	Understand; <b>K3</b> - Apply; <b>K4</b> - Analyze; <b>K5</b> - Evaluate; <b>H Introduction to Brand</b> introduction, functions, brand significance; branding – ty	pes a	<b>12-</b> nd st	<b>- hou</b> rategi	es				
<b>Unit:1</b> Introduction: E international aj garment brands	Brand –	Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; H Introduction to Brand introduction, functions, brand significance; branding – ty rands - identification of perspectives and challenges to be ospects of Indian brands.	pes a	12- nd st prand	- hou rategi - India	es an				
Unit:1 Introduction: E international ap garment brands Unit:2	Brand – pparel b s and pr	Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; H Introduction to Brand introduction, functions, brand significance; branding – ty rands - identification of perspectives and challenges to be ospects of Indian brands. Brand Appraisal	/pes a uild b	12- nd st prand 12-	- hou rategi - India - hou	es an I <b>rs</b>				
Unit:1 Introduction: E international ag garment brands Unit:2 Brand Appra	Brand – pparel b s and pr	Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; H Introduction to Brand introduction, functions, brand significance; branding – ty rands - identification of perspectives and challenges to be ospects of Indian brands.	/pes a uild b	12- nd st prand 12-	- hou rategi - India	es an I <b>rs</b>				
Unit:1 Introduction: E international ag garment brands Unit:2 Brand Appra customer,	Brand – pparel b s and pr isal: B	Understand; <b>K3</b> - Apply; <b>K4</b> - Analyze; <b>K5</b> - Evaluate; <b>H</b> Introduction to Brand introduction, functions, brand significance; branding – ty rands - identification of perspectives and challenges to be ospects of Indian brands. Brand Appraisal rand appraisal – Definition and methods - exp	vpes a uild b	12- nd st prand 12- on,	- hou rategi - India - hou mark	es an <b>Irs</b> et,				
Unit:1 Introduction: E international ag garment brands Unit:2 Brand Appra customer, Competition at	Brand – pparel b s and pr isal: Br nalysis,	Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; H Introduction to Brand introduction, functions, brand significance; branding – ty rands - identification of perspectives and challenges to be ospects of Indian brands. Brand Appraisal rand appraisal – Definition and methods - exp reasoning of brands importance and methods invol	vpes a uild b	12- nd st prand 12- on,	- hou rategi - India - hou mark	es an <b>Irs</b> et,				
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Unit:1 Introduction: E international ag garment brands Unit:2 Brand Appra customer, Competition ag emotional and	Brand – pparel b s and pr isal: Br nalysis,	Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; H Introduction to Brand introduction, functions, brand significance; branding – ty rands - identification of perspectives and challenges to be ospects of Indian brands. Brand Appraisal rand appraisal – Definition and methods - exp reasoning of brands importance and methods invol , Brand mapping – circle, prism and triangle.	vpes a uild b	12- nd st prand 12- on, - lad	- hou rategi - India - hou mark dering	es an I <b>rs</b> et, g,				
Unit:1 Introduction: E international aj garment brands Unit:2 Brand Appra customer, Competition as emotional and Unit:3	Brand – pparel b s and pr isal: Br nalysis, rational	Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; H Introduction to Brand introduction, functions, brand significance; branding – ty rands - identification of perspectives and challenges to be ospects of Indian brands. Brand Appraisal rand appraisal – Definition and methods - exp reasoning of brands importance and methods invol , Brand mapping – circle, prism and triangle.	vpes a uild b lorativ	12- nd st orand 12- on, - lad 12-	- hou rategi - India - hou mark dering - hou	es an Irs et, g, Irs				
Unit:1 Introduction: E international ag garment brands Unit:2 Brand Appra customer, Competition ag emotional and Unit:3 Positioning: P	Brand – pparel b s and pr isal: B nalysis, rational	Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; H Introduction to Brand introduction, functions, brand significance; branding – ty rands - identification of perspectives and challenges to be ospects of Indian brands. Brand Appraisal rand appraisal – Definition and methods - exp reasoning of brands importance and methods invol , Brand mapping – circle, prism and triangle. Positioning ng – definition, types – benefit, usage, features, us	ved -	12- nd st prand 12- on, - lad 12- price	- hou rategi - India - hou mark dering - hou , val	es an <b>Irs</b> et, g, <b>Irs</b> ue				
Unit:1 Introduction: E international ag garment brands Unit:2 Brand Appra customer, Competition ag emotional and Unit:3 Positioning: P technology, tr	Brand – pparel b s and pr isal: B nalysis, rational cositioni adition,	Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; H Introduction to Brand introduction, functions, brand significance; branding – ty rands - identification of perspectives and challenges to be ospects of Indian brands. Brand Appraisal rand appraisal – Definition and methods - exp reasoning of brands importance and methods invol , Brand mapping – circle, prism and triangle. Positioning ng – definition, types – benefit, usage, features, us perceptual map – product class and customer segi	vpes a uild b loratio ved - sers, ment;	12- nd st prand 12- on, - lad <u>12-</u> price pos	- hou rategi - India - hou mark dering - hou , val	es an <b>Irs</b> et, g, <b>Irs</b> ue				
Unit:1 Introduction: E international ag garment brands Unit:2 Brand Appraticustomer, Competition ag emotional and Unit:3 Positioning: P technology, tr strategies – no	Brand – pparel b s and pr isal: B nalysis, rational Positioni adition, on funct	Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; H Introduction to Brand introduction, functions, brand significance; branding – ty rands - identification of perspectives and challenges to be ospects of Indian brands. Brand Appraisal rand appraisal – Definition and methods - exp reasoning of brands importance and methods invol , Brand mapping – circle, prism and triangle. Positioning ng – definition, types – benefit, usage, features, us perceptual map – product class and customer segu- ional values, brand loyalty and pyramid; positioning st	vpes a uild b loratio ved - sers, ment;	12- nd st prand 12- on, - lad <u>12-</u> price pos	- hou rategi - India - hou mark dering - hou , val	es an <b>Irs</b> et, g, <b>Irs</b> ue				
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Unit:1 Introduction: E international ag garment brands Unit:2 Brand Appra customer, Competition at emotional and Unit:3 Positioning: P technology, tr strategies – no international ga Unit:4 Identity And	Brand – pparel b s and pr isal: B nalysis, rational cositioni adition, on funct arment to Extensi	Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; H Introduction to Brand introduction, functions, brand significance; branding – ty rands - identification of perspectives and challenges to be ospects of Indian brands. Brand Appraisal rand appraisal – Definition and methods - exp reasoning of brands importance and methods invol , Brand mapping – circle, prism and triangle. Positioning ng – definition, types – benefit, usage, features, us perceptual map – product class and customer segu ional values, brand loyalty and pyramid; positioning st retailers.	vpes a uild b lorativ ved - sers, ment; trateg	12- nd st prand 12- on, - lad 12- price pos ies o 12- n, lo	- hou rategi - India - hou mark dering - hou , val itionin f - hou go ar	es an <b>Irs</b> et, g, <b>Irs</b> le ng <b>Irs</b> nd				

-		; need for developing brand names and labels for apparel	manufactureu anu
exp	orted from	India.	
TT	24 - E	David Maximum and	10 h
	it:5	Brand Measurement	12 hours
		ement: Brand measurement- definition, need and methods -	· · ·
		naging brand image - need, concepts of management, forces a	-
ma	intenance of	f brand, Study on brands and brand management of Indian Garr	nent.
		Total Lecture hours	60 hours
		Total Lecture nours	00 IIOUI;
	t Book(s)		
1	Ltd, 2006.	Brand Value, Parameswaran M. G., Tata McGraw Hill Pu	iblishing Company
2	Brand M 2007.	anagement – The Indian Context, Moorthy Y. L. R., Vikas P	ublication Pvt Ltd,
3	Brand Ma	nagem <mark>ent Text</mark> and Cases, Verma Harsh V., Published by Excel	l books, 2006.
Dof	erence Boo		6
			lan India I til 2006
$\frac{1}{2}$		magement Text and Cases, Mathur U. C., Published by Macmil	lan India Ltd 2006.
2	Branding -	- Vanauken, Jaico Books, Published by Delhi, 2010.	h 4
-	A		
Rel	ated Onlin	e Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	100
1	https://w	ww.polimoda.com/courses/master/fashion-brand-management	
2	http://tex	tile.webhost.uoradea.ro/Annals	1997.9
3	https://w	ww.istitutomarangoni.com/en/fashion-courses/postgraduate/ma	sters-degrees-o-
	masters-c	courses/fashion-luxury-brand-management/	8 / 1
	1		

Mappi	Mapping with Programme Outcomes									
COs	PO1	PO2	PO3	PO4	PO5	PO6	<b>PO7</b>	PO8	PO9	PO10
CO1	М	М	М	М	L	S	S	S	S	S
CO2	М	М	М	М	L	S	S	S	S	S
CO3	М	М	М	М	L	S	S	S	S	S
<b>CO4</b>	М	М	М	М	L	S	S	S	S	S
CO5	М	М	М	М	L	S	S	S	S	S



# **B.Sc. APPAREL MANUFACTURING AND MERCHANDISING**

# SYLLABUS (With Effect from 2021 -2022 Batch Onwards)

Program Code: 26P

2016



Bharathiar University (A State University, Accredited with "A"Grade by NAAC and 13th Rank among Indian Universities by MHRD-NIRF) Coimbatore 641 046, INDIA.

List of Elective papers (Colleges can choose any one of the paper as electives)						
Elective – I	Α	5EA Fashion and Apparel Marketing.				
	В	5EB	Business Communication.			
	С	5EC	Clothing Care.			
Elective – II	Α	6EA	Research Methods.			
	В	6EB	Industrial Engineering Techniques.			
	С	6EC	Eco Textiles.			
Elective – III	Α	6ED	ERP in Apparel Industry.			
	В	6EE	Intimate Apparel Manufacturing Techniques.			
	С	6EF	Apparel Brand Management.			

