



PERIYAR UNIVERSITY

**Periyar Palkalainagar
Salem – 636 011**



Department of Textiles and Apparel Design

Professional Studies
B.Voc. Programme
(Choice Based Credit System)

REGULATIONS AND SYLLABUS

**The Tamil Nadu State Council for Higher Education
(TANSCHE) Scheme**

**Effective from
Academic year 2023 – 2024 and thereafter**

B.VOC PROGRAMME CURRICULUM FRAMEWORK

CERTIFICATE: TEXTILE BASICS & INDUSTRIAL SEWING TECHNIQUES							DURATION: 01 Year			
Part	Subject Code	Semester I	Credit	Hours			Marks			
				L	T	P	CIA	EA	Total	
	General Education Component									
I	23UPTAD2T01	Language Professional Tamil I	3 (G)	1	2	-	25	75	100	
II	23UPTAD2P01	English Professional English I	3 (G)	1	2	-	40	60	100	
III	23UPTAD2C01	Core Course – Theory Basics of Textiles	4 (G)	2	2	-	25	75	100	
	23UPTAD2E01	Discipline Specific Elective Course Fibre to Fabric Practical	2 (G)	-	-	4	40	60	100	
			12(G)	14						
	Skill Component									
	23UPTAD2C02	Core Course – (Theory + Practical) Fashion Designing	5 (S)	2	3	-	25	75	100	
	23UPTAD2L01	Core Course – Practical Portfolio - Basic Seams and Apparel Manufacturing Techniques	4 (S)	3	-	2	40	60	100	
	23UPTAD2M01	Minor Project and Viva-voce	2 (S)	1	-	2	40	60	100	
IV	23UPTAD2I01	Skill Enhancement Course Internship/Field Training/Work Based Learning Assessment (10 – 15 days)	4 (S)	# 21 Hours/Week			40	60	100	
	23UPTAD2S01	Skill Enhancement (Foundation Course) Basic Hand Embroidery	3 (S)	-	3	-	40	60	100	
			18 (S)	16						
		Total	30	30			900			

Note

After completing the Internship, Internship Assessment will be conducted in the beginning of the upcoming semester

CERTIFICATE: TEXTILE BASICS & INDUSTRIAL SEWING TECHNIQUES							DURATION: 01 Year		
Part	Subject Code	Semester II	Credit	Hours			Marks		
				L	T	P	CIA	EA	Total
	General Education Component								
I	23UPTAD2T02	Language Professional Tamil II	3 (G)	1	2	-	25	75	100
II	23UPTAD2P02	English Professional English II	3 (G)	1	2	-	40	60	100
III	23UPTAD2E02	Generic Elective Course Industrial Garment Machineries and Equipments	4 (G)	2	2	-	25	75	100
	23UPTAD2S02	Skill Enhancement Course Basic Draping Practical	2 (G)	-	2	-	40	60	100
			12(G)	12					
	Skill Component								
	23UPTAD2L02	Core Course – Practical Drafting and Computerized Pattern Making Practical	4 (S)	2	-	4	40	60	100
	23UPTAD2Q01	Qualification Pack – I (Level 4) Specialized Sewing Machine Operator (AMH_Q2301_v2.0)	6 (S)	2	3	2	*100		
	23UPTAD2M02	Minor Project and Viva-voce	2 (S)	1	-	2	40	60	100
IV	23UPTAD2I02	Skill Enhancement Course Internship/Field Training/Work Based Learning Assessment (25 – 30 days)	4 (S)	# 21 Hours/Week			40	60	100
	23UPTAD2S03	Skill Enhancement Course Portfolio - Training on Quality in Apparel Production	2(S)	-	2	-	40	60	100
			18(S)	18					
		Total	30	30			900		

Note
* Assessment by Apparel Made ups & Home Furnishing Sector Skill Council, Assessment will be conducted in the beginning of the upcoming semester.
After completing the Internship, Internship Assessment will be conducted in the beginning of the upcoming semester

முதல் பருவம்
மொழிப்பாடம்

தமிழ் தொழிற்கல்வி I

பாடக் குறியீட்டெண்: 23UPTAD2T01

Marks: 100 Marks (Internal-25; External-75)

L:T:P – 1:2:0

Course Duration : 45 Hours

Credit: 03

Course Description:

இப்பாடநெறி மாணவர்களுக்கு தமிழ் மொழியைப் பிழையின்றி பேச, எழுத, உச்சரிக்க கற்றுக்கொள்வதோடு, படைப்பாக்கத் திறனை உருவாக்கவும் வரலாற்றை மெய்ப்பிக்கும் ஆவணங்களின் அறிவைப் பெருக்கவும் உதவுகிறது.

Course Learning Outcomes (CLOs)

இப்பாட நெறி முடிவறும் போது மாணவர்கள்

S. No	Outcomes	Domains of Learning
CLO1	தமிழ் எழுத்தின் தொன்மை குறித்து ஆய்தல்	Cognitive
CLO2	பேச்சுக்கலையின் தனித்தன்மையை மாணவர்களுக்கு உணரச்செய்தல் மற்றும் சமூகத்தில் சிறந்த பேச்சாளராக உருவாக்குதல்	
CLO3	தமிழ் மொழியில் வாசிக்கவும், சரளமாக தமிழில் உரையாடவும் சொற்றொடர்களைக் கற்பித்துத் திறன் உள்ளவர்களாக்குதல்	
CLO4	வணிகக்கடிதங்கள், பொதுஅமைப்பு மற்றும் படிவங்கள், பதிவேடுகளை உருவாக்குதல், பராமரித்தல் ஆகியவற்றைக் கற்றுக்கொள்ளுதல்	
CLO5	வரலாற்றை மெய்ப்பிக்கும் ஆவணங்களின் அறிவைப் பெறுதல்	

Course Outcomes (COs)	Programme Specific Outcomes (PSOs)										
	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10	PSO11
CO1				H	L	H	H	M	H	L	
CO2				H	L	H	H	M	H	L	
CO3			L	H	H		H	L	H	L	M
CO4				H			H		M	L	M
CO5		L	L	H	M	M	H	L	H		M

Unit	Unit Title	Learning Chapters
I	எழுத்துத்திறன்	எழுத்து - எழுத்தின் தோற்றம்- ஒவிய எழுத்து முறை (PICTOGRAPHY) - படியெடுத்து சமர்ப்பித்தல்-அசை எழுத்து முறை (SYLLABIC WRITING) - ஒலியன் எழுத்து முறை (PHONETIC WRITING) படியெடுத்து சமர்ப்பித்தல்- தமிழ் எழுத்து வடிவங்கள்- வட்டெழுத்து- தொல்காப்பியத்தில் விளக்கப்படும் எழுத்து வடிவம்- எழுத்து பயிற்சி முறைகள் - வரியொற்றி எழுதுதல், பார்த்து எழுதுதல், அச்சிட்ட பயிற்சிப் புத்தகங்களில் எழுதுதல், சொல்வதை எழுதுதல்- எல்லா ஒலி நிறுத்தக் குறியீடுகளையும் சொல்லக் கேட்டு எழுதுதல்- சரியான வடிவமைப்புடன் இடைவெளியிட்டு எழுதுதல்

II	உச்சரிப்புத்திறன்	தமிழ் ஒலியியல்- ஒலியுறுப்புகள்- உயிரொலிகள்- மெய்யொலிகள்- ஒலிப்பு வேறுபாடுகள்- உயிர் ஒலிகளுக்கான வரைபடம்- தமிழில் கூட்டொலிகள்- கிளைமொழி - கிளைமொழிகளின் பாகுபாடு- நா நெகிழ் பயிற்சி, நா பிறழ் பயிற்சி, சொல்லிணைப் பயிற்சி, ஒலி பிறப்பியல் அடியொற்றிப் பயிற்சி.
III	வாசிப்புத்திறன்	பேச்சு திறனை வளர்த்தல் - கலந்தாய்தல், உரையாடல், சொற்போர், கருத்தரங்கு, குழு அளவு, சிந்தனை மேடை, பட்டிமன்றம், வழக்காடு மன்றம், வினாடி மன்றம், மன்ற மாதிரி அமைப்பு மன்றங்கள் - மொழி சோதனையின் கோட்பாடுகள் மற்றும் முறைகள் - மொழி சோதனையின் கருத்துகள் - வாசித்தல், வாசிப்புப் பயிற்சி- இலக்கியங்களின் பாடல்களை வாசிக்க செய்தல், அவற்றிற்கான பொருளை கற்பித்தல்- கேள்விக்கு பதிலளித்தல், தலைப்புகள் கொடுத்து பேச்சுசெய்தல் - தலைப்புகள் கொடுத்து பேச்சுசெய்தல் - செய்தித்தாள் வாசித்தல், மக்களுடன் உரையாடல் பயிற்சியளித்தல்
IV	படைப்புத்திறன்	உடை சார்ந்த வணிகவியல் கலைச்சொற்கள் பயன்பாடு - உடை சார்ந்த வணிகக் கட்டுரை எழுதுதல், வணிக நிறுவனம் குறித்த ஆய்வறிக்கை - உடை சார்ந்த வணிகம்சார் நிகழ்வு .∴ செய்திகளைத் திறனாய்வு செய்தல்,- படிவங்கள் உருவாக்குதல்- தகவல் தொடர்புப் பதிவேடுகளை உருவாக்குதல், பராமரித்தல்- பண்டைத் தமிழர்களின் வணிக மேலாண்மை அறிவியல் கலைச்சொற்கள் - அன்றாட வாழ்வில் அறிவியல் பழமொழிகளைத் தொகுத்தல் தமிழர் அறிவியல் கண்காட்சி நடத்துதல்
V	செயல்திறன் (களஆய்வு)	நடுகல் - நடுகல் எடுக்கும் முறை, நடுகற்கள் காணப்படும் இடங்கள், நடுகற்களின் உருவ அமைதி, நடுகற்களும் மக்கள் நம்பிக்கையும்)- கல்வெட்டு - (திருவாதவூர், சித்தன்னவாசல், அழகர் மலை, ஆனைமலை, திருப்பரங்குன்றம், அரசச்சலூர் ஆகிய இடங்களின் கல்வெட்டுகளும் விளக்கங்களும்) - சிற்பம் - (சிற்பங்களின் வகைகள், தமிழ்நாட்டுச் சிற்பங்கள், பல்லவர்கால சிற்பங்கள், பாண்டியர், சோழர் சிற்பங்கள்)- ஓவியம் - ஓவிய கலைச்சொற்கள், தமிழ்நாட்டு ஓவியங்கள் (திருவீழிமிழலை, காஞ்சிபுரம், திருவண்ணாமலை, திருவரங்கம், சிதம்பரம், தஞ்சாவூர், கும்பகோணம், மதுரை, புதுகோட்டை)- பாண்டியர், பல்லவர், சோழர், விஜயநகர கால நாயக்கர் ஓவியங்கள் - கட்டிடக்கலை - தோற்றம், மரபு, கோயில்கள், அரண்மனைகள் அதன் வாயிலாக கிடைக்கும் செய்தி மற்றும் விவரங்களை ஆவணப்படுத்துதல்)

பார்வை நூல்கள்

1. டாக்டர் ம. திருமலை, ஜூன் - 2015, பேச்சுக்கலை, மீனாட்சிபுத்தகநிலையம், மதுரை
2. ரா. சீனிவாசன், - 1960, மொழியியல், முதற்பதிப்பு, சைவ சித்தாந்த நூற்பதிப்பு, சென்னை.
3. பேராசிரியர் க. அன்பழகன், 2011, நீங்களும பேச்சாளர் ஆகலாம், பூம்புகார் பதிப்பகம், சென்னை
4. டேல் கார்னகி, 2012, மேடைப் பேச்சுக்கலை, கண்ணதாசன் பதிப்பகம், சென்னை
5. திரு. தி.மு.தெய்வசிகாமணி ஆச்சாரியார், 2011, மேடைத்தமிழ், தி.எ.ஐ.சன் & Co. சென்னை.
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8. நடன.காசிநாதன், க.தாமோதரன், ச.ஹரிகரன், தமிழ்நாடு அரசு தொல்பொருள் ஆய்வுத்துறை, வெளியீடு, 1980.

வலைதள ஆதாரங்கள்

9. <https://www.tamilvu.org>
10. <https://www.tamilvu.org/ta/library-libcontnt-273141>
11. <https://noolaham.org/>
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13. <https://tamilkatturai.com/>

SEMESTER – I
ENGLISH
PROFESSIONAL ENGLISH - I

Course Code: 23UPTAD2P01

Marks: 100 Marks (Internal-40; External-60)

L:T:P – 1:2:0

Course Duration : 45 Hours

Credit: 03

Course Description:

The course gives a practical knowledge on using English in their corporate life. It helps to understand basic language and vocabulary skills. It also helps to pen down their present ideas and thoughts in an impressive manner. It understands a situation and leads it with critical thinking.

Course Outcomes (COs)

By the End of the Course, Students will be able to

S. No	Outcomes	Domains of Learning
CO1	Grasp the actual meaning or context by listening.	Psychomotor
CO2	Read and comprehend the given text with proficiency	
CO3	Communicate effectively and fluently by overcoming the hurdles.	
CO4	Write given topics effortlessly	
CO5	Use vocabulary efficiently.	

Course Outcomes (COs)	Programme Specific Outcomes (PSOs)										
	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10	PSO11
CO1		H		H	L	H	M		H	L	M
CO2	M	M	L	H	M	L	H		L	L	H
CO3			L	H	H		H	L	H	L	M
CO4				H			H		M	L	M
CO5		L	L	H	M	M	H	L	H		M

Unit	Unit Title	Learning Chapters
I	Communication	a) Listening to the audio text and Listening to Instructions b) Pair work and small group work c) Comprehension passages- Differentiate between facts and opinion d) Developing a story e) Grammar: Nouns and its types
II	Description	a) Listening to process description. b) Role play c) Skimming/Scanning- Reading passages d) Process Description- Compare and contrast Paragraph- Sentence Definition and Extended definition e) Grammar: Verbs (linking verbs)
III	Negotiation Strategies	a) Listening to interviews b) Mind mapping c) Longer reading text d) Essay writing e) Grammar: Verbs (helping verbs and action verbs)
IV	Presentation Skills	a) Listening to Lectures b) Short talks c) Reading Comprehension passages

		d) Interpreting Visual Inputs e) Grammar: Adjectives
V	Critical Thinking Skills	a) Listening Comprehension b) Making presentations c) Note making and motivational article on Professional Competence, Professional Ethics and Life Skills d) Creative writing/ Summary writing e) Grammar: Adverbs

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TEXTBOOKS

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2. Lata, P. & S. Kumar, *Communication Skills*, OUP, New Delhi, India. 2011.

REFERENCE BOOKS

3. John Selly, *Oxford Guide to Speaking and Writing*, 2000
4. Neal, James M. and Suzanne S. Brown. *News Writing and Reporting*. Surjeet Publications. Delhi. 1997.
5. McCarthy, Michael, Felicity O' Dell, *English Idioms in Use*. CUP 2004 rpt
6. Agarwal N. K., (2014). *English Grammar and Composition*. New Delhi: Goyal Brothers Prakhasan.
7. Kokila S. Thangasamy, (2014). *Communicative English for College Students*. Gandhigram (T.N): Arichum Blooms.

JOURNALS AND DOCUMENTS

8. https://r.search.yahoo.com/_ylt=AwrKBxxC34Zkm8APw2S7HAX.; ylu=Y29sbwNzZzMEcG9zAzMEdnRpZAMEc2VjA3Ny/RV=2/RE=1686589378/RO=10/RU=https%3a%2f%2fwww.senguarts.co.in%2fuploads%2fMaterials%2fTANSCHCE_CommunicativeEnglish.pdf/RK=2/RS=g60e6voualUb4ImZhRIYeEZrNms-
9. https://r.search.yahoo.com/_ylt=Awr1SUxD8IZkaVAQrDq7HAX.; ylu=Y29sbwNzZzMEcG9zAzIEdnRpZAMEc2VjA3Ny/RV=2/RE=1686593731/RO=10/RU=https%3a%2f%2fwww.researchgate.net%2fpublication%2f342869636_Functional_English/RK=2/RS=D3f7twhwgoCzcUSKcXtxuZ6M1UI-

SEMESTER – I
CORE COURSE THEORY
BASICS OF TEXTILES

Course Code: 23UPTAD2C01

Marks: 100 Marks (Internal-25; External-75)

L:T:P – 2:2:0

Course Duration : 60 Hours

Credit: 04

Course Description:

This course is designed to provide a detailed overview of textile fibres, their processing and characteristics, spinning into yarns, forming various types of fabrics by weaving and other methods of fabric creation, fabric treatment with multiple types of process

Course Outcomes (COs)

By the End of the Course, Students will be able to,

S. No	Outcomes	Domains of Learning
CO1	Interpret the different kinds of textile fibers production, properties, testing and their applications.	Cognitive
CO2	Classify the process of yarn production, yarn numbering system, yarn quality parameters and the applications of fancy yarns.	
CO3	Distinguish the types of looms with its working principles and examine the woven fabric defects.	
CO4	Relate the knitting terms, their production methods, classification along with the fabric defect and remedies	
CO5	Infer about the various types of non-woven fabric production and its application in various fields.	

Course Outcomes (COs)	Programme Specific Outcomes (PSOs)										
	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10	PSO11
CO1	H	H	H	H	H	H	H	M	L	H	H
CO2	H	H	H	H	H	H	H	M	L	H	H
CO3	H	H	H	H	H	H	H	H	L	H	H
CO4	H	H	H	H	H	H	H	H	L	H	H
CO5	H	M	H	H	H	H	H	M	L	H	M

Unit	Unit Title	Learning Chapters
I	Textile Fibers	Definition, properties of textile fiber, classification of textile fiber, filament and staple fibers; cultivation, production and properties of cotton, flax, silk, wool, viscose, polyester and nylon fibers; identification of fibers – physical and chemical tests - application of various textile fibers.
II	Spinning	Introduction, raw material, ginning, Bale opening, Blow room process, carding, combing, drawing, roving, ring spinning, cone winding. Yarn numbering systems, yarn quality parameters, types of yarns and their uses.
III	Weaving	Weaving: Preparatory process - winding, warping sizing principles & Material passage. Role of important functional parts. Looms: classification, primary, secondary & auxiliary motions; passage of material in a plain power loom. Introduction to projectile, rapier and air jet weaving machines. Woven fabric defects causes & remedies.
IV	Knitting	Comparison of weaving and knitting. Terms and Definitions used in knitting. Types of knitting needles, gauge, sinker and cam settings for various knit

		fabrics. Basic weft and warp knitted structures. Comparison between warp knits and weft knits. Structure and properties of Plain, Rib, Purl, Interlock. Definition – overlap, under lap, closed lap and open lap in warp knitting. Knit Fabrics defects causes and remedies.
V	Nonwoven	Non-Woven – Definition, fibres used in non-woven process. Classification of non-woven. Web formation – Types; Bonding – Types; Spunbond, MeltBlown – Applications and End-uses in various fields.

READING LISTS AND RESOURCES

Compulsory

1. Textiles Basics by Sara J. Kadolph , 2012 & 2013
2. Textiles by Sara J. Kadolph, Sara B. Marcketti , 2017
3. Nonwoven Fabrics Raw Materials, Manufacture, Applications, Characteristics, Testing Processes by Hilmar Fuchs, Walter Kittelmann, 2006
4. Weaving and Knitting Technology books.google.co.in books Naik. S., Shailaja D. Naik, 2013
5. Nonwoven Fabrics Raw Materials, Manufacture, Applications, Characteristics, Testing Processes by Hilmar Fuchs, Walter Kittelmann, 2006
6. Nonwovens Process, Structure, Properties and Application, 2017

Highly Recommended, not Compulsory

7. Handbook of Textile Fibres Natural Fibres by J Gordon Cook, 1984
8. Industrial Applications of Natural Fibres Structure, Properties and Technical Applications, 2010
9. Natural Fiber Textile Composite Engineering by Magdi El Messiry, 2017
10. Handbook of Natural Fibres Volume 1: Types, Properties and Factors Affecting Breeding and Cultivation, 2020

Good for Students who have Future Interests

11. The Complete Technology Book on Textile Spinning, Weaving, Finishing and Printing By Niir Board, 2009
12. Secrets of Spinning, Weaving, and Knitting in the Peruvian Highlands by Nilda Callanaupa Alvarez, 2017
13. Handbook of Natural Fibres Volume 1: Types, Properties and Factors Affecting Breeding and Cultivation, 2011

SEMESTER – I
DISCIPLINE SPECIFIC ELECTIVE COURSE
FIBRE TO FABRIC PRACTICAL

Course Code: 23UPTAD2E01

Marks: 100 Marks (Internal-40; External-60)

L:T:P – 0:0:4

Course Duration : 60 Hours

Credit: 02

Course Description:

The course gives a practical knowledge on using English in their corporate life. It helps to understand basic language and vocabulary skills. It also helps to pen down their present ideas and thoughts in an impressive manner. It understands a situation and leads it with critical thinking.

Course Outcomes (COs)

By the End of the Course, Students will be able to

S. No	Outcomes	Domains of Learning
CO1	Identify the different textile fibres using diverse methods.	Psychomotor
CO2	Estimate the count and twist of the yarn samples.	
CO3	Calculate Ends Per Inch & Picks per inch and determine the woven fabric samples' weight, strength, and stiffness.	
CO4	Recognize Course per inch & Wales per inch and calculate fabric weight of the knitted fabrics.	

Course Outcomes (COs)	Programme Specific Outcomes (PSOs)										
	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10	PSO11
CO1	H	M	H	H	H	H	H	M	L	L	H
CO2	H	H	H	M	M	M	H	M	M	M	M
CO3	H	H	H	M	M	M	H	M	M	M	M
CO4	H	M	H	H	M	M	H	M	M	M	M

Unit	Unit Title	Learning Chapters
I	Fiber identification	Identify the textile fibers using Microscopic, Burning, & Chemical method: Cotton, Silk, Jute, Rayon
II	Yarn Count & Twist identification	Determine the yarn count and Twist: Wrap reel, Weighing balance method - Beesley's Balance, Twist tester.
III	Woven fabric identification	Analyse the Woven fabric swatches and furnish the following details: Ends Per Inch (EPI) & Picks per inch (PPI), GSM, Stiffness.
IV	Knitted fabric identification	Analyse the knit fabric swatches and furnish the following details: Course per inch (CPI) & Wales per inch (WPI), Loop Length, Grams per square meter (GSM), Defect Identification

Laboratory Equipments: Projection Microscope, Chemicals, Burning Test Kit, Pick Glass, Wrap Reel, Weighing Balance, Quadran Balance, Beesley Balance, Stiffness Tester, GSM Cutter, Scissors, Measuring Tools and Needle/Pins/Thread separator.

READING LISTS AND RESOURCES

Compulsory

1. Identification of Textile Fibers by M M Houck, Elsevier Science Woodhead publishing in textiles, 2009
2. Structure and Mechanics of Woven Fabrics by Jinlian Hu, 2004
2. Knitted Fabrics by John Chamberlain, James Henry Quilter, 1924
3. Corbmann B P , International students edition, Textiles – fibre to fabric, Mc Graw Hill book Co, Singapore, 1985
4. Watson's, Grosickli Z Newness, Butter worths, Advanced Textile Design London, 1989
5. Fabric Structure and Designby N. Gokarneshan, 2009
6. Woven Textile Structure Theory and Applications by B K Behera, P K Hari, 2010
7. Structural Textile Design Interlacing and Interlooping by Syed Talha Ali Hamdani, Khubab Shaker, 2017
8. Watson's Textile Design and Colourll , Vol.1, Grosicki Z. J., Woodhead Publications, Cambridge England, 2004.
9. Principles of Fabric Formation by Prabir Kumar Banerjee, 2014
10. Fundamentals and Advances in Knitting Technology by Sadhan C. Ray, 2012

Highly Recommended, not Compulsory

11. Woven Fabric Structure Design and Product Planning by J. Hayavadana, 2016
12. Woven Textiles Principles, Technologies and Applications, 2012
13. Woven Textile Design by Jan Shenton, 2014
14. Fundamentals and Advances in Knitting Technology by Sadhan C. Ray, 2012
15. Textiles Technology byJ ulie Messenger, Helen Wilson, 2003
16. Warp Knitted Fabrics Construction byYordan Kyosev, 2019
17. Knitting: Colour, structure and design AlisonEllen Crowood, 21-Dec-2013

Good for Students who have Future Interests

18. Woven Textiles Principles, Technologies and Applications, 2012
19. Handbook of Weaving by Sabit Adanur, 2019
20. Fabric structure and design by Gokarneshan, D.N. New Age International (P) Ltd, New Delhi (2009)
21. Knitting Fundamentals, Machines, Structures And Developments by N. Anbumani, 2007

SEMESTER – I
CORE COURSE THEORY & PRACTICAL
FASHION DESIGNING

Course Code: 23UPTAD2C02

Marks: 100 Marks (Internal-25; External-75)

L:T:P – 0:2:3

Course Duration : 75 Hours

Credit: 05

Course Description:

The course gives a practical knowledge on using English in their corporate life. It helps to understand basic language and vocabulary skills. It also helps to pen down their present ideas and thoughts in an impressive manner. It understands a situation and leads it with critical thinking.

Course Outcomes (COs)

By the End of the Course, Students will be able to

S. No	Outcomes	Domains of Learning
CO1	Infer the concept of fashion and the terms related to fashion and apparel industry	Cognitive
CO2	Summarize about elements of design and practice the application of structural and decorative designs.	
CO3	Utilize the principles of design and its application in a dress.	
CO4	Make use of the colour concepts in designing a garment.	
CO5	Predict the factors and figure irregularities that influencing design application in a garment.	

Course Outcomes (COs)	Programme Specific Outcomes (PSOs)										
	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10	PSO11
CO1		H		H	L	H	M		H	L	M
CO2	M	M	L	H	M	L	H		L	L	H
CO3			L	H	H		H	L	H	L	M
CO4				H			H		M	L	M
CO5		L	L	H	M	M	H	L	H		M

Unit	Unit Title	Learning Chapters
I	Fashion Industry terms	Design, Style, Fashion, Trend, Fad, Classic, Collection, Fashion cycle – recurring and interrupted, Forecasting, High-fashion, Toile, Mannequin, size, fit, Portfolio, Theme, Season, Fashion show, Knock off, Counterfeit, Chic, Custom-made/Be-spoke, Pret-a-porter, Avantgarde, Haute-couture, Fashion director, Fashion editor, Costume designer, Fashion Designer- role in styling and production of costumes.
		Core Skills: <ul style="list-style-type: none"> ➤ List out the garments under the category of classic, Fad, Trend at Present and high fashion. ➤ Create Fashion Cycle for any garment. ➤ Identify the National and International Fashion Designers for Apparel and Accessories.
II	Elements of design	Design – definition & types – structural and decorative design. Requirements of a good structural & decorative design. Elements of design: Line – horizontal, vertical, diagonal, curves, wavy, circular, semi-circular & zig-zag. Shape – 2D, 3D form, Colour, size – tall and short, and Texture – hand feel: rough and smooth, eye feel: light & dark. Applications of structural &

		decorative designs using elements of design.
		Core Skills: <ul style="list-style-type: none"> ➤ Create a fabric swatch using Decorative design ➤ Apply elements of design in various garments ➤ Create a design or logo using elements of design.
III	Principles of design	<p>Principles of design: Balance - symmetric/formal and asymmetric/informal, Rhythm – rhythm through repetition, rhythm through radiation and rhythm through gradation, Emphasis - convergence, isolation/separation, exception, subordination/ contrast, Harmony and Proportion - altered, hierarchical, out of proportion and standard proportion. Application of principles of design in a dress.</p> <p>Core Skills:</p> <ul style="list-style-type: none"> ➤ Reveal the various types of Balance in dress design ➤ Application of Rhythm, Emphasis, Harmony and Proportion application in dress design ➤ Collect different garment collection that are appropriate to the principles of Design
IV	Colour and its application	<p>Colour - definition, colour theories - Prang colour chart and Munsell colour system, Dimensions of colour and its application - hue, value, intensity, warm, cool and neutral colors. Psychological attributes of colours. Colour harmonies related colour harmonies – Achromatic, Monochromatic, Analogous colour harmonies. Colour harmonies contrast colour harmonies – Single Complementary, Double complementary, Split complementary, Clash, Triadic, Quadruple, Tetradic/ Double split colour harmonies.</p> <p>Core Skills:</p> <ul style="list-style-type: none"> ➤ Create a Prang color Wheel ➤ Propose the value chart of a colour ➤ Plan the intensity chart of a colour ➤ Application of colour harmonies in dress designing.
V	Design development for various Figure types	<p>Planning and design the suitable dress for various short/tall figure types and figure irregularities – thin figure, stout figure, slender figure, pear/triangle figure, hourglass figure, column/rectangular figure, trapezoid/quadrilateral figure, diamond figure, wedge/inverted triangle figure, overall roundness/oval/apple figure. Factors influencing design application for different age group, occasions and seasons. Wardrobe Planning - Design development for formal, casual, party and sports wears for men, women and kids based on the location.</p>
		<p>Core Skills:</p> <ul style="list-style-type: none"> ➤ Give styling ideas for different figure types. ➤ Develop a Dress designs for formal, casual, party and sports wears.

READING LISTS AND RESOURCES

Compulsory

1. Fashion Terminology, *Joane E. Blair*, Prentice Hall, 1992
2. Elements of Fashion and Apparel Design, *G. J. Sumathi*, New Age International, 2007
3. The Fashion Design Manual, *Macmillan Education AU*, 1996
4. The Fundamentals of Fashion Design By Richard Sorger, Jenny Udale · 2006
5. Contemporary Color: Theory and Use, *Steven Bleicher*, Cengage Learning, 2011
6. Colour Design: Theories and Applications Best, Elsevier, 2012

Highly Recommended, not Compulsory

7. Textiles and Fashion: Exploring Printed Textiles, Knitwear, Embroidery, Menswear and Women's wear, Jenny Udale, A&C Black, 2014
8. The Very Best Dress, *Erick Howard, Karan Kerry*, 2014 Crafts & Hobbies
9. Form, Fit, Fashion: All the Details Fashion Designers Need to Know But Can Never Find, *Jay Calderin*, Rockport Publishers, 2009

Good for Students who have Future Interests

10. Fashion Design: Process, Innovation and Practice, *Kathryn McKelvey, Munslow* John Wiley & Sons, 2011
11. Fashion Design: The Complete Guide, *John Hopkins*, A&C Black, 2012

SEMESTER – I
CORE COURSE PRACTICAL

PORTFOLIO – BASIC SEAMS AND APPAREL MANUFACTURING TECHNIQUES

Course Code: 23UPTAD2L01

Marks: 100 Marks (Internal-40; External-60)

L:T:P – 3:0:2

Course Duration : 75 Hours

Credit: 04

Course Description:

The course gives a practical knowledge on using English in their corporate life. It helps to understand basic language and vocabulary skills. It also helps to pen down their present ideas and thoughts in an impressive manner. It understands a situation and leads it with critical thinking.

Course Outcomes (COs)

By the End of the Course, Students will be able to

S. No	Outcomes	Domains of Learning
CO1	Integrate the basic hand sewing techniques to produce finished samples.	Psychomotor
CO2	Create samples by combining basic seams and seam Finishes	
CO3	Develop various component parts of the garments with help of Industrial sewing machineries.	
CO4	Combine different garment components and ensure its quality.	

Course Outcomes (COs)	Programme Specific Outcomes (PSOs)										
	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10	PSO11
CO1	L	H	M	M	H	H	M	H	L	L	
CO2	L	H	M	M	H	H	M	M	L	L	L
CO3	L	H	M	M	H	H	M	M	L	L	L
CO4		H	H	H	H	M	H	L	M	M	

Unit	Unit Title	Learning Chapters
I	Hand Sewing	Button hole, Different button sewing - 4hole, 2hole, Snap button, Hooks, Hemming, Patch work
II	Basic seams and seam Finishes	Basic Seams – Plain, Welt, Single Top Stitch, Double Top Stitch, Flat felt seam, Slot seam and piped seam Basic seam finishes – Pinked finish, Edge stitch finish, Double edge stitch finish, Facing & Bound edge finish, Fullness – Dart, Tucks, Pleats and Gathers
III	Parts of a Garment and Assembling	Different Collars – Stand collar, Band collar and Shawl collar, Different pockets – Patch pocket, Welt pocket, Different Sleeve – Plain, Raglan, puff, sleeve cuff, Different yokes- Single and Double, Different Placket Shirt front placket, Sleeve placket and Zipper Placket and Assembling
IV	Assembling a Garment	Assemble Component parts of Men's shirt.
Laboratory equipment's: Hand Needles, Single Needle Lock Stitch Machine, Over Lock Machine – 3T, 5T		

READING LISTS AND RESOURCES

Compulsory

1. Sewing Guide: Hand Sewing, Machine Sewing and Examples James Oszust, 2020 Merchant & Mills
2. Sewing Book Hand Sewing Techniques / Machine Know-How / Tools / Notions / Projects /Patterns by Carolyn N.K. Denham , 2014
3. Handbook of Sewing Stitches An Illustrated Guide to Techniques and Materials by Lorna Knight, 2019
4. How to Sew with Over 80 Techniques and 20 Easy Projects by Mollie Makes, 2018
5. Guide to Basic Garment Assembly for the Fashion Industry by Jayne Smith, 2011

Highly Recommended, not Compulsory

6. The Sewing Machine by Rebekah Dorn, 2008.
7. Super Stitches Sewing a Complete Guide to Machine-sewing and Hand-stitching Techniques by Nicole Vasbinder , 2014
8. Handbook for Fashion Designing: Best Drafting Techniques, Ritu Jindal,1998
9. Apparel Engineering and Needle Trades Handbook, 1960

Good for Students who have Future Interests

10. Apparel Manufacturing Technology By T. Karthik, P. Ganesan, D. Gopalakrishnan, 2017
11. Sewing for Fashion Designers By Anette Fischer, 2015
12. Super Stitches Sewing A Complete Guide to Machine-sewing and Hand-stitching Techniques

SEMESTER – I
MINI PROJECT AND VIVA VOCE

Course Code: 23UPTAD2M01

Marks: 100 Marks (Internal-40; External-60)

L:T:P – 0:1:2

Course Duration : 45 Hours

Credit: 02

Course Description:

The course gives a practical knowledge on using English in their corporate life. It helps to understand basic language and vocabulary skills. It also helps to pen down their present ideas and thoughts in an impressive manner. It understands a situation and leads it with critical thinking.

Course Outcomes (COs)

By the End of the Course, Students will be able to

Unit	Unit Title	Learning Chapters
1.	Problem Identification	How to identify the right problem to develop innovative product development. Define the problem and its relevance to today's market/society/Industrial needs.
2.	Solution Proposed/Idea	Apply various tools and techniques to propose solution to develop innovative product idea.
3.	Uniqueness	Explain the uniqueness and distinctive features of the product How the developed product idea is different from the competitors, if any.
4.	Utility value/ Value proposition	Explain the key benefits of the innovation
5.	Scalability	Highlight the market potential (market size, segment and target) aspects of the solution or the product
6.	Economic sustainability	Emphasize the commercialization/business application aspects of the solution.
7.	Environment sustainability	Highlight environmental friendliness aspects and the related benefits of the innovation
8.	Documentation	Prepare a detailed report of (unit-1-7), with high quality photographs and develop a video of the innovative product.

SEMESTER – I
SKILL ENHANCEMENT COURSE

INTERNSHIP/FIELD TRAINING/WORK BASED LEARNING ASSESMENT

Course Code: 23UPTAD2I01

Marks: 100 Marks (Internal-40; External-60)

L:T:P – 21 Hours/Week

Course Duration : 10-15 days

Credit: 04

Course Description:

The course gives a practical knowledge on using English in their corporate life. It helps to understand basic language and vocabulary skills. It also helps to pen down their present ideas and thoughts in an impressive manner. It understands a situation and leads it with critical thinking.

Course Outcomes (COs)

By the End of the Course, Students will be able to

S. No	Report List	Learning Chapters
I	Front Sheets	Letter of Undertaking, Daily Attendance Sheet, Internship Certificate
II	Overview of the Company	Brief History, Nature of Business, Types of Machineries and Equipment's used, Number of employees, Major Customers, Organizational Structure, Introduction of all the departments and their functions
III	Knowledge and Skills Gained	a. Knowledge acquired b. Skills learned c. Observed attitudes and gained values: d. The most challenging task performed:
IV	Self-Evaluation	Problem Identification Problems Identified in the Company Recommendations and Suggestions for the Problem Overview of Placement Opportunities
V	Summary	Personal Experiences Recommendations and suggestions Overview of the work based learning experience and feedback Conclusion
VI	Appendix	Samples of the work done during the internship.

SEMESTER – I
SKILL ENHANCEMENT COURSE (Foundation Course)
BASIC HAND EMBROIDERY

Course Code: 23UPTAD2S01

Marks: 100 Marks (Internal-40; External-60)

L:T:P – 0:3:0

Course Duration : 45 Hours

Credit: 03

Course Description:

The course gives a practical knowledge on using English in their corporate life. It helps to understand basic language and vocabulary skills. It also helps to pen down their present ideas and thoughts in an impressive manner. It understands a situation and leads it with critical thinking.

Course Outcomes (COs)

By the End of the Course, Students will be able to

S. No	Outcomes	Domains of Learning
CO1	Perform the different types of basic and flat hand embroidery stitches in fabric.	Psychomotor
CO2	Execute the different types of embroidery filling stitches in fabric.	
CO3	Carry out the different types of hand embroidery knotted stitches in fabric.	
CO4	Combine the basic and decorative floral stitches in the fabrics. And create products using the various stitches.	

Course Outcomes (COs)	Programme Specific Outcomes (PSOs)										
	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10	PSO11
CO1	M	H	H	H	H	H	H	M	H	M	L
CO2	M	H	H	H	H	H	H	M	H	M	L
CO3	M	H	H	H	H	H	H	M	H	M	L
CO4	M	H	H	H	H	H	H	M	H	M	L

Unit	Unit Title	Learning Chapters
I	Basic / flat stitches	Running Stitch (Whipped & Laced), Backstitch, Chain stitch, Stem stitch, Herring bone, Seed stitch, Cross stitch, Couching, Split stitch, Chevron stitch.
II	Filling stitches	Satin Stitch, Short and long satin, Cretan stitch, Fishbone Stitch, Button hole Stitch, Blanket stitch, Feather Stitch, Fly Stitch Kadai Kamal, Pattern Darning, Roumanian Stitch, Weaving Stitch.
III	Knotted stitches	French Knot, Long French knot, Peking Knot, Bullion knot, Corel Stitch
IV	Floral embroidery stitches	Lazy Daisy, Spider Wheel, 3D- Caston, Looped stem stitch, Tassel flower, Pom Pom, Woven Picot stitch flower.
Core Skills		Create any Product like Neck designs for blouse or kurti, Gifts, wall decors and accessories.

READING LISTS AND RESOURCES

Compulsory

1. Embroidery Stitches – Mary Webb, 2006, China, Pages 28 – 34
2. Ritu, Attractive Embroidery Designs, Indica Publishers, 1995.
3. Shailaja m. and Naik. D., Traditional Embroideries of India, KPH Publishing Corporation, 1996.
4. Treasury of Smocking Designs, Allyne S. Holland, New York, 1985.
5. Embroidery Stitches – Mary Webb, 2006, China, Pages 28 – 34

Highly Recommended, not Compulsory

6. How to Teach Yourself Cutwork Embroidery by DueepJyot Singh, John Davidson, 2017
7. Learning Patchwork - Traditional Patchwork Techniques By DueepJyot Singh, John Davidson, 2016
8. Learn to Quilt By DueepJyot Singh, John Davidson, 2016
9. Learning Decorative Stitches The Art of Shirring and Smocking By DueepJyot Singh, John Davidson, 2016

Good for Students who have Future Interests

10. Design for Embroidery, from Traditional English Sources By Constance Howard, 1956
11. Modern Embroidery Series, MBD Publishers, 1995.
12. Kit Pynan and Carole, The Harmony Guide to Decorative Needle Craft, Lyric Books Ltd., 1982
13. https://www.usha.com/sites/default/files/sewing_tutorials/machine-embroidery-book.pdf

இரண்டாம் பருவம்

மொழிப்பாடம்

தமிழ் தொழிற்கல்வி II

பாடக் குறியீட்டெண்: 23UPTAD2T02

Marks: 100 Marks (Internal-25; External-75)

L:T:P – 1:2:0

Course Duration : 45 Hours

Credit: 03

Course Description:

இப்பாடநெறி மாணவர்களுக்கு பேச்சுக்கலையின் தனித்தன்மையை மாணவர்களுக்கு உணரச்செய்து சமூகத்தில் சிறந்த பேச்சாளராக உருவாக்குதல் மற்றும் மொழிப்பெயர்ப்பின் தேவையை உணரச் செய்கிறது. மேலும் தமிழ் இலக்கியங்களில் குறிப்பிட்டுள்ள ஆளுமைத்திறன் உத்தியைக் கற்றுக் கொள்வதோடு தமிழ் வழியில் தற்காலத் தகவல்தொடர்புச் சாதனங்களை பயன்படுத்தும் திறனை வளர்க்கவும் உதவுகிறது.

Course Learning Outcomes (CLOs)

இப்பாட நெறி முடிவிலும் போது மாணவர்கள்

S. No	Outcomes	Domains of Learning
CLO1	பேச்சுக்கலையில் திறன் கொண்டவர்களாகுதல்	Cognitive
CLO2	மொழிப்பெயர்ப்புக்கான ஆற்றலைப் பெற்றவர்களாகுதல்	
CLO3	எழுத்தாற்றல் திறன் மிக்கவர்களாகுதல்	
CLO4	தமிழ் பண்பாட்டுடன் கூடிய சிறந்த ஆளுமை திறன் கொண்டவர்களாகுதல்	
CLO5	இணையவழி மொழி கற்றல் திறன் உடையவர்களாகுதல்	

Course Outcomes (COs)	Programme Specific Outcomes (PSOs)										
	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10	PSO11
CO1				H	L	H	H	M	H	L	
CO2				H	L	H	H	M	H	L	
CO3			L	H	H		H	L	H	L	M
CO4				H			H		M	L	M
CO5		L	L	H	M	M	H	L	H		M

Unit	Unit Title	Learning Chapters
I	பேச்சுத்திறன்	பேச்சுக்கலை - அறிமுகம், இன்றியமையாமை - பேச்சின் தன்மைகள் - வள்ளுவரின் கருத்துக்கள் - இனிய சொற்களைக் கூறுதல் - சொல் வன்மை - மேடை நாகரிகம் - நேர்காணலுக்கு பயிற்சி அளித்தல் - பேச்சுக்களங்கள் - உள்ளரங்கம் - வெளியரங்கம் - விழாப் பேச்சுக்கள் - பொதுக்கூட்டங்கள் - சொற்பொழிவுகள் - மேடை விவாதங்கள் - பட்டிமன்றம் - வழக்காடு மன்றம் - கருத்தரங்கம்- சுழலும் சொற்போர் இவை பற்றிய பங்கேற்பு நுட்பங்கள்- உரைகள் - வரவேற்புரை - தலைமையுரை - சிறப்புரை - வாழ்த்துரை - வரவேற்பாளர் - முகவர் போன்ற பணிகளுக்கேற்ற பேச்சுத்திறன் தொடர்பான நுட்பங்கள்

II	மொழிப்பெயர்ப்பு	மொழிப்பெயர்ப்பின் இன்றியமையாமை - மொழிப்பெயர்ப்பியல் கோட்பாடுகளின் அடிப்படைகள் - மொழி வழக்குகளும் மொழி பெயர்ப்பும் - பொருளைப் பொருத்தமாக அமைத்தல் - சொல்லாக்கம்- மொழிப்பெயர்ப்பின் மூன்று படிநிலைகள் - பழமொழி - வழக்குச்சொல்- பல்துறைச் சொற்கள்- மொழிப்பெயர்ப்பு - கலைச்சொற்கள் உருவாக்கம் இணையவழி மொழியாக்கப்பயிற்சி
III	படைப்புத்திறன்	நெடுந்தொடர் எழுத்தாக்கப்பயிற்சி, அச்சிதழ்களுக்கு செய்தி கட்டுரை எழுதுதல்- தொலைக்காட்சி நிகழ்ச்சிகளுக்கு எழுதுதல், வசனம் எழுதும் பயிற்சி- சிறுகதை எழுதும் பயிற்சி, கவிதை எழுதும் பயிற்சி
IV	ஆளுமைத்திறன்	தலைமைப் பதவியின் பண்புகள் - தனி மனித பண்புகளும் வளர்ச்சிகளும் - தனி மனிதன் பின்பற்ற வேண்டிய மதிப்புகள்- மக்கள் தொடர்புடைய சாதனங்களின் நெறிமுறைகள் - விளம்பர நெறிமுறைகள்- தொழில் கொள்கையை வளர்த்தல் - தொழில் முனைவோர் உளவியல் பயன்கள் - தொழில் நெறிமுறைகள்- பணி ஒழுக்க நெறியை வளர்த்தல்- தனிநபர் திறன் - ஆர்வத்தினை கண்டறிதல்தொழில் மற்றும் பணி தேவைகளை அறிதல்
V	இணையத்தமிழ்	தமிழ் இணையம் - செயல்பாடுகள் மற்றும் பயன்பாடுகள்- பல்லாடகம் - இணையம், மின்னஞ்சல் மற்றும் இணைய நூலகம்- புதிய இணையத்தள உருவாக்கம்- வலைப்பூக்கள் புலனம், முகநூல், வலையொலி, கீச்சகம், படவரி, அளாவி, பற்றியம், காயலை, ஊடலை, அருகலை, பகிரலை, ஆலலை, இயங்களை, முடக்கலை, விரலி, தடங்காட்டி

பார்வை நூல்கள்

1. டாக்டர் ம. திருமலை, ஜூன் - 2015, பேச்சுக்கலை, மீனாட்சிபுத்தகநிலையம், மதுரை
2. ரா. சீனிவாசன், -1960, மொழியியல், முதற்பதிப்பு, சைவ சித்தாந்த நூற்பதிப்பு, சென்னை.
3. டேல் கார்னிகி, 2012, மேடைப் பேச்சுக்கலை, கண்ணதாசன் பதிப்பகம், சென்னை
4. நடன.காசிநாதன், க.தாமோதரன், ச.ஹரிகரன், தமிழ்நாடு அரசு தொல்பொருள் ஆய்வுத்துறை, வெளியீடு, 1980.

வலைதள ஆதாரங்கள்

5. <https://www.tamilvu.org>
6. <https://www.tamilvu.org/ta/library-libcontnt-273141>
7. <https://noolaham.org/>
8. <https://eluthu.com/>
9. <https://tamilkatturai.com/>

SEMESTER – II
ENGLISH
PROFESSIONAL ENGLISH - II

Course Code: 23UPTAD2P02

Marks: 100 Marks (Internal-40; External-60)

L:T:P – 1:2:0

Course Duration : 45 Hours

Credit: 03

Course Description:

The course gives a practical knowledge on using English in their corporate life. It helps to understand basic language and vocabulary skills. It exposes the students to the important nuances of business communication and to initiate them into the realm of professional communication

Course Outcomes (COs)

By the End of the Course, Students will be able to

S. No	Outcomes	Domains of Learning
CO1	Adapt easily into the workplace context, having become communicatively competent	Psychomotor
CO2	Learners hone their interpersonal skills in vital areas	
CO3	Recognize how knowledge and information is accessed, shared and produced	
CO4	Develop dispositions for learning such as creativity, imagination and connection.	
CO5	Learn to successfully structure and word any academic writing assignment.	

Course Outcomes (COs)	Programme Specific Outcomes (PSOs)										
	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10	PSO11
CO1		H		H	L	H	M		H	L	M
CO2	M	M	L	H	M	L	H		L	L	H
CO3			L	H	H		H	L	H	L	M
CO4				H			H		M	L	M
CO5		L	L	H	M	M	H	L	H		M

Unit	Unit Title	Learning Chapters
I	Communicative Competence	a) Listening to talks/lectures b) Small group discussions based on the listening and reading passages c) Reading texts followed by comprehension activities d) Summary writing based on the reading passages e) Grammar: Modal verbs
II	Persuasive Communication	a) Listening to a product launch b) Debates and Just A Minute Activities c) Reading texts on advertisements and answering inferential questions d) Dialogue writing e) Grammar: Preposition and Conjunction
III	Digital Competence	a) Listening to interviews b) Interviews with subject specialists c) Reading comprehension (Essay on digital competence for Academic and Professional life) d) Creating web pages and Vlogs

		e) Grammar: Tense (Present)
IV	Creativity and Imagination	a) Listening to short academic videos b) Making oral presentations through short films c) Essay on Creativity and Imagination d) Script writing for short film, Creating flyers and Brochures and Poster making e) Grammar: Reported Speech
V	Workplace Communication & Basics of Academic Writing	a) Listening videos b) Short academic presentation using PowerPoint c) Reading Product files, Circulars, Minutes of Meeting d) Paraphrasing e) Grammar: Punctuation and Reported Speech

REFERENCES

REFERENCE BOOKS

10. John Selly, *Oxford Guide to Speaking and Writing*, 2000
11. Neal, James M. and Suzanne S. Brown. *News Writing and Reporting*. Surjeet Publications. Delhi. 1997.
12. McCarthy, Michael, Felicity O' Dell, *English Idioms in Use*. CUP 2004 rpt
13. Agarwala N. K., (2014). *English Grammar and Composition*. New Delhi: Goyal Brothers Prakhasan.
14. Kokila S. Thangasamy, (2014). *Communicative English for College Students*. Gandhigram (T.N): Arichum Blooms.

JOURNALS AND DOCUMENTS

15. https://r.search.yahoo.com/_ylt=AwrKBxxC34Zkm8APw2S7HAX.;_ylu=Y29sbwNzZzMEcG9zAzMEdnRpZAMEc2VjA3Ny/RV=2/RE=1686589378/RO=10/RU=https%3a%2f%2fwww.senguarts.co.in%2fuploads%2fMaterials%2fTANSCHCE_CommunicativeEnglish.pdf/RK=2/RS=g60e6voualUb4ImZhRIYeEZrNms-
16. https://r.search.yahoo.com/_ylt=Awr1SUxD8IZkaVAQrDq7HAX.;_ylu=Y29sbwNzZzMEcG9zAzIEdnRpZAMEc2VjA3Ny/RV=2/RE=1686593731/RO=10/RU=https%3a%2f%2fwww.researchgate.net%2fpublication%2f342869636_Functional_English/RK=2/RS=D3f7twhwgoCzcUSKcXtxuZ6M1UI-
17. https://r.search.yahoo.com/_ylt=Awr1SUyaAohkWzoklIK7HAX.;_ylu=Y29sbwNzZzMEcG9zAzEEdnRpZAMEc2VjA3Ny

SEMESTER – II
GENERIC ELECTIVE COURSE

INDUSTRIAL GARMENT MACHINERIES AND EQUIPMENTS

Course Code: 23UPTAD2E02

Marks: 100 Marks (Internal-25; External-75)

L:T:P – 2:2:0

Course Duration : 60 Hours

Credit: 04

Course Description:

This course knowledge the student about the garment manufacturing units, departments, their activities and roles, uses of machinery in various departments and importance of the equipment.

Course Outcomes (COs)

By the End of the Course, Students will be able to

S. No	Outcomes	Domains of Learning
CO1	Describe the apparel manufacturing operation involved in various departments in the apparel industry.	Cognitive
CO2	Identify the industrial machineries involved in various garment process	
CO3	Classify the special attachments of the industrial sewing machineries for high productivity	
CO4	Arrange the operation-wise machine layout for woven and knitted garments	
CO5	State the various equipments used in ironing and packing in the garment manufacturing unit.	

Course Outcomes (COs)	Programme Specific Outcomes (PSOs)										
	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10	PSO11
CO1		H		M	H		L	H	H		
CO2		H	M	M	H	M					H
CO3		H	M	M	H	M	H				
CO4		H	M	M	H	M	M				
CO5		H		M	H	M	H				

Unit	Unit Title	Learning Chapters
I	Departments in Apparel manufacturing Unit	Admin departments – Human Resource, Accountancy, Security, Electrical and Machine Maintenance, Labour welfare and health Production department – Merchandising, Accessory Stores, Pattern making, Sampling, Fabric Cutting, Sewing, QAD, Packing – Finishing, Packing, Final Inspection and Shipment.
II	Garment industry machineries	General machineries – Boilers, Bio matric and Power generator. Cutting machineries – Plotter, spreader, cutting machine by hand, band knife, round knife, straight knife machine, automatic cutter, Sticking machine. Sewing machineries – Single Needle lock stitch (SNLS), Double Needle Lock stitch (DNLS), Over lock machine-and its type, Edge cutter with SNLS, Welt Pocketing, Auto Zig, Feed of Arm (FOA), Edge cutter with SNLS, Flat lock machine – and its types.

		Finishing machineries – Bar tack, Button hole machine, button sewing machine, and Metal detection machine (MDM).
III	Special attachments	Classification of Sewing machine Guide attachments - Edge guide, Presser foot, Hemming foot, zipper foot. Classification of Sewing machine positioning attachments - Folder and Binders
IV	Machine Layout	Machine layout-types, Procedure, Techniques and operation bulletin. Stitching operation wise layout and machineries used for shirt manufacturing, Trouser, T-shirt
V	Fusing and pressing equipments	Fusing machine – Working procedure and types. Ironing – Pressing – Purpose of pressing – Types of pressing methods – Pressing, equipment and methods – Iron and steam press. Sucking – purpose – Packing machine and method of packing.

READING LISTS AND RESOURCES

Compulsory

1. Apparel Machinery and Equipment's By R. Rathinamoorthy, R. Surjit , 2015
2. Automation in Textile Machinery Instrumentation and Control System Design Principles By L. Ashok Kumar, M Senthil Kumar, 2018
3. Industrial engineering in apparel production. Babu, r. V Wood head publishing, 2012
4. Introduction to clothing manufacture. Wiley. Cooklin, g, 2006
5. Cooklin's garment technology for fashion designers. John wiley. Cooklin G, Hayes, S. G., Mcloughlin, J., & Fairclough, d, 2012

Highly Recommended, not Compulsory

6. Apparel manufacturing: sewn product analysis. Pearson/prentice hall. Glock, r. E., &kunz, g. I, 2005
7. The sewing machine attachment handbook. Krause publications. Phillips, c., 2009
8. Apparel machinery and equipment's. Rathinamoorthy, R., & Surjit, R., 2015
9. Guide to basic garment assembly for the fashion industry. John Wiley. Smith, j., 2013

Good for Students who have Future Interests

10. <http://www.ngaishinhk.com/en/text.asp>
11. Carr and Latham's technology of clothing manufacture. John Wiley. Tyler, d. J., 2009
12. Complete photo guide to sewing, sewmucheasier.com/guide to your sewing machine presser feet.

SEMESTER – II
SKILL ENHANCEMENT COURSE
BASIC DRAPING PRACTICAL

Course Code: 23UPTAD2S02

Marks: 100 Marks (Internal-40; External-60)

L:T:P – 0:0:2

Course Duration : 30 Hours

Credit: 02

Course Description:

The course provides unique training for the role of Costume Designer, allowing students to visualize three-dimensional views of imaginative designs and examine the fit of the dress for personalized designs using draping techniques. The students are learning basic draping techniques to develop uniquely in the apparel field of design.

Course Outcomes (COs)

By the End of the Course, Students will be able to

S. No	Outcomes	Domains of Learning
CO1	Prepare muslin cloth and recognize the measurements for pattern blocking	Psychomotor
CO2	Demonstrate basic front bodice, basic back bodice, Skirt and Sleeve in the selective dress form.	
CO3	Develop the darts variations in draped pattern bodice.	

Course Outcomes (COs)	Programme Specific Outcomes (PSOs)										
	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10	PSO11
CO1	H	H	H	H	M	M	L	H	L	L	L
CO2	H	H	M	H	M	H	L	M	L	L	L
CO3	H	H	H	H	H	M	M	H	L	L	L

Unit	Unit Title	Learning Chapters
I	Basic Preparation For Draping	<ul style="list-style-type: none"> Equipment Needed Preparation of Muslin for Draping Blocking Pressing
II	Basic Patterns	<ul style="list-style-type: none"> Basic bodice - Front Fullness, Tucks, Pleats, Gathers Basic bodice - Back Basic Skirt -knife pleat & box Pleat Basic Sleeve
III	Fullness in Bodices	Darts variations in Front bodice Back bodice and basic, Skirt

READING LISTS AND RESOURCES

Compulsory

1. Draping Techniques for Beginners By Francesca Sterlacci, 2019
2. Fitting Patterns Using Draping Techniques By Connie Amaden-Crawford, 2011
3. Designing by Draping Methods by Woman's Institute of Domestic Arts and Sciences (Scranton, Pa.), 1948

Highly Recommended, not Compulsory

4. Cutting and Draping Party and Eveningwear Dressmaking and Pattern Cutting for Special Occasion Clothes By Dawn Cloake , 1998 & 2016

Good for Students who have Future Interests

6. <https://www.universityoffashion.com/disciplines/draping/>
7. <https://www.moodfabrics.com/blog/a-quick-guide-to-draping-tips-and-fabrics/>

SEMESTER – II
CORE COURSE PRACTICAL

DRAFTING AND COMPUTERIZED PATTERN MAKING PRACTICAL

Course Code: 23UPTAD2L02

Marks: 100 Marks (Internal-40; External-60)

L:T:P – 2:0:4

Course Duration : 90 Hours

Credit: 04

Course Description:

The course will practically guide the students to make the pattern blocks in industrial standards. Pattern Making Software is used by many garment designers to create elaborate computerized patterns, its grading and marker making which is the key requirement in the garment manufacturing unit. By the completion of this course students will be well skilled in customize the basic pattern into different size or styles and CAD software which enhances their career development.

Course Outcomes (COs)

By the End of the Course, Students will be able to

S. No	Outcomes	Domains of Learning
CO1	Execute the basic bodice blocks for Men, Women and Children.	Cognitive
CO2	Develop various styles of garment patterns from basic pattern blocks by manual and using CAD software.	
CO3	Create different pattern sizes from the actual pattern size and Build marker planning using software.	

Course Outcomes (COs)	Programme Specific Outcomes (PSOs)										
	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10	PSO11
CO1	L	H	H	H	H	H	H	H	M		H
CO2	L	H	H	H	H	H	H	H	M		H
CO3	L	H	H	H	H	H	H	H	M		H

Unit	Unit Title	Learning Chapters
I	Basic Bodice	Drafting of Basics bodices for Men, Women, and Children.
II	Basic bodice to garment styles.	<ul style="list-style-type: none"> ➤ Converting basic bodice in to garment styles. ➤ Create patterns using software <ul style="list-style-type: none"> ○ Men's wear (2variations styles) in knits and woven ○ Women's wear(2variations styles) in knits and woven ○ Kid's wear(2variations styles) in knits and woven
III	Pattern Grading & Marker Planning	Different types of garment grading and marker planning to be implemented by drafting and computerized method. <ul style="list-style-type: none"> ○ Men's wear, Women's wear and Children's wear

READING LISTS AND RESOURCES

Compulsory

1. Patternmaking Comprehensive Reference for Fashion Design By Sylvia Rosen, 2004
2. Techniques of Drafting And Pattern Making By Padmavati B, 2009.
3. Pattern Cutting and Making Up The Professional Approach Martin Shoben, Janet Ward , 1987.

Highly Recommended, not Compulsory

4. Pattern-drafting for Fashion Seam Assembly &Finishing By Teresa Gilewska , 2013
5. Practical Pattern Making By Lucia Mors, Lucia Mors de Castro, Isabel Sánchez Hernández , 2015

Good for Students who have Future Interests

6. Factors Affecting Trade Patterns of Selected Industries, First Annual Report, Inv. 332-477
7. Metric Pattern Cutting for Men's wear, Winifred Aldrich, John Wiley & Sons, 2012

SEMESTER – II
QUALIFICATION PACK – I (LEVEL 4)

SPECIALIZED SEWING MACHINE OPERATOR (AMH_Q2301_v2.0)

Course Code: 23UPTAD2Q01

Marks: 100 Marks (Assessment by NSDC)

L:T:P – 2:3:2

Course Duration : 105 Hours

Credit: 06

Course Description:

A Sewing Machine Operator, also called a Stitcher or Machinist is an important job-role associated with Apparel sector. The primary responsibility of a machinist is to sew fabric to produce apparels. A Specialized Sewing Machine Operator is responsible for operating the specialized sewing machine to sew different kinds of stitches on fabric/garments in the apparel industry.

Course Outcomes (COs)

By the End of the Course, Students will be able to

S. No	Outcomes	Domains of Learning
CO1	Maintain the work area, tools and machines and observe green processes in job roles	Psychomotor & Cognitive
CO2	Adhere the potential risks associated with hazardous processes and guidelines for medical emergencies.	
CO3	Simplify the operation or give design effects in Flat lock Machine Over lock Machine Feed-of-the- arm Welt Attachment Machine Waistband Attachment Machine (KANSAI) Other specialized machines.	
CO4	Contribute to achieving the quality in stitching operations	

Course Outcomes (COs)	Programme Specific Outcomes (PSOs)										
	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10	PSO11
CO1	H	H	H	H	H	H	H				
CO2	H	H	H	H	H	H	H				
CO3		H		H	H		H				
CO4		H		H	H		H	M	M		

Unit	Learning Chapters (http://sscammh.com/approvedQPNo.php)
I	Reference ID:AMH/N0102: .Maintain work area, tools and machines and Greening of Job Roles
II	Reference ID: AMH/N0103: Maintain health, safety and secure work place with Gender and PwD Sensitization
III	Reference ID: AMH/N2301: Carry out different types of stitches using an specialized sewing machine
IV	Reference ID: AMH/N2302: Contribute to achieve quality in sewing work

READING LISTS AND RESOURCES

1. https://sscammh.com/admin/app/webroot/files/ptno/qjno1652196549AMH_Q2301_v2.0-Specialized-Sewing-Machine-Operator.pdf
2. The Sewing Machine By Rebekah Dorn, 2008
3. Handbook for Fashion Designing: Best Drafting Techniques Ritu Jindal, 1998
4. Apparel Manufacturing Technology By T. Karthik, P. Ganesan, D. Gopalakrishnan, 2017

SEMESTER – II
MINI PROJECT AND VIVA VOCE

Course Code: 23UPTAD2M02

Marks: 100 Marks (Internal-40; External-60)

L:T:P – 0:1:2

Course Duration : 45 Hours

Credit: 02

Course Description:

The course gives a practical knowledge on using English in their corporate life. It helps to understand basic language and vocabulary skills. It also helps to pen down their present ideas and thoughts in an impressive manner. It understands a situation and leads it with critical thinking.

Course Outcomes (COs)

By the End of the Course, Students will be able to

Unit	Unit Title	Learning Chapters
1.	Problem Identification	How to identify the right problem to develop innovative product development. Define the problem and its relevance to today's market/society/Industrial needs.
2.	Solution Proposed/Idea	Apply various tools and techniques to propose solution to develop innovative product idea.
3.	Uniqueness	Explain the uniqueness and distinctive features of the product How the developed product idea is different from the competitors, if any.
4.	Utility value/ Value proposition	Explain the key benefits of the innovation
5.	Scalability	Highlight the market potential (market size, segment and target) aspects of the solution or the product
6.	Economic sustainability	Emphasize the commercialization/business application aspects of the solution.
7.	Environment sustainability	Highlight environmental friendliness aspects and the related benefits of the innovation
8.	Documentation	Prepare a detailed report of (unit-1-7), with high quality photographs and develop a video of the innovative product.

SEMESTER – II
SKILL ENHANCEMENT COURSE

INTERNSHIP/FIELD TRAINING/WORK BASED LEARNING ASSESMENT

Course Code: 23UPTAD2I02

Marks: 100 Marks (Internal-40; External-60)

L:T:P – 21 Hours/Week

Course Duration : 25-30 days

Credit: 04

Course Description:

The course gives a practical knowledge on using English in their corporate life. It helps to understand basic language and vocabulary skills. It also helps to pen down their present ideas and thoughts in an impressive manner. It understands a situation and leads it with critical thinking.

Course Outcomes (COs)

By the End of the Course, Students will be able to

S. No	Report List	Learning Chapters
I	Front Sheets	Letter of Undertaking, Daily Attendance Sheet, Internship Certificate
II	Overview of the Company	Brief History, Nature of Business, Types of Machineries and Equipment's used, Number of employees, Major Customers, Organizational Structure, Introduction of all the departments and their functions
III	Knowledge and Skills Gained	a. Knowledge acquired b. Skills learned c. Observed attitudes and gained values: d. The most challenging task performed:
IV	Self-Evaluation	Problem Identification Problems Identified in the Company Recommendations and Suggestions for the Problem Overview of Placement Opportunities
V	Summary	Personal Experiences Recommendations and suggestions Overview of the work based learning experience and feedback Conclusion
VI	Appendix	Samples of the work done during the internship.

SEMESTER – II
SKILL ENHANCEMENT COURSE

PORTFOLIO – TRAINING ON QUALITY IN APPAREL PRODUCTION

Course Code: 23UPTAD2S03

Marks: 100 Marks (Internal-40; External-60)

L:T:P – 0:2:0

Course Duration : 30 Hours

Credit: 02

Course Description:

The course will practically guide the students to predict the machineries for the particular style production. It also enables the students to professionally customize the profiles and templates for making component parts in Apparel manufacturing as well as maintain quality parameters in the garment unit.

Course Outcomes (COs)

By the End of the Course, Students will be able to

S. No	Outcomes	Domains of Learning
CO1	List out the operation sequences and machineries for various garment production.	Psychomotor
CO2	Develop various templates and reports of garment production process	
CO3	Examine the production procedures in garment production floor.	
CO4	Evaluate quality parameters in the garment production floor	

Course Outcomes (COs)	Programme Specific Outcomes (PSOs)										
	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10	PSO11
CO1		H	H	H	H	M	H	H	L	M	L
CO2		H	H	H	H	M	H	H	H	M	M
CO3		H	L	M	H	H	M	H	H	M	L
CO4		H	M	H	H	H	L	H	M	L	M

Unit	Unit Title	Learning Chapters
I	Analyze garment operation and machineries	<ul style="list-style-type: none"> First Garment Operation bulletin Critical or bottle neck operations List of machines used for particular style – Shirt, T-shirt, Trousers and Inner wear.
II	Production Improvements	<ul style="list-style-type: none"> Prepare templates Prepare profiles Prepare marking patterns Re-cutting & Replacements Input and output reports making
III	Production Monitoring	<ul style="list-style-type: none"> Analyze hourly report – Batch meeting Line balancing – operator adjustment Operator motivation processes – Grading system
IV	Quality Analyze	<ul style="list-style-type: none"> Measuring techniques in measurement tape Follow traffic light system Follow bundle and cut panels numbering AQL - Inline and end line check reports and Reworks account

READING LISTS AND RESOURCES

Compulsory

1. Management of Technology systems in Garment Industry, Gordana Colovic, Woodhead Publishing, New Delhi, 2011.
2. Apparel Manufacturing Technology T. Karthik, P. Ganesan, D. Gopalakrishnan, 2016
3. Process Selection from Design to Manufacture by K. G. Swift, J. D. Booker, 2000

Highly Recommended, not Compulsory

4. Apparel International The Journal of the Clothing and Footwear Institute · Volume 28, 1997
5. Advances in Apparel Production, Catherine Fairhurst, Woodhead publications, Cambridge, UK, 2008.
6. Management of Technology Systems in Garment Industry Gordana Colovic, 2011

Good for Students who have Future Interests

7. Sourcing Practices in the Apparel Industry, Marlon Lezama, Brain Webbar, Charles Dagher, The Commonwealth Secretariate, UK, 2004.
8. Apparel Manufacturing IVth Edition, Ruth E Glock, Grace I Kunz, Kindersley Publications, New Delhi, 2005.
9. Garment Manufacturing – Processes, practices and Technologies, Prasantha Sarkar, Mudranik Technologies Pvt Ltd, New Delhi, 2015.