B. Sc. (Honors) (F.T.) – FASHION AND APPAREL TECHNOLOGY FARMONAND

Course Code	Course	Credits	Course
	SEMESTER I		
FAT 1101C01	Basics of Clothing and Design	04 (1+3)	Core
FAT 1102C02	Basic Pattern Making	04 (0+4)	Core
ENG 1128F04	English for Communication	04 (4+0)	Foundation
FAT 1103F01	Textile Basics	04 (3+1)	Foundation
FAT 1104F02	Creative Thinking	04 (2+2)	Foundation
FAT 1105F03	Computer Application	04 (1+3)	Foundation
FAT 1106I01	Fashion Styling	02 (2+0)	Elective Interdisciplinary
	Total	26	
	SEMESTER II		
FAT 1201C01	Sewing Fundamentals	04 (1+3)	Core
FAT 1202C02	Introduction to Apparel Industry	03 (3+0)	Core
FAT 1203C03	Structural Textile Design	06 (3+3)	Core
FAT 1204C04	Advanced Pattern Making	04 (0+4)	Core
FAT 1205F01	Understanding Apparel Market	04 (2+2)	Foundation
FAT 1206E01	Newer Materials for Fashion	02 (2+0)	Elective
FAT 1207I02	Entrepreneur Development	02 (2+0)	Elective Interdisciplinary
	Total	25	
	SEMESTER III		
FGT 1301C01	Anthropometrics and Sizing	05 (1+4)	Core
FGT 1302C02	Kid's & Women's Wear	04 (0+4)	Core
FGT 1303C03	Garment Production and Machinery	04 (3+1)	Core
FGT 1304C04	Textile Testing	04 (2+2)	Core
FGT 1305C05	Fabric Processing and Finishing	04 (2+2)	Core
FGT 1306E02	Fashion Branding	02 (2+0)	Elective
FGT 1307I03	Shop Floor Management	02 (2+0)	Elective Interdisciplinary
	Total	25	

Course Code	Course	Credits	Course
	SEMESTER IV		
FGT 1401C01	Men's Wear	04 (0+4)	Core
FGT 1402C02	Computer Aided Pattern Designing & Development	05 (1+4)	Core
FGT 1403C03	Plant Layout in Apparel Industry	05 (2+3)	Core
FGT 1404C04	Cost Analysis	02 (2+0)	Core
FGT 1405C05	Finishing and Packaging Technology	04 (3+1)	Core
FGT 1406I04	Accessory Design	02 (0+2)	Elective Interdisciplinary
	Total	22	
	SEMESTER V		2
FGT 1501C01	Apparel Standards and Quality Control	04 (4+0)	Core
FGT 1502C02	Internship	12(0+12)	Core
FGT 1503C03	Product Development	06 (2+4)	Core
FGT 1504C04	Lean Management	02 (1+1)	Core
	Fotal	24	
	SEMESTER VI		
FGT 1601C01	Principles of Management and Marketing	04 (4+0)	Core
FGT 1602C02	Seminar	03 (3+0)	Core
FGT 1603C03	Industrial Engineering	03 (2+1)	Core
FGT 1604C04	Logistics & Supply Chain Management	03 (3+0)	Core
FGT 1605C05	Entrepreneurial Skills	04 (3+1)	Core
FGT 1606C06	International Trade Practices	02 (2+0)	Core
FGT 1607C07	Apparel Merchandising & Retailing	03 (2+1)	Core
	Total	22	
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		B.Sc. (Ga	rment Technology): Honors Programme								
Yea	r I	Core / Elective / Foundation FGT 1101C01: Basics of Clothing and Design		Cr	edits / Ho	ours per	week	OY	04 (1+3) / 07		
Semes	ster I	Year of Introduction: 2014 Year of Syllabus Revision: 2018		Ma	aximum M	Iarks /	Grade		O (10 point scale)		
Mode o Transa	of	Lectures and Practical									
Transaction Course Outcome (CO) FGT 1101C01 CO1 To introduce the basic concepts of clothing construction and design skills CO2 To understand individuality in clothing, grooming and self-care CO3 To understand flat sketching through 8-head and 10-head theory CO4 To enable in making appropriate selection of clothing styles CO5 To demonstrate fabric preparation for sewing CO6 To give hands on training of basic hand and machine stitches											
Unit No.		Торіс	Contact Hours	Weightage	BT Level	СО	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)	
1	Introduction Design: it's color, textur light; Basic balance, pro	to design concept: meaning, types and importance; Elements of design: e, line, shape, pattern, space, form, plane, volume and principles of design and the concept of composition: portion, rhythm, emphasis and harmony	10	20	1, 2	CO1	PSO1			C	
2	Individuality Grooming a and expressi	in clothing and design: d care of self; Good taste in design: its importance on	5	10	1, 2	CO2	PSO1	SD	G	ES	
3	Practical: Fl 8-head theor necklines, sl	at sketching: y, 10-head theory, Sketching design details (basic seves, hemines, collars, pockets); Children clothing	26	20	2, 3	CO3	PSO1 PSO2				

	(basic frocks, shirts, shorts); Women's clothing (basics tops, skirts, dresses, trousers, jackets); Men's clothing (basic shirt,							Á	
	trousers, jackets)						(× ×	
4	Practical: Basics of design and its application: Identify, describe and experience the elements of design and discuss how these are a part of our daily lives ; Review the elements and principles of design in two dimensional and three dimensional design; Describe the similarities and differences in contemporary design / period design among cultures; Create a design composition emphasizing a design principle	19	15	2, 3	CO4	PSO1 PSO2	JOLO'		
5	Practical: Introduction to sewing machine, preparation of fabric before cutting: Parts of sewing machine and its operation; Common stitching problems and solution; Fabric grain; Method of cutting the fabric; Checking fabric design; Straightening of fabric; Shrinking of cottons; Types of needles; Planning lay out and calculation of fabric	19	15	2, 3	CO5	PSO1 PSO2 PSO3			
6	Practical: Basic hand and machine stitches: Hand stitches: running stitch/basting, bast stitch, whip stitch, blanket stitch, slip stitch, blind hemming, lock stitch, tailors stitch, blind catch stitch; Machine seams: plain seam, pinked seam, flat seam, lapped seam, top stitched plain seam, flat fell seam French seam bias bound seam overcast seam self-bound	26	20	2, 3	CO6	PSO1 PSO2 PSO3			
Refer	ence Books								
1	Bennett J G (2012) Design Fundamentals for New Media - 2 nd E	dition New	York: Cengag	e Learning	τ				
2.	Bhatia, R., & Arora, C. (1999). Introduction to Clothing and Textile	e. Clothing	and Textile De	pt., Facult	v of Hor	ne Scienc	ce. The M.S. Univers	sity of Baroda.	
3.	Carson, B. (1969). How You Look and Dress. New Delhi: Tata Met	Graw-Hill P	ublishing Com	pany Ltd.					
4.	Craig, H. T., & Rush, C. D. (1946). Clothes with Character. Bostor	n: Health &	Company.	1 7					
5.	Goldstein, H. (2012). Art in everyday life. New Delhi: Tata McGray	v-Hill Publi	ishing Compan	y Ltd.					
6.	Kiper, A. (2011). Fashion Illustration: Inspiration and Technique.	Devon: Dav	vid & Charles F	ublishers	Ltd.				
7.	Lauer, D. A., & Pentak, S. (2007). Design Basics - 7th Edition. New	VYork: Cen	gage Learning						
8.	Moulton, B. (1968). Simplified Tailoring. London: BT Batsford Ltd								
9.	Thomas, A. J. (1996). Art of Sewing. New Delhi: UBI Publication I	_td.							
10.	Pandit, S. & Tarplay, E. (1975). Grooming Selection and Care of C	lothes. Clot	thing and Texti	le Dept., F	Faculty o	of Home S	Science, The M.S. U	niversity of Baroda.	
11.	Pentak, S., Roth, R., & Lauer D. A. (2012). Design Basics: 2D and	3D - 8 th Ed	lition. New Yor	rk: Cengag	ge Learni	ing.			
12.	Scott, R. G. (1980). Design fundamentals. Florida: R. E. Krieger Pu	ıb. Co.							
13.	Skull, J. Key terms in Art Craft and Design. Australia: Elbrook Pres	58.							
14.	Smuthi, G. J. (2002). Elements of Fashion And Apparel Design. Ne	w Delhi: N	ew Age Interna	ational Pvt	. Ltd.				
15.	Termes, P. E. (2014). Fashion Illustration: Step by Step. Spain: Kon	nemann Pul	blications.						
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	·		B.Sc. (Ga	rment Te	chnology): l	Honors	Progra	amme				
Yea	ar	Ι	Core / Elective / Foundation FGT 1102C02: Basic Pattern Making	Credits / Hours per week						04 (0+4)	04 (0+4) / 08	
Seme	ster	I	Year of Introduction: 2018 Year of Syllabus Revision: -		Ma	aximum N	Iarks /	Grade		O (10 point	scale)	
Mode of Transa	of action		Practical					Ĵ),				
Course Outcome (CO) FGT 1102C02 CO1 To introduce the basic concepts of anthropometry and its application CO2 To understand and draw the basic bodice and concepts of fit and darts CO3 To demonstrate dart manipulation through flat pattern method CO4 To understand the various parameters of fit and fall of basic skirt CO5 To stitch an upper garment and a skirt considering different constructional aspects												
Unit No.			Торіс	Contact Hours	Weightäge	BT Level	СО	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)	
1	Practical: Body sha ones on d technique methods u limitation Body dim anthropon	Intro pe and lress f es and used i as; Imp nensio metric	duction to anthropometry: alysis; Landmarks on body and corresponding forms; Terminology; Standard measurement its importance in fit: conventional and new; New n anthropometric studies: advantages and portance of pattern making in quality of a garment; ins in Indian context; Application of e studies in apparel industries	18	15	2, 3, 4	CO1	PSO1 PSO2	SD	G	G ES	
2	Practical: Concept of of darts/so of seam a	Bodi of fit: eams/ allowa	ce block: darted/dart less block; Basic bodice block; Truing curves/notches/slits and its significance; Concepts nce and production patterns	24	20	2, 3, 4	CO2	PSO1 PSO2				
			Y									

3	Practical: Dart manipulation - flat pattern method Dart manipulation techniques: pivot, slash and spread, darts in tucks/gathers; darts into panels: princess lines/style lines not passing through apex point; Principle of fullness: importance of balancing of patterns and notches and its importance; Quality defect identification and remedies at pattern stage	24	20	2, 3, 4	CO3	PSO1 PSO2				
4	Practical: Skirt Basic skirt block; various silhouette of skirts and their differences; Concept of panels/pleats; Various parameters controlling fit and fall of skirts	24	20	2, 3, 4	CO4	PSO1 PSO2				
5	Practical: Construction of garment: Upper garment (any one); Skirt (any one); Different constructional aspects: garment finishing (neckline, armhole, waistbands, facings)	30	25	2, 3, 4, 6	COS	PSO1 PSO2				
Refere	ence Books									
1.	Al-Haboui, M. H. (1992). Anthropometry for a Mix of Different Pop	oulations. A	msterdam: Ap	plied Ergo	nomics,	Elsevier				
2.	Annis, J. F. (1978). Variability in Human Body Size- Anthropometry	ic Source Bo	ook. Washingto	on DC: NA	ASÁ Ref	ference P	ublication.			
3.	Aldrich, W. (2015). Metric Pattern Cutting for Women's Wear - 6 th	Edition.Nev	v York: Wiley	-VCH Gm	bH & C	0.				
4.	Armstrong, H. J. (2009). Pattern making for Fashion design – 5th Education States and St	dition. Noid	la: Harper Coll	ins Publisl	hers Ind	ia.				
5.	Basia, S. (2010). Technical Drawing for Fashion. London: Laurenc	e King Publ	lishing.	<u> </u>						
6.	Holzman, D. C. (1996). Fewer Sizes Fit All. Technology Review. D	iscussion of	Paal's method	l of creatin	g an opt	timized si	izing system based or	n anthropometric data.		
7.	Hudson, P. B. (1979). Generating Patterns. Bobbin. 20(8).									
8.	Peterson, E. A. (1980). Standardization of industrial garment fit: Is	it feasible?	Is it necessary	? Is it desi	irable?]	London:	Industrial Launderer.			
9.	Reich, N., & Goldserry, E. (1993). Development of body measureme	ent tables fo	r women 55 a	nd older ai	nd the re	elationshi	ip to ready-to-wear g	arment size. (Research	Fechnical	
	Report Number PCN 33-000006-18, ISR 06). Philadelphia: Americ	an Society t	or Testing and	Materials	/Institut	e for Star	ndards Research.			
10.	Shoben, M. M., & Ward, J. P. (1990). Pattern Cutting and Making	Up – Revise	d Edition. Oxf	ord: Butter	rworth F	leinmanr	1. 			
11.	Singh, D., & Young, R. K. (1995). Body weight, waist-to-hip ratio	o, breasts a	nd hips: roles	in judgme	ents of f	emale att	tractiveness and desi	rability for relationship	s. Ethology and	
10	Sociobiology.									
12.	 Stoudt, H. W. (1981). The Anthropometry of the Elderly. Human Factors, 25(1). Subman L.A. (2012). Technical Durating for Eaching Desired Convert Source Deck. Natherlands: The Daris Dress. 									
13.	 J. Sumici, I. A. (2012). Technical Drawing for Fashion Design. Garment Source Dook. Neurentalius. The replin Fless. Zoronkor, K. P. (2008). Zarankar System of Cutting. Mumpai: Novneot Publication (India) Ltd. 									
14.	Zarapkar, K. R. (2008). Zarapkar System of Cutting. Mumbai: Navneet Publication (India) Ltd.									

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			B.Sc. (Ga	rment Te	chnology): l	Honors	Progra	amme				
Yea	ar	Ι	Core / Elective / Foundation ENG 1105F01: English for Communication	Credits / Hours per week 04 (4+0) / 04						/ 04		
Seme	ester	Ι	Year of Introduction: 2014 Year of Syllabus Revision: 2018		Ma	aximum N	/larks /	Grade		O (10 point scale)		
Mode Trans	of action		Lectures					JY'				
Cours	e Outco	me (CC	D) ENG 1105F01									
C	O1 To	o impart	t a reasonable command over English in terms of acqu	uiring effect	tiveness while s	peaking	$\backslash \mathcal{V}$					
C	O2 To	o enhan	ce vocabulary to fluently express in English language				V					
C	O3 To	o develo	op soft skills for public speaking, presentation and gro	up discussi	ons		/					
CO	O4 To	teach l	learning techniques for effective technical writing									
C	05 To	o unders	stand the sound of words through phonetics			\mathbf{C}						
				~		Y		200				
Unit No.			Торіс	Contact Hours	Weightage	BT Level	со	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)	
1	Introdu Listeni prose (action to ing vs. h short st	o communication: nearing; How to be a good listener; Reading of ories); Skimming and scanning	12	20	2, 3	CO1	PSO1				
2	Vocabu Using t form to Coping	ulary bu the dict c anothe g with u	ailding: ionary and thesaurus; Changing words from one er; Prefixes and suffixes, synonyms and antonyms; nfamiliar words; Commonly confused words	12	20	2, 3	CO2	PSO1	SD	G	HV PE	
3	Soft sk Group Conver	tills: discuss rsation,	ion; Public speaking; Presentation skills; dialogues and debates	12 20 2, 3 CO3 PSO1								
4	Writing	g skills:		18	30	2, 3	CO4	PSO1				

	Paragraph writing; Creative writing (writing stories from						
	outlines); Introduction to research paper and dissertation: Writing						
	reports: Letter writing: Résumé and CV						
5	Phonetics:						
5	I noncues.	6	10	2.2	COS	DSO1	
	Learning the sound of words, Reading a dictionary, identifying	0	10	2, 5	COS	P301	
-	and reading phonemes						
Refer	ence Books						\sim
1.	Inthira, S.R. & Saraswathi, V. (2007). Enrich Your English Book –	Communi	cation skills. L	London: Ox	ford Un	iversity F	Ytess.
2.	Raman, M. & Sharma, S. (2011), Technical Communication – Prince	ciples and	Practice – Sec	ond ed. Lo	ndon: O	xford Un	iversity Press.
3	Kumar S & Pushplata (2011) Communication Skills – First ed Lo	ndon [.] Oxf	ord University	Press			
- 3.	The Oxford Essential Dictionary: American Edition New York: Ox	ford Unive	reity Press	11055.		$\overline{\boldsymbol{\lambda}}$	<u>}</u>
4.	The Oxford Essential Dictionary. American Edition, New Tork. Ox		15ity 11088.				
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		B.Sc. (Ga	arment Te	chnology):]	Honors	Progra	amme				
Yea	ar I	Core / Elective / Foundation FGT 1103F02: Textile Basics	Credits / Hours per week 04 (3+1) / 05						05		
Seme	ster I	Year of Introduction: 2014 Year of Syllabus Revision: 2018		Ma	aximum M	/arks /	Grade		O (10 point	scale)	
Mode Transa	of action	Lectures and Practical					JY'				
Course Outcome (CO) FGT 1103F02 CO1 To understand the basic terminologies related to textiles and their classification CO2 To impart basic understanding of fibres, their properties and end use applications CO3 To enlighten about the different yarns used in apparel manufacturing CO4 To build an ability to select fabrics for different end uses based on their properties CO5 To impart practical knowledge of fibre and fabric identification											
Unit No.		Торіс	Contact Hours	Weightage	BT Level	CO	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)	
1	Introduction t Key terms rel fibres and the	o textiles and its classification: ated to fibres, yarns and fabrics; Classification of ir end uses	6	10	1, 2	CO1	PSO1				
2	Properties of Introduction t natural fibres	textile fibres – natural and manmade: o textile fibres; Properties of fibres; Comparison of with man-made fibres	12	20	1, 2	CO2	PSO1	05	C.	FG	
3	Yarn classific Classification system	ation and manufacture; of yarn; yarn types and function; yarn numbering	12	20	1, 2, 3	CO3	PSO1	SD	G	ES	
4	Fabric manuf Weaving: intr applications;	acture: oduction to weaving, types of weaves and Knitting: introduction to knitting, warp knitting and	15	25	1, 2	CO4	PSO1				
		>									

	weft knitting; Nonwoven: introduction to nonwoven, types and						
	applications of nonwovens						
5	Practical: Identification and application of fabrics:						
	Identification of textile fibres; Non-technical test: feeling test,	30	25	2, 3, 4	CO5	PSO1	
	burning test; Technical test: microscope test and chemical test.						
Refer	rence Books						
1.	Ajgaonkar, D. B. (1998). Principles of Knitting. California: Universal	Publishi	ng Corporation				
2.	Albrecht, W., Fuchs, H., & Kittelmann, W. (2003). Nonwoven Fabrics	s. New Je	ersey: Wiley-V	CH GmbH	& Co.	/	
3.	Archibald, J. H. (1975). The Standard Handbook of Textiles. New Jers	ey: Wile	y-VCH GmbH	& Co.			
4.	Gohl, E., & Vilensky, L. (1993). Textile Science: An Explanation to Fi	iber Prop	perties. Melbou	rne: Long	man Ch	eshíre.	
5.	Gokerneshan, N. (2004). Fabric Structure and Design. New Delhi: Ne	w Age I	nternational Pv	t. Ltd.	~	\sim	
6.	Goswami, B. C. (2004). Textile Sizing. New York: Marcel Dekker Inc.						
7.	Grosicki, Z. J. (1921). Watson's Textile Design and Colour. New Delh	i: Wood	head Publishin	g Ltd.			
8.	Horrocks, A. R. & Anand, S. C. (2000). Handbook of Technical Textile	es. New	Delhi: Woodhe	ad Publish	ing Ltd		
9.	Kadolph, S. J. & Langford, A. L. (2006). <i>Textiles – 10th Edition</i> . New J	Jersey: P	rentice Hall.		Y		
10.	Lawrence, C. (2003). Fundamentals of Spun Yarn Technology. New Y	ork: CR	C Press LLC.				
11.	Marjory, L. J. (1977). Introductory Textile Science - 3rd Edition. Cana	da: Holt	, Rinehart and	Winston.			
12.	Nisbet, H. (1919). Grammar of Textile Design. London: Greenwood &	z Sons.		\mathbf{X}			
13.	Saville, B. P. (2000). Physical Testing of Textiles. New York: CRC Pre-	ess LLC.					
14.	Spencer, D. J. (2001). Knitting Technology: A Comprehensive Handbo	ook and H	Practical Guide	New Del	hi: Woo	dhead P	ublishing Ltd., 2001.
15.	Stout, E. (1960). Introduction to Textiles. New York: Wiley-VCH Gm	bH & Co).				
16.	Talukdar, M. K. (1998). Weaving: Machines, Mechanisms, Manageme	ent. Ahm	edabad: Mahaj	an Publish	ers.		
17.	Tortora, P. G. (1992). Understanding Textiles - 4th Edition. Ahmedaba	ad: Macr	nillan India Lto	1.			

extiles - 4th Edition. Ahmedabad: Macmila

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	S	B.Sc. (Ga	rment Te	chnology): l	Honors]	Progra	amme	10		
Yea	ar I	Core / Elective / Foundation FGT 1104F03: Creative Thinking		Cr	edits / Ho	ours per	week	VY	04 (2+2)	/ 06
Seme	ster I	Year of Introduction: 2014 Year of Syllabus Revision: 2018		Ma	aximum M	/Iarks /	Grade		O (10 point	scale)
Mode Transa	of action	Lectures and Practical					Ĵ,			
	ControlControlC1To introC2To impC3To enhaC4To enalC5To dem	duce the basic concepts of thinking and creativity art basic understanding of the tools required for creative nce problem solving ability through creative process le students to develop distinguished approach towards constrate product designing through creative expression	e thinking environmer	nt and hence be	ping deriv	ve inspir	ations thr	ough creative expres	sions	
Unit No.		Торіс	Contact Hours	Weightage	BT Level	СО	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)
1	Introduction Defining this thinking and of creativity	to thinking and creativity: nking and creativity; Elements and principles of creativity; Forms of thinking and creativity; Roots biological, mental, social, spiritual	6	15	1, 2	CO1	PSO1			
2	Creativity to Tools and to Blocks to cr emotional, i training	ol kit and process: chniques of creativity: linear, intuitive and group; eativity: perceptual, cultural and environmental, ntellectual; Lateral thinking: principles, uses and	12	20	1, 2	CO2	PSO1	SD	G	ES HV
3	Creative pro Steps to created consumers;	cess: tive process; specific needs and demands of Study of different fabric textures in relation to end	12	20	1, 2, 3	CO3	PSO1			
		\mathbf{N}								

	use: Creative solutions to address emergence of problems and								
	issues arising in the garment unit; Designing for optimum								
	utilization of damaged/seconds fabric after processes; Creative						()		
	presentation of rejected products; Creative solutions to)	
	recycle/reduce/reuse waste from cutting and production								
	departments of the garment unit; Innovative ideas to product								
	designing: spools, bobbins, fasteners, trims, fabrics and like;						\sim		
	Accessory design: coordinated accessories: neckties, bags, hats,								
	jewellery								
4	Practical: Creative expression – through illustrations:								
	Using different forms of perspective to show the illusion of depth	20	25	224	CO(1)	DCO1	$\mathbf{\mathbf{Y}}$		
	on a two-dimensional surface; Illustrating folds of different types	30	25	2, 3, 4	04	PSOL	×		
	of fabric with pencil sketching with respect to light source) 🚩			
5	Practical: Creative expression:				$\langle \rangle$				
	Create a series of artworks that express a personal statement								
	demonstrating skill in applying the elements of art and the	30	25	231	605	DSO1			
	principles of design; Accessory designing: coordinated	50	23	2, 5, 4	905	F301			
	accessories; Product designing: utilizing spools, bobbins,								
	fasteners, trims, fabrics.								
Refer	rence Books			Y					
1.	Adair, J. (2009). The Art of Creative Thinking: How to Be Innovative	e and Dev	elop Great Ide	as, Edition	reprint.	UK: Kog	gan Page Publishers.		
2.	Balaram, S. (2011). Thinking Design, National Institute of Design. N	lew Delhi:	Sage Publicat	ions.					
3.	Brown, S. (2013). Refashioned: Cutting Edge Clothing from Upcycle	ed Materia	d, UK: Lauren	ce King Pu	blishing	Ltd.			
4.	Bubonia, J. E. (2014). Apparel Production Terms and Processes. New	v York: Bl	loomsbury.						
5.	Carr, H. and Latham, B. (2008). Technology of Clothing Manufactur	e. Edited l	by David J. Ty	ler, 4th ed.	Oxford:	Blackwe	ell.		
6.	Clive Hallet, Amanda Johnston. (2010). Fabric for Fashion- a compre	ehensive g	guide to natural	fibers. Lo	ndon: La	urence k	King Publishing Ltd.		
7.	Guy, C., Bill, L. (2007). The Creative Thinking Plan: How to Genera	te Ideas ai	nd Solve Probl	ems in Yo	ur Work	and Life	, Edition revised. Gre	eat Britain: Financial Ti	nes/Prentice
	Hall.								
8.	Jennings, T. (2011). Creativity in fashion design- An inspiration work	kbook. US	SA: Fairchlid E	Books.					
9.	Lau, J. Y. F. (2011). An Introduction to Critical Thinking and Creative	vity: Think	k More, Think	Better. Nev	w Jersey	: John W	'iley & Sons.		
10.	O'Day, R. (2010). Creative Thinking, Edition reprint. US: Kessinger	Publishing	g.						
11.	Worsely, H. (2011). 100 Ideas that changed fashion. London: Lauren	ce King P	ublishing Ltd.						
12.	The ICFAI University (2004). Creativity, Hyderabad, ICFAI University	sity.							
13.	http://www.brainstorming.co.uk/tutorials/creativethinking.html								
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अभग्राहम० प्र अभग्राहम० प्र अभग्राहम० अभग्राहम० प्र अभग्राहम० अभ्यातितम० अभग्राहम० अभग्राहम० अभग्राहम० अभग्राहम० अभग्राहम० अभग्राहम० अभग्राहम० अभग्राहम० अभग्राहम० अभग्राहम० अभ्यातितम० अभग्राहम० अभग्राहम० अभग्राहम० अभ्यानम० अभग्राहम० अभग्राहम० अभग्राहम० अभग्राहम० अभग्राहम० अभग्राहम० अभ्यातम० अभग्राहम० अभग्राहम० अभ्यातम० अभग्राहम० अभग्रातातातातातातातातातातातातातातातातातातात	िक्ति कि M Facult हन्दरम् Progr	Iaharaja Sayajirao University of Baroda ty of Family and Community Sciences ite of Fashion Technology amme of Garment Technology	Academic Year 2019-20								
		B.Sc. (Ga	rment Te	chnology):	Honors	Progra	amme				
Yea	r I	Core / Elective / Foundation FGT 1105F04: Computer Application		Ст	edits / Ho		04 (1+3) /	07			
Semes	ster I	Year of Introduction: 2014 Year of Syllabus Revision: 2018		Ma	aximum N	/larks /	Grade		O (10 point	scale)	
Mode o Transa	of ction	Lectures and Practical) , , , , , , , ,				
Course CO CO CO CO CO CO	CO1To study in brief about Microsoft Office components like word, excel and powerpointCO2To understand the basic tools and techniques of CorelDraw and Adobe IllustratorCO3To impart basic knowledge of tools and techniques of Adobe PhotoshopCO4To demonstrate the uses of Microsoft Office components in making documents, presentations and spreadsheetsCO5To apply CorelDraw and Illustrator in designing basic garment, patterns and technical drawingsCO6To practically use Adobe Photoshop in mood board designing and creating special image effects										
Unit No.		Торіс	Contact Hours	Weightage (%)	BT Level	СО	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)	
1	Basics of MS Brief history of in word, powe	Office: of MS Office; Shortcut keys for different functions or point and excel.	5	10	1, 2	CO1	PSO1				
2	Fundamentals Introduction to Uses of Corel	and uses of CorelDraw/Illustrator: o tools and techniques of CorelDraw/Illustrator; Draw/Illustrator	5	10	1, 2	CO2	PSO1	SD	G	ES	
3	Fundamentals Introduction to Photoshop	and uses of Photoshop: o tools and techniques of Photoshop; Uses of	5	10	1, 2	CO3	PSO1				
4	Practical: Introduction to MS Office: 12 10 2, 3, 5 CO4 PSO1 PSO4										
		>									

	Basics of MS Word: edit, format, save word documents in								
1 '	different formats including pictures, smart arts, charts and related								
	functions; Using PowerPoint to prepare the presentation slides for						(·		
	given topic; Basics of MS Excel: different formulas and short								
	keys for excel sheet; Creating specification sheet.							Ĩ	
5	Practical: Introduction to CorelDraw/Illustrator:								
	Basics; Creating artwork using CorelDraw tools and techniques;					DCO1			
	Logo designing and creating visiting card; Creating chest print	39	30	2, 3, 5	CO5	PSOI			
	for T–Shirt; Technical drawing: creating garment library; Logo					PS04 /			
	design and creating visiting card								
6	Practical: Introduction to Adobe Photoshop:					$\mathbf{\lambda}$	\mathbf{Y}		
	Basics; Creating a magazine cover; Creating mood boards for the	39	30	2, 3, 5	COG	PSO1			
	theme based projects								
Refere	nce Books								•
1.	Centner, M., & Vereker, F. (2011). Fashion Designers Handbook for	or Adobe Illi	ustrator - 2 nd	Edition. Lo	ndon: Jo	ohn Wile	v & Sons.		
2.	Matthews, M., & Matthews, C. B. (2013), CorelDraw X6 (Version	16) Official	Guide for Wi	ndows 95.1	New Del	lhi: Tata	McGraw-Hill Publis	hing Company Ltd.	
3.	Photoshop CS6 Official Guide – Adobe Systems Incorporation, 201	4	<u> </u>						
4.	Lazear, S. M. (2012). Adobe Illustrator for Fashion Design - 2 nd Edi	tion. New J	ersey: Prentic	e Hall.					
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Realized States	ि	Maharaja Sayajirao Uni ulty of Family and Comm itute of Fashion Technolo gramme of Garment Tech	iversity of Baroda nunity Sciences ogy hnology	Academic Year						2019-20	
			B.Sc. (Gai	rment Te	chnology): l	Honors	Progra	amme			
Yea	ır I	Core / Elective FGT 1106I01: 1	e / Foundation Fashion Styling		Cr	edits / Ho	ours per	week		02 (2+0) / 02	
Seme	ster I	Year of Introduction: 201 Year of Syllabus Revisio	14 n: 2018		Ma	aximum M	/larks /	Grade		O (10 point	scale)
Mode Transa	of action	Lectures						Ĵ,			
Course	e Outcome (CO) FGT 1106I01					\mathbf{N}				
	D1 To dev	elop the skills required to dire	ect and co-ordinate a team	of people	ntras a fashian	atriliat	$\mathbf{\mathbf{\nabla}}$				
	$\frac{12}{3}$ To unc	erstand the role of the photos	shoot and press release in a	marketing	rk as a fashion	stylist					
	<i>JJ</i> 10 unc	ersund the fole of the photo s	shoot and press release in a	marketing	campaign						
Unit No.		Торіс		Contact Hours	Weightage	BT Level	co	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and
				Y,							Professional Ethics (PE)
1	Project brie Interpret an purposes (t meet client information	f: d understand client requireme he message to be communicat budget and deadlines; Ascer at a verbal briefing	ents; Understand clients ted); Plan the project to tain ad note all necessary	7	25	1, 2, 3	CO1	PSO5			20005 (12)
2	Styling eler Understand various fiel catalogues advertising ensure the relevant pe- vocabulary styling, hai	nents: the different roles of today's ds including styling designer and look books; styling for sh styling for the individual; U elevance of the styled produc ople including photographer, Communicate effectively us styling and make-up vocabul	stylist working in collections for op display; styling for se fashion forecasting to t; Completely brief hair stylist and make-up ing a professional ary; Selection of all	12	40	1, 2, 3	CO2	PSO5	EMP SD	G	G HV PE

	required items to put a look together including garments and										
	accessories; Understand the procedures involved in borrowing										
	items from designers, outlets and individuals: Be responsible for										
	the garments and accessories in her care while on loan from										
	shops and individuals: Use professional tools and techniques to										
	press/steam/care for the garments and accessories prior to and										
	during a photo shoot or fashion show: Recognize the limitations										
	of styling hair on location: Analyze the current trends in hair										
	styling and make-up for advertiging publicity catalogue show										
	and session work: Understand the different requirements of										
	make up for photo shoots, catwalk shows and talavision										
2	Distance up for photo shoots, catwark shows and television										
3	Photography and the photo shoot:			- ⁻							
	Outline the history of fashion photography and its role in										
	promoting fashion in the 20 th and 21 st centuries; Distinguish										
	between the different types of professional cameras and lenses in	35	1 2 3 CO3 PSO5	5							
	common use; Understand the digital photographic process;		1, 2, 0 000 1500								
	Communicate using a professional photographic vocabulary; Plan										
	the photo shoot to fit the client's budget and deadline; Direct the										
	professional team producing the photo shoot										
Refer	Reference Books										
1.	1. Buckley, C., & Mcassey, J. (2014). Basics Fashion Design: Styling. London: Bloomsbury Publications.										
2.	2. J., O. (1999). Mastering Fashion Styling. London: Trans-Atlantic Publications Inc.										
	CHION AND										
	FAY										



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		~	B.Sc. (Ga	rment Te	chnology): l	Honors	Progra	amme	10			
Yea	ar	Ι	Core / Elective / Foundation FGT 1201C01: Sewing Fundamentals		Cr	edits / Ho	ours per	week	$\sqrt{\mathbf{O}^{\mathbf{Y}}}$	04 (1+3)	/ 07	
Seme	ster	Π	Year of Introduction: 2014 Year of Syllabus Revision: 2018		Ma	aximum N	/Iarks /	Grade		O (10 point	scale)	
Mode Transa	of action		Lectures and Practical					Ĵ,				
Course CO CO CO CO CO CO	CO1 To introduce sewing preparatory processes like marker planning, spreading and cutting CO2 To develop an understanding of various defects in a sewing machine and its rectification through proper selection of needle and thread CO3 To understand the importance of fabric grain, layout & use of various finishing techniques, hems, seams, etc. CO4 To demonstrate pattern drafting and stitching of kids wear CO5 To understand post sewing operations like finishing, pressing and packaging											
Unit No.			Торіс	Contact Hours	Weightage	BT Level	со	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)	
1	Fabric sp Spreadin way, sym preparati and two-	oreadir g of fa nmetry on and way d	ng, marker making and cutting: abric: methods of laying - nap one way, nap either 7, fabric grain, face and back side; Marker: 1 placement of marker (stripes, checks, one way esigns); Cutting	7	10	2, 3	CO1	PSO1 PSO2				
2	Compatil other sew Correlati stitch per and mini	bility o ving pa on bet rforma mizing	of sewing needle and sewing thread in relation with arameters: ween sewing thread and fabric and its impact to ance; Controlling stitch performance and quality g of defect occurrence	8	10	2, 3	CO2	PSO1 PSO2	SD	G	G ES	
3	3 Practical: Design features				40	2, 3, 6	CO3	PSO1 PSO2				
			\mathbf{Y}									

	Seams for different types of fabrics correlating with types of	
	needles and threads; Types of tucks - basic, pin, shell, corded;	
	Different types of pleats and gathers; Calculation of fabrics -	
	various styles and age groups; Neckline finishes: importance of	
	stay stitching, importance of notches and slits/clippings, facing	
	and bias facing, bias binding, French binding; Plackets/pockets:	
	two piece placket/kurta placket, continuous placket, patch,	
	welt/bound, in-seam; Types of waistbands; Type of fasteners:	
	buttons/button hole, press button, hook/ eye, velcro, zipper,	
	centered, lapped, concealed; Types of cuff; binding edges: inside	
	corner, outside corner; Type of collars; Peter pan, collar with V-	
	neck, mandarin, shirt collar, roll collar	
4	Practical: Child's basic block and sleeve:	
	Standard body measurements; Garments: baby pants - ruffles, 23 20 23 6 PSO1	
	elastic waist, run and fell seam, bias facing; 'A' line frock - Peter	
	pan collar and puffed sleeve, patch pocket	
5	Practical: Post sewing procedures:	
	Techniques, processes and equipment in finishing; Introduction	
	to ironing, pressing - finishing equipment; Selection of machinery	
	and techniques in relation to style, fabrics and customers'	
	demands under pressing, molding; Elements of pressing - hand 12 10 2, 3, 6 CO5 PSO2	
	irons, buck presser, steam, blowing, foam finisher, steam electric	
	iron, thermostat, buck padding, zero pressure point, carousel	
	press, steam tunnel, steam dolly; Spotting chemicals, packing,	
	pressing, shrinkage.	
Refer	nce Books	
1.	Aldrich, W. (2015). Metric Pattern Cutting for Women's Wear - 6th Edition. New York: Wiley-VCH GmbH & Co.	
2.	Crawford, C. A. (1993). Fashion your Own Skirts the Simple Way. New Delhi: Bloomsbury Publishing India Ltd.	
3.	Juvekar, V. B. (1953). Easy Cutting. Mumbai: Ball Co.	
4.	Moulton, B. (1968). Simplified Tailoring. London: BT Batsford Ltd.	
5.	Pandit, S. (1967). A Manual of Children's Clothing. Mumbai: Orient Longmans Limited.	
6.	Singer. (1989). Sewing Pants that Fit. Minnesota: Cowles Creative Publishing Inc.	
7.	Solinger, J. (1988). Apparel Manufacturing Handbook- Analysis, Principles and Practice. South Carolina: Bobbin Blenheim Media Corp.	
8.	Thomas, A. J. (1996). Art of Sewing. New Delhi: UBJ Publication Ltd.	
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			B.Sc. (Ga	rment Te	chnology): l	Honors	Progra	amme			
Ye	ar	Ι	Core / Elective / Foundation FGT 1202C02: Introduction to Apparel Industry		Cr	edits / Ho	ours per	week	<u>v</u> v	03(3+0) / 03	
Seme	ester	Π	Year of Introduction: 2018 Year of Syllabus Revision: -		Ma	aximum N	/arks /	Grade		O (10 point	scale)
Mode Trans	of action		Lectures								
Cours	e Outco	ome (CC o teach t)) FGT 1202C02 he students the various aspects of the apparel industr	v							
C	02 To	o make t	the students understand as to how fashion apparel is of	lesigned, m	anufactured, ma	arketed an	d distrib	outed			
C	03 To	o impart	knowhow of the apparel production process followe	d in the app	arel industry						
	10 create awareness about brands, consumers and environmental constraints related to rashon										
Unit No.			Торіс	Contact Hours	Weightage	BT Level	СО	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)
1	The ra Structu compa	w mater ure of th any organ	ials of fashion industry: e textile and apparel industry; Ready-to-wear: nization; Organization of the accessories industries	11	25	1, 2	CO1	PSO5			
2	Fashio Fashio catego	Fashion and consumer: Fashion vocabulary; Evolution of fashion; Fashion cycle; Fashion categories; Fashion forecasting; Fashion selection			30	1, 2	CO2	PSO5	SD	D	G
3	Appare Patterr Ticket	Apparel production process: Pattern, grading and marker making; Spreading; Cutting; Ticketing; Bonding; Sewing; Finishing; Quality checking		11	25	1, 2	CO3	PSO5	<u>ם</u> כ	К	ES HV
4	Consu Brands Enviro	mer awa s, labels onmental	areness: and sizes; Consumer redressal system; I and legal concerns	9 20 1,2 CO4 PSO5							

Reference Books
1. Brockman, H. L. (1965). The Theory of Fashion Design. New York: John Willey & Sons.
2. Burns, L. D. & Brayant, N. O. (1997). <i>The Business of Fashion</i> . New York: Fairchild Publications.
3. Carr, H. & Latham, B. (2008). Technology of Clothing Manufacture - 4 th Edition. Oxford: Blackwell Publishing.
4. Chambers, B. G. (1957). Colour and Design in Apparel. New York: Prentice Hall.
5. Cooklin, G. (1997). Garment Technology for Fashion Designers. New Delhi: Wiley India Pvt. Ltd.
6. Frings, G. (1999). Fashion from Concept to Consumer – 9th Edition. New Jersey: Prentice Hall.
7. Glock, R., & Kunz, G. (2005). Apparel Manufacturing: Sewn Product Analysis – Fourth ed. New Delhi: Pearson India Ltd.
8. Jarnow, J. (1965). Inside the Fashion Business. New York: John Willey & Sons.
9. Stone, E. (1999). <i>The Dynamics of Fashion</i> . New York: Fairchild Publications.
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			B.Sc. (Ga	rment Te	chnology): l	Honors	Progra	amme			
Yea	Year I Core / Elective / Foundation FGT 1203C03: Structural Textile Design				Cr	edits / Ho	ours per	week	(OY	06 (3+3) / 09	
Seme	ster	Ι	Year of Introduction: 2014 Year of Syllabus Revision: 2018		Ma	aximum N	/arks /	Grade		O (10 point	scale)
Mode Transa	of action		Lectures and Practical					Ĵ,			
	 CO1 To gain an understanding of woven fabric manufacturing process, different types of weaves, their properties and applications CO2 To impart basic knowledge regarding knitted fabric, different types of knitted structures, their properties and end uses CO3 To understand manufacturing of nonwoven fabrics and their applications with respect to the apparel industry CO4 To get hands on practice of woven fabric manufacturing process 										
Unit No.			Торіс	Contact Hours	Weightage	BT Level	СО	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)
1	Woven f Introduc weaving preparate loom; H dobby an variation	fabrics tion to , card ory pro andloc nd jacc ns; Des	weaving; Methods of weaving: cardboard weaving, frame weaving, loom weaving; Weaving ocesses; Loom and its parts; Preparation of the om, power loom and automatic loom including uard attachments; Basic weaves and their signation on point paper	15	20	1, 2	CO1	PSO1 PSO3	SD	G	ES
2	Knitted i Introduc knitted a types of interlock	tabrics tion to and wo knittin c and p	: knitting; Knit vocabulary; Difference between ven fabrics; Warp and weft knitting; Different g needles; Properties and applications of plain, rib, burl knit structures; Weft and warp knitting	15	20	1, 2	CO2	PSO1 PSO3			
			Y								

3	Non-woven fabrics: Introduction; Web formation: carding, air laying, wet laying, spun bond, melt blown; Web bonding: mechanical, chemical and thermal; Finishing of nonwoven: classification, applications; Application of nonwoven in garments	15	20	1, 2	CO3	PSO1 PSO3			
4	Practical: Woven samples: Preparation of samples by cardboard weaving technique; Preparation of samples of three basic weaves and their variation on the loom and product preparation	68	30	2, 3, 6	CO4	PSO1 PSO3	OL		
5	Practical: Knitted and nonwoven: Visits to knitting and non-woven manufacturing units	22	10	2, 3, 4	CO5	PSO1 PSO3			
Refer	ence Books				(
1.	Ajgaonkar, D. B. (1998). Principles of Knitting. California: University	al Publishir	ng Corporation						
2.	Albrecht, W., Fuchs, H., & Kittelmann, W. (2003). Nonwoven Fabr	<i>ics</i> . New Je	rsey: Wiley-V	CH GmbH	& Co.				
3.	Corbmann, B. P. (1986). Textiles: Fibre to Fabric. New York: McC	Fraw Hills In	nc.						
4.	Gokerneshan, N. (2004). Fabric Structure and Design. New Delhi:	New Age Ir	nternational Pv	t. Ļtd.					
5.	Goswami, B. C. (2004). Textile Sizing. New York: Marcel Dekker I	nc.							
6.	Grosicki, Z. J. (1921). Watson's Textile Design and Colour. New D	elhi: Woodl	nead Publishing	g Ltd.					
7.	Horrocks, A. R. & Anand, S. C. (2000). Handbook of Technical Tex	<i>ctiles</i> . New I	Delhi: Woodhe	ad Publish	ing Ltd				
8.	3. Mazza, C. & Zonda, P. (2003). Textile Reference Book for Knitting. Italy: ACIMIT.								
9.	9. Nisbet, H. (1919). Grammar of Textile Design. London: Greenwood & Sons.								
10.	0. Spencer, D. J. (2001). Knitting Technology: A Comprehensive Handbook and Practical Guide. New Delhi: Woodhead Publishing Ltd., 2001.								
11.	Talukdar, M. K. (1998). Weaving: Machines, Mechanisms, Manage	ment. Ahme	edabad: Mahai	an Publish	ers.				

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			B.Sc. (Gai	rment Te	chnology): I	Honors	Progra	amme			
Yea	ar	I	Core / Elective / Foundation FGT 1204C04: Advance Pattern Making		Cr	edits / Ho	ours per	week		04 (0+4) / 08	
Seme	ster	I	Year of Introduction: 2018 Year of Syllabus Revision: -		Ma	aximum M	/arks /	Grade		O (10 point	scale)
Mode Transa	of action		Practical								
Course Outcome (CO) FGT 1204C04											
	D1 Tou	iders	tand the basic terminologies related to sleeves, patter	ns of sleeve	es and its variati	ions	\Y				
	D2 Tour	iders	tand the basic terminologies related to collars, pattern	is of collars	and its variation	ons					
	05 1000 04 Toer	abla	students to generate well fitting patterns and manipu	lesired III II	a dress	d stula lin					
	D4 T0 C1	scuss	students to generate wen-inting paterns and manpu	making stag	e desire	d style in					
Unit No.			Торіс	Contact Hours	Weightage	BT Level	СО	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)
1	Practical: Basic terr parameter sleeve and patterns a defects an cap / flare / darted / Practical: Basic terr	Sleev ninol rs cor d its s nd nc d the / shi <u>1pc);</u> Colla ninol	ve: ogy of sleeve; Basic pattern of sleeve: various atrolling fit and fall of sleeve, balance points in significance in fit and fall of sleeve, balancing of otches and its importance, discussion on various are rectifications at pattern stage; Sleeve variation – rt / puff; Grown on sleeve – dolman / Raglan (2pc 2pc sleeve patterns ar: ogy of collars; Collar variations – Peter pan / sailor	24	20	2, 3, 4	CO1 CO2	PSO1 PSO2 SPO4 PSO1 PSO2	SD	G	G ES
	/ band /sh	<u>irt - 2</u>	2pc / 1pc, convertible; Balancing of patterns and					PSO4			

						1		4					
	notches and its importance; Grown on collars – shawl collar;												
	Pattern of notch collar												
3	Practical: Dress and its variation:												
	Introduction to fish dart and its difference from the open ended							7					
	darts; Fits of dresses – shift / sheath / box / tent / contoured;					PSO1							
	Importance and relevance of various parameters controlling the	30	25	2, 3, 4	CO3	PSO2							
	fit and fall of dresses; Dress variations – princess / panel;			, ,		PSO4							
	Discussion on various defects and there rectifications at pattern												
	stage												
4	Practical: Trouser and its variation:					DODI							
	Basic trouser block; Terminology used for trouser; Trouser leg	•			GO (PSOI	\mathbf{Y}						
	line variations and fit variations – jeans / slacks / jumpsuit /	30	25	2, 3, 4	CO4	PSO2	Y						
	dungaree; Various components of trouser i.e. pockets / fly etc.					PSO#							
5	Practical: Discussion on various defects and there rectifications at				$\langle \rangle$	PSO1							
	pattern stage	12	10	2, 3, 4	CO5	PSO2							
					N Y	PSO4							
Refere	ence Books				<i>Y</i>								
1.	Al-Haboui, M. H. (1992). Anthropometry for a Mix of Different Pop	pulations. A	msterdam: An	oplied Ergo	nomics	, Elsevier							
2.	Annis, J. F. (1978). Variability in Human Body Size- Anthropometry	ic Source B	ook. Washingt	on DC: NA	ASA Rei	ference P	ublication.						
3.	Aldrich, W. (2015). Metric Pattern Cutting for Women's Wear - 6th	Edition.Nev	w York: Wiley	-VCH Gm	bH & C	0.							
4.	Armstrong, H. J. (2009). Pattern making for Fashion design – 5 th E	dition. Noic	la: Harper Col	lins Publisl	hers Ind	ia.							
5.	Basia, S. (2010). Technical Drawing for Fashion. London: Laurence	e King Pub	lishing.										
6.	Holzman, D. C. (1996). Fewer Sizes Fit All. Technology Review. D	iscussion of	f Paal's metho	d of creatin	ig an op	timized s	izing system based or	n anthropometric data.					
7.	Hudson, P. B. (1979). Generating Patterns. Bobbin. 20(8).												
8.	Peterson, E. A. (1980). Standardization of industrial garment fit: Is	it feasible?	Is it necessar	y? Is it desi	irable?	London:	Industrial Launderer.						
9.	Reich, N., & Goldserry, E. (1993). Development of body measurem	ent tables fo	br women 55 a	ind older a	nd the r	elationsh	ip to ready-to-wear g	arment size. (Research 7	Fechnical				
	Report Number PCN 33-000006-18, ISR 06). Philadelphia: Americ	an Society f	for Testing and	d Materials	/Institut	e for Star	ndards Research.						
10.	Shoben, M. M., & Ward, J. P. (1990). Pattern Cutting and Making	Up – Revise	ed Edition. Ox	ford: Butter	rworth I	Heinmanı	n.						
11.	Singh, D., & Young, R. K. (1995). Body weight, waist-to-hip rational	o, breasts a	and hips: roles	s in judgme	ents of f	èmale at	tractiveness and desi	rability for relationship.	s. Ethology and				
	Sociobiology.												
12.	2. Stoudt, H. W. (1981). <i>The Anthropometry of the Elderly</i> . Human Factors, 23(1).												
13.	3. Suhner, I. A. (2012). Technical Drawing for Fashion Design: Garment Source Book. Netherlands: The Pepin Press.												
14.	Zarapkar, K. R. (2008). Zarapkar System of Cutting. Mumbai: Navi	neet Publica	tion (India) Lt	td.	Zarapkar, K. R. (2008). Zarapkar System of Cutting. Mumbai: Navneet Publication (India) Ltd.								

भूमाम् अप्रधानम् भूमाम् अप्रधानम् सत्त्यं शिवं	भारता निक मुन्दरम् Pro	Maharaja Sayajirao Uni ulty of Family and Comm itute of Fashion Technolo gramme of Garment Tecl	versity of Baroda nunity Sciences ogy hnology	Academic	e Year				Ć	2019-2	0
			B.Sc. (Ga	rment Te	chnology): l	Honors	Progra	amme			
Ye	ar I	Core / Elective FGT 1205F01: Und Mar	e / Foundation erstanding Apparel rket	Credits / Hours per week 04 (2+2) / 0						/ 06	
Seme	ester II	Year of Introduction: 201 Year of Syllabus Revision	14 n: 2018		Ma	aximum N	/arks /	Grade		O (10 point	scale)
Mode Trans	of action	Lectures and Practical									
Cours C(C(C(e Outcome (O1 To und O2 To imp O3 To ana O4 To und	CO) FGT 1205F01 erstand the basic terminologie part basic understanding and k lyze the fashion apparel mark erstand the sizing and constru	es related to apparel marke nowledge of global appare et around the world action detail of apparel from	et el market sco n different i	enario market segmen						
Unit No.		Торіс		Contact Hours	Weightage	BT Level	СО	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)
1	Apparel inc Terms and apparel mat	lustry: terminologies related to appar ket; Factors affecting apparel	el market; Evolution of market	6	10	1, 2	CO1	PSO5			
2	Recent app Post moder late 20th - 2 and sustain	arel market scenario/trends: nization and fashion; Changes 21st century; Globalization an ability, casual wear, semi-forr	s in the fashion market: d e-fashion: eco fashion nal wear, formal wear	9	15	1, 2	CO2	PSO5	SD	R	G ES HV
3	Apparel fas Fashion der retail expar fashion: ma century, ch	hion market analysis: velopment: France, the center sion of fashion; Effects of inc ass production of clothing, reta anges caused by communication	of fashion; beginning of lustrial revolution on ailing during the 19th ons, leisure and	15	25	1, 2	CO3	PSO5			ΠV

	industry; Manufacturing of fashion: Pret-a-Porter, Haute Couture, made to order/custom made garments										
4	Practical:							·			
	Market survey-segments of market: Collection of products from	60	50	1, 2, 4,	004	DOOT					
	different market segments; Analysis of products from different	60	50	5	CO4	PSO5					
	market segments; Making directory of products										
Refere	nce Books										
1.	Burns, L. D., & Bryant, N. O. (1997). The Business of Fashion. Net	w York: Fai	rchild Publica	ations.							
2.	Diamond, J., & Diamond, E. (1997). The World of Fashion - 2 nd Ed	lition. New `	York: Fairchi	ld Publicati	ons.						
3.	Dickerson, K. G. (2009). Inside the Fashion Business – 7 th Edition.	New Delhi:	: Pearson Edu	cation Inc.							
4.	4. Frings, G. (1999). Fashion from Concept to Consumer – 9 th Edition. New Jersey: Prentice Hall.										
5.	Hebrero, M. (2015). Fashion Buying and Merchandising: From Ma	iss-Market t	o Luxury Reta	<i>iil</i> . Canada:	Creates	Space Ind	lependent Publishing Platfor	m.			
6.	Kincade, D. H. (2011). Merchandising of Fashion Products. New D	Delhi: Pearso	on Education.								
7.	Rosenau, J. A., & Wilson, D. L. (2006). Apparel Merchandising: The	he Line Star	ts Here - 2 nd	Edition. Ne	w York:	Fairchild	d Publications.				
8.	Stone, E. (1999). The Dynamics of Fashion. New York: Fairchild P	ublications.			Y						
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5.94 मार्ग प्रधानित सत्यं शिवं	भारत मिल Facu हिन्दु सुन्दरम् Prog	Maharaja Sayajirao University of Baroda Ity of Family and Community Sciences tute of Fashion Technology ramme of Garment Technology	Academic Year						2019-20				
		B.Sc. (Ga	rment Technology): Honors Programme										
Yea	ar I	Core / Elective / Foundation FGT 1206E01: New Materials for Fashion	Credits / Hours per week						02 (2+0) / 02				
Seme	ster I	Year of Introduction: 2018 Year of Syllabus Revision: -		Ma	O (10 point scale)								
Mode Transa	of action	Lectures					<u>````</u>						
Course C(C(C(C(D1 To imp D2 To enab D3 The cou D4 To stud	(CO) FGT 1206E01 art knowledge regarding existing trends related to fashi le students to use fabrics, accessories and related mate rse will inculcate innovative problem-solving approact y alternative methods of fabric joining and their advant	on garments rials for inne h. tages and dis	s. ovative applicat sadvantages	tion to app	oarels.							
Unit No.		Торіс	Contact Hours	Weightage (%)	BT Level	СО	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)			
1	Futuristic m Terms and t fasteners – t ties, others, strings, tape appliqué, be rhinestones,	aterials: innovative application of novel materials: erminologies; Recent trends in: fabrics, closures and uttons, buttonholes, zippers, hooks, drawstrings and rims – braids, cords, fringes, laces, rickrack's, s, ribbons, piping, others, surface embellishment – ads and sequences, embossing, embroidery, printing, others; Their applications	8	25	1, 2	CO1	PSO1	SD	R	G ES			
2	Market rese Market surv Sourcing: ty buttons, butt trims – ribbo tapes, piping	arch: ey of trends in fabrics, trins and accessories; pes, market, cost, fabrics, closures and fasteners – onholes, zippers, hooks, drawstrings and ties, others, ons, rickrack, braids, cords, fringes, laces, strings, c, others, surface embellishments – appliqué, beads	9	30	3, 4, 5	CO2	PSO1			HV			
		Y											

	and sequences, embossing, embroidery, rhinestones, printing,								
	others								
3	Alternate innovations:								
	The creative process: creativity and environment, creativity and	_			~~~				
	character traits: Changing ideas into opportunities: Creative uses	7	25	1, 2, 3	CO3	PSO1			
	of materials other than conventional use								
4	Alternate methods of fabric joining:								
-	Purpose methods advantages and disadvantages: faggeting	6	20	1 2 2	CO4	DSO1			
	fuipose, memous, advantages and disadvantages. Taggoting,	0	20	1, 2, 5	C04	F301			
	rusing; Other methods								
Refer	ence Books								
1.	Adair, J. (2009). The Art of Creative Thinking: How to Be Innovative and Develop Great Ideas, Edition reprint. UK: Kogan Page Publishers.								
2.	Balaram, S. (2011). <i>Thinking Design</i> , National Institute of Design. New Delhi: Sage Publications.								
3.	Brown, S. (2013). Refashioned: Cutting Edge Clothing from Upcyc	led Materia	l, UK: Lauren	ice King Pu	blishing	Ltd.			
4.	Bubonia, J. E. (2014). Apparel Production Terms and Processes. N	ew york: B	loomsbury.						
5.	Carr, H. and Latham, B. (2008). Technology of Clothing Manufactu	ure. Edited l	by David J. Ty	ler, 4th edr	. Oxfor	d: Blackv	vell.		
6.	Clive Hallet, Amanda johnston. (2010). Fabric for Fashion- a com	prehensiv g	uide to natural	l fibers. Lo	ndon: La	aurence k	King Publishing Ltd.		
7.	Guy, C., Bill, L. (2007). The Creative Thinking Plan: How to Gene	rate Ideas a	and Solve Prob	olems in Yo	ur Work	and Life	, Edition revised. Great Britain: Financial Times/Prentice		
	Hall.		~						
8.	Jennings, T. (2011). Creativity in fashion design- An inpiration work	rkbook . US	A: Faichlid Bo	ooks,					
9.	Lau, J. Y. F. (2011). An Introduction to Critical Thinking and Crea	tivity: Thinl	k More, Think	Better. Nev	w Jersey	: John W	'iley & Sons.		
10.	O'Day, R. (2010). Creative Thinking, Edition reprint. US: Kessinge	r Publishing	g.	/					
11.	Worsely, H. (2011). 100 Ideas that changed fashion. London: Laur	ence King I	Publishing Ltd.						
12.	The ICFAI University (2004). Creativity, Hyderabad: ICFAI University	rsity.							
13.	http://www.brainstorming.co.uk/tutorials/creativethinking.html								

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0.41614	grand Pro	gramme of Garment Technology									
		B.S	c. (Garment	Technology)	: Honors	Progra	amme		1		
Yea	ar I	Core / Elective / Foundation FGT 1207I02: Entrepreneur Developm	nent	Credits / Hours per week 02 (2+0) / 02						/ 02	
Seme	ster I	Year of Introduction: 2014 Year of Syllabus Revision: 2018		Maximum Marks / Grade O (10 point scale)						scale)	
Mode Transa	of action	Lectures									
Cours	e Outcome (CO) FGT 1207I02									
CO	D1 To acq	uaint the students with an in depth knowledge so	ource for an inte	nding entreprene	eur	$\mathbf{\setminus \mathbf{Y}}$					
	32 To ena 33 To aid	students to adopt and implement the entrepreneu	rial functions in	practice							
	55 10 alu	students to adopt and implement the endeprenet	indi functions n	praetiee							
Unit		Торіс	Conta	ct Weightag	e BT	CO	PSO	Elements of	Relevance to Local	Relation to	
No.		-	Hour	s (%)	Level			Employability	(L)/ National (N)/	Gender (G),	
								(Emp)/	Regional(R)/Global	Environment	
					,			(Ent)/ Skill	(U)	and Sustainability	
								Development		(ES), Human	
								(SD)		Values	
										(HV)and	
										Professional Ethics (PE)	
1	Concept de	velopment for an enterprise:								Ethics (TE)	
-	Entrepreneu	ar and entrepreneurship: an introduction; Busine	ss	20	1.0	CO1	DEOC				
	system: an i	introduction; Entrepreneurial process and theorie	es; 9	30	1, 2	COI	PS06				
	Business ov	wnership; Entrepreneurial development program	Y								
2	Enterprise f	inancing and management:	•					EMP	~	HV	
	Finance pla	nning; Working capital and inventory managem	ent; 12	40	1, 2	CO2	PSO6	ENT	ENT G		
	Production Personnel n	and operation management; Marketing manager	nent;					SD			
3	Enterprise	levelopment:									
	Growth stra	ategies; Accounting; Sickness in enterprise; E-	9	30	1, 2	CO3	PSO6				
	commerce;	Franchising									
Refere	nce Books										
1.	Chandran, l	R. (2009). International Business – Second ed. N	/umbai: Jaico P	ublishing House	•						
2.	Khanka. S.,	S. (2010). Entrepreneurial Development. New	Delhi: S. Chand	& Co. Ltd.							
		Y									

3. Kotler, P. (2004). Principles of Marketing – Tenth ed. New Delhi: Prentice Hall of India Pvt. Ltd. 4. Singh, B. (2007). Entrepreneurship Development. New Delhi: Wisdom Publication.
4. Singh, B. (2007). Entrepreneurship Development. New Delhi: Wisdom Publication.
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			B.Sc. (Ga	rment Technology): Honors Programme									
Yea	ar	Π	Core / Elective / Foundation FGT 1301C01: Anthropometrics and Sizing	Credits / Hours per week						05 (1+4) / 09			
Seme	ster	III	Year of Introduction: 2014 Year of Syllabus Revision: 2018		Ma	O (10 point	O (10 point scale)						
Mode of Transa	of action		Lectures and Practical										
Course Outcome (CO) FGT 1301C01 CO1 To understand the importance of anthropometric studies and development of size chart through body measurements CO2 To study the different size charts and sizing methods followed by apparel manufacturers CO3 To impart knowledge to develop technical sketches and specification sheets CO4 To impart practical knowhow about the technicalities of darts and contouring CO5 To demonstrate the different methods of sizing and grading													
Unit No.			Торіс	Contact Hours	Weightäge	BT Level	СО	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)		
1	Study of Relativ head th of size	of huma e length eory; A chart fo	n figure: and girth measurement for women and men - 8 nalysis of anthropometric studies and development r development of apparels.	8	10	1, 2	CO1	PSO1 PSO2					
2	Sizing Sizing body m measur	followed standard neasuren re techno	d by manufacturers of apparel products: ls – woven apparels and knit wears) Standardizing nents - importance and techniques; Made-to- ology – proprietary materials: Body scanning	7	10	1, 2	CO2	PSO1 PSO2	SD	G	G ES		
3	Practica Design techniq knits; [al: Deve illustrat jues; Te Develop	elopment of technical sketches: tion- flat/technical sketches-methods and chnical sketches of tops, skirts, dresses, trousers, ing the spec sheet	30	20	2, 3, 4, 5	CO3	PSO1 PSO2					

4	Practical: Designing with darts: Graduated and radiating darts; Parallel darts; Asymmetric darts; Intersecting darts	22	15	2, 3, 4, 5	CO4	PSO1 PSO2	Ċ	A			
5	Practical: Contouring: Contouring principles; Contour guide patterns; Classic, empire, surplice, off-shoulder, halter	30	20	2, 3, 4, 5	CO4	PSO1 PSO2		2			
6.	Practical: Sizing and grading: Generation of size chart;; Grading rules; Methods of grading- radial, cut slash and spread, nest and stack and vector; Grading of patterns (women's wear, men's wear, children's wear)	38	25	2, 3, 4, 5	CO5	PSO1 PSO2					
Refer	parce Books				L		<u>}</u>				
1	Al-Haboui M H (1992) Anthronometry for a Mix of Different Pou	nulations A	msterdam: A	nnlied Ergo	nomics	Elsevier	-				
2.	Annis, J. F. (1978). Variability in Human Body Size- Anthropometr	ic Source B	ook. Washing	ton DC: NA	ASA Ref	ference P	Publication.				
3.	Aldrich, W. (2015). Metric Pattern Cutting for Women's Wear - 6 th	Edition.Nev	w York: Wiley	-VCH Gm	6H & C	Q.					
4.	Armstrong, H. J. (2009). Pattern making for Fashion design – 5th E	dition. Noic	la: Harper Col	llins Publis	hers Ind	ia.					
5.	Basia, S. (2010). Technical Drawing for Fashion. London: Laurence	e King Pub	lishing.								
6.	Holzman, D. C. (1996). Fewer Sizes Fit All. Technology Review. D	iscussion of	f Paal's metho	d of creatin	g an opt	timized s	izing system based	on anthropometric data.			
7.	Hudson, P. B. (1979). Generating Patterns. Bobbin. 20(8).										
8.	Peterson, E. A. (1980). Standardization of industrial garment fit: Is	it feasible?	Is it necessar	y? Is it des	irable?	London:	Industrial Laundere	r.			
9.	Reich, N., & Goldserry, E. (1993). Development of body measurem	ent tables fo	or women 55 c	ind older a	nd the re	elationsh	ip to ready-to-wear	garment size. (Research	Technical		
10	Report Number PCN 33-000006-18, ISR 06). Philadelphia: Americ	an Society f	for Testing an	d Materials	/Institut	e for Star	ndards Research.				
10.	Shoben, M. M., & Ward, J. P. (1990). Pattern Cutting and Making	<u>Up – Revise</u>	d Edition. Ox	ford: Butter	rworth H	Heinmani	n.				
11.	Singh, D., & Young, R. K. (1995). <i>Body weight, waist-to-hip ratio</i> , Sociobiology.	breasts and	l hips: roles in	i judgments	of fema	ile attrac	tiveness and desiral	oility for relationships. E	thology and		
12.	Stoudt, H. W. (1981). The Anthropometry of the Elderly. Human Fa	actors, 23(1)									
13.	Suhner, I. A. (2012). Technical Drawing for Fashion Design: Garm	ent Source	Book. Netherl	ands: The l	Pepin Pr	ess.					
14.	Zarapkar, K. R. (2008). Zarapkar System of Cutting. Mumbai: Navi	neet Publica	tion (India) L	td.							
	FASHIONAN										
त्वा का गामित	मान्दरम् Pro	e Ma culty tituto grar	haraja Sayajirao University of Baroda of Family and Community Sciences e of Fashion Technology mme of Garment Technology	Academic Year						2019-20	
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			B.Sc. (Gan	rment Te	chnology): l	Honors	Progra	amme			
Ye	ar II		Core / Elective / Foundation FGT 1302C02: Kid's and Women's Wear		Cr	edits / Ho	ours per	week		04 (0+4) / 08	
Seme	ster II	[Year of Introduction: 2018 Year of Syllabus Revision: -		Ma	iximum M	/larks /	Grade		O (10 point	scale)
Mode Trans	of action		Practical								
Cours C(C(C(C(Course Outcome (CO) FGT 1302C02 CO1 To understand the different sewing machines used in apparel industry CO2 To construct garments by incorporating various garment construction techniques for women's and kid's wear CO3 To understand the finishing of sleeves and waistband CO4 To inculcate understanding regarding operational breakdown and preparation of spec sheet										
TT 1				<u> </u>				DGO			
Unit No.			Торіс	Contact Hours	(%)	Level		PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Kelation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)
1	Practical: I Basic sewi needle bar, guides, bob tack lever, feed, uniso	ndust ng ma take obin a needl n fee	trial and specialized sewing machine: achine: presser foot, throat plate, presser spring, up lever, tension device, take up spring, thread and bobbin case, feed dog, stitch regulator, back le; Feed mechanism: variable top feed, needle d, compound feed	24	20	2, 3	CO1	PSO1 PSO2	CD.	C	G
2	Practical: S Skirt and variation; I	Stitch its va Dress	ing of kid's garments: ariation; Trouser and its variation; Shirt and its and its variation	24	20	3, 4, 6	CO2	PSO1 PSO2	50	G	ES HV
3	Practical: S Skirt and it variation; I	Stitch s var Dress	ing of women's garments: iation; Trouser and its variation; Shirt and its and its variation	24	20	3, 4, 6	4,6 CO2 PSO1 PSO2				
	, , ,		Kr.								

4	Practical: Sleeves and waistband:	24	20	3, 4, 6	CO3	PSO1				
5	Practical: Operation breakdown and spec sheet preparation:			234		PS03				
c	Garment operation breakdown and process flow	24	20	5	CO4	PSO4				
Refere	ence Books									
1.	Aldrich, W. (2015). Metric Pattern Cutting for Women's Wear - 6 th Edition.New York: Wiley-VCH GmbH & Co.									
2.	Carr, H. & Latham, B. (2008). Technology of Clothing Manufacture - 4 th Edition. Oxford: Blackwell Publishing.									
3.	Crawford, C. A. (1993). Fashion your Own Skirts the Simple Way. New Delhi: Bloomsbury Publishing India Ltd.									
4.	Glock, R. E., & Kunz, G. I. (2005). Apparel Manufacturing: Sewn Product Analysis - 4 th Edition. Chennai: Pearson India									
5.	Juvekar, V. B. (1953). Easy Cutting. Mumbai: Ball Co.									
6.	Moulton, B. (1968). Simplified Tailoring. London: BT Batsford Ltd.									
7.	Pandit, S. (1967). A Manual of Children's Clothing. Mumbai: Orie	nt Longmans	s Limited.							
8.	Singer. (1989). Sewing Pants that Fit. Minnesota: Cowles Creative	Publishing I	nc.							
9.	Thomas, A. J. (1996). Art of Sewing. New Delhi: UBJ Publication	Ltd.								
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			B.Sc. (Ga	rment Te	chnology): l	Honors	Progra	amme	10		
Yea	ar	Π	Core / Elective / Foundation FGT 1303C03: Garment Production and Machinery		Credits / Hours per week				04 (3+1) / 05		
Seme	ster	III	Year of Introduction: 2014 Year of Syllabus Revision: 2018	Maximum Marks / Grade O (10 point scale)					scale)		
Mode o Transa	of action		Lectures and Practical								
COURSE CO CO CO CO CO	 CO1 To enable the students to understand the mass production technical knowhow in a readymade garment manufacturing unit CO2 To inculcate understanding regarding the various types of machines and its accessories used for apparel manufacturing in bulk CO3 To expose the students to the latest practices and technological world of garment production CO4 To enable the students to select appropriate machinery for the production of the required production line in a readymade garment unit CO5 To develop practical understanding regarding different ways to overcome problems during the process 										
Unit No.			Торіс	Contact Hours	Weightage	BT Level	СО	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)
1	Marke Marke require method require Cutting cut wo	er plannin er plannin ements o ds of ma ements o g: object ork for th	ng, spreading and cutting: ng: planning, drawing and reproducing the marker, f marker planning, maximizing marker utilization, rker planning; Spreading: spreading the fabric, f the spreading process, methods of spreading; ives of cutting, methods of cutting, preparation of e sewing room	12	20	1, 2	CO1	PSO3	SD	G	ES
2	Industr Seam Sewin	rial sewi types; S g machi	ng: itch types; Sewing machine feed mechanisms; ne needles; Sewing threads	12	20	1, 2	CO2	PSO3			
3	Sewing	g machi	nery:	8	15	1, 2	CO2	PSO3			

	Classification of sewing machines; Basic sewing machine shapes								
	and associated work aids; Automatic machines								
4	Garment accessories and enhancements:							Y	
	Labels; Decoration; Fabrics for support and insulation; Narrow	8	15	1, 2	CO3	PSO3			
	fabric trims; Fastenings								
5	Alternative methods of joining materials:								
	Fusing: advantages of using fusible interlinings, requirements of						\sim		
	fusing, fusing process, factors affecting fusing, fusing equipment,	5	10	1, 2	CO4	PSO3			
	methods of fusing, quality control in fusing; Welding and								
	adhesives								
6	Practical: Troubleshooting in the cutting and sewing room	30	20	2, 3, 4	CO5	PSO3	Y		
Refer	ence Books				(Y		
1.	Bheda, R. (2003). Managing Productivity in the Apparel Industry.	New Delhi:	CBS Publishe	rs & Distri	butors.				
2.	Carr, H. & Latham, B. (2008). Technology of Clothing Manufactur	e - 4 th Editio	on. Oxford: Bl	ackwell Pu	blishing				
3.	Chuter, A. J. (1995). Introduction to Clothing Production Manager	nent - 2 nd Ed	ition. Oxford:	Blackwell	Publish	ing.			
4.	Cooklin, G. (1997). Garment Technology for Fashion Designers. N	lew Delhi: V	Viley India Pv	vt. Ltd.					
5.	Fan, J., & Hunter, L. (2009). Engineering Apparel Fabrics and Gau	<i>rments</i> . New	v Delhi: Wood	lhead Publi	shing Pv	vt. Ltd.			
6.	Glock, R. E., & Kunz, G. I. (2005). Apparel Manufacturing: Sewn	Product And	alysis - 4 th Edi	tion. Chem	nai: Pear	rson India	a.		
7.	Jones, I., & Stylios, G., K. (2013). Joining Textiles: Principles and	Application	s. New Delhi:	Woodhead	d Publis	hing Pvt.	Ltd.		
8.	. Rathinamoorthy, R., & Surjit, R. (2015). Apparel Machinery and Equipments. New Delhiv Woodhead Publishing Pvt. Ltd.								
9.	Solinger, J. (1988). Apparel Manufacturing Handbook- Analysis, P	rinciples an	d Practice. So	outh Carolin	na: Bobl	bin Blenh	neim Media Corp.		

Linents: New Delhi Wood Linsis, Principles and Practice. South C

मत्यं शिवं	ति	Iaharaja Sayajirao University of Baroda ty of Family and Community Sciences 1te of Fashion Technology amme of Garment Technology	Academi	Academic Year					2019-20	
		B.Sc. (Ga	rment Te	chnology):	Honors	Progra	amme			
Yea	ar II	Core / Elective / Foundation FGT 1304C04: Textile Testing	Credits / Hours per week						04 (2+2) / 06	
Seme	ster III	Year of Introduction: 2018 Year of Syllabus Revision: -		Ma	aximum M	/arks /	Grade		O (10 point	scale)
Mode Transa	of action	Lectures and Practical)))			
	C01 To make the students understand the importance and application of textile testing C02 To understand the importance of strength testing of various textile materials C03 To enable the students to understand the testing of yarns and fabrics used for apparels and its end uses C04 To help the students to understand the fabric performance and its evaluation C05 To practically demonstrate the yarn and fabric testing procedures followed in an apparel industry Unit Topic Contact Weightage BT C0 PSO Elements of Relevance to Local Relation to									
Unit No.		Торіс	Contact Hours	Weightäge (%)	BT Level	СО	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)
1	Textile testing Importance of Sampling: ain numerical and	textile testing; Standard atmospheric conditions; n of sampling; Types of sampling: random, bias, zoning	5	10	1, 2	CO1	PSO3			
2	Yarn count, tw Yarn numberi balance, wrap twist on fabric Yarn strength	vist and strength: ng instruments – quadrant balance, Knowles reel; Yarn twist testing: type of twist, effect of property, different methods of twist measurement; testing: principles and methods	5	10	1, 2	CO3	PSO3	SD	G	ES
3	Tensile testing Tensile terms: work of ruptur	g: load, breaking load, stress, strain, initial modulus, re, CSP, RKM; Principle for testing tensile strength:	10	20	1, 2	CO2	PSO3			
		Y								

									-
	CRT and CRL; Single yarn strength tester; Tensile strength							1	
	testing; Bursting strength testing; Tearing strength testing; Seam								l
	strength testing							Y	l
4	Fabric testing:								l
	Quality parameters of a fabric; Fabric thickness testing; Fabric								l
	abrasion resistance: classification of abrasion, parameters								l
	affecting testing of abrasion resistance, assessment of abrasion						\sim		l
	damage; Pilling of fabrics: factors responsible, ICI pill box tester;	10	20	1, 2	CO4	PSO3			l
	Measurement of air permeability and water repellency: air								l
	permeability test, water permeability, drop test, spray test;								l
	Parameters affecting handle of fabric: drape ability, fabric				,	$\boldsymbol{\lambda}$	Y		l
	stiffness; Crease resistance and crease recovery tester				C				l
5	Practical: Yarn testing:			231) 7			
	Yarn count measurement; Yarn twist measurement; Yarn strength	22	15	2, 3, 4,	CO5	PSO3			l
	tests			5					l
6	Practical: Fabric testing:								
	Drape measurement; Crease recovery measurement; Abrasion			Χ.	<i>y</i>				l
	resistance testing; Stiffness testing; Fabric grab strength and strip	38	25	2, 3, 4,	COS	PSO3			l
	strength testing on tensile testing machine; Tearing strength	50	25	<u> </u>	005	1305			l
	measurement; Bursting strength measurement; Seam strength			\mathbf{Y}					l
	measurement								
Refer	ence Books								
1.	Saville, B. P. (2000). Physical Testing of Textiles. New York: CRC	Press LLC.							
2.	Booth, J. E. (1996). Principles of Textile Testing – 3rd Edition. New	v York: CB	S Publishers &	Distributo	rs Pvt. I	Ltd.			
3.	Skinkle, J. H. (1949). Textile Testing. New York: Chemical Publish	ing Inc.							
4.	Morton, W. E. & Hearle J. W. S. (2008). Physical Properties of Textile Fibers 4 th Edition. New Delhi: Woodhead Publishing Ltd.								
5.	Kothari, V. K. (1999). Testing and Quality Management. New Delhi: IAFL Publications.								
6.	Mehta, P. V. (2012). Quality Management Handbook for the Appar	el Industry.	New Delhi: Ne	ew Age In	ternation	nal Pvt. L	.td.		

Herei forei	ar II	Maharaja Sayajirao University of Baroda Ilty of Family and Community Sciences Itute of Fashion Technology gramme of Garment Technology B.Sc Core /-Elective / Foundation FGT 1305C05: Fabric Processing and	Academ Academ c. (Garment T	ic Year echnology):] Cı	Honors 7	Progra	nmme week		2019-2 04 (2+2)	0
Seme	ster III	Finishing Year of Introduction: 2018 Year of Syllabus Revision: -		Maximum Marks / Grade O (10 point scale)						scale)
Mode Transa	of action	Lectures and Practical								
	D1 To enab D2 To gain D3 To impa D4 To prac	ble the students to learn about the wet processes of an understanding of dyeing and printing method art knowledge about the different finishes and the tically demonstrate the dyeing and printing of ter	of textile industry ls eir method of app xtile materials wi	blications th different type	s of dyes a	and usin	g differer	nt techniques		
Unit No.		Торіс	Contact Hours	Weightage (%)	BT Level	со	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)
1	Dyeing: Sequence an Classification methods of o	nd objectives of fabric preparatory processes; on of dyes based on method of application; Dyein cellulosic, protein and synthetic fibres	ng 9	15	1, 2	CO1 CO2	PSO1 PSO3			
2	Printing: Difference b direct, disch screen, digit	between dyeing and printing; Styles of printing: arge and resist; Methods of printing: block, rolle al; After treatment processes: fixation	9 9	15	1, 2	CO2	PSO1 PSO3	SD	G	G ES
3	Finishing: Objectives a finishes; Pri softening, st resistance, s	and significance of finishing; Classification of nciple, process and application of chemical finisl iffening, durable press finish, weighing, crease oil release, flame retardant, water repellent, rot a	hes: 12 nd	20	1, 2	CO3	PSO1 PSO3			

	mildew, moth proof and antistatic finish; Principle, process and application of mechanical finishes: calendaring, sanforizing.								
	raising brushing crabbing decatizing parchmenting milling								
	etc								
- 1	Prostical: Dysing:								
4	Design of action folgie with direct day monthing day and day and			2 2 5		DCO1			
	Dyeing of cotton fabric with direct dye, reactive dye, vat dye and	36	30	2, 5, 5,	CO4	PSUI			
	sulphur dye; Dyeing of silk fabric with acid dye and basic dye;			6		PSO3			
	Dyeing of wool fabric using metal complex dye and reactive dye								
5	Practical: Printing:			2 2 5		DSOL			
	Printing of cotton using direct, resist and discharge styles (for	24	20	2, 5, 5,	CO4				
	each select one or two dyes)			6	,	PSOS			
Refer	ence Books				(7		
1.	Broadbent, A. D. (2001). Basic Principles of Textile Coloration. Lo	ondon: Socie	ty of Dyers a	nd Colouris	sts.				
2.	Datya, K. V., & Vaidya, A. A. (1984). Chemical Processing of Synthetic Fibers and Blends. New York: Wiley-VCH GmbH & Co.								
3.	Lewin, M., & Sello, S., B. (1984). Chemical Processing of Fibers and Fabrics – Functional Finishes, Part B. New York: Mercel Dekker.								
4.	Marsh, J. T. (1979). An Introduction to Textile Finishing. Ahmedabad: B. I. Publications Pvt. Ltd.								
5.	Miles, L. W. C. (1994). Textile Printing: 2 nd Edition. London: Society of Dyers and Colourists.								
6.	Schindler, W. D., & Hauser, P. J. (2004). Chemical Finishing of Textiles. New Delhi: Woodhead Publishing Ltd.								
7.	Shenai, V. A. (1981). Technology of Textile Processing - Vol. III, V, VII & VIII. Chennai: Shevak Publications.								

<u>ibresting</u> <u>is B. Publications</u>. <u>is void Dyers and Colourists</u>. <u>Textiles. New Delhi: Woodfead Proc.</u> <u>in V. VII & VIII. Chennais Shouk Publication</u>. <u>in V. VII & VIII. Chennais Shouk Publication</u>.

मत्यं शिवं	ा The M Facul मुल्दरम् Progr	Maharaja Sayajirao University of Baroda Ity of Family and Community Sciences ute of Fashion Technology ramme of Garment Technology	Academic Year						2019-20	
		B.Sc. (Ga	rment Te	chnology): l	Honors	Progra	amme			
Ye	ar II	Core / Elective / Foundation FGT 1306E02: Fashion Branding		Cr	edits / Ho	ours per	week		02 (2+0) / 02	
Seme	ester III	Year of Introduction: 2014 Year of Syllabus Revision: 2018	Maximum Marks / Grade						O (10 point	scale)
Mode Trans	of action	Lectures								
Course Outcome (CO) FGT 1306E02										
C	O1 To apply	branding concepts to create a personal/fashion brand								
	D2 To demo	instrate the value and importance of the brand for the c	company and	the customer	/					
	JS To defin	e the branding process and develop a roadmap for crea	ating a branc							
Unit		Tonic	Contact	Weightage	BT	CO	PSO	Elements of	Relevance to Local	Relation to
No.		Торк	Hours	(%)	Level	co	150	Employability	(L)/ National (N)/	Gender (G).
1,00								(Emp)/	Regional(R)/Global	Environment
								Entrepreneurship	(G)	and
				\mathbf{O}				(Ent)/ Skill		Sustainability
								Development		(ES), Human
								(SD)		Values
				×						(HV)and
										Ethics (PE)
1	Branding and	branding process:								Eulies (IE)
1	The brand de	efinition: Types of brand: Brand life cycles:								
	Branding and	marketing; Determining the brand level; Company	9	30	1, 2	CO1	PSO5			
	and the custo	mer; Position strategy; Brand communication								
2	Luxury and r	etail brands:								
ľ	Why luxury l	orands? Defining luxury brands; Luxury and						FMP		G
	traditional ma	arketing principles; How to create a "star" luxury						ENT	G	ES
	brand; Privat	e labels; Retail brands: product vs. service, retail	14	45	1, 2	CO2	PSO5	SD	5	HV
	brand decisio	n, retail customer, retail concept: retail channels,								PE
	positioning b	ased on retail concept, merchandise, price, location,								
3	A ge of intera	ctive wireless and virtual brands:						1		
5	Interactive b	rand mass communication · Wireless brand RFID	7	25	12	CO3	PSO5			
	and mobile te	chnologies M-branding, beaming, audio targeting	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$							
		· · · · · · · · · · · · · · · · · · ·	1							

Reference Books
1. Abellam, M. & Minquet, J., M. (2010). Fashion Branding. London: Trans-Atlantic Publications.
2. Brennan, B. & Schafer, L. (2012). Branded: How Retailers Engage Consumers with Social Media and Mobility. New Jersey: Hoboken & SAS Business.
3. Chanalier, M. & Mazzalovo, G. (2008). Luxury Brand Management: A world of Privilege. New Jersey: Hoboken.
4. Hancock, J. (2009). Brand/Story: Ralph, Vera, Johnny, Billy and other Adventures in Fashion Branding. New York: Fairchild Books.
5. Kendall, G. (2009). Fashion Brand Merchandising. New York: Fairchild Books.
6. Meadows, T. (2007). <i>How to Step up and Run a Fashion Label</i> . London: Laurance King Publishing.
7. Okonkwo, U. (2007). Luxury Fashion Branding: Trends, Tactics, Techniques. London: Palgrave Macmillan.
8. Tangate, M. (2012). Fashion Brands: Branding Style from Armani to Zara. London: Kogan.
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STATISHAJIRAO		The M Facult	aharaja Sayajirao University of Baroda y of Family and Community Sciences							A		
		Institu	te of Fashion Technology	Academic	Year					2019-2	2019-20	
सत्यं शिवं	सुन्दरम्]	Progra	amme of Garment Technology									
			B.Sc. (Ga	rment Te	chnology): l	Honors I	Progra	amme				
Yea	ar	II	Core / Elective / Foundation FGT 1307I02: Shop Floor Management	Credits / Hours per week					02 (2+0) / 02			
Seme	ester	ш	Year of Introduction: 2014 Year of Syllabus Revision: 2018	Maximum Marks / Grade C						O (10 point	scale)	
Mode Transa	of action		Lectures									
Cours	e Outcor	ne (CC	D) FGT 1307I03			~						
	01 To 02 To	acquai	nt the students with the different components and pro	cesses takii	ng place on sho	p floor						
C	02 TO	unders	tand the importance of space and its proper managen	ent and util	ization on shop	floor to e	enhance	productiv	vity			
Unit No.			Торіс	Contact Hours	Weightage	BT	СО	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)	
1	Shop flo Definiti operation manage	oor mai ons: sh on detai ment p	nagement overview: top floor, yield, costing supports, standard ils, lot sector extensions, inventory; Shop floor arameters	9	30	1, 2	CO1	PSO4				
2	Invento Invento transact transfer for shop floor: su related s	ry plan ry lot tr ion, lot ring; C o floor; mall/me symbol nalvsis	ning and layouts: ransaction: material, resource and cost t splitting, lot managing, lot transacting and lot reating inventory lot transaction creating lots Time motion theory; Layout analysis of shop edium/large; Flow process chart; Industry s	12	40	1, 2	CO2	PSO4	SD	G	ES PE	
5	Wareho	ouse; Ci	utting room; Sewing room; Finishing	9 30 1,2 CO3 PSO4								
Refere	ence Boo	ks										
			>									

1.	Bheda, R. (2003). Managing Productivity in the Apparel Industry. New Delhi: CBS Publishers & Distributors.
2.	Cooklin, G. (1997). Garment Technology for Fashion Designers. New Delhi: Om Books Service.
3.	Carr, H. & Latham, B. (2008). Technology of Clothing Manufacture - 4 th Edition. Oxford: Blackwell Publishing.
4.	Chuter, A. J. (1995). Introduction to Clothing Production Management - 2 nd Edition. Oxford: Blackwell Publishing.
4.	Chuter, A. J. (1995). Introduction to Clothing Production Management - 2 rd Edition. Oxford: Blackwell Publishing.
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		B.Sc. (Ga	arment Te	chnology):	Honors I	Progra	amme			
Yea	ır II	Core / Elective / Foundation FGT 1401C01: Men's Wear		Cı	edits / Ho	ours per	week		04 (0+4) / 08	
Seme	ster IV	Year of Introduction: 2018 Year of Syllabus Revision: -		Ma	aximum N	/Iarks /	Grade		O (10 point	scale)
Mode Transa	of action	Practical					<u> </u>			
Course	e Outcome (CO) FGT 1401C01			1 : 1	\mathbf{N}				
	D1 10 enal D2 To dem	one the students to drafting and stitching of men's garm	lents like shii lated probler	rts, trousers and ns and precauti	d jackets	Y				
C	D3 To und	erstand the techniques of sample development from sp	ec sheet	ns und procudu		Y				
			1			1	I			
Unit No.		Торіс	Contact Hours	Weightage (%)	BT	СО	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)
1	Practical: D Different fe cuff, placke different typ pockets, lap	rafting and stitching of men's garments in trends: atures to be covered: shirt- yoke, collars, sleeves, s, pockets, variation in hemlines; Trouser- vaistband, e of pockets, fly; Jacket - Linings, interlinings, el	36	30	2, 3, 4, 5, 6	CO1	PSO1 PSO2			
2	Practical: Se Types of sea threads; Sev	wing fundamentals of knitted fabrics: ms; Stitch type; Sewing machine needles and ving problems and seam performance	24	20	2, 3	CO2	PSO1 PSO2	SD	G	G ES
3	Practical: C Men's polo	onstruction of knitted garments: neck t-shirt; Kids shorts	24	20	2, 3, 4, 5, 6	CO2	PSO1 PSO1			
4	Practical: Sa Specificatio designed ga	Imple preparation from spec sheet: In sheet analysis and its pattern making for the Imple garment	the 36 30 $\begin{bmatrix} 2, 3, 4, \\ 5, 6 \end{bmatrix}$ $\begin{bmatrix} CO3 \\ PSO2 \\ PSO3 \\ PSO4 \end{bmatrix}$							
		>								

Refer	ence Books
1.	Aldrich, W. (2015). Metric Pattern Cutting for Women's Wear - 6th Edition. New York: Wiley-VCH GmbH & Co.
2.	Cooklin G. (1997). Garment Technology for Fashion Designers. New Delhi: Wiley India Pvt. Ltd.
3.	Crawford, C. A. (1993). Fashion your Own Skirts the Simple Way. New Delhi: Bloomsbury Publishing India Ltd.
4.	Juvekar, V. B. (1953). Easy Cutting. Mumbai: Ball Co.
5.	Long, C. (2000). Sewing with Knits: Classic, Stylish Garments from Swimsuits to Eveningwear. Connecticut: Taunton Press.
6.	Moulton, B. (1968). Simplified Tailoring. London: BT Batsford Ltd.
7.	Pandit, S. (1967). A Manual of Children's Clothing. Mumbai: Orient Longmans Limited.
8.	Singer. (1989). Sewing Pants that Fit. Minnesota: Cowles Creative Publishing Inc.
9.	Thomas, A. J. (1996). Art of Sewing. New Delhi: UBJ Publication Ltd.
10.	Zarapkar, K.R. (2008). Zarapkar System of Cutting. Navneet Publication (India) Ltd., Mumbai.
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			B.Sc. (Ga	rment Te	chnology): 1	Honors	Progra	amme			
Yea	ır	Π	Core / Elective / Foundation FGT 1402C02: Computer Aided Pattern Designing and Development	Credits / Hours per week 05 (1+4) / 09				09			
Semes	ster	IV	Year of Introduction: 2014 Year of Syllabus Revision: 2018	Maximum Marks / Grade O (10 point scale)						scale)	
Mode o Transa	of Iction		Lectures and Practical								
Course Outcome (CO) FGT 1402C02 CO1 To understand the different software used for pattern designing in apparel industry CO2 To develop an understanding of pattern grading and making with different production methods using CO3 To develop competency in CAD applications for pattern making											
Unit No.			Торіс	Contact Hours	Weightage (%)	BT Level	СО	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)
1	Introdu Differe softwa	uction to ent software in gau	o computer aided pattern design and development: ware those are used in garment industry; Need of rment industry	15	20	1, 2	CO1	PSO1 PSO2 PSO4			
2	Practic Pattern Pattern master	cal: Intro n making n grading r pattern	bduction to Zyndex software: g: basic block, basic skirt, T-shirt, trouser, shirt; g: grading standard size blocks to various size, grading; Marker planning	45	30	2, 3, 6	CO2	PSO1 PSO2 PSO4	EMP	G	G
3	Practic Pattern Pattern master	cal: Intro n making n grading r pattern	oduction to Tukatech soffware: g: basic block, basic skirt, T-shirt, trouser, shirt; g: grading standard size blocks to various size, grading; Marker planning	45	30	2, 3, 6	CO2	PSO1 PSO2 PSO4	SD	U	ES
4	Practic Fitting in vari	cal: Fitting: analysions garr	ng and pattern alteration in CAD: is of garment fit on a toile, solving fitting problems nents; Pattern alteration-importance of altering	30	20	2, 3, 4, 5, 6	CO3	PSO1 PSO2 PSO4			

patterns: Common pattern alterations in a garment, alteration	of						
pattern for irregular figures					,		
Reference Books							
1. Armstrong, H. J. (2009). Pattern making for Fashion design –	5 th Edition. Noida:	Harper Collins Publis	shers India.				
2. Cooklin G. (1992). Pattern Cutting for Women's Outerwear.	New Delhi: Wiley I	ndia Pvt. Ltd.	· · · · · ·				
3. Cooklin G. (1990). Pattern Grading for Women's Clothes. New Delhi: Wiley India Pyt. Ltd.							
4. Cooklin G. (1992). Pattern Grading for Men's Clothes. New Delhi: Wiley India Pyt. Ltd.							
5. Cooklin G. (1991). Pattern Grading for Children's Clothes. N	ew Delhi: Wiley In	dia Pvt. Ltd.					
6. Zarapkar, K. R. (2008). Zarapkar System of Cutting. Mumbai	Navneet Publicatio	on (India) Ltd.					
7. Zyndex software user manual.							
8. Tukacad software tutorials.				Y			
t Wallow Wa		ARTIN					

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MAHAAR (SQ)	B) a	Facult	y of Family and Community Sciences	Academic	e Year				$\hat{\mathbf{C}}$	2019-2	0
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सत्यासय	વુન્વરમ્	Progra	amme of Garment Technology								
			B.Sc. (Ga	rment Te	chnology): l	Honors	Progra	mme			
Yea	ar	п	Core / Elective / Foundation FGT 1403C03: Plant Layout in Apparel Industry	Credits / Hours per week 05 (2+3) / 08			08				
Seme	ster	IV	Year of Introduction: 2014 Year of Syllabus Revision: 2018	Maximum Marks / Grade O (10 point scale)					scale)		
Mode Transa	of action		Lectures and Practical								
Course	e Outco	ome (CC	D) FGT 1403C03								
CC	D1 T	ο introdι	ice the students with various components and differe	nt types of l	ayout used in a	n apparel	industry				
	J2 Т Э2 Т	o impart	hand on experience to gain understanding the floor p	planning and	l management		y				
	ЈЗ I 34 Т	o enable	tand different services work place design output and	rious depart	ments for appar		icturing	unit			
	JT 1	o unders	und unterent services, work place design, output un	arysis and m		\sim					
Unit No.			Торіс	Contact Hours	Weightage (%)	BT Level	СО	PSO	Elements of Employability (Emp)/	Relevance to Local (L)/ National (N)/ Regional(R)/Global	Relation to Gender (G), Environment
				A					Entrepreneurship (Ent)/ Skill Development (SD)	(G)	and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)
1	Introd Electr steam sound	luction to ical- fan supply; proofing	o services: and light; Plumbing- water supply, drainage and Lighting and ventilation- natural; Insulation and	10	10	1, 2, 3	CO1	PSO3 PSO4			
2	Type	of layout	for different type of manufacturing and production								
	system Type of Produ	n: of layout	: vertical and horizontal; Manufacturing systems;	20	20	1, 2, 3	CO1	PSO3 PSO4	EMP SD	G	ES PE
3	Practi	cal: List	of activities in an apparel manufacturing unit and				<u> </u>				
	their s	space ana	lysis:			234		DSO2			
	Factor	ry area- s	torage of fabrics to warehouse; Processes	32	25	2, 3, 4, 5 6	CO2	PSO4			
	check	ing, cutti	ng, sewing, finishing; Areas for production			5,0		1504			
	persor	nnel; Util	lities- canteen/crèche/toilets/drinking water, etc.;								
			/								

								A	
	Administrative area; Reception; Offices- managers / supervisor's								
	office; Degree of closeness between the activities for deciding the								
	location standards for area requirements per person per							· · · · · · · · · · · · · · · · · · ·	
	workstation; Understanding of good layout- interior spaces in)	
	terms of lighting, ventilation, flow patterns, clearances, etc.								
4	Practical: Work place design:	12	10	2, 3, 4,	CO2	PSO3			
	Motion economy; Ergonomics	15	10	5,6	COS	PSO4	\sim		
5	Practical: Product and required output analysis:	26	20	2, 3, 4,	CO4	PSO3			
	Man, machine and area calculation; Storage requirements	20	20	5,6	04	PSO4			
6	Practical: Introduction to material handling:								
	Importance and objective of material handling; Types of material	10	15	2, 3, 4,	COA	PSO3	Y		
	handling equipment; Specialized material handling equipment's /	19	15	5,6	04	PSO4			
	systems related to the apparel industry) >			
Refere	ence Books								
1.	Babu, V., R. (2012). Industrial Engineering in Apparel Production.	New Delhi	: Woodhead F	Publishing I	ndia Pv	t. Ltd.			
2.	Bheda, R. (2003). Managing Productivity in the Apparel Industry.	New Delhi:	CBS Publishe	ers & Distri	butors.				
3.	Cooklin, G. (1997). Garment Technology for Fashion Designers. N	ew Delhi: V	Viley India Pv	vt. Ltd.	Ŧ				
4.	Carr, H. & Latham, B. (2008). Technology of Clothing Manufacture - 4th Edition. Oxford: Blackwell Publishing.								
5.	. Chuter, A. J. (1995). Introduction to Clothing Production Management - 2 nd Edition, Oxford: Blackwell Publishing.								
6.	6. Glock, R. E., & Kunz, G. I. (2005). Apparel Manufacturing: Sewn Product Analysis - 2 ⁴ Edition. Chennai: Pearson India.								
7.	Erwin, W. (1982). <i>Time Study Procedures</i> . Mumbai: Institute of Industrial Engineers.								
8.	Nayak, R., & Padhye, R. (2015). Garment Manufacturing Technology	ogy. New De	lhi: Woodhea	d Publishir	ng.				

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भाष्याहरू भाष्याहरू भाष्याहरू सत्यं शिवं सुन्द	The I Facult Instit	Aaharaja Sayajirao University of Baroda ty of Family and Community Sciences ute of Fashion Technology ramme of Garment Technology	Academic Year 2019-20						0	
		B.Sc. (Ga	rment Te	chnology): l	Honors	Progra	mme			
Year	· II	Core / Elective / Foundation FGT 1404C04: Cost Analysis		Cr	edits / Ho	ours per	week		02 (2+0) / 02	
Semest	er IV	Year of Introduction: 2018 Year of Syllabus Revision: -		Ma	aximum M	Iarks /	Grade		O (10 point	scale)
Mode of Transac	f : tion	Lectures and Practical					<u> </u>			
Course CO1 CO2 CO3	Outcome (C 1 To impa 2 To enabl 3 To make	O) FGT 1404C04 It basic knowledge of costing methods in apparel man e students to calculate the product cost of various app the students understand about the various factors affe	ufacturing arel product ecting retail a	s based on its v apparel cost	alues	Y				
Unit No.		Торіс	Contact Hours	Weightage (%)	BT Level	CO	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)
1 I I c a	Introduction Definition an of cost: direc and pricing; \$	o costing: d objectives of costing; Elements and classification , indirect, overheads; Difference between costing stages of costing; Costing methods	7	25	1, 2	CO1	PSO5			
2 N H e c c c F y a a a c	Material cost Parameters in evaluation, ad lepreciation, costing for w per fabric con varn cost, cal accessories c accessories (l charges, othe	volving material costing, inventory control and ecounting for wastage, scrap and defects, factors influencing fabric cost and trims cost; Fabric oven and knitted products: weaving cost, costing as astruction, fabric cost per meter, fabric cost/garment, culation for GSM, fabric cost per kg; Trims and ost: cost of trims (labels, tags, buttons, etc.), manger, inner board, poly bag, buttons, etc.), CMT c charges (print, embroidery, etc.)	9	30	1, 2, 3, 5	CO2	PSO5	SD	G	ES PV

3	Labor and manufacturing cost: Labor cost: parameters of labor costing, labor cost budgeting and variances, wage rate and piece rate: comparative analysis, incentive plans; Manufacturing cost: classification of overheads, allocation and appointment, calculation of prime cost; General operating expenses.	8	25	1, 2, 3, 5	CO2	PSO5		
4	Retail pricing: Markups/markdown calculation; Retail pricing strategy overview; Export pricing; INCOTERMS and their application; Freight costing: types of freight cost, freight cost calculations	6	20	1, 2, 3, 5	CO3	PSO5	SON	
Refere	nce Books				,	$\overline{\lambda}$	Y	
1.	Clodfelter, R. (2015). Retail Buving: From Basics to Fashion. New	York: Fairc	child Publicati	ons Inc.	6	\sim		
2.	Glock, R. E., & Kunz, G. I. (2005). Apparel Manufacturing: Sewn	Product And	alvsis - 4 th Edi	tion. Chenn	ai: Pear	son India	1.	
3.	Horngren, C. T., Datar, S. M., & Rajan, M. V. (2015). Cost Account	ting - $15^{th} E$	<i>Edition</i> . Chenn	ai: Pearson	India.			
4.	Jeffrey, M. & Evans, N. (2011). Costing for the Fashion Industry.	Oxford: Berg	g Publishers.					
5.	Lezama, M., Webber, B., & Dagher, C. (2004), Sourcing Practices	in Apparel	Industry. Lone	don: Comm	onwealt	h Secreta	ariat.	
6.	Navak, R., & Padhye, R. (2015). Garment Manufacturing Technolog	pgv. New De	elhi: Woodhea	d Publishin	g.			
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मत्यं शिवं स	Ject A	The M Facult Institu Progra	aharaja Sayajirao University of Baroda y of Family and Community Sciences te of Fashion Technology mme of Garment Technology	Academic	Academic Year		2019-2	0			
			B.Sc. (Ga	rment Te	chnology): l	Honors	Progra	mme		I	
Yea	ır	п	Core / Elective / Foundation FGT 1405C05: Finishing and Packaging Technology	Credits / Hours per week 04 (3+1) / 05				05			
Seme	ster	IV	Year of Introduction: 2014 Year of Syllabus Revision: 2018	Maximum Marks / Grade O (10 point scale)					scale)		
Mode o Transa	of action		Lectures and Practical								
COURSE CO CO CO CO CO CO	Outcom D1 To D2 To D3 To D4 To D5 To	develo develo make t equip t impart	p the holistic understanding of the finishing and pack p an understanding of the various types of finishes at he students understand the modern techniques of gar he students with practical knowledge of various cher practical knowhow of the different packaging techni	packaging of garments used for the apparel industry es and to identify their effects on properties and their end uses in the apparel sector f garment finishing in relation to productivity, cost, quality and performance chemical finishing processes used in the apparel industry chniques and materials used in apparel industry							
Unit No.			Торіс	Contact Hours		BT Level	СО	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)
1	Finishin Finishin finish, garmen selectio Finishin jeans w blasting finish; finishin	ng of ga ng of ga wash an nts: iden on criter ng of jea vashing: g, ozone Environ	arments: arments: different types of finish- dutable press ad wear finish; Spotting and washing of tification of stains, characteristics and history, ia of spotting chemicals, factors for spotting; ans with special emphasis on various types of stone wash, acid wash, enzyme wash, sand e and laser fading, quick wash denims, crush iment pollution, eco friendliness in washing and	15	20	1, 2	CO1	PSO3 PSO5	SD	G	ES HV
2	Evaluat	tion of f	inishes:	10	15	1, 2	CO2	PSO3 PSO5			

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	Evaluation of finishes: basic concept of evaluation of different types of finishes like, flame retardancy, water proof/repellent, soil resistant, crease resistant through simple test methods;						ć	5	
	Cost estimation of finishing processes: basic knowledge on								
	the cost involvement of the various types of finishes								
3	Pressing: Pressing: objective of pressing, fabric and garment characteristics, pressing equipment, parametric conditions, types of pressing; Packaging and folding: criteria for packaging, specifications and standards for packaging and folding, material and equipment used for packaging, considerations for packaging and folding.	10	15	1, 2	CO3	PSO3 PSØ5	OL		
4	Packaging: Background to the standard; Overview of packaging industry; Definition of packaging; Functions of packaging; Packaging materials; Review of the packaging legislation; Printing and decoration of packaging, include labels and labeling; Environmental issue and waste disposal	10	15	1, 2	coj	PSO3 PSO5			
5	Practical: Garment finishes-chemical: Finishes on garments (shirt/denims): durable press (shirt); Enzyme finish- desizing, enzyme wash, softeners; Various jean washes- mechanical and chemical: abraded effect (sandpaper, abrading machine), spray finishing, bleaching, printing; Innovating a denim finish using above methods; Stain removal (grease, blood, lipstick, tea/coffee, gravy, ink/ball point, soil)	12	PAR	2, 3, 4	CO4	PSO3 PSO5			
6	Practical: Apparel finishing: Bar tacking; Buttonhole and buttoning Snaps and rivets; Thread cutting	a l	10	2, 3, 4	CO4	PSO3 PSO5			
7	Practical: Packaging-folds, materials and relevance: Infant wear; Kid's wear; Ladies wear; Men's wear; Innovating a folding and packaging technique	9	10	2, 3, 4	CO5	PSO3 PSO5			
Refer	ence Books								
1.	Booth, J. E. (1996). Principles of Textile Testing - 3rd Edition. New	VY York: CB	S Publishers &	Distributo	ors Pvt. 1	Ltd.			
2.	Carr, H. & Latham, B. (2008). Technology of Clothing Manufacture	- 4 th Editio	on. Oxford: Bla	ckwell Pul	olishing				
3.	Corbman, B. P. (1985). Textiles: Fiber to Fabrics - 6th Edition. New	York: Mc	Graw-Hill Educ	cation.					
4.	Glock, R. E., & Kunz, G. I. (2005). Apparel Manufacturing: Sewn F	Product And	ulysis - 4 th Editi	ion. Chenn	ai: Pear	son India	l.		
5.	Lewin, M., & Sello, S. B. (1984). Chemical Processing of Fibres an	nd Fabrics -	Functional Fi	nishes, Pa	rt B. Ne	w York:	Mercel Dekker.		
6.	Marsh, J. T. (1979). An Introduction to Textile Finishing. Ahmedaba	ad: B. I. Pu	blications Pvt.	Ltd.					
7.	Mehta, P. V. (2012). Quality Management Handbook for the Appare	el Industry.	New Delhi: Ne	ew Age Int	ternation	nal Pvt. L	.td.		
8.	5. Tortora, P. G., & Collier, B. J. (1996). Understanding Textiles- 7 th Edition. New Jersey: Prentice Hall.								



RAD ANNAJIRAO AN	Тh Fa Fa gretty Pr	ne M aculty stitu rogra	aharaja Sayajirao University of Baroda y of Family and Community Sciences te of Fashion Technology amme of Garment Technology	Academic Year 2019-20					0		
			B.Sc. (Ga	rment Te	chnology):]	Honors	Progra	amme			
Yea	ır l	Ι	Core / Elective / Foundation FGT 1406I04: Accessory Design		Ст	edits / Ho	ours per	week		02 (0+2) / 04	
Seme	ster I	V	Year of Introduction: 2014 Year of Syllabus Revision: 2018		Ma	aximum N	larks /	Grade		O (10 point	scale)
Mode Transa	of action		Practical								
Course	e Outcome	e (CO)) FGT 1406I04	accorios rol	ated to cormon	t husinger	\mathbf{N}				
C	D2 To de	eveloj	p skills in sketching and designing, relationship of ac	cessories w	ith garments, p	roduction	aspect,	markets,	costing and current tr	rends	
CO	03 To de	evelo	p an aptitude to launch their career in this new field a	s designers,	, merchandisers	s and prod	uction p	ersonnel			
Unit No.			Торіс	Contact Hours	Weightage (%)	BT Level	СО	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)
1	Practical: Definition footwear, belts, glov Design ta	Anat 1 of d jewe ves, s sk: de	omy of an accessory: ifferent accessories and related terms: bag, lry, millinery, eyewear, scarves, ties, wristwatches, ustainable design, industrial perspective design, eveloping an accessory library	15	25	2, 3, 6	CO1	PSO1 PSO5			
2	Practical: The desig Market le	Crea n pro vels;	tive product development: cess; Trend forecasting; Presentation techniques; Developing a range; Portfolio presentation	27	45	2, 3, 6	CO2	PSO1 PSO5	ENT SD	G	G ES
3	Practical: Natural fi developm Contempo	Fabri bres a ents; orary	ic, materials and finishes. and fabrics; Natural metals and stones; New Hand embellishments; Machine embellishments; finishing techniques; Industrial finishes	18	30	2, 3, 6	CO3	PSO1 PSO5			
Refere	Abling B	3 (200	0) Illustration Eachion New Delhi: Prentice Hell								
1.	Abiling, D	. (20(50).mustration Fushion. New Denni, Frentice Hall								
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2. Albrizio, A. & Lustig, O. (1999). Classic Millinery Techniques: A Complete Guide to Making and Designing Today's Hats. Lark: Asheville.
3. Kathrya, M., & Janini, M. (1997). <i>Illustrations Fashion</i> . London: Blackwell Science Ltd.
4. O'Hara, & Callan, G. (1998). The Thames & Hudson Dictionary of Fashion and Fashion Designers. London: Thames and Hudson.
5. O'Keete, L. (1996). Shoes: A Celebration of Pumps, Sandals, Slippers and More. New York: Workman Publishing.
6. Tain, L. (2010). Portfolio Presentation for Fashion Designers: 3rd Edition. New York: Fairchild.
7. Tate, S., L., & Glazer, B. (2008). The Shap Fashion Sketchbook. New York: Prenuce Hall.
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भूम मार्थ शिवं सु	REAL OF BAROOA	The M Facult Institu Progra	aharaja Sayajirao University of Baroda y of Family and Community Sciences ite of Fashion Technology amme of Garment Technology	Academic Year 2019-20						0		
			B.Sc. (Ga	rment Technology): Honors Programme								
Yea	ır	III	Core / Elective / Foundation FGT 1501C01: Apparel Standards and Quality Control	Credits / Hours per week 0						04 (4+0)	4 (4+0) / 04	
Seme	ster	v	Year of Introduction: 2014 Year of Syllabus Revision: 2018	Maximum Marks / Grade O (10 point scale)							scale)	
Mode o Transa	of Iction		Lectures									
Course Outcome (CO) FGT CO1 To understand quality assurance, standards, specifications and their uses and relationships CO2 To impart knowledge about the inspection and testing procedure followed in apparel industry CO3 To know standard conditions for testing of materials and products and evaluate performance specifications CO4 To understand the different colorfastness properties and its importance for garments CO5 To get a theoretical knowhow about different labels used in apparel industry												
Unit No.			Торіс	Contact Hours		BT Level	СО	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)	
1	Introd Defini manuf import quality quality standa	uction to tions of facturing tant to pe y assuran y manage rds, deve	o quality: quality; Meaning of quality based on product, user, and value; Eight dimensions of quality; Factors erceived apparel quality; Quality control (QC), ace (QA), quality management (QM); Approach to ement; Standards and specifications: sources of eloping standards and specifications	15	25	1, 2	CO1	PSO3 PSO5	SD	G	ES PE	
2	Inspec Defini inspec statisti inspec	ction: tions and tion, 100 ical samp tion; Fin	d objectives of inspection; Sampling: no 0% inspection, spot checking, arbitrary sampling, oling; Raw material inspection; In-process al Inspection	12	20	1, 2, 3	CO2	PSO3 PSO5				

3	Apparel testing: Standard test methods; Testing of fabrics: strength, bow and skewness, needle cutting/yarn severance, sewability, pilling, snagging, abrasion resistance, fabric stretch properties; Testing of other materials: interlinings, zippers, elastic waistbands, buttons, snap fasteners, hook and loop fasteners; Product safety: strangulation hazards, ingestion hazards, skin irritation, flammability, laceration hazards	15	25	1, 2, 3	CO3	PSO3 PSO5				
4	Colorfastness: Introduction to colorfastness; Scales for visual comparison of colors: grey scale for color change, grey scale for staining, chromatic color transference scale; Evaluation of colorfastness to washing or laundering, dry cleaning, light, crocking, perspiration, abrasion (frosting), heat, bleaching, water, chlorinated pool, sea water, water spotting	12	20	1, 2, 3	CO4	PSO3 PSO5				
5	Labeling of garments: Care labeling; Care labeling regulations; ISO care symbols	6	10	1, 2	Ç05	PSO3 PSO5				
Refere	ence Books					1	1			
1.	Booth, J. E. (1996). Principles of Textile Testing – 3rd Edition. New	w York: CB	S Publishers &	Distributo	ors Pvt. 1	Ltd.				
2.	Bubonia, J. E. (2014). Apparel Quality Lab Manual. London: Bloom	nsbury Pub	lishing.	Y						
3.	Bubonia, J. E. (2014). Apparel Quality: A Guide to Evaluating Sew	n Products.	London: Bloo	msbury Pu	blishing	5.				
4.	Cooklin, G. (1991). Introduction to Clothing Manufacture. Oxford:	BSP Profes	ssional Books.							
5.	Das, S. (2010). Quality Characterization of Apparel. New Delhi: W	oodhead Pi	ublishing India	Pvt. Ltd.						
6.	Gohl, E., & Vilensky, L. (1993). Textile Science: An Explanation to	Fiber Proj	<i>erties</i> . Melbou	urne: Long	man Ch	eshire.				
7.	Kadolph, S. J., & Langford, A. L. (2006). Textiles – 10th Edition. No.	ew Jersey: I	Prentice Hall.							
8.	Kadolph, S. J. (2007). Quality Assurance for Textiles and Apparel – Second ed. London: Bloomsbury Publishing.									
9.	Mehta, P. V. (2012). Quality Management Handbook for the Appar	el Industry.	New Delhi: N	ew Age In	ternation	nal Pvt. L	_td.			
10.	Stamper, A., Sharp, S., & Donnell, L. (1991). Evaluating Quality A	<i>pparel</i> . Nev	v York: Fairch	ild Publica	tions.					

AR HAND AND AND AND AND AND AND AND AND AND	o UNIVERSITI OF BAROON	The M Facult Institu Progra	aharaja Sayajirao University of Baroda y of Family and Community Sciences te of Fashion Technology amme of Garment Technology	Academic Year 2019-20								
			B.Sc. (Gai	rment Te	chnology): l	Honors	Progra	mme				
Ye	ear	III	Core / Elective / Foundation FGT 1502C02: Internship	Credits / Hours per week						12 (0+12) / 24		
Sem	ester	v	Year of Introduction: 2014 Year of Syllabus Revision: 2018	Maximum Marks / Grade O (10 point							scale)	
Mode Trans	of saction		Practical									
	 CO1 To enhance student's personal and professional development through hands on skill in the apparel industry CO2 To integrate different skills required for participating in planned, supervised work with a reflection and evaluation process at the end of the internship CO3 It will provide students the opportunity to relate theory holistically to practice and gain valuable experiences for future career CO4 To facilitate the student's ability to evaluate her/his work criteria for garment production and accessory accentuation CO5 To enable the students to work on an experiential industrial project in field of garment production, marker efficiency, productivity, plant layout merchandising, lean management, product life cycle, cost analysis, etc. 											
Unit No.			Торіс	Contact Hours	Weightage	BT Level	СО	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)	
1	Intern natior appar profes Stage Manu Prome	nships wil nally or ir rel or acce ssionals in s of desig ifacturing otions	I be of duration of ten to twelve weeks in a nternationally recognized firm related to design, essory manufacture with supervision from industry in the following areas: gn; Product development and technical design; process; Merchandising; Sourcing; Retailing;	180	50	1, 2, 3, 4, 5, 6	CO1 CO2 CO3 CO4 CO5	PSO6 PSO7	EMP ENT SD	G	G ES HV	
2	The st field of plant under	tudents w of garmer layout me take any	vill undertake an experiential industrial project in nt production, marker efficiency, productivity, erchandising, lean management. Students will one project based on product life cycle	108 30 1, 2, 3, CO1 4, 5, 6 PSO6 CO3 CO4 PSO7 Image: Colored constraints Image: Colored constratits Image: Colored constraints <thi< td=""><td>ΥĽ</td></thi<>							ΥĽ	

	management with measurable KPI, monitor entire cycle of a				CO5				
	product, cost analysis before, during and post production, etc.								
3	At the end of the internship the student will be evaluated in terms				COL			Y	
	of:								
	An evaluation report submitted by the project director responsible	70	20	1, 2, 3,	CO2	PSO6			
	for an intern; Internship and project report submitted by the	72	20	4, 5, 6	CO3	PSO7			
	student which elucidates his/her learning experience; Presentation				CO4				
	of the project report by the student				CO5				
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			B.Sc. (Gai	arment Technology): Honors Programme									
Yea	ar 1	III	Core / Elective / Foundation FGT 1503C03: Product Development		Cr	edits / Ho	ours per	week		06 (2+4) / 10			
Seme	ster	V	Year of Introduction: 2014 Year of Syllabus Revision: 2018		Ma	ximum N	/Iarks /	Grade		O (10 point	scale)		
Mode Transa	of action		Lectures and Practical) Y					
Cours	e Outcom	e (CC)) FGT	c						1.			
	 CO1 To enhance students understanding regarding production process of apparel and accessories sector (apparels, accessories and home furnishing) CO2 To develop an understanding of basic design process followed by a product manufacturer and develops skills to explore solutions for the given design brief CO3 To induce interest in analyzing a product design and create a proto type CO4 To develop problem solving abilities via the process of apparel designing, construction and making-up CO5 To provide students an opportunity to experience the ideas to increase quality production with minimum time and to gain an experience of launching an enterprise 												
						Y							
Unit No.			Торіс	Contact Hours	Weightäge	BT Level	СО	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)		
1	Production Types of Sourcing, fabrics, tr producer	on pro manu and p majo rims, l s like	acess: afacturing units: own labels, job work, contract: brocurement: need for sourcing, methods of ar producers and suppliers for raw materials like linings, interlining and others; Survey of ancillary embroiderers t davalopment:	15	15	1, 2	CO1	PSO1 PSO2 PSO3 PSO4	EMP ENT	G	G ES HV		
2	Key elen function fabric, de	and va	apparel product designing: ongoing trend, product alue; Analyzing the details of the product like elements, seams, accessories, size and cost	15	15	1, 2 CO2 PSO2 PSO3 PSO4 PSO5 PP							
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3	Practical: Analyzing the product design and construction: Analyzing the product design: fabric style, design elements, fabric type, fabric weight, fabric color, seams, operation breakdown, trims, accessories, sizes, labels and cost; Preparation of a tech pack: style sheet and specification sheet	25	15	2, 3, 4, 5, 6	CO3	PSO1 PSO2 PSO3 PSO4	6	5		
4	Practical: Product realization: Technical drawing/flat sketches; Preparation of a draft; Pattern adaptations; Marker planning; Construction and development of apparel/textile product; Toile preparation; Making-up and finishing process of prototypes; Three garments: women's and men's using different production methods	70	40	2, 3, 4, 5, 6	CO4	PSO1 PSO2 PSO3 PSO4				
5	Practical: Presentation and evaluation of collection: Visual display; Presentation of the final collection in a static exhibit format; Portfolio presentation	25	15	2, 3, 4, 5, 6	CØ5	PSO1 PSO2 PSO3 PSO4 PSO5 PSO6				
Refere	ence Books			\sim						
1.	Al-Haboui, M. H. (1992). Anthropometry for a Mix of Different Pop	oulations. A	msterdam: Ap	plied Ergo	nomics,	Elsevier.				
2.	Annis, J. F. (1978). Variability in Human Body Size- Anthropometry	ic Source B	ook. Washingt	on DC: NA	SA Ref	Ference Pu	ublication.			
3.	Aldrich, W. (2015). Metric Pattern Cutting for Women's Wear - 6th	Edition.Nev	v York: Wiley	-VCH Gm	оН & Co	0.				
4.	Armstrong, H. J. (2009). Pattern making for Fashion design – 5th E	dition. Noic	la: Harper Coll	lins Publisł	ners Indi	ia.				
5.	Basia, S. (2010). Technical Drawing for Fashion. London: Laurence	e King Pub	lisbing.							
6.	Holzman, D. C. (1996). Fewer Sizes Fit All. Technology Review. D	iscussion of	f Paal's method	d of creatin	g an opt	imized si	zing system based o	on anthropometric data.		
7.	Hudson, P. B. (1979). Generating Patterns. Bobbin. 20(8).									
8.	Peterson, E. A. (1980). Standardization of industrial garment fit: Is	it feasible?	Is it necessary	y? Is it desi	rable?	London: I	Industrial Launderer			
9.	Reich, N., & Goldserry, E. (1993). Development of body measurem	ent tables fo	or women 55 a	nd older ar	id the re	elationshi	p to ready-to-wear g	garment size. (Research	Fechnical	
1.0	Report Number PCN 33-000006-18, ISR 06). Philadelphia: Americ	an Society f	for Testing and	d Materials	Institute	e for Stan	dards Research.			
10.	Shoben, M. M., & Ward, J. P. (1990). Pattern Cutting and Making	<u> Vp – Revise</u>	d Edition. Oxt	ord: Butter	worth F	leinmann				
11.	Singh, D., & Young, R. K. (1995). Body weight, waist-to-hip ratio, Sociobiology.	breasts and	l hips: roles in	judgments	of fema	le attract	iveness and desirable	ility for relationships. Et	hology and	
12.	Stoudt, H. W. (1981). The Anthropometry of the Elderly. Human Fa	1 (1)).							
13.	Suhner, I. A. (2012). Technical Drawing for Fashion Design: Garm	ent Source	Book. Netherla	ands: The I	Pepin Pr	ess.				
14.	14. Zarapkar, K. R. (2008). Zarapkar System of Cutting. Mumbai: Navneet Publication (India) Ltd.									
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			B.Sc. (Gai	rment Te	chnology): l	Honors	Progra	amme				
Yea	ar	III	Core / Elective / Foundation FGT 1504C04: Lean Management		Cr	edits / Ho	ours per	week		02 (1+1)	/ 03	
Seme	ester	v	Year of Introduction: 2018 Year of Syllabus Revision: -		Ma	ximum N	/arks/	Grade	Y.	O (10 point	scale)	
Mode Transa	of action		Lectures and Practical				$\mathbf{\hat{X}}$					
Course C(C(C(e Outcon O1 Toi O2 Toi O3 Toj	ne (CC introdu impart practic	b) FGT ace the concept and to acquaint the students with lean knowledge to co-relate lean management in actual w ally demonstrate the application of lean management	manageme ork scenari at work pla	ent o ace		`					
Unit			Tonia	Contact	Weightone	РТ	CO	DSO	Flomonts of	Delevence to Local	D olation to	
No.				Hours	Weightage	Level		PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	(L)/ National (N)/ Regional(R)/Global (G)	Kelation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)	
1	Introduc Concept manager Time, Ji constrain	tion: of lea ment; doka, l nts, TP	n management; Terminologies used in lean Fools of lean management: 5S, Kaizan, Just in Pokayoke, FMEA, SMED, Kanban, theory of PM, Fish bone diagram (cause effect analysis)	8	25	1, 2	CO1	PSO4			ES	
2	Impact of Optimiz profitabi	of lean ation c ility th	management: of resources through lean tools: Improving rough lean tools	7	25	1, 2	CO1	PSO4	SD	G	ES HV	
3	Practical Introduc scenario	l: Use tion to ; Push	of lean management for garment manufacturing lean tools; Co-relation of lean tools in actual work and pull system: Visit to Industry	18	30	2, 3, 4, 5, 6	CO2	PSO4				

4	Practical: Project based on tools taught in previous units	12	20	2, 3, 4, 5, 6	CO3	PSO4						
Refer	ence Books		•									
1.	Bhasin, S. (2015). Lean Management Beyond Manufacturing: A He	olistic Appro	oach. London:	Springer I	nternatio	onal Publishing.						
2.	Charron, R., Harrington, J., Voehl, F., & Wiggin, H. (2015). The La	ean Manage	ement Systems	Handbook.	Londor	n: CRC Press.						
3.	Chong, K. (2017). Lean Management: The Essence of Efficiency, R	Road to Prof	itability, Powe	r of Sustai	nability.	. Singapore: Partridge Rublishing.						
4.	Davis, J., W. (2009). Lean Manufacturing Implementation, Strateg	ies that Wor	k: A Roadmap	to Quick a	nd Last	ting Success. New York: Industrial Press.						
5.	Fliedner, G. (2011). Leading and Managing the Lean Management	Process. N	ew York: Busin	ness Expoi	t Press.							
6.	Jackson, T. L. (1996). Implementing A Lean Management System.	Oregon: Pro	ductivity Press	•								
7.	. Machado, C., &Davim, P. (2017). Green and Lean Management. London: Springer International Publishing. Trent B. L. (2008). End-to-end Lean Management: A Guide to Complete Supply Chain Improvement. Elorida: L. Ross Publishing.											
8.	8. Irent, K. J. (2008). End-to-end Lean Management: A Guide to Complete Supply Chain Improvement. Florida: J. Ross Publishing.											
	thon when		RAR									



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PARSAVAJIRAO	UNIVERSITY	The M	aharaja Sayajirao University of Baroda										
MAHLAR.	B) a	Facult	y of Family and Community Sciences	Academic	Academic Year 20								
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	3	Progra	mine of Garment Technology										
			B.Sc. (Ga	rment Technology): Honors Programme									
	Core / Elective / Foundation				G								
Yea	ar	111	FGT 1601C01: Principles of Management and Marketing		Credits / Hours per week						04 (4+0) / 04		
Sama	ston	VI	Year of Introduction: 2014		Ma		Ionka /	Crode		O (10 point	(alaas		
Seme	ster	V1	Year of Syllabus Revision: 2018		1413		Tarks /	Graue	Y	O (10 point	scale)		
Mode	of		Lectures										
Transa	action	(00					$ \rightarrow $						
Course		ome (CO) FGT in death understanding of fundamental minainles of	fmanlating	monogeneant	nd cardoni	anti an f	nom a hia	onical and contampo	om nonon octivo			
	л т 20 Т	o gani ai	the leadership and marketing skills with its importance	n marketnig,	, management a	ind organi	zation	ioni a msi	orical and contempor	ary perspective			
)2 Т)3 Т	o metilez o enable	students to develop an analytical and conceptual fra	rework of r	narketing work	managèn	nent in s	mall med	lium and large enterr	rises			
C	олог О4 Т	o unders	tand the basic concepts of fashion retailing and whol	esaling	nurketing work	intinugen	ient m s	man, me	find and funge enterp	11000			
	-			0		\bigcirc							
Unit			Торіс	Contact	Weightage	BT	CO	PSO	Elements of	Relevance to Local	Relation to		
No.				Hours	(%)	Level			Employability	(L)/ National (N)/	Gender (G),		
									(Emp)/	Regional(R)/Global	Environment		
									Entrepreneurship	(G)	and		
					Y				(Ent)/ Skill		Sustainability		
									Development		(ES), Human		
				K Y					(SD)		Values		
											(HV) and Professional		
											Fibics (PF)		
1	Introd	uction to	managers and management:	7				<u> </u>					
-	Manas	gement a	nd role of managers; Management as a system:					D.C.O.#					
	ethics	and soci	al responsibilities; Value organization and culture;	12	20	1, 2	CO1	PSO5					
	Enviro	onmental	constraints on managers; Decision making:					PS06					
	essenc	ce of mar	ager's job										
2	Leade	ership:						PSO5	FNT		ES		
	Managers verses leaders; Trait theories; Behavioral theories;			12	20	1, 2	CO2	PSO6	SD	G	HV		
	Conti	ngency th	eories; Emerging approaches to leadership					1500	50		PE		
3	Planni	ing, orga	nization and control:					Dace					
	Comn	nitment t	o the planning process; Organizational planning;	12	20	1, 2	CO3	PSO5					
	Organ	izational	structure and design; Foundations of control;					PS06					
	Eachie	of tools a	ting and consumer domands:	12	20	1.2	CO1	DSO5					
4	rasiii	лі шагке	ing and consumer demands.	12	20	$1, \angle$	COI	1303					
	Economics related to principles of fashion business and					PSO6							
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	marketing; Consumer groups and behavior; Economic,												
	technological and global influences on marketing; Marketing												
	chain and segmentation												
5	Fashion retailing, wholesaling and marketing:												
	Retail market operations and its types; Buying preparations;					DEOS							
	Retail pricing, sales, evaluation and promotion; Domestic and	12	20	1, 2	CO4	PS05							
	International trade policies; Overseas communication system;					P300							
	Distribution and wholesale promotion												
Refer	ence Books												
1.	David, A., & Robbins, S., P. (1996). Human Resource Management.	New York	: John Wiley.			\sim							
2.	Frings, G., S. (1999). Fashion from Concept to Consumer. New Jers	ey: Prentice	e Hall.		(7						
3.	Gorden, L., J. (1961). Economics for Consumer. New York: America	an Book Co).										
4.	Chris, G., B. (1960). An Outline on Advertising. New York: The Macmillan Co.												
5.	Kreitner, R. (2004). Management - ninth ed. Boston: Houghton Mifflin.												
6.	Kotler, P. (2004). Principles of Marketing -tenth ed. New Delhi: Prentice Hall of India Pvt. Ltd.												
7.	Robbins, S., P., & Coulter, Mary. (1996). Management. New Delhi:	Prentice H	all of India Pv	t. Ltd.									
8.	Robbins, S., P., & David, A. (2001). Fundamentals of Management.	Robbins, S., P., & David, A. (2001). Fundamentals of Management. New Delhi: Pearson India.											

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			B.Sc. (Ga	rment Te	chnology): l	Honors	Progra	amme			
Yea	ar	III	Core / Elective / Foundation FGT 1602C02: Seminar	Credits / Hours per week						03 (3+0) / 03	
Seme	ster	VI	Year of Introduction: 2014 Year of Syllabus Revision: -	Maximum Marks / Grade O (10 po						O (10 point	scale)
Mode of Transa	of action		Seminar								
Course	e Outco	ome (CC	D) FGT							-	
	01 To 02 To 03 To	o instill o explor o develo	reading practice, develop critical understanding and r re the theories and methodologies that have evolved the pp self-confidence, presentation and oratory ability	reasoning ap ne field of g	arment technol	ea of desigory and c	gn, mach ontribute	finery, ga e their ow	rment production and n inquiries to its adv	d space management ancement	
Unit No.			Торіс	Contact Hours	Weightage (%)	BT	СО	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)
1	Semina allied s Operat produc	ar prese subjects tional ar ction pro	ntation, discussion, panel discussion on core and and global intersections; Systems of analysis; nalysis; Time motion studies; Optimizing ocedure	45	100	4, 5	CO1 CO2 CO3	PSO7	SD	G	G ES HV PE
Refere	nce Bo	oks									
1.	Magaz Appare Manm Journa Busine Busine	zines and el Intern ade fibe il of Fas ess Wor ess India	d Journals: national Clothes Line ers hion Marketing Management Id								

										4		
म्मूम्स्य हिल्वं स्	MINUTER AND A	Fhe M Facult Institu Progra	aharaja Sayajirao University of Baroda y of Family and Community Sciences te of Fashion Technology amme of Garment Technology	Academic Year						2019-20		
		0	B.Sc. (Ga	arment Technology): Honors Programme								
Yea	ır	III	Core / Elective / Foundation FGT 1603C03: Industrial Engineering	Credits / Hours per week						03 (2+1) / 04		
Seme	ster	VI	Year of Introduction: 2018 Year of Syllabus Revision: -		Ma	aximum M	/arks /	Grade		O (10 point	scale)	
Mode o Transa	of action		Lectures and Practical									
	CO1 Strategies to improvise methodologies to minimize the input and maximize the productivity and efficiency CO2 Understanding of how to improve methods and reduce work content for better productivity and efficiency CO3 To help students understand the time and motion study CO4 To practically demonstrate the application of industrial engineering in apparel industry											
Unit No.			Торіс	Contact Hours	Weightage (%)	BT Level	CO	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)	
1	Work st Method left and motion of understa for plan work me allowand study, aj the appa	udy: study: right h econon anding ning ar easurer ces in u pplicat arel ind	Analysis of processes, flow chart, string diagram, and chart, multiple activity chart, principle of ny, micro-motion stud; Work measurement: the need and application of production standards ad organizing activities; Time study: time study as nent technique, understanding and significance of understanding of performance, rating for time ion of pre-determined motion and time systems for ustry	11	25	1, 2, 3	CO1	PSO3 PSO4	SD	G	ES	
2	Capacity Man and calculati	y plann d mach ion	ing and line balancing: ine calculation; Concept of line balancing and	10	25	1, 2, 3	CO2	PSO3 PSO4				

3	Industry related norms: Occupational safety and health safety, safety criteria, industrial accident; Working premises; Housekeeping, lighting, noise and vibration, climate, exposure to toxic substance; Personal and protective equipment, ergonomics, work timings and work related welfare activity	9	20	1, 2, 3	CO3	PSO3 PSO4				
4	Practical: Application of work study and line balancing: Industrial engineering, work place designing with complete measurement, elemental break down, costing, improvement in operation, expected output, benefits, running cost difference / saving	30	30	2, 3, 4, 5, 6	CO4	PSO3 PSØ4				
Refere	ence Books				(\sim	7			
1.	Babu, V., R. (2012). Industrial Engineering in Apparel Production.	New Delhi	: Woodhead P	ublishing I	ndia Pv	t. Ltd.				
2.	Bheda, R. (2003). Managing Productivity in the Apparel Industry. 1	New Delhi:	CBS Publisher	s & Distri	butors.					
3.	Cooklin, G. (1997). Garment Technology for Fashion Designers. N	lew Delhi: V	Viley India Pvt	t. Ltd. 🦯						
4.	Carr, H. & Latham, B. (2008). Technology of Clothing Manufacture	e - 4 th Editio	n. Oxford: Bla	ackwell Pu	blishing					
5.	Chuter, A. J. (1995). Introduction to Clothing Production Management - 2 nd Edition, Oxford: Blackwell Publishing.									
6.	Glock, R. E., & Kunz, G. I. (2005). Apparel Manufacturing: Sewn Product Analysis - 4th Edition. Chennai: Pearson India.									
7.	Erwin, W. (1982). <i>Time Study Procedures</i> . Mumbai: Institute of Industrial Engineers.									
8.	Nayak, R., & Padhye, R. (2015). Garment Manufacturing Technology	ogy. New De	elhi: Woodhead	1 Publishir	ng.					
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			B.Sc. (Ga	rment Technology): Honors Programme								
Yea	ır	III	Core / Elective / Foundation FGT 1604C04: Logistics and Supply Chain Management	Credits / Hours per week 03 (3+0) / 03						03		
Semes	ster	VI	Year of Introduction: 2018 Year of Syllabus Revision: -		Ma	iximum N	/larks /	Grade	<u>}</u>	O (10 point	scale)	
Mode o Transa	of action		Lectures									
Course CC CC CC CC CC	CO1 To understand various aspects of logistics and warehousing CO2 To familiarize the students with the general issues concerning management of warehouse CO3 To impart knowledge about the evolution of supply chain theories and practices CO4 To understand the supply chain management of apparel industry CO5 To realize the role of IT in supply chain management											
Unit No.			Торіс	Contact Hours		BT Level	СО	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)	
1	Logist Import growth (TLC) and dia Custor custor	tics: tance of h of logic), strateg stributio mer serv ner servi	logistics and distribution; Development and stics; Integrated logistics: total logistics concept ic, tactical and operational planning for logistics n, financial impact of logistics, 3PL, 4PL; ice and logistics: order processing, components of ce, levels and measures of customer service	9	20	1, 2	CO1	PSO5	SD	G	ES	
2	Wareh Wareh palleti place u service	nousing a nousing: ized, pall utility, fa e, charac	and transportation: material handling, package testing, palletized, non- et movement, stacking; Transportation: time and actors influencing transportation, transportation eteristics, transportation systems, role of third	9	20	1, 2	CO1 CO2	PSO5				

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	parties, LTL shippers, small volume shippers, freight forwarders,									
2										
3	Supply chain management: Definition and significance; Beer game/textile game; Buyer									
	supplier relationships, cross functional teams, supply chain									
	drivers; Cycle inventory, safety inventory, EOQ, inventory	11	25	1 2	CO3	PSO5				
	carrying cost, inventory flow and shrinkage, obsolescence,	11	23	1, 2	005	1305	\sim			
	push/pull inventory, stock out, storage cost; Just in time and QR									
	logistics, vendor managed inventory, postponement in supply									
	chain									
4	Apparel/textile supply chain:				2	\sim	, Y			
	Distribution and procurement channels in supply chain; Strategic				(
	alliances: collaboration in apparel supply chain, collaborative									
	product development, ECR, CPFR, VICS, green supply chain;	11	25	1.2		DEOS				
	Role of intermediaries in supply chain, measuring supply chain	11	25	1, 2	04	PS05				
	time management: time based competition, concent of lead time									
	and value angineering lead time gap, time compression is supply									
	chain critical path management in supply chain		K	\mathbf{X}						
5	Role of IT in supply chain management:			\mathbf{Y}			-			
5	Supply chain IT framework and IT practice. IT enabled supply	5	10	1.2	CO5	PSO5				
	chain management	C		-, -	000	1200				
Refer	ence Books		O X				I			
1.	Agrawal, D. K. (2015). Textbooks of Logistics and Supply Chain M	anagement.	New Delhi: M	acMillan l	Publishe	rs India I	Ltd.			
2.	Christopher, M. (1992). Logistics & Supply Chain Management: St	rategies for	Reducing Cost	t and Impr	oving Se	ervice. N	ew Delhi: Pearson Edu	ucation.		
3.	Johnson, J. C., & Wood, D. F. (1990). Contemporary Logistics – 6 th	^h Edition. N	ew Jersey: Prei	ntice Hall.						
4.	. Lambert, D. M. & Stock, J. R. (1987). Strategic Logistics Management. New York: McGraw Hill.									
5.	. Li, L. (2014). Managing Supply Chain Logistics: Competitive Strategy for a Sustainable Future. London: World Scientific Publishing Co.									
6.	5. Luo, Z. (2012). Innovations in Logistics and Supply Chain Management Technologies for Dynamic Economies. Hershey: Business Science Reference.									
7.	. Mangan, J., & Lalwani, C. (2016). Global Logistics and Supply Chain Management – Third ed. London: John Wiley & Sons Ltd.									
8.	3. Mohanty, R. P., & Deshmukh, S. G. (2004). Essentials of Supply Chain Management. Ahmedabad: Jaico Publishing house.									
9.	Rushton, A., Croucher, P., & Baker, P. (1989). The Handbook of Le	ogistics and	Distribution M	lanagemer	$nt-5^{th}E$	Edition. N	lew Delhi: Kogan Pag	e Limited.		

cher, P., & Baker, P. (1989). The Handb

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		B.Sc. (Ga	rment Te	chnology): l	Honors	Progra	amme				
Yea	ır III	Core / Elective / Foundation FGT 1605C05: Entrepreneurial Skills		Credits / Hours per week						04 (3+1) / 05	
Seme	ster VI	Year of Introduction: 2014 Year of Syllabus Revision: 2018		Ma	aximum N	/arks/	Grade	Y	O (10 point	scale)	
Mode o Transa	of action	Lectures and Practical				$\mathbf{\hat{\mathbf{X}}}$					
	CO1 To acquaint the students with an in-depth knowledge source for an intending entrepreneur CO2 To enable students gain perspective of the entrepreneurial functions CO3 To understand the enterprise management and development process CO4 To aid students to adopt and implement the entrepreneurial functions in practice										
Unit No.		Торіс	Contact Hours	Weightage (%)	BT Level	СО	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)	
1	Entrepreneur and entrepreneurship: The concept of entrepreneur; Distinction between manager and entrepreneur; Qualities of a successful entrepreneur; Functions of an entrepreneur; Types of entrepreneurs; The concept of entrepreneurship; Nature and characteristics of entrepreneurship; Entrepreneurship and intrapreneurship		11	20	1, 2	CO1	PSO5 PSO6	EMP ENT	G	G ES	
2	Enterprise s Business sy business sy Business ov	tart-up: stem: an introduction; Nature scope and types of tem; History and evolution of business system; rnership	8	15	1, 2	CO1	PSO5 PSO6	SD		PE	
3	Enterprise f	nancing:	7	10	1, 2	CO2	PSO5				
		Y									

eference Books										
Chandran, R. (2009). International Business - 2 nd Edition. Mumbai: Jaico Publishing House.										
Hisrich, R. D., Peters, M. P., & Shepherd, D. A. (2008). Entrepreneurship – Sixth ed. New Dethi: Tata McGraw Hill Education Pvt. Ltd.										
. Kotler, P. (2004). Principles of Marketing - 10 th Edition. New Delhi: Prentice Hall.										
7. Krueger, N. F. (2002). Entrepreneurship: Critical Perspectives on Business and Management. New York: Routledge Classics.										
3. Kumar, A. (2012). Entrepreneurship: Creating and Leading an Entrepreneurial Organization. New Delhi: Pearson India Ltd.										
Mohanty, S. K. (2017). Fundamentals of Entrepreneurship. New Delhi: PHI Learning Pvt. Ltd.										
0. Sharma, S., Singh, B., & Singhal, S. (2005). Entrepreneurship Development. New Delhi: Wisdom Publication.										
Stokes, D., Wilson, D., & Mador, M. (2010). Entrepreneurship. Hampshire: Cenerge Learning.										

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क्रम्भाभाषित मित्रम्भाभाषा सत्त्वं शिव	HERE T	he M acult istitu rogra	aharaja Sayajirao University of Baroda y of Family and Community Sciences te of Fashion Technology amme of Garment Technology	Academic Year						2019-20		
			B.Sc. (Gan	ment Technology): Honors Programme								
Yea	ar I	ш	Core / Elective / Foundation FGT 1606C06: International Trade Practices		Cı	edits / Ho	02 (2+0) / 02					
Seme	ster	VI	Year of Introduction: 2014 Year of Syllabus Revision: 2018	Maximum Marks/ Grade					×	O (10 point	scale)	
Mode Transa	of action		Lectures				$\mathbf{\hat{\mathbf{X}}}$					
Course CC CC CC	e Outcom D1 Tog D2 Toin D3 Toe	e (CC ain th npart nable	P) FGT e conceptual clarity of the theoretical aspects of inter fundamental knowledge regarding import and export students to understand in detail the procedure to devo	national tra t elop interna	de tional and dom	estic trade						
Unit No.	Торіс			Contact Hours	Weightage	BT Level	СО	PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Professional Ethics (PE)	
1	Procedure Internation	es and onal tr onal tr	d documents: rade contract procedure; Methods of payments; rade documents; Uniform customs and practices	12	40	1, 2	CO1	PSO5				
2 Import-export: Excise duty procedure for exports; Export and import procedure 9 30 1, 2 under customs: FEMA regulations relating to exports and imports 9 30 1, 2		CO2	PSO5	SD	G	ES HV PE						
3	Policy an Foreign t shipment	d ship rade p and p	oment: policy; Export credit from banks in India: pre- post-shipment credit	9 30 1,2 CO3 PSO5								
Refere	ence Book	s										
1.	David, A	., & R	obbins, S., P. (1996). Human Resource Management.	New York	: John Wiley.							
2.	Frings, G	., S. (1999). Fashion from Concept to Consumer. New Jers	ey: Prentice	e Hall.							

3. Gorden, L., J. (1961). Economics for Consumer. New York: American Book Co.
4. Chris, G., B. (1960). An Outline on Advertising. New York: The Macmillan Co.
5. Kreitner, R. (2004). Management – 9^{th} ed. Boston: Houghton Mifflin.
6. Kotler, P. (2004). <i>Principles of Marketing – 10th ed.</i> New Delhi: Prentice Hall of India Pvt. Ltd.
7. Robbins, S., P., & Coulter, Mary. (1996). Management. New Delhi: Prentice Hall of India Pvt. Ltd.
8. Robbins, S., P., & David, A. (2001). Fundamentals of Management. New Delhi: Pearson India.
1. Automic S. L. & Columbing (C. A.). Analogement. New Delly: Person India. 8. Robbins, S., P., & David, A. (2001). Fundamentals of Management. New Delly: Person India.
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क्रम्भ आत्र विषय मिष्ठम्मप्रभाग अन्। सत्त्यं शिवं	State of the second	The M Facult Institu Progra	Iaharaja Sayajirao University of Baroda y of Family and Community Sciences ite of Fashion Technology amme of Garment Technology	Academic Year						2019-20		
			B.Sc. (Ga	rment Technology): Honors Programme								
Year III FGT 1607C07: Apparel Merchandising and Retailing				Ст	redits / Ho		03 (2+1) / 04					
Seme	ster	VI	Year of Introduction: 2018 Year of Syllabus Revision: -		Ma	aximum N		O (10 point	scale)			
Mode Trans	of action		Lectures and Practical									
Co Co Co Unit No.	D1 To D2 To D3 To D4 To	o unders o provid o unders <u>o impart</u>	at the correlation between merchandising and prove the a comprehensive understanding of the buying, retain that the fashion retailing and different techniques used in knowledge about different promotion and visual me Topic	duction func iling and me n retail fash rchandising	etions in appare erchandising fu ion promotion techniques Weightage (%)	L'buying)a notions BT Level		PSO	Elements of Employability (Emp)/ Entrepreneurship (Ent)/ Skill Development (SD)	Relevance to Local (L)/ National (N)/ Regional(R)/Global (G)	Relation to Gender (G), Environment and Sustainability (ES), Human Values (HV)and Brofassions!	
1	Merch Buying jobs ar	andising g agency nd roles	g: y and manufacturer: merchandising definitions, of merchandisers in buying offices and								Ethics (PE)	
	manuf export respon skills, regulat Comm new bu	acturing ing, indi nse sourc product tions, po nunicatio uyer what	(exporting units, apparel sourcing structure, direct irect exporting, foreign manufacturers, quick sing trends; Vendor selection criteria: location, , quality, deliver, cost, capacity, government olitical and economic environments, human rights; on with buyers: buyer checklist (when meeting a at aspects that buyer and manufacturer need to	12	25	1, 2	CO1	PSO5 PSO6	EMP SD	G	G ES HV PE	

	discuss); Range presentation to the buyer (to assess logical									
	sequencing)									
2	Buying cycle: Buying cycle of merchandiser: types of buying cycles / seasonal;					DSO5				
	Time and action calendar of merchandiser: comparative and directional shopping, range planning and selection of critical	8	15	1, 2	CO1	PSO6				
	path for product development, production and delivery									
3	Retailing:									
	Principle of retailing; Multi-channel retailing; Retail finance	10	20	1 2	CO2	PSO5				
	strategy; Customer relationship management; Structure of retail	10	20	-, -	CO3	PSO6				
	firm					$h \rightarrow h$				
4	Practical: Retail fashion promotion:	4.0			CO2	PSO5				
	Fashion advertising; Publicity; Special events: fairs / exhibitions /	10	10	2, 3, 5	CO3	PSO6				
	business service management									
5	Practical: Visual merchandising:	•	20	2, 3, 5,		PSO5				
	Store planning; Seasonal visual merchandising; Windows;	20	20	6	CO4	PSO6				
	Interiors; Elements of visual merchandising; Departments				Ť					
Refere	ence Books									
1.	Bailey, S., & Baker, J. (2014). Visual Merchandising for Fashion. I	London: Blo	oomsbury Publ	ishing.						
2.	Bhalla, S., & Anuraag, S. (2010). Visual Merchandising. New Delh	i: Tata McC	Graw Hill Educ	cation Pvt.	Ltd.					
3.	Clodfelter, R. (2013). Retail Buying: From Basics to Fashion - Fou	irth ed. New	v York: Fairchi	ild Books.						
4.	Curtis, E. (2004). Fashion Retail. New Delhi: Wiley India Pvt. Ltd.									
5.	Diamond, J., & Diamond, E. (2010). Contemporary Visual Merchan	ndising and	Environmenta	ıl Design. 1	New Jer	sey: Pren	tice Hall.			
6.	Diamond, J., Diamond, E., & Diamond, S. (2015). Fashion Retailing	g: A Multi-	channel Appro	<i>ach</i> – Thir	d ed. Lo	ondon: Bl	loomsbury Publishing.			
7.	Frings, G. (1999). Fashion from Concept to Consumer – 9th Edition	. New Jerse	v: Prentice Ha	.11.						
8.	Granger, M., & Sterling, T. (2011). Fashion Entrepreneurship: Retail Business Planning. London: Bloomsbury Publishing.									
9.	. Hebrero, M. (2015). Fashion Buying and Merchandising: From Mass-Market to Luxury Retail. Canada: CreateSpace Independent Publishing Platform.									
10.	0. Kincade, D. H. (2011). Merchandising of Fashion Products. New Delhi: Pearson Education.									
11.	1. Koumbis, D. (2014). Fashion Retailing: From Managing to Merchandising. London: Bloomsbury Publishing.									
12.	2. Rosenau, J. A., & Wilson, D. L. (2006). Apparel Merchandising: The Line Starts Here - 2 nd Edition. New York: Fairchild Publications.									
13.	3. Strahle, J. (2017). Green Fashion Retail. Singapore: Springer Science.									