

B.Sc.,
FASHION TECHNOLOGY
AND COSTUME DESIGNING

SYLLABUS

FROM THE ACADEMIC YEAR

2023 - 2024

TAMILNADU STATE COUNCIL FOR HIGHER EDUCATION,
CHENNAI – 600 005

B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING**Content**

- 1. Introduction to the Programme**
- 2. Highlights of the Programme**
- 3. Programme Outcomes (PO) of UG Degree Programme**
- 4. Programme Specific Outcomes (PSO) of UG Degree Programme**
- 5. Teaching Methodologies (Common for both UG and PG)**
- 6. Template For Curriculum Design for UG Degree Programme**
- 7. Credit Distribution for UG Programme**
- 8. Consolidated Semester Wise and Component Wise Credit Distribution**
- 9. Method of Evaluation**

B.Sc., FASHION TECHNOLOGY AND COSTUME DESIGNING

LEARNING OUTCOMES-BASED CURRICULUM FRAMEWORK GUIDELINES BASED REGULATIONS FOR UNDER GRADUATE PROGRAMME	
Programme:	B.Sc. Fashion Technology And Costume Designing
Programme Code:	
Duration:	3 Years (UG)
Programme Outcomes:	<p>PO1: Disciplinary knowledge: Capable of demonstrating comprehensive knowledge and understanding of one or more disciplines that form a part of an undergraduate Programme of study</p> <p>PO2: Communication Skills: Ability to express thoughts and ideas effectively in writing and orally; Communicate with others using appropriate media; confidently share one's views and express herself/himself; demonstrate the ability to listen carefully, read and write analytically, and present complex information in a clear and concise manner to different groups.</p> <p>PO3: Critical thinking: Capability to apply analytic thought to a body of knowledge; analyse and evaluate evidence, arguments, claims, beliefs on the basis of empirical evidence; identify relevant assumptions or implications; formulate coherent arguments; critically evaluate practices, policies and theories by following scientific approach to knowledge development.</p> <p>PO4: Problem solving: Capacity to extrapolate from what one has learned and apply their competencies to solve different kinds of non-familiar problems, rather than replicate curriculum content knowledge; and apply one's learning to real life situations.</p> <p>PO5: Analytical reasoning: Ability to evaluate the reliability and relevance of evidence; identify logical flaws and holes in the arguments of others; analyze and synthesize data from a variety of sources; draw valid conclusions and support them with evidence and examples, and addressing opposing viewpoints.</p> <p>PO6: Research-related skills: A sense of inquiry and capability for asking relevant/appropriate questions, problem arising, synthesising and articulating; Ability to recognise cause-and-effect relationships, define problems, formulate hypotheses, test hypotheses, analyse, interpret and draw conclusions from data, establish hypotheses, predict cause-and-effect relationships; ability to plan, execute and report the results of an experiment or investigation</p> <p>PO7: Cooperation/Team work: Ability to work effectively and respectfully with diverse teams; facilitate cooperative or coordinated effort on the part of a group, and act together as a group or a team in the interests of a common cause and work efficiently as a member of a team</p> <p>PO8: Scientific reasoning: Ability to analyse, interpret and draw conclusions</p>

	<p>from quantitative/qualitative data; and critically evaluate ideas, evidence and experiences from an open-minded and reasoned perspective.</p> <p>PO9: Reflective thinking: Critical sensibility to lived experiences, with self awareness and reflexivity of both self and society.</p> <p>PO10 Information/digital literacy: Capability to use ICT in a variety of learning situations, demonstrate ability to access, evaluate, and use a variety of relevant information sources; and use appropriate software for analysis of data.</p> <p>PO 11 Self-directed learning: Ability to work independently, identify appropriate resources required for a project, and manage a project through to completion.</p> <p>PO 12 Multicultural competence: Possess knowledge of the values and beliefs of multiple cultures and a global perspective; and capability to effectively engage in a multicultural society and interact respectfully with diverse groups.</p> <p>PO 13: Moral and ethical awareness/reasoning: Ability to embrace moral/ethical values in conducting one's life, formulate a position/argument about an ethical issue from multiple perspectives, and use ethical practices in all work. Capable of demonstrating the ability to identify ethical issues related to one's work, avoid unethical behaviour such as fabrication, falsification or misrepresentation of data or committing plagiarism, not adhering to intellectual property rights; appreciating environmental and sustainability issues; and adopting objective, unbiased and truthful actions in all aspects of work.</p> <p>PO 14: Leadership readiness/qualities: Capability for mapping out the tasks of a team or an organization, and setting direction, formulating an inspiring vision, building a team who can help achieve the vision, motivating and inspiring team members to engage with that vision, and using management skills to guide people to the right destination, in a smooth and efficient way.</p> <p>PO 15: Lifelong learning: Ability to acquire knowledge and skills, including „learning how to learn“, that are necessary for participating in learning activities throughout life, through self-paced and self-directed learning aimed at personal development, meeting economic, social and cultural objectives, and adapting to changing trades and demands of work place through knowledge/skill Development /re-skilling.</p>
<p>Programme Specific Outcomes:</p>	<p>On successful completion of Bachelor of Fashion Technology And Costume Designing programme, the student should be able to:</p> <p>PSO1: Disciplinary Knowledge: Understand the fundamental principles, concepts, and theories related to physics and computer science. Also, exhibit proficiency in performing experiments in the laboratory.</p> <p>PSO2: Critical Thinking: Analyse complex problems, evaluate information, synthesize information, apply theoretical concepts to practical situations, identify assumptions and biases, make informed decisions and communicate effectively</p> <p>PSO3: Problem Solving: Employ theoretical concepts and critical reasoning ability with physical, mathematical and technical skills to solve problems, acquire data, analyze their physical significance and explore new design possibilities.</p> <p>PSO4: Analytical & Scientific Reasoning: Apply scientific methods, collect and analyse data, test hypotheses, evaluate evidence, apply statistical techniques and</p>

	<p>use computational models.</p> <p>PSO5: Research related skills: Formulate research questions, conduct literature reviews, design and execute research studies, communicate research findings and collaborate in research projects.</p> <p>PSO6: Self-directed & Lifelong Learning: Set learning goals, manage their own learning, reflect on their learning, adapt to new contexts, seek out new knowledge, collaborate with others and to continuously improve their skills and knowledge, through ongoing learning and professional development, and contribute to the growth and development of their field.</p>
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PO/PSO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
PO1	✓					
PO2		✓				
PO3			✓			
PO4				✓		
PO5					✓	
PO6						✓

2. Highlights of the Revamped Curriculum:

- Student-centric, meeting the demands of industry & society, incorporating industrial components, hands-on training, skill enhancement modules, industrial project, project with viva-voce, exposure to entrepreneurial skills, training for competitive examinations, sustaining the quality of the core components and incorporating application oriented content wherever required.
- The Core subjects include latest developments in the education and scientific front, advanced programming packages allied with the discipline topics, practical training, devising statistical models and algorithms for providing solutions to industry / real life situations. The curriculum also facilitates peer learning with advanced statistical topics in the final semester, catering to the needs of stakeholders with research aptitude.
- The General Studies and Statistics based problem solving skills are included as mandatory components in the 'Training for Competitive Examinations' course at the final semester, a first of its kind.
- The curriculum is designed so as to strengthen the Industry-Academia interface and provide more job opportunities for the students.
- The Statistical Quality Control course is included to expose the students to real life problems and train the students on designing a mathematical model to provide solutions to the industrial problems.
- The Internship during the second year vacation will help the students gain valuable work experience, that connects classroom knowledge to real world experience and to narrow down and focus on the career path.
- Project with viva-voce component in the fifth semester enables the student, application of conceptual knowledge to practical situations. The state of art technologies in conducting a Explain in a scientific and systematic way and arriving at a precise solution is ensured. Such innovative provisions of the industrial training, project and internships will give students an edge over the counterparts in the job market.
- State-of Art techniques from the streams of multi-disciplinary, cross disciplinary and inter disciplinary nature are incorporated as Elective courses, covering conventional topics to the latest DBMS and Computer software for Analytics.

Value additions in the Revamped Curriculum:

Semester	Newly introduced Components	Outcome / Benefits
I	Foundation Course To ease the transition of learning from higher secondary to higher education, providing an overview of the pedagogy of learning Literature and analysing the world through the literary lens gives rise to a new perspective.	<ul style="list-style-type: none"> ➤ Instill confidence among students ➤ Create interest for the subject
I, II, III, IV	Skill Enhancement papers (Discipline centric / Generic / Entrepreneurial)	<ul style="list-style-type: none"> ➤ Industry ready graduates ➤ Skilled human resource ➤ Students are equipped with essential skills to make them employable
		<ul style="list-style-type: none"> ➤ Training on language and communication skills enable the students gain knowledge and exposure in the competitive world.
		<ul style="list-style-type: none"> ➤ Discipline centric skill will improve the Technical knowhow of solving real life problems.
III, IV, V & VI	Elective papers	<ul style="list-style-type: none"> ➤ Strengthening the domain knowledge ➤ Introducing the stakeholders to the State-of Art techniques from the streams of multi-disciplinary, cross disciplinary and inter disciplinary nature ➤ Emerging topics in higher education/ industry/ communication network / health sector, etc. are introduced with hands-on-training.

IV	Elective Papers	<ul style="list-style-type: none"> ➤ Exposure to industry moulds students into solution providers ➤ Generates Industry ready graduates ➤ Employment opportunities enhanced
V Semester	Elective papers	<ul style="list-style-type: none"> ➤ Self-learning is enhanced ➤ Application of the concept to real situation is conceived resulting in tangible outcome
VI Semester	Elective papers	<ul style="list-style-type: none"> ➤ Enriches the study beyond the course. ➤ Developing a research framework and presenting their independent and Intellectual ideas effectively.
Extra Credits: For Advanced Learners / Honors degree		<ul style="list-style-type: none"> ➤ To cater to the needs of peer learners / research aspirants
Skills acquired from the Courses		Knowledge, Problem Solving, Analytical ability, Professional Competency, Professional Communication and Transferrable Skill

ALAGAPPA UNIVERSITY, KARAIKUDI
NEW SYLLABUS UNDER CBCS PATTERN (w.e.f.2023-24)

FASHION TECHNOLOGY AND COSTUME DESIGNING
UG– Science-PROGRAMME STRUCTURE

Sem.	Part	Course Code	Title of the Paper	T/P	Cr.	Hrs. Week	Max. Marks			
							Int.	Ext.	Total	
I	I	T/OL	தமிழ் இலக்கிய வரலாறு-I /Other Languages -I	T	3	6	25	75	100	
	II	E	General English - I	T	3	6	25	75	100	
	III	23BFC1C1	CC-I	Fiber to Fabric	T	4	5	25	75	100
		23BFC1C2	CC-II	Fashion Designing	T	4	4	25	75	100
		23BFCA1	Generic Elective (Allied)	Allied – I Care and Maintenance of Textiles	T	3	3	25	75	100
		23BFCAP 1		Allied Lab- Care and Maintenance of Textiles	P	2	2	25	75	100
	IV	23BFC1SP	SEC -I	Fashion Sketching Practical	P	2	2	25	75	100
23BFC1FP		Foundatio n Course-	Fashion Designing Practical	P	2	2	25	75	100	
Total					23	30	200	600	800	
II	I	2321T	T/OL	தமிழ் இலக்கிய வரலாறு-2 /Other Languages-II	T	3	6	25	75	100
	II	2322E	E	General English - II	T	3	6	25	75	100
	III	23BFC2C1	CC-III	Basics of Garment construction	T	4	5	25	75	100
		23BFC2P1	CC-IV	Basics of Garment Construction Practical	P	4	4	25	75	100
		23BFCA2	Generic Elective (Allied)	Allied - II Home Textiles	T	3	3	25	75	100
		23BFCAP 2		Allied Lab- Home Textiles Practical.	P	2	2	25	75	100
	IV	23BFC2S1	SEC -II	Basics of Cosmetology	T	2	2	25	75	100
		23BFC2SP	SEC-III	Surface Embellishment Practical	P	2	2	25	75	100
		--		Naan Mudhalvan Course						
Total					23	30	200	600	800	
III	I	2331T	T/OL	தமிழக வரலாறும் பண்பாடும் /Other Languages-III	T	3	6	25	75	100
	II	2332E	E	General English – III	T	3	6	25	75	100
	III	23BFC3C1	CC-V	Organisation of Garment unit	T	4	5	25	75	100
		23BFC3P1	CC-VI	Garment Construction - Children's wear Practical	P	4	4	25	75	100
		23BFCA3	Generic Elective (Allied)	Allied – III Fabric Structure and Design	T	3	3	25	75	100
		23BFCAP 3		Allied Lab Fabric Structure and Design Practical	P	2	2	25	75	100
		23BFC3S1	SEC-IV	Business start up	T	2	2	25	75	100
	233AT/ 23BFC3SP	SEC-V	Adipadai Tamil / Ornaments and Accessory making Practical	P	2	2	25	75	100	

				Naan Mudhalvan Course							
				Total		23	30	200	600	800	
IV	I	2341T	T/OL	தமிழும் அறிவியலும் /Other Languages -IV	T	3	6	25	75	100	
	II	2342E	E	General English – IV	T	3	6	25	75	100	
	III	23BFC4C1	CC-VII		Industrial Garment Machineries	T	4	4	25	75	100
		23BFC4P1	CC-VIII		Garment Construction -Adult Wear Practical	P	3	3	25	75	100
		23BFCA4	Generic Elective (Allied)		Allied – IV- Textile Wet Processing	T	3	3	25	75	100
		23BFCAP4			Allied Lab- Textile Wet Processing- practical	P	2	2	25	75	100
	IV	23BFC4S1	SEC-VI		Marketing and Merchandising	T	2	2	25	75	100
		234AT/ 23BFC4SP	SEC-VII		Adipadai Tamil/ Computer Aided Design Practical	P	2	2	25	75	100
		23BES4	E.V.S			T	2	2	25	75	100
		--			Naan Mudhalvan Course						
				Total		24	30	225	675	900	

V	III	23BFC5C1	CC-IX	Costumes and Textiles of India	T	4	5	25	75	100	
		23BFC5C2	CC-X	Garment Quality and Cost Control	T	4	5	25	75	100	
		23BFC5C3	CC-XI	Textile Testing	T	4	5	25	75	100	
		23BFC5P1	CC-XII	Textile Testing - Practical	P	4	5	25	75	100	
		23BFC5E1	DSE-I	Apparel Brand management	T	3	4	25	75	100	
		23BFC5EP	DSE-II	Fashion Photography Practical	P	3	4	25	75	100	
IV		23BVE5		Value Education	T	2	2	25	75	100	
		23BFC5IV		Internship/Industrial Visit/ Field Visit		2	-	25	75	100	
		--		Naan Mudhalvan Course							
				Total		26	30	200	600	800	
VI		23BFC6C1	CC-XIII	The Business of Fashion	T	4	6	25	75	100	
		23BFC6D	CC-XIV	Dissertation		8	12	50	150	200	
		23BFC6E1	DSE-III	Technical Textiles	T	3	5	25	75	100	
		23BFC6EP	DSE-IV	Design process and product development Practical	P	3	5	25	75	100	
		--	PCS		Extension Activity		1	-	-	-	-
		23BFC6S1			Essential Reasoning and Quantitative Aptitude		2	2	25	75	100
		--		Naan Mudhalvan Course							
				Total		21	30	150	450	600	
				Grand Total		140	--	1175	3525	4700	

- TOL-Tamil/Other Languages,
- E – English
- CC-Core course
- Generic Elective (Allied)
- SEC-Skill Enhancement Course
- FC-Foundation Course
- DSE – Discipline Specific Elective

SEMESTER I

Course code	23BFC1C1	FIBER TO FABRIC		L	T	P	C
Core 1				5	T	-	4
Pre-requisite	Basic knowledge in textile science						
Course Objectives:							
The main objectives of this course are to:							
<ol style="list-style-type: none"> 1. Impart knowledge on the manufacturing process of fabric from the fiber 2. Teach the methods and techniques involved in the fibre, yarn and fabric manufacturing process 3. Know the trends and technologies followed in the textile industry 							
Expected Course Outcomes:							
On successful completion of the course, student will be able to:							
CO1	Classify fibers and understand the manufacturing and properties of natural fibers					K2	
CO2	Discover the manufacturing process of man made fiber					K3	
CO3	Understand the yarn types and its manufacturing process					K2	
CO4	Describe the weaving methods and its characteristic features					K1	
CO5	Gain an understanding of knitting and non wovens					K4	
K1-Remember;K2-Understand;K3-Apply;K4-Analyze;K5-Evaluate;K6–Create							
Unit:1	Fiber Classification, Natural fibers: Introduction to Textiles Fibers – classification of fibers–primary and secondary characteristics of Textile Fibers, manufacturing process, properties and uses of natural fibers–cotton, linen, Jute, silk, wool. Brief Study about Organic Cotton, woolen and worsted yarn, types of silk.					15hours	
Unit:2	Regenerated and synthetic fibers: Manufacturing process, properties, and uses of man-made fibers–Viscose rayon, nylon, polyester, acrylic. Brief study on polymerization, bamboo, spandex, Microfibers & its properties. Texturization: Objectives, Types of textured yarns & Methods of texturization.					15hours	
Unit:3	Yarn manufacturing: Spinning Definition and classification; Chemical and mechanical spinning; Cotton Yarn Production sequence and objectives- opening, cleaning, doubling, carding, combing, drawing, roving, spinning. Comparison of carded and combed yarn. Yarn- Definition and classification- simple and fancy yarns. Manufacturing Process of sewing threads–Cotton and synthetic. Yarn numbering systems- Significance of yarn twist					15hours	
Unit:4	Weaving Mechanism: Classification of fabric forming methods – Weaving preparatory processes and its objectives – Warping, Sizing and drawing–in Weaving mechanism- Primary, secondary & auxiliary motions of a loom. Parts and functions of a simple loom; Classification of looms, Salient features of automatic looms; Shuttle looms, Its Advantages - Types of shuttle less looms– Rapiet – Projectile– Air jet– Water jet.					15hours	
Unit:5	Knitting and Non-Woven Fabrics: Knitting- Definition, classification, Principles of weft and warp knitting – Terms of weft knitting. Knitting machine elements. Classification of knitting machines. Characteristics of basic weft knit structures Introduction to Non-Wovens- Application and uses					15hours	
Total Lecture hours						75 hours	
Text Books							

1	Handbook of Technical Textiles Volume I- Edited by A R Horrocks and S C Anand, Wood head publishing Ltd, England, 2016.
2	Handbook of Technical Textiles- Edited by A R Horrocks and S C Anand, Wood Head publishing Ltd, England, 2000.
3	Handbook of Technical Textiles, Volume 2: Technical Textile Applications – Edited by A. Richard Horrocks and Subhash C. Anand, Wood Head publishing Ltd, England, 2016.
Text Books	
1	Textile Mechanisms in Spinning and Weaving Machines, Ganapathy Nagarajan, Woodhead Publishing India in Textiles,2014.
2	Mechanisms of Flat Weaving Technology, Elena V, Chepelyuk, Palitha Bandaraand Valeriy VChoogin; Woodhead Publishing series in Textiles, 2013.
3	Hand book of fiber science and Technology, Menachem Lewin and Stephen B Sello, Marcel Dekker, Inc, NewYork,1984.
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	http://textilefashionstudy.com
2	https://fashion2apparel.blogspot.com/2017/07/classification-loom.html
3	https://www.inda.org/about-nonwovens/

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

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

Course code	23BFC1C2	FASHION DESIGNING	L	T	P	C
Core II			4	T	-	4
Pre-requisite	Basic knowledge in designing					
Course Objectives:						
The main objectives of this course are to:						
1. Impart knowledge on design concepts in the field of fashion						
2. Familiarize with the fashion cycles, consumers and theories						
3. Design suitable garments for unusual figure types						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Understand the design types, elements and principles of design				K2	
CO2	Appraise the colour combinations with standard colour harmonies				K5	
CO3	Interpret the fashion cycles, consumer groups and fashion theories				K2	
CO4	Develop dress design for unusual figure types				K6	
CO5	Define and describe the fashion terminologies and fashion profiles				K1	
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
Unit 1	Design Elements and Principles: Design- definition and types – structural and decorative design, requirements of a good structural and decorative design in dress, elements of design and its application in dress – line, shape or form, colour and texture. Principles of design and its application in dress – balance, rhythm, emphasis, harmony and proportion.				15 hours	
Unit:2	Standard Colour Harmonies: Colour theories; Prang colour chart, Dimensions of colour- hue, value, and intensity. Standard colour harmonies- Related, Contrasting and Neutral colour harmony; Application of Colour in principles of design- application of the same in dress design.				15hours	
Unit:3	Fashion Evolution and Fashion Forecasting: Fashion evolution– Fashion cycles, Length of cycles, consumer groups in fashion cycles– fashion leaders, fashion innovators, fashion motivation, fashion victim, Fashion followers. Adoption of Fashion theories–Trickle down, trickle up and trickle across. Fashion forecasting– Need for forecasting				15hours	
Unit:4	Designing Dresses for Unusual Figures: Deigning dresses for unusual figures – becoming and unbecoming – for the following figure types. Stout figure, thin figure, narrow shoulders, broad shoulders, round shoulders, large bust, flat chest, large hip, large abdomen, round face, large face ,small face, prominent chin and jaw, prominent forehead				15hours	
Unit:5	Fashion Terminologies and Fashion Profiles: Definition and meaning of the fashion terms– fashion, style, line and collection, Mannequin and dress forms; fashion show; high fashion; Haute couture, couture and couturier; knock-off; Avant Garde; Pret-a-porter. Role/qualities of a Fashion Designer, Fashion Stylist, Fashion Journalist, Fashion Merchandiser, Fashion Director.				15hours	

	Total Lecture hours	75 hours
Text Books		
1	Fashion Sketch Book–Bina Abling, Fair Child Publications, NewYork Wardrobe,1988.	
2	Artand Fashion in Clothing Selection– Mc Jimsey and Harriet, Iowa State University Press, Jowa 1973.	
Reference Books		
1	Fashion From Concept to Consumer– Frings Gini Stephens, Pears on Education, US, 1998.	
2	Inside the Fashion Business –Kitty G.Dickerson, Pearson Education, US, 2007.	
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		
1	https://www.apparelsearch.com/terms/index.htm	
2	https://www.instyle.com/fashion	
3	https://prezi.com/1tlwgnhviqs-/fashion-elements-and-principles-of-design/	

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

Course code	23BFC1SP	FASHION SKETCHING PRACTICAL	L	T	P	C
Skill Enhancement Course - 1			-		2	2
Pre-requisite	Basic drawing skills					
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Impart skills in drawing and colouring. 2. Illustrate garment sketches for children, women, and men. 3. Create sketches of different parts of a human body in different perspectives 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Illustrate garment designs for children				K4	
CO2	Illustrate garment designs for women				K4	
CO3	Illustrate garment designs for men				K4	
CO4	Sketch the parts of the body in various perspectives				K3	
CO5	Sketch different views of male and female face				K3	
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
1.Illustrate the Following in Different Perspectives						6hours
Instructions–Create for male and female						
<ul style="list-style-type: none"> • Eyes • Ears • Nose • Lips • Hairstyles • Arms • Legs 						
2.Sketch the face of male and female in different views						6hours
<ul style="list-style-type: none"> • Front view • Three quarter turned view • Profile view (side view) 						
3.Illustrate the Following Children’s Garments						6hours
Instructions–Create designs and Colour us in any medium; Give details						
<ul style="list-style-type: none"> • Bib • Jabla with knicker • Baba suit • Frocks 						
4.Illustrate the Following Women’s Garments						6hours
Instructions–Create designs; Colour us in any medium; Give details						
<ul style="list-style-type: none"> • Skirts • Ladies tops • Salwar 						

<ul style="list-style-type: none"> • Kameez • Maxi/ Gown • Dungarees 	
5.Illustrate the Following Men's Garments	
6hours	
Instructions –Create designs; Colour us in any medium; Give details <ul style="list-style-type: none"> • T-Shirts • Shirts • Pants • Kurta • Pyjama 	
Total Lecture hours	
30 hours	
Text Books	
1	Fashion Design Drawing and Presentation, Ireland Patrick John, Pavilion Books, 1982.
2	Fashion Design Illustration: Children, Ireland Patrick John,BT Batsford Ltd,1995.
3	Fashion Design Illustration: fasMen, Ireland Patrick John, BT Batsford Ltd, 1996.
Reference Books	
1	Fashion Illustration, Kiper Anna, David& Charles, 2011. ISBN:9780715336182.
2	Foundation in fashion design and illustration–Julian Seaman, Batsford Publishers,2001.
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://www.idrawfashion.com/
2	https://www.fashionistasketch.com/drawing-faces-fashion-illustration/
3	https://in.pinterest.com/pin/458804280762797371/

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

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

Course code	23BFC1F C	FASHION DESIGNING PRACTICAL	L	T	P	C
Skill Enhancement Foundation Course			-	-	2	2
Pre-requisite	Knowledge in Fashion Sketching					
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Familiar with the elements and principles of design. 2. Play with colours following the standard colour harmonies. 3. Create garment design for various seasons on fashion figures. 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Develop Prang colour chart, value and intensity chart					K6
CO2	Illustrate human figures- child, women and men					K4
CO3	Sketch garment designs following the various elements of design					K3
CO4	Apply the principles of design and colour harmonies in garments design					K3
CO5	Create garment designs for various seasons					K6
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
1.PreparethefollowingCharts						5hours
<ul style="list-style-type: none"> • Prang colour chart, • Value chart • Intensity chart 						
2.Illustrate Human Figure for the Following Heads						5hours
<ul style="list-style-type: none"> • Child - 6 head. • Women – 8 head, 10 head and 12 head. • Man –10head 						
3.Illustrate Garment Designs for the Elements of Design						5hours
<ul style="list-style-type: none"> • Line • Texture • Shape 						
4.Illustrate Garment Designs for the Principles of Design						5hours
<ul style="list-style-type: none"> • Balance (Formal and Informal) • Harmony • Emphasis • Proportion • Rhythm(by Repetition, Gradation and Line Movement) 						
5.Illustrate the Colour Harmony in Dress Design						5hours

<ul style="list-style-type: none"> • Monochromatic • Analogous • Complimentary • Double complementary • Split complementary 	
<ul style="list-style-type: none"> • Triad • Neutral 	
6.Create Garments for the Following Seasons	5 hours
<ul style="list-style-type: none"> • Summer • Winter • Autumn • Spring 	
Total Lecture hours	
30hours	
Text Books	
1	Fashion Sketch Book, Bina Abling, Fair Child Publications, New York Wardrobe, 1988.
2	Illustrating Fashion, Kathryn Mc Kelvey and Janine Munslow, Black well Science, 1997.
Reference Books	
1	Art and Fashion in Clothing Selection, Mc Jimsey and Harriet, Iowa State University Press, Iowa, 1973.
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://www.idrawfashion.com/
2	https://www.fashionistasketch.com/drawing-faces-fashion-illustration/
3	https://in.pinterest.com/pin/458804280762797371/

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

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

Semester II

Course code	23BFC2C1	BASICS OF GARMENT CONSTRUCTION	L	T	P	C
Core III			5	-	-	4
Pre-requisite	Basic knowledge about garment components					
Course Objectives:						
The main objectives of this course are to:						
1. Teach the basics of the functions of the sewing machine and the essential tools						
2. Explain the techniques of pattern making, grading and alteration						
3. Understand the types of sleeves, yokes and collars						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Describe the functions of a sewing machine and the tools needed for sewing					K2
CO2	Compare the methods of preparing pattern					K2
CO3	Appraise the types of sleeve					K4
CO4	Analyze the types of collars and yokes					K4
CO5	Appraise the techniques in pattern layout, alteration and grading					K5
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
Unit:1	Essentials of Sewing					15 hours
Parts and functions of a single needle machine, essential tools – cutting tools, measuring tools, marking tools, embroidery tools, general tools, pressing tools, Body measurement – importance, Method of taking measurements for ladies and men. Measurements required for women’s salwar and kameez. Measurements required for men’s shirt and Pant.						
Unit:2	Pattern Making and Fitting					15 hours
Pattern Making – Types; Drafting, Draping and Commercial Patterns; Advantages and Limitations. Methods of transferring pattern markings; Grain – Importance, its types; Fitting - Standards of a good fit						
Unit:3	Sleeve and Its Types					15 hours
Sleeves – definition, types, set-in-sleeves – plain sleeve, puff sleeve, bishop sleeve, bell, circular. Modified armhole – squared armhole. cap sleeve and Magyar sleeve. Sleeve and bodice combined – raglan, kimono and dolman						
Unit:4	Types of Collars and Yokes					15 hours
Collars – definitions, types, peter pan, scalloped, puritan, sailor, square, rippled, full shirt collar, open collar, Chinese, turtle neck, shawl collar Yokes – types, simple yoke, yoke with fullness within the yoke, yoke supporting/ releasing fullness.						
Unit:5	Pattern Alteration, Layout and Grading					15 hours
Pattern alteration – importance of altering patterns, general principles for pattern alteration, common pattern alteration in a blouse. Pattern layout - definition, purpose, rules in layout, types of layouts Pattern grading (manual) – definition, basic front, basic back basic sleeve						

	Total Lecture hours	75 hours
Text Books		
1	Practical Clothing Construction – Part I, Mary Mathews, Cosmic Press, Chennai ,1986.	
2	Practical Clothing Construction – Part II, Mary Mathews, Cosmic Press, Chennai ,1986.	
3	Zarapker system of cutting –Zarapker. K. R., Navneet publications Ltd ,1994.	
Reference Books		
1	Pattern Grading for Women’s clothing, The technology of sizing, Gerry Cooklin, Blackwell Science Ltd ,1990.	
2	Sewing and Knitting – A Readers Digest, Step -by -Step Guide, Readers Digest Pvt Ltd, Australia,1993.	
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		
1	http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827	
2	https://fashion2apparel.blogspot.com/2017/03/pattern-grading-methods-apparel.html	
3	https://textilelearner.blogspot.com/2014/10/a-focus-on-garments-fitting.html	
4	https://www.fibre2fashion.com/industry-article/5658/basics-of-pattern-making	

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

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

Course code	23BFC2 P1	BASICS OF GARMENT CONSTRUCTION PRACTICAL	L	T	P	C
Core IV			-	-	4	4
Pre-requisite	Basic knowledge in garment construction					
Course Objectives:						
The main objectives of this course are to create:						
<ol style="list-style-type: none"> 1. Impart sewing skills in creating garment components. 2. Develop miniature patterns for skirts, sleeves, collars and yoke. 3. Create miniature samples for skirts, sleeves, collars and yoke 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Develop samples for seams, seam finishes and hems				K6	
CO2	Create samples for fullness and neckline finishes				K6	
CO3	Create samples for plackets fasteners and pockets				K6	
CO4	Construct miniature samples for skirt and sleeves				K6	
CO5	Construct miniature samples for collars and yoke				K6	
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
1.Preparation Samples for the Following						35hours
<ol style="list-style-type: none"> 1. Seams–Plainseam,topstitchedseam,flatfellseam,ppedseam,lappedseam 2. Seam Finishes–double stitch, edge stitched, over lock(optional) 3. Hems–narrow, stitched and turned, hems for circular shape 4. Darts –single and double 5. Tucks–Pin tuck, cross tuck, group tucking 6. Neckline Finishes–Bias facing, Bias binding and Shaped facing 7. Plackets–continuousplacket,boundplacketandfacedplacket,zipperplacket,tailoredplacket 8. Fasteners–Press buttons, Hook and eye, Button and Buttonhole 9. Pocket–Patch pocket, side seam pocket, bound and faced pocket 						
2.Prepare Miniature Samples for the following						40hours
<ol style="list-style-type: none"> 1. Skirt–pleated skirt, gathered skirt, circular skirt 2. Sleeve–Plain sleeve, Magyar Sleeve, Raglon Sleeve 3. Collar-Flat collar(any type),Open collar 4. Simple Yoke 						
					Total Lecture hours	75hours
Text Books						
1	Practical Clothing Construction–PartI, Mary Mathews, Cosmic Press, Chennai, 1986.					
2	Practical Clothing Construction–PartII, Mary Mathews, Cosmic Press, Chennai, 1986.					
3	Zarapker system of cutting–Zarapker.K.R., Navneet publicationsLtd,1994.					
Reference Books						
1	Sewing and Knitting–A Readers Digest, Step-by-Step Guide, Readers Digest Pv tLtd, Australia,1993.					
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]						
1	http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827					

2	https://fashion2apparel.blogspot.com/2017/03/pattern-grading-methods-apparel.html
3	https://textilelearner.blogspot.com/2014/10/a-focus-on-garments-fitting.html
4	https://www.fibre2fashion.com/industry-article/5658/basics-of-pattern-making

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

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

Course code	23BFC2S1	BASICS OF COSMETOLOGY	L	T	P	C
Skill Enhancement Course – II			2	-	-	2
Pre-requisite	Basic knowledge about personal care					
Course Objectives:						
<ol style="list-style-type: none"> 1. To gain knowledge about personal grooming 2. To enable the student to develop knowledge in dressing, make up to the Etiquettes. 3. To help them to understand and apply the procedures for different personalities 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Importance of cosmetology				K1	
CO2	Understand Equipment used for pedicure, basic pedicure technique				K2	
CO3	Be aware of Equipment and techniques used for Manicure				K2	
CO4	Analyze skin and hair				K3	
CO5	Apply face make up				K4	
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
Unit:1	Cosmetology – An Introduction				12hours	
Cosmetology–Introduction, Definition, and its importance-difference between beautician and cosmetologist -features of a cosmetologist –Types and application- Self- grooming–definition and its importance.						
Unit:2	Pedicure				12hours	
Pedicure, definition, need for pedicure, tools and equipment used for pedicure, step by-step procedure of pedicure-, pedicure technique– benefits – difference between spa and regular pedicure- Pedicure safety.						
Unit:3	Manicure				12hours	
Manicure- equipment used for Manicure, Types- French, hot oil, dip power manicures-Paraffin wax treatments -shaping of nails, removal of the cuticles, Mehendi-Classical, Arabic, Glitter, Painting and Nail Art- Nail Care.						
Unit:4	Skin and hair				12 hours	
Structure and function of skin, Skin types, skin tones, tips for skin care and steps in basic facial. Care for skin and hair-Basic Hairstyles: Knotted style - Rolling style – Plaited style-Basic structure of skin and hair, Products available, skin and hair care, makeup for face and hairdo styles.						
Unit:5	Face make up				12hours	
Face makeup -meaning, makeup application, Make- up types, shape and colour of Hair, hair care and hairstyles for occasion. Basic Haircuts-Straight Trimming, “U”-cut and “V”– Cut.						
					Total Lecture hours	60 hours
Text Books						
1	Dr. Neena Khanna, Body and Beauty Care, Pustak Mahal Publishers (2011).					

2	Rashmi Sharma, Herbal Beauty & Body Care. Pustak Mahal Publishers(2011).
3	Richa Dave, Make-up Album, Navneet Publication (2006).
Reference Books	
1	Catherine M. Frangie. Milady, Standard Cosmetology, Milady Publishing Company.(2014).
2	Roshini Dayal, Natural Beauty Secrets from India, Tata Publishing Enterprises. LLC,(2008).
3	P.J.Fitzgerald., The complete book of Hair styling, Mansoor bookhouse,(2003). Trinny woodwall, Sunnall constantive,
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://www.pharmacistdunia.com/2018/07/introduction-to-cosmetology.html
2	https://ncert.nic.in/vocational/pdf/kvbk103.pdf
3	https://www.health.harvard.edu/topics/skin-and-hair
4	https://www.colorescience.com/blogs/learn/how-to-apply-makeup

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

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

Course code	23BFC2SP	SURFACE EMBELLISHMENT PRACTICAL		L	T	P	C
Skill Enhancement Course - III				-	-	2	2
Pre-requisite	Knowledge in Fashion Sketching						
Course Objectives:							
The main objectives of this course are to:							
<ol style="list-style-type: none"> 1. Inherit embroidery skills by hand and machine 2. Appreciate the beauty and intricacies of the traditional embroideries of India 3. Enhance creativity by the application of smocking 							
Expected Course Outcomes:							
On the successful completion of the course, student will be able to:							
CO1	Create hand embroidery samples					K6	
CO2	Create machine embroidered samples					K6	
CO3	Develop samples using surface enrichment					K3	
CO4	Design and develop samples for drawn thread embroidery, applique, quilting					K6	
CO5	Create added structural effects using smocking					K6	
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create							
1. Create Hand Embroidery Samples (10 stitches and 5 samples)						6 hours	
<ul style="list-style-type: none"> • Outline stitches • Filling stitches • Loop stitches • Cross stitches 							
2. Create Embroidery Samples Using Machine						6 hours	
<ul style="list-style-type: none"> • Running stitch • Satin Stitch • Granite Stitch • Cording • Needle cording 							
3. Create the Following Samples						6 hours	
<ul style="list-style-type: none"> • Beadwork • Sequin work • Ribbon embroidery • Mirrorwork • Drawn threadwork 							
4. Create Samples with Applique, Patchwork and Quilt (any 2 types)						6 hours	
<ul style="list-style-type: none"> • Applique • Simple / Geometric patch work • Quilting 							
5. Create Samples with Smocking						6 hours	
<ul style="list-style-type: none"> • French Smocking (any 3 types) • Chinese Smocking 							

		Total Lecture hours	30hours
Text Books			
1	ShailajaDNaik, Traditional Embroideries of India, APH Publishing, 1996		
2	Megan Eckman, Everyday Embroidery for Modern Stitchers, C&T Publishing, 2020		
Reference Books			
1	Libby Moore, Thread Folk: A Modern Makers Book of Embroidery Projects and Artist Collaborations, Paige Tate & Co, 2019		
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]			
1	https://sewguide.csom/smocking/		
2	https://www.youtube.com/watch?v=Ug2d1NUuE4A		
3	https://www.youtube.com/watch?v=uJ2SyeFA_B4		
4	https://www.youtube.com/watch?v=nJz9c8gEvFg		

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

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

Course code	23BFC3C1	ORGANISATION OF GARMENT UNIT	L	T	P	C
Core V			5	-	-	4
Pre-requisite	Basic knowledge on garment and quality					
Course Objectives:						
The main objectives of this course are to:						
1. Enable student to become a successful entrepreneur/manager in the future						
2. Impart knowledge on the organisation of the various departments of a garment unit						
3. Gain a better understanding of a garment unit with SWOC analysis						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Interpret the meaning of entrepreneur and management					K2
CO2	Understand the organizational structure of a garment unit					K2
CO3	Plan factory design and layout to suit the production needs					K4
CO4	Prepare cost sheet for a finished product					K3
CO5	Setup a garment unit by performing SWOC analysis					K4
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
Unit:1						
		Entrepreneur and Management				15 hours
Entrepreneur-Meaning, definition and types, need for Entrepreneurs, qualities, and role of Entrepreneur. Management-Definition. Management as a process- Planning,organizing,Directing,ControllingandCoOrdination.DifferencebetweenEntrepreneur And Manager.						
Unit:2						
		Organizational Structure of a Garment Unit				15 hours
Organizationalstructureofagarmentunit,Designdepartment,Financedepartment,purchasing department, Production department, organizing different sections- Hierarchy Personnel involved in all the departments, nature of the job. Role of HR in apparel industry.						
Unit:3						
		Factory Design and Layout				15 hours
Factory Design and layout – importance of factory design, factors affecting factory design, Typesofbuildings(singleandMulti-Storey)-advantagesandlimitation.Factorylayout- Process,ProductandcombinedlayoutDesignrequirement-requirementsrelatingtohealth,safetyand welfare.Balancing-StepstobalancetheLine-Initialbalance-Balancecontrol-Efficiency-Cyclechecks- Balancing tools.						
Unit:4						
		Principles of Costing				15 hours
Principles of costing- Requirement of good costing system. Cost estimation of yarn and fabric. Cost estimation for dyeing, printing, embroidery, cutting, stitching, checking, packing, final inspection, shipping and insurance.						
Unit:5						
		Garment Export Unit				15 hours
PerformanceofIndianGarmentExportandInstitutionssupportingEntrepreneurs,SWOC Analysis Setting upofgarmentunitforexportmarket,ExportDocument,Exportfinance- Paymentmethod,Exportshipping. Institutions supporting entrepreneurs-DIC,NSIC, SISI,SIPCOT,TII,KVIC,CODISSIA, Commercial						

banks –SBI.	
Total Lecture hours	
75 hours	
Text Books	
1	IntroductiontoClothingProductionManagement,AJChester2ndEdition,WrenburyAssociatesLtd, 1998.
2	The technology of clothing manufacture, Harold Carrand Barbara Latham,Black well Science, 1994.
3	Apparel Costing, A functional Approach- Krishnakumar.M,AbishekPublications,Chandigarh,2011.
Reference Books	
1	PrinciplesofManagement,DinakarPagare,SultanChandandSons,Delhi,2018.
2	EntrepreneurshipDevelopmentinIndia,Dr.C.BGupta,DrN.P.Srinivasan,SultanChand andSons Delhi,1997.
3	IndustrialEngineeringinApparelProduction,V.RameshBabu,WoodHeadPublishingIndia inTextiles,2012.
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://lonelyentrepreneur.com/types-of-entrepreneurs/
2	https://textilecourse.blogspot.com/2019/02/plant-layout-textile-garment-industry.html
3	https://www.fibre2fashion.com/industry-article/7665/the-organisation-of-a-clothing-factory
4	https://apparelcosting.blogspot.com/2017/05/apparel-costing-principles.html
5	https://www.onlineclothingstudy.com/2019/04/how-to-start-garment-business.html

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

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

Course code	23BFC3P1	GARMENT CONSTRUCTION – CHILDREN’S WEAR PRACTICAL	L	T	P	C
Core VI			-	-	4	4
Pre-requisite	Basic knowledge in garment construction					
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. Design garments for children. 2. Impart skills in pattern drafting. 3. Construct garments by sewing. 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Design garments for child					K6
CO2	Develop patterns using drafting method					K6
CO3	Select the necessary tools needed for sewing					K6
CO4	Construct garments by sewing					K3
CO5	Discover new techniques in pattern making and garment construction					K4
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
1.Design, Draft and Construct the Following Garments for a Child						75hours
<ul style="list-style-type: none"> • Bib • Panty • Jabla • Knicker • Baba suit • A line frock • Summer frock • Midi and top • Frock-Partywear 						
Total Lecture hours						75hours
Text Books						
1	Practical Clothing Constructing- PartI andII, Mary Mathews, Cosmic Press, Chennai,1986.					
2	Zarapker System of Cutting- Zarapker .Kltd.R,Navneet Publications,1994.					
Reference Books						
1	Cutting and tailoring Course Gayatri Verma &KapilDev, Computech Publications, 2009.					
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]						
1	http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827					
2	https://www.youtube.com/watch?v=nI-ShbmnuVg					
3	https://www.youtube.com/watch?v=LuazkYL0J3A					
4	https://www.youtube.com/watch?v=zLkNgkzx-wI					

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

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

Course code	.23BFC3S1	BUSINESS STARTUP		L	T	P	C
Skill Enhancement Course- IV				2	-	-	2
Pre-requisite	Basic knowledge about Business						
Course Objectives:							
The main objectives of this course are to:							
1. Impart skill in starting a business.							
2. Gain knowledge about business planning and evaluation.							
3. Be aware of IPR and copyright.							
Expected Course Outcomes:							
On the successful completion of the course, student will be able to:							
CO1	To identify pain points, customer problems and develop proto type					K2	
CO2	To identify and evaluate business opportunities					K4	
CO3	To Prepare business plan and identify competitors					K5	
CO4	To plan financial sources					K4	
CO5	To understand IPR, Brand and copyright					K3	
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create							
Unit:1	Business startup – An Introduction					3hours	
Business startup - terms and definition, Introduction to pain points, identification of pain points, empathize with Customer Problems, market survey, develop proto type, gather proto type sample feedback.							
Unit:2	Business Ideas and Opportunities					3hours	
Gather sources of ideas, identify business opportunities (performance of existing industries, export and import data, availability of raw material, government policies, trade fairs, abroad trends), evaluation of business opportunities, BCG Matrix, Brainstorm worksheet.							
Unit:3	Business Plan					3hours	
Prepare business plan, perform business model canva, identify market gap and potential customers, understand target segment, evaluate target customer, value proposition canva, SWOT analysis, identify peer competitors, competitor analysis.							
Unit:4	Financial Status and Analysis					3hours	
Introduction to financial statements, financial analysis, value proposition financial feasibility, revenue stream, cost structure, MSME schemes, government Schemes and subsidy for startups, difference between angel investor and venture capitalist.							
Unit:5	Intellectual Property Rights					3hours	
Intellectual property rights in fashion business, Patents: meaning and law regarding Patent, what can be patented, conditions of patent, rights of patentees, Trademark: meaning and definition Brand: definitions, distinction between Trademark and Brand Copyrights: meaning and concept, features of Copyright.							
					Total Lecture hours		15 hours
Text Books							

1	Start-up: A Practical Guide to Starting and Running a New Business, Tom Harris, Springer, 07-Aug2018
2	Business Model Canvas: A Good Tool with Bad Instructions? Rod King, 2017
3	Handbook of Deep Trade Agreements Aaditya Mattoo, Nadia Rocha, Michele Ruta, 2020
4	Entrepreneurship and Local Economic Development a Comparative Perspective on Entrepreneurs, Universities and Governments, 2018
Reference Books	
1	Corbman BP, Textiles– Fibre to Fabric, International Students Edition, Mc. Graw Hill Book Co, Singapore, 1985
2	Entrepreneurship and Economic Development, 2010
3	Start Your Own Business, Sixth Edition by The Staff of Entrepreneur Media Selling Your Startup by Alejandro Cremades · 2021
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://textilelearner.blogspot.com/2011/06/weaving-weaving-mechanism_643
2	https://textilelearner.blogspot.com/2012/07/basic-woven-fabric-structure-plain
3	http://textilefashionstudy.com/category/fabric-manufacturing-technology-2
4	http://www.warporweft.com/types-of-looms

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

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

Course code	23BFC3SP	ORNAMENTS AND ACCESSORY MAKING PRACTICAL	L	T	P	C
Skill Enhancement Course- IV			-	-	2	2
Pre-requisite	Familiar with types of ornaments and accessories				2020-2021	
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. To create and develop ornaments and accessories. 2. To design ornaments and accessories for various occasion. 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
1	Develop new accessories with fabrics				K6	
2	Understand new techniques of creating ornaments.				K2	
3	Discover new ideas of creating ornaments and accessories.				K3	
4	Create a complete set of ornaments for bridal and other special dress				K6	
5	Organize items need for creating accessories and ornaments efficiently				K6	
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
Create the Following Accessories with Fabric.						20 hours
<ul style="list-style-type: none"> • Handbag / cellphone pouch • Slipper or shoe • Belt for men and women • Mask and Gloves 						
Create the following ornaments.						30 hours
<ul style="list-style-type: none"> • Hair ornaments • Ear ornaments • Neck ornaments • Hand ornaments • Finger ornaments • Hip ornaments • legs ornaments • Head fascinators 						
Create set of ornaments to suit a dress.						10 hours
<ul style="list-style-type: none"> • Set of ornaments for bridalwear / fashion show/ office wear/ casual wear/ dance costumes. 						
Record Notebook – Fix photographs of the items created and explain the details of materials used and the method of construction						
Total Lecture hours						60 hours

Text Books	
1	Jewellery Making, A Complete Course for Beginners, Jinks McGrath, Apple Press, 2007
2	The Workbench Guide to Jewellery Techniques, Anastasia Young, Thames and Hudson, 2010
Reference Book	
1	The Bag Making Bible: The Complete Creative Guide to Sewing Your Own Bags - Lisa Lam, Amy Butler, Published by David & Charles, 2010
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://www.youtube.com/watch?v=pdwJZZSUjfs
2	https://www.youtube.com/watch?v=4jNCJm3j0ec
3	https://www.youtube.com/watch?v=RehISbeKeMo
4	https://www.youtube.com/watch?v=bpjpvxos200
5	https://www.youtube.com/watch?v=7OTfnxojulM

Mapping with Programme Outcomes										
Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	P10
CO 1	S	S	S	S	M	L	L	M	M	S
CO 2	S	S	S	S	M	M	L	M	L	S
CO 3	S	S	S	S	M	M	L	M	L	S
CO 4	S	S	S	S	S	S	S	S	M	S
CO 5	M	L	L	L	M	M	L	S	M	S

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

Course code	23BFC4C1	INDUSTRIAL GARMENT MACHINERIES	L	T	P	C
Core VII -			4	-	-	4
Pre-requisite		Basic knowledge about garment manufacturing machineries				
Course Objectives:						
The main objectives of this course are to:						
1. Gain knowledge of the industrial practices in all the stages of garment manufacturing.						
2. Familiarize with the techniques and technology adopted in the garment industry.						
3. Gain familiarity with the federal standards of stitch and seam classification.						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Understand the stitching mechanism					K2
CO2	Relate to the cutting and spreading methods in industries					K1
CO3	Connect to the industrial marking and pressing methods					K4
CO4	Analyse the type of sewing machines and its functions					K4
CO5	Classify stitches and seams according to the federal standard					K2
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
Unit:1	Stitching Mechanism					15hours
Stitching mechanism- Needles, bobbin and bobbin case, bobbin winding, loops and loop spreader, upper and lower threading, auxiliary hooks, throat plates, take ups, tension discs- Upper and lower thread tension, stitching auxiliaries, pressure foot and its types, Feed mechanisms- drop feed, differential feed, needle feed, compound feed, unison feed, puller feed.						
Unit:2	Cutting and Spreading Methods					15hours
Spreading – Types of spread and its quality, parts and functions of spreading equipment, spreading methods. Marking methods, positioning marking types of markers, efficiency of a marker plan, requirements of marker planning						
Unit:3	Marking and Pressing Methods					15 hours
Cutting equipment– Parts and functions of Straight knife cutting machine, rotary cutting machine, band knife cutting machine, die cutters. Pressing–purpose, pressing equipment’s and methods– iron, steam press, steam air finisher, steam tunnel, special types– pleating, permanent						
Unit:4	Sewing Machineries					15hours
Sewing Machineries - Classification of sewing machines, parts and functions of Single Needle lockstitch machine, over lock machine, bar tacking machine, button hole machine, button fixing machine, blind stitching machine, fabric examining machine. Special attachments, care and maintenance of sewing machines, Common problems and remedies						
Unit:5	Packaging, Sewing Threads, Stitches and Seams					15hours
Garment Packaging–Types of package forms, Sewing threads-types, essential qualities of a sewing thread,						

Federal standards for stitch and stitch classification, Federal standards for seam and seam classification. Introduction to Alin Textile Industry	
	Total Lecture hours
	75 hours
Text Books	
1	The Technology of Clothing Manufacture – Harold Carr and Barbara Latham, Blackwell Science, 1994.
2	Apparel Manufacturing Handbook: Analysis, Principles and Practice 2nd Edition – Jacob Solinger, Bobbin Blenheim Media Corp, 1988.
Reference Books	
1	Reader's digest Sewing guide, Complete Guide to Sewing 13th Edition, The Reader's Digest Association Inc, Pleasant Ville, 1997.
2	A complete guide for sewing – Coles M Sew, Heinemann Professional Publishing, Singapore, 1977.
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://clothingindustry.blogspot.com/2018/04/packaging-process-garment-industry.html
2	https://www.youtube.com/watch?v=palmFFnMT1E
3	https://www.youtube.com/watch?v=67K0RMJVB_U
4	https://www.youtube.com/watch?v=HIBcn9IgirC
5	https://www.youtube.com/watch?v=QOofEoJQyro

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

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

Course code	23BFC4P1	GARMENT CONSTRUCTION – ADULT WEAR PRACTICAL		L	T	P	C
Core VIII				-	-	3	3
Pre-requisite		Basic knowledge about sewing machine and construction.					
Course Objectives:							
The main objectives of this course are to:							
<ol style="list-style-type: none"> 1. Design garments for women and men 2. Impart skills in pattern drafting 3. Construct garments by sewing 							
Expected Course Outcomes:							
On the successful completion of the course, student will be able to:							
CO1	Design garments for women and men					K6	
CO2	Develop patterns for women and men using drafting method					K1	
CO3	Select the necessary tools needed for sewing					K2	
CO4	Construct garments by sewing					K4	
CO5	Discover new techniques in pattern making and garment construction					K5	
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create							
1.Design,Draftandconstruct the following garments for a Woman (Minimum 4 garments)						45hours	
<ul style="list-style-type: none"> • Saree Petticoat • Salwar • Kameez • Wrap around skirt and tops. • Nightie • Blouse 							
2.Design, Draft and construct the following garments for a Man (Minimum 3 garments)						30hours	
<ul style="list-style-type: none"> • Bermuda • T Shirt • Nehru Kurta • Pyjama • Slack Shirt • Pant 							
Total Lecture hours						75hours	
Text Books							
1	Practical Clothing Constructing- Part I and II, Mary Mathews, Cosmic Press, Chennai, 1986.						
2	Zarapker System of Cutting- Zarapker. K.R, Navneet Publications Ltd, India, 2011.						
Reference Books							
1	Cutting and sewing theory, Gayatri Verma, Kapil Dev, Computer tech Publication Ltd, India, 2019.						
2	Patterncuttingandmakingup,theprofessionalapproach,MartinM.ShobenandJanetP.Ward,Routledge Taylor and Francis Group, London and New York, Revised edition, 2011.						

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

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

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

Course code	23BFC4S1	39 MARKETING AND MERCHANDISING				L	T	P	C
Skill Enhancement Course VI					2	-	-	2	
Pre-requisite	Basic knowledge fashion and consumer								
Course Objectives:									
The main objectives of this course are to:									
<ol style="list-style-type: none"> 1. Impart knowledge on the underlying concepts of marketing and fashion marketing 2. Familiarise with the fashion products, consumer, communications, research and forecasting 3. Describe the role of merchandisers in the garment industry and their types 									
Expected Course Outcomes:									
On the successful completion of the course, student will be able to:									
CO 1	Understand the basic concepts of marketing and fashion marketing					K2			
CO 2	Describe the types of fashion products and the consumer behavior					K1			
CO 3	Explain the process of communication, marketing research and forecasting					K1			
CO 4	Discover the importance of merchandisers and their types					K3			
CO 5	Interpret types of stores, design, layouts and merchandise presentation					K2			
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create									
Unit:1	Introduction to Marketing						12hours		
Marketing – Meaning, Marketing management philosophies, Marketing and Fashion Marketing, The fashion market–structure and size. Marketing environment– Micro and Macro marketing. Marketing Mix– Product, price, promotion and place; Marketing Functions– Assembling, Standardization and packaging; Digital Marketing– meaning, scope and advantages									
Unit:2	Fashion Products and the Consumer						12hours		
Marketing fashion products importance and classification of products; the product mix and range planning; the fashion product life cycle; Fashion Consumer Role of consumer behavior in marketing, types of consumer decisions, the decision process, factors that influence decisions- consumer attitudes, consumer motivation, Consumer personality, opinion leadership, family and social status									
Unit:3	Marketing Communication, Research and Forecasting						12hours		
Fashion marketing communications – traditional approach and integrated approach Fashion marketing research–purpose and significance, stages in their search process Fashion forecasting– meaning and importance, basics of predicting trends–colour, theme, shape, key events, Target market; trend forecasting process									
Unit:4	Types of Merchandisers						12hours		
Merchandiser – essential qualities of a merchandiser; types and functions of merchandisers – fashion merchandiser, visual merchandiser, export merchandiser and retail merchandiser; Visual Merchandising– Elements of Visual Merchandising– Needs– Psychology– Types of Display; Elements of display.									

Unit:5	STOREMANAGEMENTINMERCHANDISING	12hours
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Store Management in Merchandising- Introduction, Objectives, Types of Stores, Location of a Store, Store Layout, Types of Store Layouts, Store Space Allocation.
 Store Design-
 Introduction, Concept of Store Design, Exterior of a store, Interior of a store, Merchandise Presentation-
 Tools and techniques

Total Lecture hours	60 hours
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Text Books

1	Fashion Marketing, Mike Easey, Wiley-Blackwell Publishing, 2009.
2	Fashion Merchandising and Merchandising, Mary G. Wolfe, The Good heart- Will cox Co., Inc, Illinois, 2014.
3	Fashion-From concept to consumer-Gini Stephens Frings, Prentice Hall (1999).
4	Fashion Marketing Management, V. Ramesh and A. Arunraj Babu, Woodhead Publishing India, 2019

Reference Books

1	Marketing, Philip Kotler, Gary Armstrong, Veronica Wong, John Saunders, Pearson Education, India, 2008
2	Fashion- from Concept to Consumer, 9th Edition, Gini Stephens Frings, Pearson Education Ltd, Harlow, 2014
3	Fashion Marketing, Janet Bogdanovic and Liz Clamp, Routledge, 1994

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

1	https://www.iknockfashion.com/need-of-trend-forecasting/
2	http://www.createafashionbrand.com/the-5-basics-of-trend-prediction/
3	https://www.fibre2fashion.com/industry-article/7054/decoding-the-process-of-trend-forecasting-in-fashion
4	https://textilelearner.blogspot.com/2013/10/role-of-merchandiser-in-apparel-industry.html
5	https://clothingindustry.blogspot.com/2017/12/merchandiser-merchandising-garment.html
6	https://blog.hubspot.com/marketing/what-is-digital-marketing

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

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

Course code	23BFC4SP	COMPUTER AIDED DESIGN		L	T	P	C
Skill Enhancement Course - VII		PRACTICAL		-	-	2	2
Pre-requisite	Basic knowledge on computers						
Course Objectives:							
The main objectives of this course are to:							
<ol style="list-style-type: none"> 1. Enable the students to design garment designs using computers. 2. Try various colour combinations and textural effects. 3. Create and manipulate fashion figures for various garment designs. 							
Expected Course Outcomes:							
On the successful completion of the course, student will be able to:							
CO1	Understand and practice the tools and techniques of the CAD					K2	
CO2	Apply the skills in area of garment designing					K3	
CO3	Develop various colours and textures in computers					K6	
CO4	Create garment designs for child, man and woman with CAD					K6	
CO5	Create Jewellery designs using CAD					K6	
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create							
1.Creating Small Designs/Motifs						9hours	
<ul style="list-style-type: none"> • Designs for Hand kerchief • Neckline Designs • Embroidery Designs • Chest Prints for T-shirts 							
2.Create anyone Children garment design from the following list						7hours	
<ul style="list-style-type: none"> • Jabla and Knicker • Baba Suit • Frock 							
3.Create any one Women garment design from the following list						7hours	
<ul style="list-style-type: none"> • Gown/Maxi • Salwar Kameez • Midi and Tops • Lehngas 							
4.Create any one Men garment design from the following list						7hours	
<ul style="list-style-type: none"> • S B Vest • T-Shirt with Burmuda • Shirt and Pant • Kurta Pyjama 							
Total Lecture hours						30hours	
Text Books							
1	Fashion Design Drawing & Presentation, Ireland Patrick John, BT Batsford Ltd, 2006.						
2	Fashion Design Illustration: Children, Ireland Patrick John, BT Batsford Ltd, 2003.						
Reference Books							
1	Fashion Sketch Book, Bina Abling, Fair Child Publication, New York, 2006.						

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://www.youtube.com/watch?v=iX7O4fNQijA
2	https://www.youtube.com/watch?v=8pmgi7q3Gbo
3	https://www.youtube.com/watch?v=x8BsIME4gi4

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

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

Course code	23BFC5C1	COSTUMES AND TEXTILES OF INDIA	L	T	P	C
Core IX			5	-	-	4
Pre-requisite		Basic knowledge on costumes and Indian states				
Course Objectives:						
The main objectives of this course are to:						
1. Impart knowledge and understanding of the diverse and valuable traditional Indian textiles.						
2. Appreciate the various styles of traditional Indian costumes.						
3. Value the beauty and intricacy of the Indian Jewelleries and embroideries.						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Discover the beginning and origin of costumes					K2
CO2	Recognize the dyed and printed textiles of India					K1
CO3	Compare and contrast the various costumes of India					K4
CO4	Appraise the jewelleries of India					K5
CO5	Value the traditional embroideries of India					K3
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
Unit:1	Origin and Growth of Costume					15hours
Beginning and growth of Costume- Painting, Cutting and Tattooing. Ancient costumes– Indusvalleycivilization, Vedicperiod, Mauryaperiod, Mughalperiod. CostumesofIndia- Pre and post independence era						
Unit:2	Dyed and Printed Textiles of India					15hours
Study of dyed and printed textiles of India –Bhandhani, Patola ,ikkat, kalamkari- in all the above types and techniques used. Study of woven textiles of India – Dacca Muslin, Banarasi/Chanderibrocades, Baluchar, Himrusand Amrus, Kashmirshawls, Pochampalli, silksareesof Kancheepuram.						
Unit:3	Traditional Costumes of India					15hours
Traditional Costume of different States of India- TamilNadu, Kerala, AndhraPradesh, Karnataka, Assam, Orissa, WestBengal, Maharashtra, Rajasthan, Utt ar Pradesh, Jammu and Kashmir, Gujarat.						
Unit:4	Indian Jewellery					15hours
Indian Jewellery – Jewelleries used in the period of Indus valley civilization, Mauryan period, the Pallava and Chola Period, Symbolic Jewellery of South India, Mughal period. Temple Jewellery Of South India, Tribal jewellery						
Unit:5	Traditional Embroideries of India					15 hours
Traditional embroideries of India–Origin, Embroidery stitches used– embroidery of Kashmir ,Phulkari of Punjab, Gujarat– KutchandKathiawar, embroideryofRajasthan, KasutiofKarnataka, ChickenworkofLucknow, Kanthaof Bengal.						
Total Lecture hours						75 hours

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

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

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

Course code	23BFC5C2	GARMENT QUALITY AND COST CONTROL	L	T	P	C
Core X			5	-	-	4
Pre-requisite	Basic knowledge on garment and quality					
Course Objectives:						
The main objectives of this course are to:						
<ol style="list-style-type: none"> 1. To learn the concepts of garment quality control 2. To study the different quality management systems 3. To know about different quality process 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Define and establish quality standards				K2	
CO2	Describe functions of quality control				K1	
CO3	Analyze on garment cost and cost control				K4	
CO4	Appraise on different quality management systems				K4	
CO5	Evaluate the quality based on the parameters				K5	
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
Unit:1	Quality Control and its Standards				15hours	
Definition and Scope of Quality control – establishing merchandising standards- establishing raw material quality control specifications – quality control of raw material. Establishing Processing quality specification – Quality control inspection procedures for processing- Quality control of finished garments – Quality control for packaging, warehousing and shipping – Statistical Quality control- Sampling plans –Industry-wide quality standards.						
Unit:2	Functions of Production Control				15hours	
Function of production control– Production analysis– Quality specifications–quantitative specifications– Basic production systems– whole garment, departmental whole garment, sub assembly systems and progressive bundle systems, Principles for choosing a production system –Evaluating production systems						
Unit:3	Functions of Cost Control				15hours	
Functions of cost control, types of costs and expenses – Apparel manufacturing cost categories – sales cost control, purchasing cost control, production cost control, administration cost control –cost ration policies – the manufacturing budget –cash flow controls – standard cost sheet, break-even– charts.						
Unit:4	Quality Management				15 hours	
Quality – Evolution of Quality management – Quality function and quality planning – Basic concepts of Total Quality Management (TQM) – Principles of TQM – Quality Trilogy – FourpillarsofTQM–PDCACycle&PDSACycle–Kaizanconcept–5“SPhilosophy–Qualitycircles.						
Unit:5	Environmental Management System				15hours	
Environmental Management System(EMS)–Meaning & Definition–ElementsofEMS– BenefitsofEMS–EnvironmentalPolicies–ImplementationofISO14000– study on other management system: SA 8000, OHSAS18000 and WRAP.						

	Total Lecture hours	75 hours
Text Books		
1	Apparel Manufacturing Analysis, Solinger, Jacob, New York, Textiles books,1961.	
2	ManagingQualityInTheApparelIndustry,PradipVMehta,SathishKBhardwaj ,New Age International, 1998	
Reference Books		
1	Apparel manufacturing h and book, analysis Principles and Practice, Solinger, Jacob, Columbia media corp, 1988.	
2	Quality Control Hand book,J. M. Juran.,publicationsMcGraw-HillEducation,1988.	
3	Total Quality Management, BaskerS, Anu radha Publications, Kumbakonam, 2017.	
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		
1	https://textilelearner.blogspot.com/2011/08/quality-control-system-in-garments_2589.html	
2	https://www.fibre2fashion.com/industry-article/3055/quality-systems-for-garment-	
3	https://onlinegarmentsacademy.blogspot.com/2019/07/quality-control-of-apparel-industry.html	
4	https://www.sciencedirect.com/science/article/pii/B9781782422327000163	
5	https://www.textileschool.com/488/quality-control-in-garment-manufacturing/	

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

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

Course code	23BFC5C3	Textile Testing		L	T	P	C
Core XI				5	-	-	4
Pre-requisite	Basic knowledge on garment and quality						
Course Objectives:							
The main objectives of this course are to:							
1. To learn about fibre, yarn and fabric quality testing.							
2. Acquire better understanding importance of quality testing							
3. To learn the fibre testing methods of different fibre properties.							
4. To study the yarn and fabric properties.							
5. To understand the relationship of quality parameters with fabric end use							
Expected Course Outcomes:							
On the successful completion of the course, student will be able to:							
CO1	Learn the basic terms and definition of apparel testing and methods of evaluation.						K2
CO2	Understanding the various principles and methods are used for fibre, yarn, fabric testing.						K1
CO3	Learn about the testing parameters and machineries.						K4
CO4	About the properties of various materials						K4
CO5	Understanding the garment and accessory testing methods						K3
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create							
Unit:1	QUALITY CONTROL: DEFINITION AND ITS IMPORTANCE.						15hours
Humidity: Definition and its influence on fiber properties Standard atmospheric condition, Standard testing atmosphere. Standard regain, Moisture content and regain. Measurement of atmospheric condition – wet and dry bulb Hygrometer and sling Hygrometer							
Unit:2	FIBRE TESTING						15hours
Fiber Testing: Fiber length – Baer sorter and Fibro graph, Fiber strength – Stelometer, Fiber fineness – Micronaire, Fiber maturity, Trash content - determination – Trash analyzer.							
Unit:3	YARN TESTING						15hours
Yarn testing: Determination of yarn count – quadrant, Analytical & Beesley balance. Twist – Direction of twist and amount of twist, Strength of yarn-Single yarn strength tester. Crimp – Shirley crimp tester. Hairiness – Uster Hairiness tester.							
Unit:4	FABRIC TESTING						15 hours
Fabric Testing: Fabric strength tester – Tensile strength, tearing strength & bursting strength. Abrasion – Types of abrasion – pilling – Martindale pill box tester.							
Unit:5	FABRIC TESTING						15hours
Drape – Drape meter, Fabric stiffness - Shirley stiffness Tester, crease recovery – Shirley crease recovery tester. Thermal conductivity, water absorbency test, Water repellency tester.							

	Total Lecture hours	75 hours
Text Books		
1	Elliot B. Grover., Dame S. Hamby. (2016). <i>Handbook of Textile Testing and Quality Control</i> . New Delhi: Wiley India Edition.	
2	Kothari, V. K. (1999). <i>Testing and Quality Management (Vol.1)</i> . New Delhi: IAFL Publications.	
3	Angappan, P. & Gopalakrishnan, R. (2002). <i>Textile Testing</i> . Komarapalayam: SSM Institute of Textile Technology. Komarapalayam	
Reference Books		
1	Koushik, C.V. & Chandrasekaran, R. (2004). <i>Textile Testing</i> . New Delhi: NCUTE Publication. Marjorie	
2	A. Taylor. (1990). <i>Technology of Textile Properties</i> . London: Forbes publications Ltd.	
3	Booth, J.E. (2018). <i>Principles of Textile Testing</i> . New Delhi: CBS Publishers and Distributors Pvt. Ltd.	
4	Saville, B. P. (2002). <i>Physical Testing of Textiles</i> . Cambridge: Wood head Publishing Ltd.	
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]		
1	http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827	
2	https://www.textilesphere.com/2020/04/colour-fastness-in-textile-testing.html	
3	https://textilelearner.net/features-working-principle-of-crockmeter/	

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

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

Course code	23BFC5P1	TEXTILE TESTING PRACTICAL	L	T	P	C
Core – XII			-	-	5	4
Pre-requisite	Knowledge about quality Parameters of textile fiber, yarn and fabric					
Course Objectives:						
The main objectives of this course are to:						
1. Helps students to understand the fundamentals of textile testing.						
2. Understand and practice the various testing procedures from fiber to garments.						
3. Understand and practice to handle various textile testing equipment						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Understand to handle the different textile testing equipments and maintenances				K2	
CO2	Understand the domain Knowledge to operate the textile testing equipment				K3	
CO3	Evaluate the quality of fiber and yarn and record the findings				K5	
CO4	Evaluate the quality of fabric and record the findings				K5	
CO5	Evaluate the quality of garment and record the findings				K5	
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
Test the given sample for the following properties						75 hours
1. Determination of lea strength & CSP using lea strength tester.						
2. Analysis of Blend composition of given fabrics.						
3. Determination of thickness of fabric using fabric thickness gauge.						
4. Determination of CRA of fabric using crease recovery tester.						
5. Determination of Fabric Pilling Using ICI Pill Box						
6. Determination of Fabric Bursting Strength.						
7. Determination of color fastness of given sample to washing						
8. Determination of color fastness of given sample to rubbing by using crockmeter						
9. Determination of color fastness of given sample to perspiration by using perspirometer						
10. Determination of dimensional stability % of given fabric/garment to washing.						
Total Lecture hours					75 hours	
Text Book(s)						
1	General Principles of Testing, Bureau of Indian Standards, New look Publications, 2018.					
2	AATCC Textile Testing Materials Educational Resources, AATCC Publications, Atlanta, 2019.					
3	Principles of Textile Testing , J.E. Booth, CBS Publishers & Distributors Pvt Ltd, 2018.					
Reference Books						
1	Testing and Quality Management, V.K, Kothari, IAFL Publications, 1999					
2	Textiles-Yarns, Fabrics, and General Test Methods (Annual book of ASTM Standards volume 0701), ASTM Intl, 1999.					
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]						
1	http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=827					
2	https://www.textilesphere.com/2020/04/colour-fastness-in-textile-testing.html					

3

<https://textilelearner.net/features-working-principle-of-crockmeter/>

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

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

Coursecode	23BFC5E1	APPAREL BRAND MANAGEMENT	L	T	P	C
Discipline Specific Elective -I			4	-	-	3
Pre-requisite	Basic knowledge in apparel business process					
Course Objectives:						
The main objectives of this course are to:						
1. Get familiarize the students with the concepts and strategies involved in Branding for effective Brand Building.						
2. Identify the variables that drive the success of Brands.						
3. Develop and implement winning Brand Strategies in an array of competitive contexts.						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Understand concepts and strategies involved in Branding for effective Brand Building.				K2	
CO2	Learn about the brand positioning strategies				K3	
CO3	List out the various Brand appraisal methods				K3	
CO4	Learn develop and implement winning Brand Strategies in an array of competitive contexts				K2	
CO5	Learn about the variables that drives the success of Brands				K3	
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
Unit:1	Significance of Branding				12hours	
Brand–Definition,Evolution,functions,brandsignificance;branding–types and strategies internationalapparelbrands-identificationofperspectivesandchallengestobuildbrand-Indian garment brands and prospects of Indian brands						
Unit:2	Brand Positioning				12hours	
Importance of Branding Positioning–Basic branding concepts Brand Image, Brand Identity, Brand Equity and Brand Personality- Meaning and Definition, Types, Elements; Brand Ambassadors- Celebrity Branding; Brand Loyalty; Product Vs Corporate Branding: Major Branding decisions. Positioning strategies of international garment retailers						
Unit:3	Brand Appraisal				12hours	
Brand appraisal– Definition and methods- exploration,market,customer,competitionanalysis,reasoningofbrandsimportanceandmethodsinvolved-laddering,emotionalandrational,Brandmapping–circle,prismandtriangle						
Unit:4	Brand Repositioning				12hours	
Brand Identity and Extension: Brand identity and articulation – name, colour, design, logo and symbols, brand service advertising and cross-cultural influence; brand extension – need and types;AdvantagesandDisadvantages;labellingandlicensingofapparelprouducts– types,licenseagreement,andinternationalpropertyrights;needfordevelopingbrandnamesandlabelsfor apparel manufactured and exported from India						
Unit:5	Brand Measurement				12hours	
Brandmeasurement-definition,needandmethods–audit,track,brandovertime–managing						

brandimage-need,conceptsofmanagement,forcesaffectingbrandandmaintenanceofbrand,Studyon brands and brand management of Indian Garment	
	Total Lecture hours
	60 hours
Text Books	
1	BrandManagement:TextsandCases,Niraj.Kumar,HimalayaPublishingHouse,2015
Reference Books	
1	Brand Management, Harsh VVerma,Excelbooks,2010
2	Brand ManagementTextandCases,MathurU.C.,MacmillanIndiaLtd.2006
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://www.tutorialspoint.com/brand_management
2	https://www.managementstudyguide.com/brand-management.htm

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

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

Course code	23BFC5EP	FASHION PHOTOGRAPHY PRACTICAL	L	T	P	C
Discipline Specific Elective -II			-	-	4	3
Pre-requisite	Basic knowledge on garment presentation					
Course Objectives:						
The main objectives of this course are to:						
1. Understand the concepts of photography and editing process.						
2. Give ideas on developing a photo and enable photography techniques in various fields.						
3. Enable students to know about image editing with special effects.						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Remember general principles of photography				K1	
CO2	Understand the lighting techniques for indoor or outdoor photography				K2	
CO3	Apply the techniques in the field of modelling, magazine, fashion shows etc...				K3	
CO4	Evaluate the right image selection for the purpose of photography				K4	
CO5	Create images with the help of computer applications				K6	
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
Photography:					20 hours	
1. Product Photography						
2. Modelling Photography						
3. Indoor and Outdoor Photography						
Special effects:					20 hours	
1. Black and White Image						
2. Gray Scale Image						
3. Mono Colour Image						
4. Negative Image						
5. Cut Colour Image						
Image editing:					20 hours	
1. Collage work						
2. Creative image editing						
3. Creative layout						
Total Lecture hours					60 hours	
Text Books						
1	Basic Industrial Arts, Plastics, Graphics Arts, W.R. Miller, Power Mechanics, McKnight & McKnight Publishing Company, US, 1978.					
2	Photography, Illinois, Mc Knight Publishing Company, US, 1978.					
Reference Books						
1	Photography Course, John Hedge, John Hedge Co, UK, 1992.					
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]						
1	https://shutterstock.com/photoshop-tutorial-fashion-photography#:~:text=A%20simple%20beauty%20edit%20is,can%20easily%20make%20it%20darker.					
2	https://enviragallery.com/editing-fashion-photography-for-beginners/					

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

Course code	23BFC6C1	THE BUSINESS OF FASHION	L	T	P	C
Core XIII			6	-	-	4
Pre-requisite		Knowledge about fashion				
Course Objectives:						
The main objectives of this course are to:						
1. Gain a better understanding of a fashion designer at the national and international level						
2. Impart knowledge on new product development, sales promotion, retailing and pricing						
3. Move towards a sustainable fashion						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Describe the factors influencing fashion changes					K3
CO2	Weigh the contributions of the fashion designers nationally and internationally					K5
CO3	Understand the steps involved in new product development and sales promotion					K2
CO4	Analyze the scope and functions of retailing and pricing					K4
CO5	Evaluate the environmental pollution created by fashion products and move towards sustainable fashion					K5
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
Unit:1	World of Fashion-An Overview					18hours
Factors influencing fashion changes – Accelerating and Decelerating factors Understanding Fashion designer – types – classicist, idealist, influenced, realist, thinking poet. Minimalists, Village India, Studio line. World Fashion Centers – Milan, Paris, London and New York						
Unit:2	Legendary Fashion Designers					18hours
Study of International Fashion Designers of the World – Yves Saint Laurent, Valentino, Pierre Cardin, Ralph Lauren, Karl Lager field, Donna Karen, Giorgio Armani, Coco Chanel, Calvin Klien, Christian Dior. An overview of Indian Fashion Designers – Manish Malhotra, Manish Arora, Ritu Beri, Tarun Tahiliani, Rohit Bal, Wendell Rodricks, JJ Valaya.						
Unit:3	Fashion Products and Promotion					18 hours
The fashion industry and new product development; product mix and range planning. Fashion and Seasons. Fashion Promotion – Fashion Communication; Fashion Advertising and Publicity; Personal Selling – importance and steps involved; Fashion Shows – types and steps involved in organizing a show; Sales promotion methods/strategies						
Unit:4	Fashion Retailing					18hours
Fashion Retailing – Scope and functions, Types of Stores, Challenges for fashion retail in India, E-retailing – growth and development, Major players of fashion goods online. Pricing policies and strategies for apparel products, Functions and factors Influencing pricing, pricing strategies for new products, methods of setting prices						
Unit:5	Sustainable Fashion					18hours
Sustainable Fashion – meaning and significance; Environmental concerns related to fashion; Linear fashion						

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

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

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

Course code	23BFC6D	Dissertation	L	T	P	C
Core CC-XIV			12	-	-	8
Pre-requisite	Basic knowledge in industry					
Course Objectives:						
<p>The main objectives of this internship are:</p> <ul style="list-style-type: none"> ➤ To define the industry process ➤ To compare the all department process ➤ To schedule the project procedure ➤ Experiment the project ➤ To developed the project and conclude it 						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	➤ Identify the relevant objects of an application domain.					K2
CO2	➤ Classify and design the application.					K5
CO3	➤ Implement their own innovative ideas.					K2
CO4	➤ Encourage students to experiment articles based on the research.					K6
CO5	Equipped to prepare project documentation.					K1
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
<p>The student has to attach himself / herself with an organization related to his / her specialization Approved by the Department for a period of 2 weeks for Industrial Internship Training with Project. One personnel of that industry and a faculty of the Department will be external and internal guides of the project respectively. The project theme, work flow and other related guidelines can be had from the Industry. The development of the project may be done in the Department by utilizing 12 lab hours per week and the monitoring of the progress and project evaluation for 50 marks can be collectively done by both internal and external guides. At the end of the internship, the student should prepare a project documentation report (not less than 50 pages, A4 size). Student should also produce a certificate of internship from the organization. The final project viva-voce for 50 marks should be conducted by the Department with two examiners and the cumulative 100 marks will be given by the Department.</p>						

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

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

Course code	23BFC6E1	TECHNICAL TEXTILES		L	T	P	C
				5	-	-	3
Discipline Specific Elective -III		Basic knowledge about Business					
Course Objectives:							
The main objectives of this course are to:							
<ol style="list-style-type: none"> 1. Acquire knowledge in technical textile. 2. Develop an understanding of fiber in technical textile. 3. Become familiar with various usage of technical textile. 							
Expected Course Outcomes:							
On the successful completion of the course, student will be able to:							
CO1	Understand the characteristics of technical textiles its types						K2
CO2	Discover the properties of Technical textiles and its types						K3
CO3	Interpret the area of applications of types of technical textiles						K3
CO4	Recognize the underlying concepts						K1
CO5	Apply the concepts in creation of garments						K3
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create							
Unit:1	Introduction to Technical Textiles					15 hours	
Introduction to Technical textiles, definition and scope of technical textiles, developments in fibres- Natural fibres, polyamide, polyester, viscose rayon, polyolefin, high performance fibres and glass and ceramics, Application of technical textiles.							
Unit:2	Functional Apparels and Medical Textiles					15 hours	
Functional apparels: Design and engineering of functional clothing, requirements smart characteristics: structural, aesthetic, functional, comfort and fit for clothing. Medical textile: Materials used and classification. Requirements and application. Textiles for Health care and Hygiene products.							
Unit:3	Protective Wear					15 hours	
Selection of materials, requirements and functions of flamer resistant, chemical, mechanical, Electrical and radiation protective clothing.							
Unit:4	Sports Wear					15 hours	
Sportswear requirements- functional fibers, yarns and fabrics suitable for sports wear- Sweat management for sports application. Footwear Clothing: Fabric requirements, finishing adapt ability.							
Unit:5	Smart and Intelligent Textiles					15 hours	
Smart fibers: Nano fibers, Photo adaptive fibers, Chameleon fibers, Conductive fibers – properties and applications in textiles and apparels. Phase change materials: properties and applications. Shape memory polymers and properties. Stimuli sensitive intelligent textiles.							
						Total Lecture hours	75 hours
Text Books							
1	Handbook of Technical Textiles, A.R Horrock, S.C Anand, Wood head Publishing, 2000.						
2	Handbook of Industrial Textiles, S. Adanur, Technomic Publication, 2001.						

3	Textiles for Sports wear, Roshan Shishoo, Woodhead Publishing,2015.
Reference Books	
1	Design and manufacture of Textile Composites, M.C Kanna, Hearle O Hear, Textile process, Textile Institute, Manchester, 2004.
2	Handbook of Medical Textiles, VBartels, WoodheadPublishing,2011.
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]	
1	https://nptel.ac.in/courses/116/102/116102057/
2	https://www.classcentral.com/course/swayam-testing-of-functional-and-technical-textiles-13051

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

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

Course code	23BFC6EP	DESIGN PROCESS AND PRODUCT DEVELOPMENT PRACTICAL	L	T	P	C
Discipline Specific Elective -IV			-	-	5	3
Pre-requisite	Basic knowledge on garment presentation					
Course Objectives:						
The main objectives of this course are to:						
4. Understand the designing process.						
5. Give ideas on developing a product.						
6. Enable students to know sequence of steps involves in product developmet.						
Expected Course Outcomes:						
On the successful completion of the course, student will be able to:						
CO1	Remember general principles of design				K1	
CO2	Understand the design process				K2	
CO3	Apply the techniques garment designing in product development				K3	
CO4	Evaluate the garment outfit.				K4	
CO5	Create ready to wear and haute couture outfits				K6	
K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create						
Prepare ready to wear outfit and haute couture					45 hours	
Instructions						
<ul style="list-style-type: none"> The students should prepare Two ready to wear outfits and one haute couture outfit based on chosen theme for Kids, Men and Women’s wear It is mandatory for students to prepare product development record for their examination. The product and record will be evaluated by a Team of Internal & External Experts. This will be followed by the Viva-Voce. 						
					Total Lecture hours	
					45 hours	
Text Books						
1	Fashion Design and Product development, Harold Carr, John Pomeroy, Blackwell Publication,199 2.					
2	Portfolio design+ Presentation, Anna Kiper, Batas ford publications, 2014.					
3	Portfolio presentation for fashion designers, Linda Tain, Fair child Publishers,2010.					
Reference Books						
1	Portfolio Management, S. Kevin, Prentice hall of India, PHI publications, 2006.					
2	Design with Color: The design guide to over 1000 color combination, Alles, Jeanne, Chronicle Book s, 1992.					
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]						
1	https://youtu.be/HEsmu45SKv4					
2	https://youtu.be/buERDxIBn8w					

Cos	PO1	PO2	PO3	PO4	PO5	PO6
CO1	M	S	S	S	M	M
CO2	S	S	S	S	M	M

CO3	M	S	S	S	S	S
CO4	S	S	S	S	M	M
CO5	S	S	S	S	M	M

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

Title of the Course		ESSENTIAL REASONING AND QUANTITATIVE APTITUDE					
Paper Number		Professional Competency Skill					
Category	PCS	Year	III	Credits	2	Course Code	23BFC6S 1
		Semester	VI				
Instructional Hours per week		Lecture	Tutorial	Lab Practice	Total		
		1	1	-	2		
Objectives of the Course		<ul style="list-style-type: none"> • Develop Problem solving skills for competitive examinations • Understand the concepts of averages , simple interest , compound interest 					
UNIT-I:		Quantitative Aptitude: Simplifications=averages-Concepts –problem-Problems on numbers-Short cuts- concepts –Problems					
UNIT-II:		Profit and Loss –short cuts-Concepts –Problems –Time and work - Short –uts -Concepts -Problems.					
UNIT-III:		Simple interest –compound interest- Concepts- Prolems					
UNIT-IV:		Verbal Reasoning : Analogy- coding and decoding –Directions and distance –Blood Relation					
UNIT-V:		Analytical Reasoning : Data sufficiency Non-Verbal Reasoning : Analogy ,Classification and series					
Skills acquired from this course		Studnets relating the concepts of compound interest and simple interest					
Recommended Text		1."Quantitative Aptitude" by R.S aggarwal ,S.Chand & Company Ltd 2007					
Website and e-Learning Source		https://nptel.ac.in					