PROGRAMME STRUCTURE

FOR

DIPLOMA PROGRAMME IN

GARMENT TECHNOLOGY

UNDER RATIONALISED SEMESTER SYSTEM

(IMPLEMENTED FROM ACADEMIC YEAR 2020-2021)

BOARD OF TECHNICAL EDUCATION, GOA STATE

DTE Building, Alto Porvorim, Bardez, Goa 403521
Ph. +91-832-2413571, +91-832-2412146
Fax +91-832-2413572
Email: dir-dte.goa@nic.in

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DIPLOMA IN GARMENT TECHNOLOGY

Semester I

Course Code	Name of Course	TEACHING SCHEME				EXAMINATION SCHEME				Total Marks
		L	T	P	H	Theory Marks		Practical Marks		
						TH	TM	Pr/Or	TW	
GA101	BASIC DESIGN	-	-	06	06	-	-	50 (Pr)	50	100
GA102	BASIC SEWING	-	-	06	06	-	-	75(Pr)	50	125
GA103	PATTERN MAKING	-	-	06	06	-	-	75 (Pr)	50	125
GC101	COMMUNICATION SKILLS	-	-	02	02	-	-	25(Pr+Or)	25	50
GA104	TEXTILE FIBERS	04	-	01	05	75	25	-	-	100
	TOTAL	**25**								**500**

Legends:
TH – Theory Head
TM – Test Marks
PR/OR - Practical/ Oral
TW - Term Work

(GA101) BASIC DESIGN

1. COURSE OBJECTIVES :

The students will able to understand the basic concept of Art & Design. He/She will acquire skills on the various tools, equipments and mediums used in design. They will be able to relate with the Elements and Principles of design in relation to garment design. They will learn and understand the concept of human body.

2. TEACHING AND EXAMINATION SCHEME:

SEMESTER I									
Course Code & Course Title	**Periods/ Week (In Hours)**			**Total Credit**	**Examination Scheme**				
					Theory Marks		**Practical Marks**		**Total Marks**
BASIC DESIGN GA 101	**L**	**T**	**P**	**H**	**TH**	**TM**	**TW**	**PR/ OR**	**100**
	-	-	6	6	-	-	50	50	

3. COURSE OUTCOMES:

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

1. Apply and differentiate between various tool and mediums used in art and design.
2. Understand the stages of life with relation to the developing of the body and thus improve their ability to design better garments.
3. Recall and apply principles and elements of design.
4. Learn to think and act as artists and creators, working creatively and intelligently to develop a style of their own.

4. Mapping Course Outcomes with Program Outcomes

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline Specific Knowledge	Problem Analysis	Design and Devlopment of	Engg. Tools, Experimentation &	Engg. Practices for Society,Sustainabilit	Project Management	Life -long Learning
CO1	3	0	1	1	0	1	3
CO2	3	0	2	1	0	1	3
CO3	3	0	2	1	0	1	3
CO4	2	2	3	1	1	2	3

Relationship : Low-1 Medium-2 High-3

	PSO1	PSO2
CO1	1	2
CO2	1	2
CO3	1	2
CO4	2	2

5. DETAILED COURSE CONTENTS / MICRO-LESSON PLAN

M = Marks	**Thr = Teaching hours**	**CO = Course Objectives**			
Unit			**M**	**Thr**	**CO**	**Levels**
1 UNIT: INTRODUCTION				**10 hrs**	**1**	**1,2**
1.1 Relationship between Art and Design.						
1.2 Essential tools, materials and equipments used in art and design						
1.3 Various illustrating mediums used in art and design.						
2 UNIT: ELEMENTS OF DESIGN-				28 hrs	**2,3**	**1,2,3**
2.1 Classifications of design (dot, line, form and shape, texture ,colour and space)						
2..2 Colour Classification (primary, secondary, tertiary, quaternary and intermediate colours)						
2.3 Colour Wheel and its significance in the design world.						
3 UNIT: PRINCIPLES OF DESIGN : ITS RELEVANCE IN GARMENT DESIGN.				24 hrs	**1,2,3**	**1,2,3**
3.1 Principle of Balance and types of balance in garments						
3.2 Principle of Proportion and ratios in garments						
3.3 Principle of Rhythm and types of rhythms in garments						
3.4 Principle of Emphasis and its application on garments						
3.5 Principle of Harmony and its use in garments						
4 Unit 4: FIGURE DRAWING				20 hrs	**1,2,3,4**	**1,2,3,4**
4.1 Growth and Development of the human body.						
4.2 Divisions of the human body(Heads and Mechanical figure)						

4.3 Natural Figure- 8½ Head figure				
4.4 Fashion Figure- 9½ Head figure.				
5 Unit : PSYCHOLOGY OF COLOUR		14 hrs	**1,2,3,4**	**1,2,3,4**
5.1 Colour and Humans				
5.2 Psychological properties of colours				
5.3 Colour and Brand imaging				
Total	**50**			

6. COURSE DELIVERY:

The Course will be delivered through lectures, class room interactions, exercises and case studies

7. SPECIFICATION TABLE FOR TERM WORK & PRACTICALS HOURS

No	**Practical**	**Marks**
1.	Demonstration of the various tools and equipments used in art and in design.	
	Collection/ Illustration and use of the various tools & equipments	
	Identifying the various mediums used in art and design	
	Using the mediums on different textures and surfaces.	
	Sourcing the elements from magazines i.e. dot, line, form and shapes, textures and colours	
	To create the various elements of design through identification and design concepts	
	Creating the various classifications in colours. Creating a Standard colour wheel . Understanding the placement of each colour on the wheel. Application of the colours on the wheel	
	General understanding of the various principles of design. Learning about each principle, the concept and application and its relevance in garments. Collection of pictures in each principle of design with relationship to the human body and to the garment Relationship between each principle, with eachother.	
	Understanding the growth and development from birth to adulthood (stages of life in relation to the development of the body). Identifying through head proportions the growth and development from an infant to an adult figure. The 8 head theory – mechanical and fleshed out figures- proportions, placements and illustrations to create a complete normal human figure. Elongation of the natural figure into a fashion figure used by illustrators /designers.	

	Brief sourcing of various types of figures used in the fashion world.	
	Identification of how colour effects us. Role of colour in various aspects of our day to day life(moods, perceptions, behavior,effectiveness etc)	
	Total	50
No	**Class room Assignments**	**Marks**
1	At least 10 covering all units above	
2		
No	**Tutorial Exercise**	**Marks**
1	At least 10 problems on each unit given above	
...	Total	50

8. LEARNING RESOURCES

Text Books

S. No.	Author	Title of Books	Publishers
1.	David A Lavel	Design Basics	Latest
2.	Mary Garthe	Fashion and Colour	Latest
3.	Edited by Trevor Lamb & Janine Boumau	Colour, Art and Science	Latest
4.	Line Jack Selleck	Elements of Design	Latest
5.	Yoko Ogawa, Tunko Yanaoto ei Kondo	Colour in Fashion	Latest
6.	Anne Allen & Julian Seaman	Fashion Drawing –The Basic Principle	Latest
7.	Julian Seaman	Fashion Illustration – Basic Techniques	Latest
8.	Alian de Botton and John Armstrong	Art as Therapy	Latest
9.	Josef Albers	Interaction of colour	Latest

(GA102) BASIC SEWING

1. COURSE OBJECTIVES:

The students will able to learn basic hand and Machine sewing skills. He/She will understand the functioning of a sewing machine. He/She will be able to rectify sewing machine problems. Students will be able to use skills acquired in Garment Construction. Knowing these skills will enable the student to stitch more efficiently.

2. TEACHING AND EXAMINATION SCHEME

Semester	I								
Course code & course title	Periods/Week (in hours)			Total Credits	Examination Scheme				
					Theory Marks		Practical Marks		Total Marks
BASIC SEWING GA 102	L	T	P	H	TH	TM	TW	PR/OR	
	-	-	06	06	-	-	50	75	125

3. COURSE OUTCOMES:

On successful completion of the course, the student will be able to:
1. Identify the parts and functioning of a sewing machine.
2. Differentiate between hand and machine sewing skills
3. Apply the sewing techniques for garment designing and Manufacture
4. Use the requisite techniques in the garments as per the need.

4. Mapping Course Outcomes with Program Outcomes

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline Specific Knowledge	Problem Analysis	Design and Devlopment of	Engg. Tools, Experimentation &	Engg. Practices for Society,Sustainability	Project Management	Life -long Learning
CO1	3	0	1	2	0	1	3
CO2	3	0	2	3	2	2	3
CO3	3	0	2	2	1	2	3
CO4	3	2	3	2	2	3	3

Relationship : Low-1 Medium-2 High-3

	PSO1	PSO2
	Research and Dev	Satisfy Customer
CO1	1	1
CO2	2	3
CO3	2	2
CO4	3	3

5. DETAILED COURSE CONTENTS / MICRO-LESSON PLAN

M = Marks	**Thr = Teaching hours**	**CO = Course Objectives**

Unit	**M**	**Thr**	**CO**	**Level**
1 SEWING SUPPLIES & DOMESTIC SEWING MACHINE:		**10**		
1.1 Threads, needles (machine & hand), tacking pins, bee wax, pin cushion, needle threader, thimble, seam ripper, awl, bodkin, loop turner, zippers, buttons, snap fasteners, hooks & eyes, eyelets etc			1	1,2
1.2 Parts of a sewing machine, threading, bobbin winding, functioning of a machine, machine foots, problems in sewing machines.			**2**	
2 BASIC HAND & MACHINE SEWING SKILLS		28		
2.1 Straight & diagonal tacking, slant, slip, circular hemming & darning Patch work(plain and Printed Patch)			**2,3**	**1,2,3**
2.2 Reverse machining, Tying ends, Bobbin thread machining, Top stitching, Under-stitching (Top & Bottom) & Groove machining & Beading.				
3 BASIC SEAMS & SEAM FINISHES:		16	**2,3,4**	**2,3,4**
3.1 Seam formation for plain seam, curved seams (inward & Outward), corner seams (inward & Outward), Mock French seam, Run 'n' fell seam, Self bound seam & Lapped seam.				
3.2 Pinked, Pinked and Stitched, Turn 'n' stitch, Bound finish(with prepared bias & ready bias) ,Machine over lock.				
4 OPENINGS & FASTENERS ON GARMENTS:		24	**3,4**	**3,4**
4.1 Faced placket, Continuous placket, Slit continuous placket and Wrapped placket.				
4.2 Metal hook & eye, Metal hook & thread eye, Pant hook & eye, Snap buttons, Button & Button hole, Zippers- Centered, Lapped & Invisible zippers. Fancy button and Loop,				
5 5 FACINGS & PIPING'S		18	**3,4**	**3,4**
5.1 Shaped facing (round, square, 'V' shaped), Bias facing (round), Piping (round & square).				
Total		**96**	**-**	

6. COURSE DELIVERY:

The Course will be delivered through lectures, class room interactions, exercises and case studies

7. SPECIFICATION TABLE FOR TERM WORK & PRACTICALS HOURS

No	Practical	Marks
1.	A collection of pictures on various sewing supplies will be done as home assignment by students.	
2	A picture of the domestic sewing machine will be neatly labeled by the student and a collection of pictures of various foots as well as the working of the sewing machine will be done. A chart of the various sewing machine problems will be created using demonstrations and reference work. Student will have to practically work on the machine on ruled paper, bobbin winding, machine threading etc.	
3	Samples of straight and diagonal tacking, slant, slip, blind & circular hemming will be done by student and darning samples will be done (02 nos) patch and repairing a hole.	
4	Students will have to prepare samples showing reverse machining, tying ends of threads, top stitching, under stitching (top & Bottom), groove machining, beading will be demonstrated to the student.	
5	Steps in seam formation on plain seam, curved seams (inward & outward), corner seams (inward & outward) mock French seam, run 'n' fell seams, self bound seams & lapped seam samples will be made by the student in class.	
6	Seam finishes on plain seam samples i.e. pinked, turn 'n' stitch, bound seam with prepared as well as ready bias & using of the machine over lock will be done in class by each student.	
7	Students will individually construct samples of faced, continuous and slit continuous and wrapped plackets.	
8	Samples of round, square and V-shaped necklines will be finished with shaped facing, whereas bound finish will be done on round and square necklines and bias facing for round neckline. A self-study assignment on a fancy neckline may be given to students also.	
9	Students will construct wrapped plackets and work metal hooks with metal eye as well as thread eye, pant hook and eye, snap buttons, fancy buttons, shirt buttons, horizontal and vertical button holes, creating fabric/cord loops or rouleau etc. samples of various zipper attachments like centered, lapped and invisible zipper will be done on samples.	
	Note; Practical work will include working on samples prescribed in the syllabus. All the samples will be marked on the basis of work done in class. A journal will be maintained of class work and marked for 10marks under internal assessment; the division of 10 marks is as follows; Attendance- 01 mk, punctuality in submission- 01 mk, neatness & Presentation of work – 03 mks and Completion of journal- 05 mks. The remainder of the PPA i.e. 40 mks will include regular class work. ESP will be as per the marking scheme and 10 marks will be for journal as assessed by the External examiner (Practical examination will be for minimum 4 hrs)	

8. LEARNING RESOURCES

Text Books

S. No.	Author	Title of Books	Publishers
1.	Anna Jacob Thomas	The Art of Sewing	Latest
2.	Harper & Row	Vogue Sewing Surged Garments & Materials	Latest
3.	Ann Ladbury	The Sewing Book- A Complete Practical Guide	Mitchell Beazley Publications
4.	Cy De Cosse Incorporated, Minnetonka Minnesota, USA.	Singer – Sewing Step by Step	Latest
5.	Anne Allen & Julian Seaman	Clothing (Fashion, Fabric, Construction)	Latest

(GA103) PATTERN MAKING

1. COURSE OBJECTIVES:

The students will able to learn taking measurements as per garment requirement. They will learn basic Bodice Blocks. They will be able to understand Layout, Cutting & fabric consumptions. Taking different body measurements required for drafting will enhance their ability to stitch garments that fit better. They will be able to create basic upper and lower garment blocks. They will understand different layouts, placement and cutting for various garments. They will also understand fabric grain-line and will be able to calculate fabric consumption based on the width.

2. TEACHING AND EXAMINATION SCHEME

Semester	**I**								
Course code & course title		**Periods/Week (in hours)**			**Total Credits**	**Examination Scheme**			
						Theory Marks		**Practical Marks**		**Total Marks**
PATTERN MAKING GA103		**L**	**T**	**P**	**H**	**TH**	**TM**	**TW**	**PR/OR**	
			-	**06**	**06**	**-**	**-**	**75**	**50**	**125**

3. COURSE OUTCOMES:

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

1. Use body measurements to make blocks
2. Understand the different human body measurements.
3. Use blocks to create various layouts.
4. Analyse and understand how different widths affect fabric consumption.

4. Mapping Course Outcomes with Program Outcomes

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline Specific Knowledge	Problem Analysis	Design and Devlopment of	Engg. Tools, Experimentation &	Engg. Practices for Society,Sustainability	Project Management	Life -long Learning
CO1	3	1	0	2	2	2	3
CO2	3	2	0	2	1	1	3
CO3	3	2	2	1	2	2	3
CO4	3	2	2	2	2	1	3

Relationship : Low-1 Medium-2 High-3

	PSO1	PSO2
CO1	0	2
CO2	1	2
CO3	1	1
CO4	1	2

5. DETAILED COURSE CONTENTS / MICRO-LESSON PLAN

M = Marks	**Thr = Teaching hours**	**CO = Course Objectives**

Unit	**M**	**Thr/ Pr**	**CO**	**Level**
1 UNIT: INTRODUCTION TO MEASUREMENTS, GRAIN LINE & FABRICS:		**08**	**1**	**1,2,3**
1.1 Upper & lower body measurements				
1.2 Understanding fabric grain lines, print direction, right & wrong side of fabrics, fabric widths and shrinkage.				
2 UNIT: UPPER BODICE BLOCK :		26	**2**	**1,2,3**
2.1 Materials used for drafting. Important tips on flat patterns				
2.2 Basic one dart Bodice block:- drafting of basic one dart bodice block till hip on standard measurements. Practicing the basic bodice block with self measurements & measurements of 2 different sizes.				
2.3 Drafting of basic sleeve block (shaped & unshaped) on standard measurements. Practicing basic sleeve block with self measurements & measurements of 2 different size				
3 UNIT:LOWER BODICE BLOCK		24	**2**	**1,2,3**
3.1 Materials used for drafting. Important tips on flat patterns.				
3.2 Basic Skirt Block:- drafting of basic Skirt block on standard measurements.				
3.3 Practicing the basic Skirt block with self measurements & measurements of 2 different sizes.				
4 UNIT: PLACEMENT & CUTTING ON SINGLE WIDTH:		22	**3,4**	**2,3,4**
4.1 Brief introduction into layouts & folds for cutting. An assignment each on the following folds using 1/4th scale drafts. 36'' width fabric standard lengthwise fold on plain fabric.				
4.2 45'' width fabric partial lengthwise fold on 2 directional printed/woven/napped fabric.				
4.3 54'' width fabric double lengthwise fold on nap/one directional fabric/velvet.				
4.4 45'' width fabric bias fold layout.				

5 UNIT: LAYOUT ON DIFFERENT WIDTHS(45' & 60'), DIRECTIOONAL FABRIC (NAPPED & PRINTED) LAYOUT FOR OPEN & CLOSE, LAYOUT ON BIAS:		18	**3,4**	**2,3,4**
		96	**-**	

6. COURSE DELIVERY:

The Course will be delivered through lectures, class room interactions, exercises and case studies

7. SPECIFICATION TABLE FOR TERM WORK & PRACTICALS HOURS

No	Practical	Marks
1.	Sheets with brief description of various tools and equipments used for drafting along with pictures. Terminology of different measurements, short forms, conversions from cms to inches and vice-a-versa. Measuring tips. Preparing a chart by taking measurements of 2 other students and getting self measurements taken. Preparing a measurement sheet using proportionate measurements. Standard measurement charts used internationally.	
2	Testing the grain line, identifying right and wrong side of the fabric, market survey with samples of various widths of fabric.	
3	Preparing full size and ¼ scale drafts using standard measurements of basic one dart bodice block till hip.	
4	Full size bodice blocks till hips of self and 2 other students (with/ without dart).	
5	Drafting a full size basic sleeve (shaped & un-shaped) using standard measurements as well as ¼ scale block. Full size basic sleeve blocks of self and 2 other students	
6	Constructing a basic straight skirt (full size & ¼ scale) draft with dart using standard measurements. Full size basic straight skirt of self and 2 other students (with / without dart).	
7	Sheets will be prepared of various folds for cutting designer wear fabrics. ¼ scale drafts of basic bodice block, skirt and sleeve will be drafted of given measurements and layout prepared using 36'' width fabric (1/4 scale) and standard lengthwise fold (facings, hems, seam allowances to be included). A two directional printed/woven/napped fabric (45'' ¼ scale) will be used to prepare a partial lengthwise fold layout using ¼ scale draft of given pattern of blouse with sleeve and skirt (facings, hems, seam allowances to be included).	
8	A 54'' ¼ scale layout using blocks prepared from given pattern of bodice, skirt and sleeve on double lengthwise fold of one directional/ napped/ velvet fabric (facings & hems included).	
9	A waist length bodice block without opening will be prepared of ¼ scale and a bias layout using 45'' width fabric (¼ scale) will be done.	
10	A self study assignment on a layout on checks/stripes may be given.	

	NOTE: - Practical work will include working on samples prescribed in the syllabus. All the samples will be marked on the basis of work done in class. A journal will be maintained of class work and marked for 10marks under internal assessment; the division of 10 marks is as follows; Attendance- 01 mk, punctuality in submission- 01 mk, neatness & Presentation of work – 03 mks and Completion of journal- 05 mks. The remainder of the PPA i.e. 40 mks will include regular class work.	

8. LEARNING RESOURCES

Text Books

S. No.	Author	Title of Books	Publishers
1	Esmond	Pattern Making Manual	Latest
2	Shri. K.R. Zarapkar,	Zarapkar System of Cutting	Navneet Publications Ltd.
3	Winifred Aldich.	Fabric, Form & Flat Pattern Cutting	Blackwell Science
4	Sherie Doongaji, Raushni Deshpande,	Basic Processes & Clothing Construction	Unique Educational Books, Raaj Prakashan, Bengali Mkt., New Delhi.
5	Ether Wyllie,	Today's Custom Tailoring	Glencoe Publishing Co. Bennett & Me Knight Division 15319, Chatsworth Street, Mission Mills, California
6	Elvina Caastellinoti	Shortcuts To Sewing	Latest

(GC101) COMMUNICATION SKILLS

1. COURSE OBJECTIVES:

The students will able to develop effective communication skills in written form. Develop effective communication skills in oral form. Develop a dynamic personality through knowledge of etiquettes and positive body language.

2. TEACHING AND EXAMINATION SCHEME

Semester I									
Course code & course title	**Periods/Week (in hours)**			**Total Credits**	**Examination Scheme**				
					Theory Marks		**Practical Marks**		**Total Marks**
GC 101 COMMUNICATION SKILLS	**L**	**T**	**P**	**H**	**TH**	**TM**	**TW**	**PR/OR**	
	-	**-**	**02**	**02**	**-**	**-**	**25**	**25**	**50**

3. COURSE OUTCOMES:

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

1. Understand the concepts of spoken and written English
1. Apply the principles of spoken and written English in groups and organizations
2. Analyse and organize the information that is required to be presented in written and oral communication.
3. Develop etiquettes in inter-personal communication while projecting a positive body language

4. Mapping Course Outcomes with Program Outcomes

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline Specific Knowledge	Problem Analysis	Design and Development of Solutions	Engg. Tools, Experimentation & Testing	Engg. Practices for Society, Sustainability	Project Management	Life -long Learning
CO1	01	01	01	01	02	01	03
CO2	02	01	02	01	02	02	03
CO3	02	02	02	01	02	02	02
CO4	01	01	01	01	01	02	03

Relationship : Low-1 Medium-2 High-3

	PSO1	PSO2
CO1	01	02
CO2	01	03
CO3	03	03
CO4	-	03

5. DETAILED COURSE CONTENTS / MICRO-LESSON PLAN

M = Marks	**Thr = Teaching hours**	**CO = Course Objectives**			
Unit		**M**	**Phr**	**CO**	**Levels**
1 UNIT NAME: Fundamentals of communication Skills		**-**		**CO 01 CO 02 CO 03 CO 04**	**M,**
1.1 **Communication skills fundamentals** Definition, communication process, importance of communication skills, essentials of effective communication			01		
1.2 **Types of communication**: verbal Communication and Non verbal communication (Body language, facial expressions, gestures, eye contact, posture , dress and grooming/personal appearance , deportment, personal hygiene) Paralinguistic (Volume, pace, pitch, pauses)			02		
1.3 **Barriers to communication:** physical barriers, psychological barriers and cultural barriers			01		
2 . Unit: PRESENTATION SKILLS					
2.1 Presentations: Methods and style of presentation, Importance, planning a presentation, venue selection, audience awareness(age, gender, profession background, educational and social background) time and duration, audio visual aids (OHP, LCD projector, flip charts, white/black/green board, computer, microphone)			**02**	**CO02 CO03 CO04**	
2.2 Public speaking: preparatory steps, tips for good beginning and end, delivery style, techniques for a good speech(repetition, signs, pictures, humor), body language			**02**		
3 UNIT: TECHNICAL Writing				**CO 01 CO 02**	
3.1 **Report writing** Functions and parts of a report, Qualities of a good report, and types: Report on any institute function, Accident report , Industrial visit Report			04		
3.**2 Business letters** Principles of effective letter writing, parts of a business letter, formats(Full block style, Semi block style, modified block style)			06		

Routine/ Generic letters(letter to the heads of the institute, letter to the heads of various departments/sections of the institute) Types of letters: Enquiry Letter, Quotation, Purchase Order, Letter of Complaint				
3.3 **Job application** Tips for a good C.V and a Resume		02		
3 UNIT GRAMMAR	-			
4.1 Fundamentals of English writing Subject verb agreement, homonyms, homophones, homographs, articles, Punctuation ,synonyms, fundamentals of sentence construction		**02**	**CO 01** **CO 02**	
4.2 Paragraph Writing: Developing Topics (the main idea), body (supporting sentences), conclusion, proof reading		**02**		
UNIT V:LANGUAGE WORKSHOP **5.1 Reading Skills** strategies to use for building vocabulary and reading fluencies (read extensively, identify new words ,use of dictionary, online dictionary apps), reading comprehension, pronunciation, , debate, role play,	-	08	**CO 01** **CO 02** **CO 03**	
5.2 Listening Skills How to listen effectively, listening comprehension				
5.3 Speaking skills speech, group discussion				
5.4 Writing skills précis writing, comprehension				
Total		**32**		

6. COURSE DELIVERY:
The Course will be delivered through lectures, class room interactions, videos, exercises

7. SPECIFICATION TABLE FOR THEORY/ MACRO-LESSON PLAN

Unit No	Unit	Number of lectures	Marks
1	Fundamental of Communications skills	04	-
2	Presentation Skills	04	-
3	Technical Writing	12	-
4	Grammar	04	-
5	Language workshop	08	-
	Total	32	25

8. SPECIFICATION TABLE FOR TERM WORK & PRACTICALS HOURS

No	Practical	Marks
1.	**Practical Title: Fundamental of Communications skills**	
i.	Comprehension	
ii.	Précis writing	

iii.	Self Introduction	
2	**Practical Title: Presentation Skills**	
iv.	Extempore speech	
v.	Presentation on any given Topic	
3	**Practical Title: Technical Writing**	
vi.	Accident Report	
vii.	Report on Institute function	
viii.	Industrial visit report	
ix.	Generic letters to the heads of various department/ Sections of the institute	
x.	Inquiry letter	
xi.	Quotation	
xii.	Purchase or supply order	
xiii.	Complaint letter	
xiv.	Job application	
4	**Grammar**	
xv.	Exercises in subject – verb agreement	
xvi.	Exercises in use of preposition	
xvii.	Exercises in use of Homophones, homonyms, homographs	
xviii.	Exercises in use of punctuation	
xix.	Exercises relating to correcting the sentences	
xx.	Paragraph writing	
5	**Language workshop**	
xxi.	Exercises to improve Reading skills	
xxii.	Exercises to improve Writing skills	
xxiii.	Group discussion	
xxiv.	Listening comprehension	
	Total	25
No	**Class room Assignments**	**Marks**
1	As Above	-
2		
...		
No	**Tutorial Exercises**	**Marks**
1	Not Applicable	-
2		
...		

9. LEARNING RESOURCES

Text Books

S. No.	Author	Title of Books	Publishers
1	R. C. Sharma & Krishna Mohan	Business correspondence and Technical Writing	Tata Mc Graw Hill
2	P. Prasad, Sharma, K. Rajendra	The functional aspects of communication skills	S.k. Kataria & sons
3	Raul R. Timm	How to make winning presentations	Sneha Printers
4	Dale Carnegie, Training CPI	Stand and Deliver, How to become a masterful communicator and public speaker	Cox & Wyman, UK
5	Wren & Martin	High School English Grammar & Composition	S. Chand, N. Delhi

Reference Books for further study

S. No.	Author	Title of Books	Publishers
1	Lee Iacocca	Lee Iacocca- An autobiography	
2	Barrack Obama	Dreams of my father	
3	Chetan Bhagat	Two states,Half Girl friend	
4			

Autobiographies, self help books, Audio speeches given by famous personalities

Internet and Web Resources

https://www.grammarly.com/
https://www.bbc.co.uk/programmes/articles/5QFnVy3xzT5htTh13cmP2P8/teacher-resources
https://Ted.com

Videos and Multimedia Tutorials

https://you.tu.be/AykYRO5d_II

(GA104) TEXTILE FIBRES

1. COURSE OBJECTIVES:

The students will be able understand the different types of textile fibres both natural and manmade, its cultivation, manufacturing processes and its properties. They will be able to identify textile fibres by microscopic, chemical, burning methods. They will be to identify fabric finishes as per its end uses**.** They will be able to recognize and identify different types of fibres and finishes. They will learn the physical and chemical properties and structure of different fibres. They will be able to relate the right finishes for the fabric depending on its fibre content and end use.

2. TEACHING AND EXAMINATION SCHEME:

SEMESTER I									
Course Code & Course Title	**Periods/ Week (In Hours)**			**Total Credit**	**Examination Scheme**				
					Theory Marks		**Practical Marks**		**Total Marks**
TEXTILE FIBRES GA104	**L**	**T**	**P**	**H**	**TH**	**TM**	**TW**	**PR/ OR**	**100**
	4	-	1	5	75	25	-	-	

3. COURSE OUTCOMES:

On successful completion of the course, the students will be able to;

1. Classify, identify, recognize and distinguish different types of fibres ,i.e natural and synthetic.
2. Recall, discuss the physical and chemical properties of textile fibers.
3. Explain and identify different textile fibers.
4. Recall and recognize textile finishes and discuss recent developments in textile fibers .

4. Mapping Course Outcomes with Program outcomes

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline Specific Knowledge	Problem Analysis	Design and Devlopment of Solutions	Engg. Tools, Experimentation& Testing	Engg. Practices for Society,Sustainability & Environment	Project Management	Life -long Learning
CO1	3	1	1	1	1	0	3
CO2	3	0	0	2	1	2	2
CO3	3	2	0	2	1	0	2
CO4	2	2	1	2	1	2	3

Relationship: 1: Slight(Low) 2: Moderate (Medium) 3: Substantial (High)

	PSO1	PSO2
CO1	2	2
CO2	1	1
CO3	3	3
CO4	2	2

5. DETAILED COURSE CONTENTS/ MICRO LESSON PLAN

M= Marks	Thr = Teaching hours	CO= Course Objectives	M	Thr/Pr	CO	Levels
Unit 1 INTRODUCTION AND CLASSIFICATION OF FIBERS. REQUISITES OF FIBRES			**10**	**6/2**	**1**	**1,2**
Unit 2 NATURAL FIBERS: **Introduction & types of fibers.** 2.1) Cellulosic fibers: - Cotton, jute,& linen. Origin, cultivation, manufacturing/ extracting process through flow chart, important properties and uses. -Minor vegetable sources & uses: Kapok, Pina, Banana, Hemp, and Bamboo in brief. -Recent development in cellulosic fibers:- information &assignment 2.2 Animal fibers:- Major fibers wool and silk. Origin, cultivation, manufacturing/ extracting process through flow chart. Important properties and uses. Minor animal fibers: Types (Mohair, camel, Alpaca, Goat), information in brief.			**25**	**24/4**	**1,2**	**1,2**

Recent development in animal fibers: - assignment & information. 2.1 Mineral fibers: Glass & asbestos in brief.				
Unit 3 MANMADE FIBERS-REGENERATED,SYNTHETIC: 3.1 Viscose Rayon and Acetate. 3.2 Manufacturing processes through flow chart, important properties and uses. 3.3 Nylon, Polyester and Acrylic. 3.4 Synthesis of fibers, through flow chart, properties and uses of fibers.	**15**	**20/2**	**1,2**	**1,2**
Unit 4 IDENTIFICATION OF TEXTILE FIBERS: 4.1 Non Technical tests: Feeling and burning tests-introduction its limitations 4.2 Technical tests: - Microscopic test and Chemical test. Introduction, method of testing in laboratory	**10**	**10/4**	**1,3**	**1,2,3**
Unit 5 TEXTILE FINISHES : Introduction, classification of finishes definition & use.**:** 4.1 Preparatory finishes: Examples, singeing, gassing, and bleaching. 4.2 Stabilizing finishes: Mercerizing, Shrinkage, fulling, Decating . 4.3 Textural finishes: method and examples: Temporary/permanent stiffening, weighing, calendaring, embossing, raising, napping, shearing, crinkle and crepe effect. 4.4 Functional finishes: Examples: water repellency, wrinkle resistance, water proofing, , flame retardant, moth proofing, anti-bacterial, antistatic wash and wear finish. 4.5 Recent development in fabric/textile finishes based on current research.	**15**	**20/4**	**3,4**	**1,2,3**
Total	**75**			

6. COURSE DELIVERY:

The Course will be delivered through lectures, class room interactions, exercises, practicals and case studies.

7. SPECIFICATION TABLE FOR THEORY/ MACRO-LESSON PLAN

Unit No	Unit	Number of lectures	Marks
1	**I**ntroduction and classification of fibers. requisites of fibres	6	10
2	Natural fibers	24	25
3	Manmade fibers- regenerated, synthetic**,**	20	15
4	Identification of textile fibers	10	10
5	Textile finishes	20	15
	Total	64	75

8. SPECIFICATION TABLE FOR TERM WORK & PRACTICALS HOURS

No	Practical	Marks
1.	Practical Title	
1.	Classification of textile fibres Collect different fibres natural and manmade and try to identify them	
2.	Germination of cotton seeds and know the soil and climate needed for its growth	
3.	To draw the chart of Life cycle of silk worm and understand its va+rious stages	
4.	To draw and understand the process of melt, dry and wet spinning process	
5.	Identification of textile fibres by microscopic tests	
6.	Identification of textile fibres using chemical tests	
7.	Collect and identify various finshes of fabrics	
		NIL

9. LEARNING RESOURCES

Text Books

Sr.No.	Author	Title	Publication and Year
1.	Norma Hollen, Jane Saddler, Anna L. Langford, Sara J. Kadolph	Textiles- 6th Edition	Mac Millan Publishing Co.,New York 866, 3rd Avenue N.Y-10022
2.	A.J. Hall	The Standard Book of Textiles	Butterworths Publication
3.	Bernard P. Cobman-	Textiles- Fibre to Fabric	Gregg Division Mc Graw Hill Book Co.
4.	Susheela Dantyagi,	Fundamentals of Textiles & their Care	Orient Longman Ltd,,1/27 Asaf Ali Road, New Delhi 11002
5.	Dr. V.A. Shenai	Textile Fibres – Techniques of textile processing	Latest

DIPLOMA IN GARMENT TECHNOLOGY
SYLLABUS FOR IInd SEMESTER

BOARD OF TECHNICAL EDUCATION, GOA STATE
PROGRAMME STRUCTURE FOR DIPLOMA IN GARMENT TECHNOLOGY
GOA STATE
Duration of Programme

Semester II

Course Code	Name of Course	TEACHING SCHEME				EXAMINATION SCHEME				Total Marks
		L	T	P	H	Theory Marks		Practical Marks		
						TH	TM	Pr/Or	TW	
GA 201	TEXTILE DESIGNING	01	-	05	06	-	-	75(Pr)	50	125
GA 202	CHILDRENS GARMENTS	-	-	05	05	-	-	75 (Pr)	50	125
GC 203	ENVIRONMENTAL SCIENCE	04	-	-	04	75	25	-	-	100
GA 203	COLOUR AND GARMENT DESIGN	-	-	06	06	-	-	75(Pr)	50	125
GA 204	SURFACE ORNAMENTATION	-	-	04	04	-	-	50 (Pr)	50	100
	TOTAL	**25**								**700**

Legends:
TH – Theory Head
TM – Test Marks
PR/OR - Practical/ Oral
TW - Term Work

(GA201) TEXTILE DESIGNING

1. COURSE OBJECTIVES:

The students will be able to understand the difference between woven and printed designs. They will learn the different motifs, textiles and saris of India. They will learn the art of textile designing by understanding various classes of textile designs. They will also get familiar about the various techniques of textile designing. They will understanding the basic difference between self woven, printed and dyed fabrics. They will identify the various design, dyeing & printing techniques. They will be able to design new prints with the help of the knowledge gained. They will be able to distinguish between the different designs used in textile for application.

2. TEACHING AND EXAMINATION SCHEME:

SEMESTER II									
Course Code & Course Title	**Periods/ Week (In Hours)**			**Total Credit**	**Examination Scheme**				
					Theory Marks		**Practical Marks**		**Total Marks**
TEXTILE DESIGNING (GA201)	**L**	**T**	**P**	**H**	**TH**	**TM**	**TW**	**PR/ OR**	**125**
	1	-	5	6	-		50	75	

3. COURSE OUTCOMES:

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

1. Recognize and categorize different classes of prints of textile fabrics.
2. Create; modify prints on fabrics using different design techniques of printing and dyeing for surface ornamentation.
3. Create and design different ethnic motifs from regional point of view and analyze cultural and aesthetic trends on textile surface design.
4. Differentiate and identify various Indian sarees in terms of weaves and prints.

4. Mapping Course Outcomes with Program outcomes

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline Specific Knowledge	Problem Analysis	Design and Devlopment of Solutions	Engg. Tools, Experimentation& Testing	Engg. Practices for Society,Sustainability & Environment	Project Management	Life -long Learning
CO1	3	0	1	0	0	0	3
CO2	3	0	2	2	1	2	3
CO3	2	0	1	2	1	1	3
CO4	2	0	1	0	0	2	3

Relationship: 1: Slight(Low) 2: Moderate (Medium) 3: Substantial (High)

	PSO1	PSO2
CO1	2	3
CO2	2	2
CO3	3	1
CO4	2	2

5. DETAILED COURSE CONTENTS/ MICRO LESSON PLAN

M= Marks	Thr = Teaching hours	CO= Course Objectives	M	Thr/ Pr	CO	levels
Unit 1 INTRODUCTION TO TEXTILE DESIGN: 1.1 Textile designing and its importance. 1.2 Role of a textile designer and skills needed. 1.3 Basic difference in printed fabrics and woven fabrics. 1.5 Collect and understand different types of surface design fabrics (woven, knitted, non-woven etc)			**05**	**2**	**1**	**2**
Unit 2 MOTIFS, LAYOUTS AND REPEATS 2.1 Understanding motifs, different motifs. Motifs in relation to Indian States 2.2 Layouts: -Understanding and Importance of layouts 2.3 Spaced, closed, non-directional one directional, two directional, tossed, landscape, handkerchief and border layout. 2.4 Repeats: - understanding an importance of repeats.			**15**	**4**	**1,3**	**1,2,3**

2.5 Square and Half drop repeat				
Unit 3 TYPES OF DESIGNS 3.1 Floral: Bamboo, stylised, calico, liberty etc 3.2Geomtric:foulards, abstract, stripes, plaids, stars, polka dots etc 3.3 Conversational :mythological, nursery, patchwork, etc. 3.4 Ethnic: varli, paisley,ethnic prints of certain regions around the world.	**20**	**5**	**1, 2**	**3,4**
Unit 4. PRINTING & DYEING TECHNOLOGY AND SPECIAL DESIGNING TECHNIQUES: 4.1 Explain and understand the process of screen printing, roller printing, block and stencil printing., Vegetable printing 4.2 Spatter, stippling, mandala, sponging and dry brush techniques. All designs to be reproduced on fabrics or paper. 4.3 Different types of folds used in dyeing, using natural dyes create samples. Understanding different dyeing techniques.	**15**	**2**	**3**	**1,2,3**
Unit 5 SARIS AND PAINTED TEXTILES OF INDIA 3.2 Traditional Woven designs: - Ekat, brocade, jacquard designs 3.3 Designs on Indian saris: - Pochampalli, Bandhani, Paithani, Manipuri, Kanjeevaram, Jamdhani. Irkal,Banarasi, Sungudi, Sambalpuri, (collect samples and reproduce any 3) 3.4 Painted textiles of India: kalamkari, and madhubani .	**20**	**3**	**3**	**1,2**
Total	**75**			

6. COURSE DELIVERY:

The course will be delivered through lectures, classroom interactions, excercises and case studies.

7. SPECIFICATION TABLE FOR THEORY/ MACRO-LESSON PLAN

UNIT NO.	UNIT	Number of lectures	Marks
1.	**INTRODUCTION TO TEXTILE DESIGN**	**2**	
2.	**MOTIFS, LAYOUTS AND REPEATS**	**4**	
3.	**TYPES OF DESIGNS**	**5**	
4.	**PRINTING TECHNOLOGY AND SPECIAL DESIGNING TECHNIQUES**	**2**	
5.	**SARIS AND PAINTED TEXTILES OF INDIA**	**3**	
		16	**nil**

Student will be given assignments based on each topic and sub- topic to be maintained in a journal.
Student will have to develop their own designs on fabrics, paper and show their creativity, skills and applicability.
Students will have to collect study and understand different types of fabric with surface designs.

8. LEARNING RESOURCES:

Text Books

Sr.No.	Author	Title	Publication and Year
1.	Carol Joyce	Textile design: The complete guide to printed textiles for apparel and home furnishings.	Latest
2.	K. Prakash	Impressions A Classic collection of Indian Textile Designs	Latest
3.	K. Prakash	Textile Designs Traditional & Floral	Latest
4.	L. Haden Guest	Indian Ethnic Textile Designs	Latest
5.	Alex Russell	Fundamentals of Printed Textile design	Latest
6.	Susan Meller	Textile designs	Latest

(GA202) CHILDREN'S GARMENTS

1. COURSE OBJECTIVES:

The students will able to learn, develop skills and knowledge of making children's Garments. They will be able to understand fabrics, prints and colours suitable for children's garments. They will learn about the different trimmings. They will be to stitch garment parts suitable for children's garments. They will be able to design new patterns, calculate the correct fabric consumption, and construct the same. They will learn to stitch suitable garments as per the age group.

2. TEACHING AND EXAMINATION SCHEME

Semester	**II**								
Course code & course title	**Periods/Week (in hours)**			**Total Credits**	**Examination Scheme**				
					Theory Marks		**Practical Marks**		**Total Marks**
	L	**T**	**P**	**H**	**TH**	**TM**	**TW**	**PR/OR**	
(GA202) CHILDREN'S GARMENTS	**-**	**-**	**05**	**05**	**-**	**-**	**50**	**75**	**125**

3 . COURSE OUTCOMES:

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

1. Identify and classify different fabrics and trimmings suitable for children's garments.
2. Construct and use tucks, ruffles, yokes and pockets on garments.
3. Drafts and construct various patterns.
4. Assemble different parts of the garment and stitch it.

4. Mapping Course Outcomes with Program Outcomes

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline Specific	Problem Analysis	Design and Devlopme	Engg. Tools, Experime	Engg. Practices for Society,Su stainabilit	Project Managem ent	Life -long Learning
CO1	3	2	3	1	1	2	3
CO2	3	2	2	1	1	2	3
CO3	3	2	2	2	1	2	3
CO4	3	2	3	2	1	3	3

Relationship : Low-1 Medium-2 High-3

	PSO1	PSO2
	Rearch and Development	Satisfy Customer Needs
CO1	2	1
CO2	2	2
CO3	3	2
CO4	2	2

5. DETAILED COURSE CONTENTS / MICRO-LESSON PLAN

M = Marks	**Thr = Teaching hours**	**CO = Course Objectives**

Unit	**M**	**Thr/ Pr**	**CO**	**Level**
1 INTRODUCTION & BASIC BODICE		**04**	**1**	**1**
1.1 Basic bodice blocks for infants, toddlers, Pre- school children & school going children.				
1.2 Choosing of children's fabrics, prints, embellishments, trimmings on children's garments.				
2 INFANT/ NEW BORN BABY CLOTHES		20	**2**	**1,2**
2.1 Drafting & stitching of a **Zabla**, **Wrapper (**2-Plain With printed facing and Printed Flannel fabric with bias binding finish) & **Nappy**(Square and Shaped) and embellish the infant clothes suitably.				
3 BABY DRESS & ELASTICATED BLOOMER		16	**2**	**1,2,3**
3.1 Drafting of a baby dress for a toddler with round/straight yoke and gathered/ pleated A-line bodice. Yoke will be embellished with tucks and hemline finished with a ruffle/ frill of lace & ribbon trimmings.				
3.2 Waistline of bloomer will be finished with an inch of elasticized shirring.				
4 BOYS BUSH-SHIRT & SHORTS:- (PRE-SCHOOLER)		20	**2**	**2,3,4**
4.1 Drafting & stitching boys bush-shirt with patch pocket.				
4.2 Drafting and stitching of boys shorts with back elasticised and front hip pocket.				
5 PARTY DRESS WITH PUFF SLEEVES/ BELL CIRCULAR FLOUNCE.		20	**3**	**2,3,4**
5.1 Drafting & Stitching of a party dress with bodice up to waistline or low waist with gathered/ circular skirt with net/ can- can underskirt & embellished suitably.				
Total		**96**	**-**	

6. COURSE DELIVERY:

The Course will be delivered through lectures, class room interactions, exercises and case studies.

7. SPECIFICATION TABLE FOR TERM WORK & PRACTICALS HOURS

No	Practical	Marks
1.	A market/Internet study will be done by the student on various fabrics, prints, embellishments and trimmings used on Children's garments (i.e. infants, toddler, pre-schooler, school going).	
2	Basic bodice block full size with sleeves will be made by students and recorded in journal (infants, toddler, pre-schooler, school going).	
3	Drafting and stitching of embellished zabla.	
4	Stitching of wrapper, nappy and embellishing wrapper.	
5	Drafting & stitching of cotton baby dress for toddler with round/ straight yoke, gathered/ pleated A-line bodice and yoke embellished with tucks and hemline finished with ruffle/frill of lace and ribbon trimming	
6	Drafting & stitching of bloomer finished with elasticized shirring	
7	Drafting & stitching of boy's bush shirt with patch pocket for pre-schooler.	
8	Drafting & stitching of boy's shorts with back elastic and front hip pocket.	
9	Drafting & stitching of the Party dress well embellished & finished; Designing	
	Practical work will include working on samples prescribed in the syllabus. All the samples will be marked on the basis of work done in class. A journal will be maintained of class work and marked for 10marks under internal assessment; the division of 10 marks is as follows; Attendance- 01 mk, punctuality in submission- 01 mk, neatness & Presentation of work – 03 mks and Completion of journal- 05 mks. The remainder of the PPA i.e. 40 mks will include regular class work.	

8. LEARNING RESOURCES

Text Books

S. No.	Author	Title of Books	Publishers
1	Winifred Aldrich,	Metric Pattern Cutting for children's wear	Blackwell Science
2	Bay Books	The Best of Easy Sewing for Tiny Tots	Harpu colliers publishers
3	Gloria Mortinu	Pattern Design for Children's Clothes	Darn B. T. Batsford Ltd. London

(GC203) ENVIRONMENTAL STUDIES

1. COURSE OBJECTIVES :

The students will be sensitized towards the need to protect and conserve Planets Natural resources and biological support systems & Strive to live in harmony with nature. Develop an attitude of concern for the environment. Choose environmentally friendly options for sustainable development.

2. TEACHING AND EXAMINATION SCHEME

Semester II									
Course code & course title	**Periods/Week (in hours)**			**Total Credits**	**Examination Scheme**				
					Theory Marks		**Practical Marks**		**Total Marks**
GC203 Environmental Studies	**L**	**T**	**P**	**H**	**TH**	**TM**	**TW**	**PR/OR**	
	04	**-**	**-**	**04**	**75**	**25**	**-**	**-**	**100**

3. COURSE OUTCOMES:

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

1. Understand the importance of Natural resources & Biological support systems and hence the need for their conservation.
2. Identify the sources and effects of various forms of pollution.
3. Examine the impact of human intervention on environment.
4. Choose environmentally friendly options for sustainable development.

4. Mapping Course Outcomes with Program Outcomes

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline Specific Knowledge	Problem Analysis	Design and Devlopment of Solutions	Engg. Tools, Experiments etc.	Engg. Practices for Society,Sustainability	Project Management	Life -long Learning
CO1	2	1	1	0	2	1	2
CO2	1	2	1	0	2	1	2
CO3	2	2	1	0	3	2	2
CO4	2	2	1	1	3	2	3

Relationship : Low-1 Medium-2 High-3

	PSO1	PSO2
CO1	02	02
CO2	01	-
CO3	01	-
CO4	03	02

5. DETAILED COURSE CONTENTS / MICRO-LESSON PLAN

M = Marks	**Thr = Teaching hours**	**CO = Course Objectives**			
Unit			**Mks**	**Thr**	**CO**	**Levels**
UNIT 1.0 : Multidisciplinary Nature of Environmental Studies			**09**	**05**	**1,4**	**1,2,3**
1.1 Environmental studies : Definition , Scope and Importance						
1.2 Need for Public Awareness						
1.3 Environment & Human Health						
1.4 Environmental Ethics						
1.5 Value Education						
1.6 From Unsustainable to Sustainable Development : Concept and Guidelines						
1.7 Concept of Environmental Audit (EA) Environment Impact Assessment (EIA)						
1.8 Ecological Foot Prints						
UNIT 2.0 : ECOSYSTEM AND BIODIVERSITY			**15**	**09**		
2.1 Ecosystem 2.1.1Concept, Structure & functions of ecosystem (Function of producer, consumer and decomposer) 2.1.2 Food chain & Food web- Concept & Examples 2.1.3 Energy flow in Ecosystem 2.1.4 Ecological Pyramids (Inverted & Upright) Pyramid of Number, Biomass & Energy. 2.1.5 Ecological Succession (Primary & Secondary Succession) 2.1.6 Study of Ecosystem: characteristic features structure and functions) Terrestrial(Forest, Grassland, Desert) Aquatic(Pond, River & Ocean)			06	04	1	1,2,3
2.2 Biodiversity			09	05	1,2	1,2,3

2.2.1 Definition of Biodiversity 2.2.2. Types of Diversity (Genetic, Species & Ecosystem) 2.2.3. Value of Biodiversity (Consumptive , Productive, Social ,Aesthetic Moral & Optional value) 2.2.4 India as a Mega- diversity Nation 2.2.5 Biogeographical classification of India 2.2.6 Extinct, Endangered, Threatened & Endemic Species -Examples (of India) 2.2.7 Threats to Biodiversity (Habitat loss, Poaching of Wild life & Man Wildlife Conflict) 2.2.8 Reasons for loss of Biodiversity 2.2.9 Conservation of Biodiversity (Insitu & Exsitu conservation)				
UNIT 3.0 : NATURAL RESOURCES	**18**	**12**		
3.1 Forest Resource 3.1.1 Direct & Indirect value of Forest 3.1.2 Deforestation-causes & effects 3.1.3 Forest Management **3.2** Water Resource 3.2.1 Water as a scarce Resourc 3.2.2Use and over exploitation of surface and ground water 3.2.3 Need for Water Conservation 3.2.4 Construction of dams- Benefits and draw backs (Rehabilitation & Resettlement of people) 3.2.5 Rain water Harvesting. 3.2.6 Watershed Management 3.2.7 Conflicts over water in India **3.3** Energy Resource 3.3.1 Renewable & Non-Renewable sources of Energy 3.3.2 Growing Energy Needs. 3.3.3 Alternate Source of Energy (Solar ,Wind, Bio, Geothermal, Hydro & Nuclear Energy)	09	06	1,2,3	1,2,3
3.4 Food Resource 3.4.1 Sources of Food 3.4.2 World Food Problems (Undernourishment & Malnourishment) 3.4.3 Changes caused by agriculture & overgrazing 3.4.5 Effects of modern agriculture on environment (use of synthetic fertilizers & synthetic pesticides in agriculture) **3.5** Mineral Resource 3.5.1 Types of Minerals 3.5.2 Use & Overexploitation of Minerals 3.5.3 Environmental Impact of Mining.	09	06	1,2,3	1,2,3

3.6 Land Resource 3.6.1 Pattern of Land Utilization (In India and World) 3.6.2 Land Degradation – Causes & Control Measures				
UNIT 4.0 : ENVIRONMENTAL POLLUTION- Sources , Effects & Control Measures	**24**	**16**		
4.1 Air Pollution 4.1.1 Definition, sources of air pollution(Primary and Secondary air pollutants with examples) 4.1.2 Effects on human health, animals, plants & Materials 4.1.3 Control of Air Pollution. 4.1.4 Removal of Particulate matter 4.1.5 Principles & Application of Control Equipments (Gravity and Inertial Separators, Cyclones, Filters, Electrostatic precipitators, Wet scrubbers) 4.1.6 Removal of Gaseous Pollutants (Combustion, Adsorption, Absorption) 4.1.7 Global Issues Definition, Cause & effects of Green House effect & Global Warming. Ozone layer Depletion, Acid Rain.	06	04	1,2,3,4	1,2,3
4.6 Noise Pollution :- 4.6.1 Definition. 4.6.2 Sources of Noise Pollution 4.6.3 Effects of Noise Pollution on Human health (Noise Induced hearing loss, Physiological & Psychological Effects) 4.6.4 Control of Noise Pollution.	06	04	1,2,3,4	1,2,3
4.7. Nuclear Pollution / Radioactive Pollution:- 4.7.1 Definition 4.7.2. Sources of nuclear Pollution (Natural & Man made) 4.7.3. Effects of Nuclear Pollution 4.7.4. Control of Nuclear Pollution 4.7.5.Disposal of Nuclear waste (Low, Medium & High activity waste) 4.7.6 Nuclear Accidents & Holocaust – case study	06	04	1,2,3,4	1,2,3
4.8 Solid Waste Pollution. Definition: Refuse, Garbage Sources of Solid waste Types of solid waste (MSW, HW, BMW & EW) Effects of Consumerism Segregation of Solid waste at source Treatment of MSW (Open dumping, Land filling, incineration &	06	04	1,2,3,4	1,2,3

composting) Waste Utilization (Reuse, Reclaim & Recycle) Solid waste Management System – Flow sheet diagram **1.9** Role of an Individual in Prevention of Pollution.				
UNIT 5.0 : SOCIAL ISSUES & ENVIRONMENT	**09**	**06**		
5.1 Environmental Legislation Article 47 & Article 51-A(g)of the constitution on Environment. 5.1.1 Protection Functions of Ministry of Environment and Forest Govt. of India Objectives & Functions of Central & state pollution Control Boards Environmental Protection Act. Air (Prevention & Control of Pollution) Act. Water (Preventation & Control of Pollution) Act. Wildlife Protection Act. Forest Conservation Act. Motor vehicle Act.	06	03	**1**	**1,2**
5.2 Social Issues 5.2.1Women & Child Welfare 5.2.2 Role of IT in Environment & Human Health 5.2.3 AIDS 5.2.4 Population Growth & Variation among Nations 5.2.5 Human Rights	03	03	1,4	1,2

6. COURSE DELIVERY:

The Course will be delivered through lectures, class room interactions, exercises and case studies

7. SPECIFICATION TABLE FOR THEORY/ MACRO-LESSON PLAN

Unit No	**Unit**	**Number of lectures**	**Marks**
1	**MULTI-DISCIPLINARY NATURE OF ENVIRONMENTAL STUDIES**	05	09
2	**ECOSYSTEM AND BIODIVERSITY**	09	15
3	**NATURAL RESOURCES**	12	18
4	**ENVIRONMENTAL POLLUTION**	16	24
5	**SOCIAL ISSUES & ENVIRONMENT**	06	09
	Total	48	75

8. LEARNING RESOURCES

Text Books

S. No.	Author	Title of Books	Publishers
1	Erach Bharucha	Textbook of Environmental Studies	Universities Press (India) Private Ltd.
2	Dr. Suresh K. Dhameja	Environmental studies	S.K. Kataria & Sons
3	Y. Anjaneyulu	Introduction to Environmental Science	B.S Publications
4	S. Deswal & A. Deswal	A Basic Course in Environmental Studies	Dhanpat Rai & Co.
5	P. Meenakshi	Elements of Environmental Science and Engineering	Prentice Hall of India (PHI)

Reference Books for further study

S. No.	Author	Title of Books	Publishers
1	Pandya and Camy	Environmental Engineering	Tata McGraw Hill
2	Asthana D.K. and Asthana Meera	Environmental Problems and Solutions	S. Chand & Co.
3	Gilbert M. Masters	Introduction to Environmental Engineering and Science.	Prentice Hall of India (PHI)
4.	M N Rao & HVN Rao	Air Pollution	Tata McGraw Hill

(GA203) COLOUR AND GARMENT DESIGN

1. COURSE OBJECTIVES:

The students will develop knowledge and skills about colour combinations and their effects on various garments to promote through use of colour an aesthetic appeal to effectively communicate a design message of the garment world. They will learn the colour theory which allows for the communication of a design, both visually and psychologically. They will be able to gain an understanding into various important aspects like colour wheel, colour schemes and colour palettes and their application on garments. They will be able to identify colour and design choices and to reinforce the message of ones design aims that need to be communicated. They will be able to create sustainable and viable garment designs with a twist of uniqueness.

2. TEACHING AND EXAMINATION SCHEME:

SEMESTER II									
Course Code & Course Title	**Periods/ Week (In Hours)**			**Total Credit**	**Examination Scheme**				
					Theory Marks		**Practical Marks**		**Total Marks**
(GA 203) COLOUR AND GARMENT DESIGN	**L**	**T**	**P**	**H**	**TH**	**TM**	**TW**	**PR/ OR**	**125**
	-	-	6	6	-	-	50	75	

3. COURSE OUTCOMES:

On Successful Completion of the course, Students will be able to:

1. Students will be able to identify terms using the academic vocabulary of the discipline.
2. Students will learn to identify various garment parts and learn to associate them with their individual names.
3. Knowledge gained will enable the student to create different colour combinations for a variety of garments.
4. Produce illustrations using the technical know how of garment parts. .

4. Mapping Course Outcomes with Program Outcomes

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline Specific Knowledge	Problem Analysis	Design and Devlopment of	Engg. Tools, Experimentation &	Engg. Practices for Society,Sustainabilit	Project Management	Life -long Learning
CO1	2	0	0	1	0	0	3
CO2	3	0	1	1	0	1	2
CO3	1	2	2	1	1	1	3
CO4	1	2	3	1	1	1	2

Relationship : Low-1 Medium-2 High-3

	PSO1	PSO2
CO1	0	1
CO2	2	2
CO3	3	3
CO4	2	2

5. DETAILED COURSE CONTENTS/ MICRO LESSON PLAN

M = Marks	**Thr = Teaching hours**	**CO = Course Objectives**			
Unit			**M**	**Thr/ Pr**	**CO**	**Levels**
1 UNIT: COLOUR CONCEPTS:				**22 hrs**	**1,2, 3**	**1,2, 3**
1.1 Dimensions of Colour- Terminologies used to describe colours (hues, value, intensity, tones, saturation etc.)						
1.2 Colour palettes a)Tints and Shades b)Grey Scale c)Neutrals d)Warm and Cool Colours e)Pastels f)Neon and Bright Colours g)Dark and Deep Colours						
1.3 Colour Schemes (achromatic, monochromatic, analogous , complimentary, split complimentary, double split complimentary, triads, tetrads etc)						

Unit 2 GARMENT PARTS		**28 hrs**	**1,4**	**1,3**
2.1 Collars				
2.2 Necklines				
2.3 Cuffs				
2.4 Pleats				
2.5 Pockets				
2.6 Sleeves and sleeve edges				
2.7 Waistlines				
2.8 Skirt Hemlines				
2.9 Trouser Hemlines				
2.10 Yokes				
2.11 Opening on Garments				
3 UNIT: STANDARD UPPER GARMENTS WESTERN AND INDIAN (MALE & FEMALE)		**18 hrs**	**1,3 ,4**	**1,3**
4 UNIT: STANDARD LOWER GARMENTS WESTERN AND INDIAN (MALE & FEMALE)		**18 hrs**	**1,3 ,4**	**1,3**
5 UNIT: DESIGNING BASIC SILHOUETTES		**10 hrs**	**1,2 ,3, 4**	**1,3**
Total		**96**		

6. COURSE DELIVERY:

The Course will be delivered through lectures, class room interactions, exercises and case studies.

7. SPECIFICATION TABLE FOR TERM WORK & PRACTICALS HOURS

No.	**Practical**	**Marks**
1	Creating the various dimensions of colour and its relevance in costume design. Identifying through magazine cut outs the dimensions of colour as is seen or used on garments.	
2	Creating various Colour palettes as per list given	

3	Using the colour wheel to create the various colour schemes.	
4	Illustrating the various garment parts:- Collars Necklines Cuffs Pleats Pockets (Collage to be done in each section and Sleeves Skin tone and outline to be done on all Waistlines basic illustrations.) Skirt hemlines Trouser Hemlines Yokes Openings and Fasteners on garments	
5	Standard Upper garments- Male, Female and Unisex garments.	
6	Standard Lower garments- Male, Female and Unisex garments.	
7	Designing Basic Silhouettes- Using knowledge on the various garment parts learnt, designing 3-4 garment silhouettes and applying colour to create unique designs, for both males and females.	
	Total	
No.	**Classroom Assignments**	**Marks**
1	At least 10 covering all units above	**50**
No.	**Tutorial Exercise**	**Marks**
1		
	Total	

8. LEARNING RESOURCES

Text Books

S. No.	Author	Title of Books	Publishers
1.	Edited by Trevor Lamb & Janine	Colour, Art and Science –Boumau	Latest
2	Kathryn Kelvey	Fashion Source Book	Blackwell Science
3	Georgira O'Hara-	The Encyclopedia of Fashion	Thames & Hudson Ltd.
4.	Elizabeth Rouse	Understanding Fashion	BSP professional books
5.	Josef Alber	Interaction of colour	Latest
6.	Johann Wolfgang von Goethe	Theory of Colour	Latest
7.	Anna Kiper	Fashion illustration: Inspiration and Techniques	Latest

(GA204) SURFACE ORNAMENTATION

1. COURSE OBJECTIVES:

Students will be able to learn the different types of Embellishments on Garments
They will be to create better garments by applying a variety of Surface Ornamentations. They will be able to learn & practice embroidery. They will be able to embellish garments & accessories using different techniques. They will be abe to create new designs in embellishing. They will be able to choose suitable embellishing for fabrics and garment styles.

2. TEACHING AND EXAMINATION SCHEME:

SEMESTER II									
Course Code & Course Title	**Periods/ Week (In Hours)**			**Total Credit**	**Examination Scheme**				
					Theory Marks		**Practical Marks**		**Total Marks**
(GA 204) SURFACE ORNAMENTATION	**L**	**T**	**P**	**C**	**TH**	**TM**	**TW**	**PR/OR**	**100**
	-	-	4	4	-	-	50	50	

3. COURSE OUTCOMES:

On Successful Completion of the course, Students will be able to:

1. Identify different types of embroideries & embellishments from different parts of India.
2. Understand the different types of Surface Ornamentations that can be applied.
3. Work on a variety of embellishments thereby improving their designs.
4. Decide the suitability of a type of embellishing to available fabric & planned design.

4. Mapping Course Outcomes with Program outcomes

	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline specific	Problem Analysis	Design/ Development of	Engineering tools, Experimentation and	Engineering practices for society,	Project management	Life long learning
CO 1	2	-	2	1	2	1	2
CO 2	2	-	1	2	3	2	3
CO 3	1	2	3	2	1	1	1
CO 4	2	3	3	2	2	-	2

Relationship: 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

	PSO1	PSO 2
	Research & Development in Design	Satisfy Customer Needs
CO 1	1	1
CO 2	3	3
CO 3	3	2
CO 4	2	2

5. DETAILED COURSE CONTENTS/ MICRO LESSON PLAN

M= Marks	**Thr = Teaching hours**	**CO= Course Objectives**	**M**	**Thr/Pr**	**CO**	**Levels**
Unit 1: TOOLS & EQUIPMENTS IMPORTANCE & TYPES OF EMBELLISHMENT:				**04 hrs**	**1,2**	**1**
1.1 Introduction to Tools Needles, threads, scissors, trimmers, pencils, frames & other materials suitable for embellishing.						
1.2 IMPORTANCE & TYPES OF EMBELLISHMENT: Introduction and importance of various embellishments.						
Unit 2: SUITABLE MOTIFS:				**04 hrs**	**3**	**1,2,3**

1.1 Choice of motif for embroidery.				
1.2 Enlarging and reducing motifs for embroidery.				
1.3 Transferring designs or motifs on to fabrics by using Tracing paper, tracing wheel, Carbon & Rub off method.				
Unit 3 BASIC HAND, MACHINE & COMPUTERIZED EMBROIDERY		**10 hrs**	**1,2,3**	**1,2,3**
3.1 Basic embroidery stitches: Running stitch, double running, threaded running stitch, back stitch, stem stitch, basic blanket stitch, button hole stitch, basic chain, lazy daisy stitch, basic couching stitch, herringbone stitch, cross stitch, feather stitch, open Cretan, Rumanian stitch, fly stitch, seeding, French knot, bullion, satin (basic, slant & padded), and long & short stitch.				
3.2 Machine stitches: Use of fashion maker for different available stitches including edgings. Free machine embroidery: Textured stitches based on free running stitch, drawing with needle, free zigzag stitch, couched, thread with looper, eyelets, whip-stitch and its variations. Free cable stitch, free-cut work with lace filling, open work, free machine lace and its variations.				
3.3 Computerized Machine Embroidery: Concepts of creating design, digitizing designs using software and working with motifs. Students can visit a local computerized machine embroidery unit to study the same.				
Unit 4 INDIAN EMBROIDERY		**20 hrs**	**1,2,3,**	**1,2,3**
Study of embroideries, stitches, threads used, colours, motifs, fabrics etc. from different states of India like Kashida of Kashmir, Kantha of Bengal, Manipuri from Manipur, Chamba rumals from Himachal Pradesh, Phulkari of Punjab, Chikan kari from Uttar Pradesh, Kasuti from Karnataka, Kutch from Gujrat, Kathiawar from Sindh, Zari and Zardozi will be studied.				
Unit 5 TYPES OF SURFACE ORNAMENTATIONS		**10 hrs**	**1,3,4**	**3,4**

a. Using machine: Patchwork- types and method of construction, ready ribbons, braids and other trimmings (application). b. Hand stitching: Appliqué- types and methods, c. Zari/zardosi- types and methods. Tassels- making & using different techniques and application. d. Beads and Sequences: types of beads and sequences. e. Ribbons, Braids, tassles & other new concepts in embellishing				
Total				

6. COURSE DELIVERY:

The course will be delivered through lectures, classroom interactions, exercises and case studies.

7. SPECIFICATION TABLE FOR TERM WORK & PRACTICAL HOURS

No.	Practical Title	Marks
1	A brief description along with pictures of the various tools and equipment used along with fabrics, thread etc. will be recorded in the journal.	**10**
2	Sheets will be made of enlarging and reducing a motif as well as different ways of transferring a motif.	**10**
3	A checkered 24 x 24cms rectangle consisting of 2cms x 2cms blocks may be created with running stitches and alternate blocks may be with all the basic stitches. 6 samples using a combination of stitches learnt or alternately an article like; dressing table set/cushion covers/dress yoke/belt/scarf can be embroidered using several combinations of stitches as a self study home assignment.	**60**
4	Students will choose any 5 different Indian embroideries to work on as samples of 15cms x 15cms.the remaining stitches and embroideries will be demonstrated and worked on as a project.	**50**
5	24x24cms sample of types of machine stitches	**20**
6	12 cms X 12cms sample of patchwork	**10**
7	12 cms X 12cms sample of zari work	**10**
8	Smocked sample using dotted/checked fabric.	**10**
9	Embellishing ready garments using ribbons, braids etc. by creating their own design.	**10**
10	Survey of new trends and materials used for ornamentation.	**10**

	Assignments of 200 are then totalled & divided by 200& multiplied by 20. Additional 3 marks for Journal , 1 for submitting on time & 1 for Class performance =Total	**25**
No.	**Classroom Assignments**	**Marks**
1	At least 10 covering all units above	
2		
No.	**Tutorial Exercise**	**Marks**
1	At least 10 problems on each unit given above	
2		
	Total	**25**

8. LEARNING RESOURCES

Text Books

Sr.No.	Author	Title	Publication and Year
1.	Mildred Groves	The complete Encyclopedia of Stitchery	Ryan, Adams Publishing
2.	Julia Barton and others	The Merhust Book of Needlework	Merhorst Ltd. London
3.	Readers Digest	The complete Guide to Needle Work	Latest
4.	Anne Mouelle B.T.	The Techniques of Indian Embroidery	Batsford Ltd Fitzharhinge Street, London with Oah
5.	Thomasina Beck	The Embroiderer's story- Needlework from the Renaissance to the present day	David & Charles, Brunel House, Newton Abbott, Devon
6.	Caroline –	World embroidery- 25 Original Projects from traditional Designs	David & Charles, Brunel House, Newton Abbott, Devon.
7.	J. Beaney & J. Littlejohn	Creative Embroidery & Quilting- step by step Techniques Projects & Patterns included	Batsford Fairfax Press Pty Ltd.80-82.

DIPLOMA IN GARMENT TECHNOLOGY

SYLLABUS FOR IIIRD SEMESTER

BOARD OF TECHNICAL EDUCATION, GOA STATE
PROGRAMME STRUCTURE FOR DIPLOMA IN GARMENT TECHNOLOGY
GOA STATE
Duration of Programme

Semester III

Course Code	Name of Course	TEACHING SCHEME				EXAMINATION SCHEME				Total Marks
		L	T	P	H	Theory Marks		Practical Marks		
						TH	TW	Pr/Or	TW	
GA 301	FASHION ILLUSTRATION	-	-	06	06	-	-	75	50	125
GA 302	TEXTILE CONSTRUCTION	03	-	02	05	75	25	-	25	125
GA 303	WOMEN'S PATTERN CONSTRUCTION (INDIAN)	-	-	06	06	-	-	75	50	125
GA 304	INDUSTRIAL GARMENT MANUFACTURE	03	-	01	04	75	25	-	25	125
GA 305	COMPUTER AIDED FASHION DESIGN	-	-	04	04	-	-	50	75	125
GA 306	HISTORY OF WORLD COSTUMES & FASHION	01	-	03	04	-	-	75	50	125
	TOTAL				**29**					**750**

Legends:
TH – Theory Head
TM – Test Marks
PR/OR - Practical/ Oral
TW - Term Work

(GA301) FASHION ILLUSTRATION

1. COURSE OBJECTIVES:

The students will able to illustrate fashion figures and garments. They will understand the importance of Fashion Illustration in Fashion and Design education. They learn to develop the art of quick sketching of clothing items on the human body. They can demonstrate a capacity to present an original aesthetic sensibility to illustration and visual presentation. They develop an approach to illustration that displays accuracy in the finished outcome.

2. TEACHING AND EXAMINATION SCHEME

Semester III									
Course code & course title	Periods/Week (in hours)			Total Credits	Examination Scheme				
					Theory Marks		Practical Marks		Total Marks
(GA 301) FASHION ILLUSTRATION	L	T	P	H	TH	TM	TW	PR/OR	
	-	-	6	6	-	-	50	75	125

3.COURSE OUTCOMES:

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

1. Acquire and integrate relevant technical skills of designing and use of various mediums.
2. Illustrate internal and external garments, develop accuracy and a stylistic approach to the technical sketch work.
3. Illustrate internal and external garment components accurately including attention to detail and understanding representation of dimensional garments on the body.
4. Capture movement of fabric, in the human body, imagine a design idea become reality and see the design concept come alive.

. 4. Mapping Course Outcomes with Program Outcomes

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline Specific Knowledge	Problem Analysis	Design and Devlopment of Solutions	Engg. Tools, Experimentatn&	Engg. Practices for Society,Sustainability &	Project Management	Life -long Learning
CO1	3	1	3	2	0	1	3
CO2	3	2	3	2	0	1	3
CO3	3	0	3	2	0	1	3
CO4	1	2	3	1	0	1	2

Relationship : Low-1 Medium-2 High-3

	PSO1	PSO2
CO1	2	3
CO2	3	3
CO3	2	3
CO4	3	3

5. DETAILED COURSE CONTENTS / MICRO-LESSON PLAN

M = Marks	**Thr = Teaching hours**	**CO = Course Objectives**

Unit	**M**	**Thr/ Pr**	**CO**	**Levels**
1 UNIT: Garment Silhouettes (Male & Female)		**18 hrs**	**1**	**1,2,3, 4**
1.1 Male Western				
1.2 Female Western				
1.3 Male Indian				
1.4 Female Indian				
1.5 Unisex clothing /attire- collage				
2UNIT: Inner Garments (Male & Female)		**16 hrs**	**1,2,3**	**1,2,3, 4**
2.1 Panties & Briefs				
2.2 Brassiers, Bustiers and Corsets.				
2.3 Slips & Vests				
2.4 Night wear (baby doll, nightshirt, house coat and negligee, pyjama suit, boxer, Caftans, shorts & T-shirt etc.)				
2.5 Swim wear(1 pc, 2pc, trunks etc.) Shrugs/robes.				
3 UNIT: Analyzing and Rendering Clothing		**18 hrs**	**1,4**	**1,2,3, 4**
3.1 Analysis and rendering of garment.				
3.2 Analyzing garments both Indian and western (Male, Female Child).				
3.2 Rendering garments both Indian and western (Male, Female Child).				
4 UNIT: Garments for Special Occasions		**10 hrs**	**1**	**1,2,3, 4**
4.1 Festivals and Dances				
4.2 Occupations/Professions				
4.3 Seasons				
4.4 Sports and Adventure				
4.5 Individual Occasion				
5 UNIT: Thematic Representation		**24 hrs**	**1,4**	**3,4**
5.1 Introduction to a theme- translating observations into inspirations.				
5.2 Analyze the design idea .				
5.3 Research the design idea.				
5.4 Represent the idea				
5.5 Mood board and design presentations.				
Total		**96**	**-**	

6. COURSE DELIVERY:

The Course will be delivered through lectures, class room interactions, exercises and case studies.

7. SPECIFICATION TABLE FOR TERM WORK & PRACTICALS HOURS

No	Practical	Marks
1.	Units 1.1 to 1.4 will be illustrated individually by students in their journals.	
	Collages will be prepared by students for each sub unit.	
	Collage for sub unit 1.5 will be created for both male as well a female attire and labeled accordingly.	
2	Units 2.1 to 2.3 will be illustrated by individual student in their journal.	
	Various types of night wear will be taught and identified and collage made of the same..	
	Various types of swim wear will be taught and identified and collage made of the same.	
3	Analysis of various Indian and western garments will be discussed and explained	
	Students will collect ensembles based on themes and identify with the various garments parts associated with each costume (Indian and Western garments for male, female and child).	
	The selected garments will be rendered in various mediums.	
4	Based on the occasion (4.1 to 4.4) students will create 1 mood board in each section and will create garment designs.	
	Students will choose a special occasion for oneself (4.5) and prepare a mood board based on the occasion and will design a costume for oneself.	
5	Collection of at least 3 ensembles inspired from 4 existing themes to be compiled and filed (research)	
	Students will brainstorm for themes	
	Students will create rough sketches and put down ideas on paper after research (analyze)	
	Based on the selected theme student will prepare a mood board and create a collection of at least 5 designs from the selected theme. (represent)	
	Total	50
No	**Class room Assignments**	**Marks**
1	At least 10 covering all units above	
...		
No	**Tutorial Exercise**	**Marks**
1	At least 10 problems on each unit given above	
2		
...	Total	50

8. LEARNING RESOURCES

Text Books

S. No.	Author	Title of Books	Publishers
1.	Georgia O' Hara-	THE Encyclopedia of Fashion	Thames & Hudson Ltd.
2.	Elizabeth Rouse	Understanding Fashion	BSP- Professional Books
3.	Carol A Nunnelly-.	Fashion Illustration School- A complete hand book for aspiring designers and illustrators	Thames & Hudson Ltd

(GA302) TEXTILE CONSTRUCTION

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1. COURSE OBJECTIVES :

The students will able to understand the process involved in making of yarns and fabrics. They will get familiar with the different weaves of fabrics and its end uses. They will gain knowledge on the recent developments in fabric construction. They will be able to understand the spinning process needed for yarn formation. They will be able to differentiate between woven, knits and non-woven fabrics. They will be able to understand the processes involved in making of woven/knitted /nonwoven fabrics.

2. TEACHING AND EXAMINATION SCHEME

Semester III									
Course code & course title	Periods/Week (in hours)			Total Credits	Examination Scheme				
					Theory Marks		Practical Marks		Total Marks
(GA 302) TEXTILE CONSTRUCTION	L	T	P	H	TH	TM	TW	PR/OR	
	3	-	2	5	75	25	25	-	125

3. COURSE OUTCOMES:

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

1. Define spinning and explain the process of ring spinning.
2. Differentiate between woven's, knits and non woven's and be able to identify yarn/fabric construction techniques used in contemporary textiles and analyze how these affect the hand appearance, performance and end uses of textiles.
3. Define knitting and to differentiate between warp & weft knits.
4. Define non woven's, its process and end use and discuss recent developments in fabric construction.

4. Mapping Course Outcomes with Program Outcomes

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline Specific Knowledge	Problem Analysis	Design and Devlopment of Solutions	Engg. Tools, Experimentatn&	Engg. Practices for Society,Sustainability &	Project Management	Life -long Learning
CO1	3	2	0	2	0	2	2
CO2	3	2	1	1	1	2	3
CO3	3	2	0	1	1	1	2
CO4	3	1	1	1	2	2	2

Relationship : Low-1 Medium-2 High-3

	PSO1	PSO2
CO1	2	2
CO2	3	2
CO3	2	2
CO4	1	1

5. DETAILED COURSE CONTENTS / MICRO-LESSON PLAN

M = Marks	Thr = Teaching hours	CO = Course Objectives				
Unit			**M**	**Th/ Pr**	**CO**	**Levels**
1 UNIT: Fibre Construction			**20**	**10**	**1**	**1,2**
1.1 Definition of spinning						
1.2 Conventional ring spinning process from blow-room to ring-frame for cotton						
1.3 Blending, blending of fibres to form blended yarn (Polycot)						
1.4 What is open end spinning						
1.5 Different types of yarns like ply, cable, slub, novelty yarns						
1.6 What is yarn count, fineness of yarn						
Practicals: 1. Collect samples of different yarns and identify them (make a collage) 2 Identifying major spinning units and composite mills in India like Bombay Dyeing, Reliance, Raymond's etc. and briefly studying them.				6		
2 UNIT: Fabric Construction			20	16	**2**	**1,2**
2.1 Definition of weaving, knitting and non- woven						
2.2 Understanding and learning the difference between the 3						
2.3 Parts of the loom- shuttle, healds, heald frame, tappet, dobby, jacquard, reed.						
2.4 Mechanism of the loom namely, shedding, picking and beating.						
2.5 Basic understanding of handlooms, power-looms and auto-looms.						
2.6 What is balance of the cloth, EPI, PPI						

2.7 What is a design, understand and construct Plain weave, Basket weave, and Rib weave and its uses				
2.8 Construct twill weave, right hand twill weave, left hand twill weave, drill and herringbone and its end uses				
2.9 Construct satin weave and its end uses				
2.10 Construct diamond, mockleno and honeycomb and huck -a- back weave and know their end uses				
2.11 What are narrow width fabrics				
2.12 What is a selvedge, its purpose				
Practical: a. Collect samples of wovens, knits and non-wovens. Identify, evaluate and write their applications b. Collect samples of different selvedges and identify c. Understanding the loom mechanism on the table loom practically d. Count and find EPI, PPI, using pick glass of any three different samples of woven fabrics. e. Collect samples of plain weave fabrics like chiffon, matty, voile, georgette, oxford, calico, taffeta, muslin. Twill weave fabrics like denim, drill, chambray, gabardine etc.. f. Satin fabrics, pile, cut- pile like velvet, corduroy, velour, un-cut pile like terrycloth, terry velour. g. Collect samples of Jacquard fabrics like damask, brocade etc. h. Collect samples of narrow width fabrics like woven labels etc. Collect and make a fabric swatch sample file of the above woven fabrics and identify them.		10		
3 UNIT: Knitting Technology	15	10	**3**	**1,2**

3.1 What is Knitting? – Definition				
3.2 What is weft knitting, technical names of fabrics- single jersey, double jersey, what is knit, purl, miss stitch.				
3.3 What is warp knitting, technical names. Raschel and tricot.				
3.4 Difference between warp and weft knits and applications.				
3.5 Major knitting industries in India , their location etc.				
Practical: a. Understand knit, purl, miss stitch, plain knit, face side, reverse side- fabric diagrams. b. Rib fabrics 1x 1, 2x2, 3x3. c. Collect samples and identify.		8		
4 UNIT: Non-wovens		8	**2,4**	**1,2**
4.1 Definition, what is bonding, types of bonding- chemical, thermal, mechanical. 4.2 Web formation techniques Dry laid, Air Laid, Spun Laid, Melt blown web. 4.3 Properties and applications of non- wovens 4.4 Finishing of non- wovens				
Practical: collect non woven samples and identify		6		
5 Unit : Recent Developments of fabric construction:	5	4	**1,2,3 ,4**	**1,2**
5.1 eco friendly textiles, medico textiles, geo textiles				
Practical:. Study on any two developments in textiles.		2		
Total	**75**	**48/ 32**		

Paper Setting criteria:

1. **Examiner will set 9 questions in all**
2. **Q.1 will be compulsory consisting of objective type questions spread over the entire syllabus.**
3. **2 questions from each unit 1, 2, 3, and 4 will be set in the remaining 8 questions.**
4. **Candidates are required to attempt any 5 questions from Q2 to Q9.**

6. COURSE DELIVERY:

The Course will be delivered through lectures, class room interactions, exercises and case studies

7. SPECIFICATION TABLE FOR THEORY/ MACRO-LESSON PLAN

Unit No	Unit	Number of lectures	Marks
1	**Fibre Construction**	14	20
2	**Fabric Construction**	22	20
3	**Knitting Technology**	14	15
4	**Non-wovens**	10	15
5	**Recent Developments of fabric construction**	4	5
	Total	64	75

8. SPECIFICATION TABLE FOR TERM WORK & PRACTICALS HOURS

No	Practical	Marks
1.	Practical Title	
1.	1. Collect samples of different yarns and identify them (make a collage)	
2.	Identify major spinning units and composite mills in India like Bombay Dyeing, Reliance, Raymond's etc. and briefly study them.	
3.	1. Collect samples of wovens, knits and non-wovens. Identify, evaluate and write their applications 2. Collect samples of different selvedges and identify 3. Understanding the loom mechanism on the table loom practically 4. Count and find EPI, PPI, using pick glass of any three different samples of woven fabrics. 5. Collect samples of plain weave fabrics like chiffon, matty, voile, georgette, oxford, calico, taffeta, muslin. Twill weave fabrics like denim, drill, chambray, gabardine etc.. 6. Satin fabrics, pile, cut- pile like velvet, corduroy, velour, un-cut pile like terrycloth, terry velour. 7. Collect samples of Jacquard fabrics like damask, brocade etc. 8. Collect samples of narrow width fabrics like woven labels etc. Collect and make a fabric swatch sample file of the above woven fabrics and identification an its end uses.	
4.	1. Understand knit, purl, miss stitch, plain knit, face side, reverse side-fabric diagrams. 2. Rib fabrics 1x 1, 2x2, 3x3. 3. Collect samples and identification and its end uses	
5.	Collect non woven samples and identification and its end uses	
6	Study on any two developments in textiles	
	Total	25

9. LEARNING RESOURCES

Text Books

S. No.	Author	Title of Books	Publishers
1	Subhash K. Batra	Introduction to non woven's technology	Latest
2	Bernard P. Cobman	Fibre to fabric	Latest
3	Gokarnesan	Fabric structure and design	Latest
4	Grosike	Watsons textile design	Latest

(GA303) WOMEN'S PATTERN CONSTRUCTION (INDIAN)

1. COURSE OBJECTIVES:

The students will able to construct Indian garments for women. They will learn basic block for women. They will be able to manipulate this basic block for women to create new designs and construct the same. They will be able to identify and construct different Indian Garments for women.

2. TEACHING AND EXAMINATION SCHEME

Semester III									
Course code & course title	**Periods/Week (in hours)**			**Total Credits**	**Examination Scheme**				
					Theory Marks		**Practical Marks**		**Total Marks**
(GA 303) WOMEN'S PATTERN CONSTRUCTION (INDIAN)	**L**	**T**	**P**	**H**	**TH**	**TM**	**TW**	**PR/OR**	
	-	**-**	**6**	**6**	**-**	**-**	**50**	**75**	**125**

3. COURSE OUTCOMES:

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

1. Do Manipulation of basic draft in Different designs.
2. Identify different Indian Garments
3. Apply the knowledge to create new designs
4. Analyze and construct Garments based on design.

4. Mapping Course Outcomes with Program Outcomes

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline Specific Knowledg	Problem Analysis	Design and Devlopment of	Engg. Tools, Experimentatn&	Engg. Practices for Society,Sustainability &	Project Management	Life -long Learning
CO1	3	3	3	2	3	2	3
CO2	3	3	3	2	3	3	2
CO3	3	3	3	1	3	3	3
CO4	3	3	3	1	3	2	3

Relationship : Low-1 Medium-2 High-3

	PSO1	PSO2
	Rearch and Development in Design	Satisfy Customer Needs
CO1	2	3
CO2	3	2
CO3	3	3
CO4	3	3

5. DETAILED COURSE CONTENTS / MICRO-LESSON PLAN

M = Marks	**Thr = Teaching hours**	**CO = Course Objectives**

Unit	**M**	**Th/ Pr**	**CO**	**Level**
1 UNIT: Introduction		**04**	**1**	**1,2,3**
1.1 Construction of Basic Bodice and Skirt Block using Standard Measurement. Converting basic into 1/4th scale block.				
2 UNIT: Dart and dart manipulations of bodice and Skirt		24	**1,2**	**2,3**
2.1 i)Bodice one dart transfer to- Arm hole, French dart, center bust line dart ii) Bodice one dart converted in to Two darts- waistline and underarm dart, waist line and shoulder dart, waistline and armhole dart. iii) Bodice one dart converted into three darts-Three darts at waist line, three stitched tucks at shoulder, three tucks at waist line and gathers at waist line and shoulder. iv) Concealment of darts- bodice, armhole princess and shoulder princess.				
2.2 Basic one dart skirt converted into A-Line skirt				
2.3 A-line skirt converted into 4 gore skirt, circular skirt, 6 gore skirt (plain and with flare), trumpet, tulip, front wrap and back flare wrap, straight yoke, round and shaped with pleats, pleated skirt round yoke, flare skirt with yoke				
3 UNIT: Choli - Plain and Katori		20	**1, 2**	**3**
3.1 Construction of a basic choli with 4 darts and yoke by using own body measurements. Front or Back opening, using cotton or blended fabric, option of decorative stitching Unit				
3.2 Drafting, Layout, cutting and Stitching of katori choli by using standard/own measurements and as per vogue.				
4 UNIT: Salwar, Chudidhar , Kurta		24	**1&3**	**3,4**
4.1 Drafting instructions of salwar (modern & plain), patiyala and dhoti. Stitching of any one. Unit				
4.2 Drafting instructions of Chudidhar and Cutting, stitching by using bias bag method, bias layout method.				
4.3 Drafting and construction of basic Kurta with plain sleeve -				

Length of kurta may differ according to the need and vogue.				
5 UNIT:Drafting of Different Indian skirts and Stitching of Full Garment		26	**1 & 3**	**3,4**
5.1 - Drafting of saree petticoat, shararah, lehenga.				
5.2 Design draft and stitch one full Indian garment; Salwar kameez or lehenga choli for a formal occasion				
Total		**96**	**-**	

6. COURSE DELIVERY:

The Course will be delivered through lectures, class room interactions, exercises and case studies

7. SPECIFICATION TABLE FOR TERM WORK & PRACTICALS HOURS

No	**Practical**	**Marks**
1.	Drafting of basic bodice and skirt block by using standard measurements provided and converting it into 1/4th scale measurements	
2	Dart manipulations to be done by using 1/4th scale measurement block of standard block	
3	Concealment of darts to bodice princess using 1/4th scale measurement block	
4	Converting of basic skirt into A-line by using 1/4th scale block. Converting of A-line skirt into different types of skirts as per syllabus	
5	Drafting cutting and stitching of s Choli/ blouse using own measurements and other details as per syllabus	
6	Drafting cutting and stitching of katori Choli with suitable finishes	
7	Drafting cutting and stitching Salwar	
8	Cutting and stitching of chudidhar	
9	Construction of basic kurta /kameez by using one's own body measurements completed with required finishes.	
10	Design draft and stitch one full Indian garment; Salwar kameez or lehenga choli.	
Note	Practical work will include working on assignments prescribed in the syllabus. All the assignments will be marked on the basis of work done in class. A journal will be maintained of class work and marked for 05 marks under internal assessment; the division of 05 marks is as follows; Attendance- 01 marks, punctuality in submission- 01 marks, neatness & Presentation of work – 03 marks. The remainder of the PPA i.e. 45 marks will include regular class work.	
		50

8. LEARNING RESOURCES

Text Books

S. No.	Author	Title of Books	Publishers
1	Natalie Bray,	Dress Pattern Design	Blackwell Science
2	Jeanne Powell & Carol Foley	Pattern Making	Latest
3	Labanya Mazumdar & R.Vatsala (Eds.)	Textbook of Fundamentals of Clothing Construction	Latest Blackwell Science
4	Pamela Stringer	Pattern Drafting For Dress Making	B.T Bats Ford London
5	Zarapkars	Cutting And Sewing	Latest
6	Helen Joseph-Armstrong	Pattern Making for Fashion Design	Latest
7	Padmavati .B.	Techniques of Drafting and Pattern Making	Latest

(GA304) INDUSTRIAL GARMENT MANUFACTURE

1. COURSE OBJECTIVES/RATIONALE

Students will be able to understand the actual working of a Garment Factory. He/She will be acquainted with the Machinery in Garment Factory. The students will be made aware of the jobs available in an Industry. The students will become Quality Conscious. They will be able to make a layout of a line in a Batch system or piece work in a garment factory. They will learn about the different departments in a garment factory. They will acquaint themselves with the Personnel in each department. They will learn about the machinery used in manufacturing Garments in large scale. They will understand the quality Standards followed in Industries.

2. TEACHING AND EXAMINATION SCHEME:

SEMESTER III									
Course Code & Course Title	**Periods/ Week (In Hours)**			**Total Credit**	**Examination Scheme**				
					Theory Marks		**Practical Marks**		**Total Marks**
(GA304) INDUSTRIAL GARMENT MANUFACTURE	**L**	**T**	**P**	**H**	**TH**	**TM**	**TW**	**PR/ OR**	**125**
	3	-	1	4	75	25	25	-	

3. COURSE OUTCOMES:

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

i. Recollect the Personnel, Machinery used & jobs handled
ii. Understand the different Departments in a factory
iii. Make Spec sheets/ Tech Packs, Layouts, Order forms, Packing lists
iv. Plan Orders & Cost garment

4. Mapping Course Outcomes with Program outcomes

	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline specific knowledge	Problem Analysis	Design/ Development of	Engineering tools, Experimentation	Engineering practices for society,	Project management	Life long learning
CO 1	3	0	0	1	1	1	2
CO 2	3	0	0	2	1	1	3
CO 3	2	1	0	3	1	1	3
CO 4	2	3	1	2	0	1	3

Relationship: 1: Slight(Low) 2: Moderate (Medium) 3: Substantial (High)

	PSO1	PSO 2
	Research & Development in Design	Satisfy Customer Needs
CO 1	-	-
CO 2	-	-
CO 3	2	3
CO 4	2	3

5. DETAILED COURSE CONTENTS/ MICRO LESSON PLAN

M= Marks	Thr = Teaching hours	CO= Course Objectives	M	Thr/Pr	CO	Level
Unit 1 Garment classification			**10**	**08 (02 Pr)**	**2**	**2**
Classification based on; 1.1 Construction- Woven & Knit garments.						
1.2 Production- Ready to wear, made to order.						
1.3 Production run- Semi styled , styled and fashion garments.						
1.4 Occasion- Casual wear, formal wear, semi-formal wear,						
1.5 occasional wear, loungewear, sportswear and uniforms.						
1.6 Age- Infant, children, teenage, adult and old age garments.						
1.7 Gender- Men's wear, women's wear, unisex garments.						
1.8 Season- Spring, summer, autumn, rain and winter wear.						
1.9 Closeness to body- Underwear, Innerwear, outwears.						
Unit 2 Manufacturing Systems & Quality Control			**22**	**14**	**1,2, 3**	**1,2, 3**
2.1 Understanding of merchant, manufacturer and job worker. Manufacturing units and job work units.				**(04Pr)**		
2.2 Batch work and Piece work. Advantages and disadvantages. Layout of a line in batch system.						
2.3 Small scale and large scale industry. Advantages & Disadvantages						
2.4 Work study- Time and motion study.						
2.5 Layout of a factory- Difference in the layout of a woven and knit factory.						
2.6 Quality Control. Its definition & objectives of Quality Control. Quality control department and its role. 5 aspects of Quality (producing quality products, checking quality, controlling quality, managing quality& quality assurance)						
2.7 **Quality Standards** -ISO 9000-2001, Six Sigma, Nace-Rap, Quality testing Labs and its role						

2.8 **Inspections-** Different types of inspections (spot, stage, random, final inspection. What is tolerance in inspection. Important points to check for quality in lower and upper garments. What are major/minor defects? Internal & External inspections.				
2.9 **Specification Sheet -**What is spec sheet? How to follow and check specifications- One upper garment & one lower garment.				
Unit 3 Sampling & Stores Section		**06 (04 Pr)**	**1 2, 3**	**1, 2, 3**

3.1 Sampling section/Design section: working and importance of a design section. Types of samples- Regular, Actual, Dummy, Sealer, Size set and Production samples.	**10**			
3.2 Stores and Purchase: Duties of a store keeper. Three main duties of receiving, storing and issuing. Stock level orders: speculative buying. Study of raw materials like fabric, button, thread, interlining including fusing, wadding, lace, braids, elastic, Velcro, shoulder pads, eyelets & lace, zip fasteners & labels. Stores and purchase chart, order form/purchase order.				
Unit 4 Production Department	**23**	**14 (04 Pr)**	**1 2,3**	**1,2, 3**
4.1 Cutting Section: Cutting principles, production process in the cutting room. Planning, Drawing and Reproduction of a marker. Spreading- Manual, machine & computerized. Flat and stepped spread. Cutting- Manual, machine, die pressed and computerized. 4.1.1 **Preparation for sewing-** shade marking, numbering, ticketing, bundling. 4.1.2 **Cutting machines-** Powered shears, Round knife, straight knife, band knife, servo assisted cutting, die cutting, computerized cutting, drills. Cutting loom planning chart.				
4.2 Stitching section 4.2.1 Stitching by hand, sewing machines, mechanized workplaces. 4.2.2 Machinery: Single needle lock stitch machine, double needle lock stitch machine, chain stitch machine, over-lock machine, flatbed, cylindrical and post-bed machine, fusing machines, feed up of arm machine, blind stitch machine, elastic attaching machine, bar tack machine, attachments. 4.2.3Mechanized machines: Chutes, trolleys, straight line conveyor belts, Progressive/ synchro flow conveyors, UPS & QRS.				

4.3 **Finishing & Packing Section** 4.3.1Trimming, Ironing & quality control in Finishing. 4.3.2 packing- Flat pack, semi stand pack & stand pack. Hanger packs, 4.3.3 Packing materials like tags, inner cartons, outer cartons, and poly bags. 4.3..4 Packing charts. 4.3.5 Machines: Buttoning machine, button hole machine. Pressing machines – irons, steam press, carousel under press, steam dolly, tunnel fiches, washing machines for industrial garment wash.				
Unit 5 Office	**10**	**06 (02 Pr)**	**1,2, 3,4**	**1,2, 3**
5.1 **Operations department:** Functions of manufacturer. Personnel in an office. Order concentration, block planning Production planning charts.				
5.2 Marketing Section: Activities of marketing, marketing calendar.				
5.3 Finance section: Budgeting, CMT/labour cost, Garment costing.				
Total	**75**	**48 (16 Pr)**		

6. COURSE DELIVERY:

The course will be delivered through lectures, classroom interactions, exercises and case studies.

7. SPECIFICATION TABLE FOR THEORY/ MACRO-LESSON PLAN

UNIT NO.	UNIT	Number of lectures	Marks
1	**Garment classification**	**08 (02 Pr)**	**10**
2	**Manufacturing Systems & Quality Control**	**20 (04 Pr)**	**22**
3	**Sampling & Stores Section** .	**10 (04 Pr)**	**10**
4	**Production Department**	**18 (04 Pr)**	**23**
5	**Office**	**08 (04 Pr)**	**10**
	Total	**64 (16 Pr)**	**75**

8. SPECIFICATION TABLE FOR TERM WORK & PRACTICAL HOURS

No.	Practical Title	Marks
1	Layout of a line in a batch system (unit 2) (1 hr)	**10**
2	Layout of a factory- woven & knit (unit 2) (1 hr)	**20**
3	Order form (1 hr)	**10**
4	Swatches of raw materials (2 hrs) a)Fabric b) Buttons c)Thread, Lace, Braid, Elastic, eyelets & lace. d) Interlining, Velcro, shoulder pad, zipper.	**40**
5	Stores & Purchase planning chart (unit 3) (1 hr)	**20**
6	Cutting room planning chart (unit 3) (1 hr)	**10**
7	Order concentration (unit 3) (1 hr)	**10**
8	Packing list (unit 3) (1 hr)	**10**
9	Production planning chart (basic & only forward)(unit 3) (2 hrs)	**10**
10	Problems on CMT (unit 3) (2 hrs)	**20**
11	Problems on costing (unit 3) (2 hrs)	
12	Specification sheets- how to follow and to prepare one spec sheet and check. One upper garment and one lower garment.	**40**
	Assignments of 200 are then totalled & divided by 200& multiplied by 20. Additional 3 marks for Journal , 1 for submitting on time & 1 for Class performance =Total	**25**
1	At least 10 covering all units above	
2		
No.	**Tutorial Exercise**	**Marks**
1	At least 10 problems on each unit given above	
2		
	Total	**25**

9. LEARNING RESOURCES

Text Books

Sr.No.	Author	Title	Publication and Year
1.	Gary Cooklin	Introduction to garment manufacture	Blackwell Science
2.	A.J. Chuter	Introduction to Clothing Production	Blackwell Science
3.	Harold Cau & Barbara Lathan	The Technology of Clothing manufacture	Blackwell Science
4.	David J. Tyler	Material management in clothing production	Blackwell Science
5.	Sara J. Kadolph	Quality Assurance for Textile & Apparel(2nd Edition)	Latest
6.	Pradip Mehta	An Introduction to Quality Control for Apparel Industry	Latest
7.	Satish Bharadwaj/ Pradip Mehta	Managing Quality in the Apparel Industry	Latest

(GA305) COMPUTER AIDED FASHION DESIGN

1. COURSE OBJECTIVES:

Students will be able to design using Computers that can make their work faster. The use of computers will make designing easier. They will be to offer a variety of choices & possibilities to Clients. They will be abe to design Garments for Casual Wear, Formal wear, Occasional wear & Sportswear by using Computers. They will be able to offer the client the same garment in different colours, textures & prints. They will be able to do Virtual designing on Clients pictures to show the client how each design or colour will suit them. They will be able to make Documents & Stationery for themselves & their Business.

2. TEACHING AND EXAMINATION SCHEME:

SEMESTER III									
Course Code & Course Title	**Periods/ Week (In Hours)**			**Total Credit**	**Examination Scheme**				
					Theory Marks		**Practical Marks**		**Total Marks**
GA 305 COMPUTER AIDED FASHION DESIGN	**L**	**T**	**P**	**H**	**TH**	**TM**	**TW**	**PR/ OR**	**125**
	0	0	4	4	-	-	75	50	

3. COURSE OUTCOMES:

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

1) Remember the different soft ware's available for Fashion Design.
2) Understand how to use Computers in fashion design.
3) Design a variety of Garments in a short while by using the available soft wares.
4) Design according to Body type, skin type & personality.

4. Mapping Course Outcomes with Program outcomes

	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline specific knowledge	Problem Analysis	Design/ Development of	Engineering tools, Experimentation	Engineering practices for society,	Project management	Life long learning
CO 1	1	1	2	2	-	1	2
CO 2	2	2	3	3	-	2	2
CO 3	2	2	3	1	1	1	3
CO 4	2	2	2	-	1	1	3

Relationship: 1: Slight(Low) 2: Moderate (Medium) 3: Substantial (High)

	PSO1	PSO 2
	Research & Development in Design	Satisfy Customer Needs
CO 1	1	1
CO 2	1	1
CO 3	2	2
CO 4	1	2

5. DETAILED COURSE CONTENTS/ MICRO LESSON PLAN

M= Marks	Thr = Teaching hours	CO= Course Objectives	M	Thr/Pr	CO	Level
Unit 1 Introduction				**(12 hrs Pr)**	**1, 2**	**1, 2**
1.1 An introduction, features and limitations of software's available for designing MS Paint, E-draw, Mac Paint, Corel Draw.						
1.2 CAD for drafting and designing						
1.3 Optitex 3D virtual photo typing.						

1.4 2D CAD CAM Pattern & Fashion design, Virtual Fashion				
1.5 basic, Blonzewear				
1.6 3D Apparel solutions like V- stitches, Reach CAD, SCL.				
1.7 Digital Fashion Pro for fashion illustrations,				
1.8 Digital fashion Pro, Beyond the basics(for spec sheets)				
1.9 Denim wash factory (for denim Washes				
1.10 Shoes and accessory design packs for accessory designs.				
1.11 Story board creator.				
1.12 Fashion Business creator (for business information and spec sheet) etc.				
1.13 3D Modeling & Printing. A visit to a 3D printing unit & a project given in groups for accessory design using a 3D printer				
Unit 2 Sketching in MS Paint		**20hrs Pr**	**3**	**3**
2.1 Sketching & Printing using various tools and equipments of MS Paint.				
2.2 Drawing different garments. 8 head figure and fashion croquet.				
2.3 Stylized figures.				
2.4 Different poses for male & female.				
2.5 Putting on different garments on croques of one male, one female and child- swimwear, casual, formal, sports and occasional wear.				
Unit 3 Drawing, Texturing, Scanning and tracing in Corel		**(18hs Pr)**	**3**	**3**
1.1 Drawing and printing using different tools of corel. 1.2				
1.3 Importing and Exporting files.				
1.4 Importing designs done in MS Paint and texturing them in corel (croques of one male, one female and child- swimwear, casual, formal, sports and occasional wear.).				
Unit 4 Virtual Dressing		**06 hrs Pr)**	**4**	**3,4**

4.1 Scanning or clicking one's own picture or that of another person and putting it on Photoshop.				
4.2 Dressing it up in different attire to check suitability using MS paint, Corel draw and Photoshop.				
Unit 5 Documentation Making spec sheets, visiting cards, letterheads, story boards, etc. using different software's.		**08hrs Pr)**	**1**	**1,3**
Total		**(64 hrs Pr)**		

6. COURSE DELIVERY:

The course will be delivered through lectures, classroom interactions, exercises and case studies.

7. SPECIFICATION TABLE FOR THEORY/ MACRO-LESSON PLAN

UNIT NO.	UNIT	Number of lectures (Pr)	Marks
1	Introduction	(12 hrs Pr)	
2	Sketching in MS Paint	(20 hrs Pr)	
3	Drawing, Texturing, Scanning and tracing in Corel	(18 hrs Pr)	
4	Virtual Dressing	(06 hrs Pr)	
5	Documentation	(08 hrs Pr)	
	Total	(64 hrs Pr)	

8. SPECIFICATION TABLE FOR TERM WORK & PRACTICAL HOURS

No.	Practical Title	Marks
1	Practice on free open software's	**20**
2	Illustration of Skirts, Blouses, zablas/tops in Paint	**30**
3	8 head figure & fashion croqui in Paint	**20**
4	Male & female poses and stylized figure in Paint	**40**
5	Designing Casual, formal, sports & occasional wear in Paint	**40**
6	Importing paint files in Corel, tracing them & applying colours & texture on them (Casual, formal, sports & occasional wear)	**40**
7	Designing clothes for self & client (Min. 2 attires- Indian & Western) Paint & Corel can be used together	**20**

8	Making spec sheet, visiting cards, letterheads, storyboard, and theme board in Corel	**50**
9	Field visit	**10**
	Total	**270**
	Assignments of 270. Marks obtained are then totalled & divided by 270 & multiplied by 40. Additional 5 marks for Journal , 2 for submitting on time, 2 for neatness & presentation & 1 for Class performance =Total 50	**50**
1	At least 10 covering all units above	
2		
No.	**Tutorial Exercise**	**Marks**
1	At least 10 problems on each unit given above	
2		
	Total	**25**

(GA306) HISTORY OF WORLD COSTUMES & FASHION

1. COURSE OBJECTIVES/RATIONALE

Students will learn of the past trends in garments, the costumes in fashion history and understand factors that have influenced fashion in the past. They will be able to revive past trends in a more adaptable style. They will be able to identify & recall costumes used in the past & reproduce them or design period costumes for plays, movies or projects. They will understand the psychology behind costumes of each period. They will be able to design contemporary clothes based on the pre historic, ancient, medieval clothes. They will be able to Forecast future trends

2. TEACHING AND EXAMINATION SCHEME:

SEMESTER III									
Course Code & Course Title	**Periods/ Week (In Hours)**			**Total Credit**	**Examination Scheme**				
					Theory Marks		**Practical Marks**		**Total Marks**
(GA306) HISTORY OF WORLD COSTUMES & FASHION	**L**	**T**	**P**	**H**	**TH**	**TM**	**TW**	**PR/ OR**	**125**
	1	-	3	4	-	-	75	50	

3. COURSE OUTCOMES:

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

i. Recollect names & patterns popular trends of Pre-Historic, Ancient, Medieval , Transition & Revolution periods.
ii. Understand the factors that influenced past trends
iii. Design contemporary garments taking past inspirations
iv. Forecast future trends based on present & past trends.

4. Mapping Course Outcomes with Program outcomes

	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline specific knowledge	Problem Analysis	Design/ Development of	Engineering tools, Experimentation	Engineering practices for society,	Project management	Life long learning
CO 1	2	0	3	1	1	1	3
CO 2	2	2	2	0	1	1	3
CO 3	3	2	3	1	2	2	3
CO 4	1	1	3	1	3	2	1

Relationship: 1: Slight(Low) 2: Moderate (Medium) 3: Substantial (High)

	PSO1	PSO 2
	Research & Development in Design	Satisfy Customer Needs
CO 1	3	2
CO 2	3	2
CO 3	3	2
CO 4	3	2

5. DETAILED COURSE CONTENTS/ MICRO LESSON PLAN

M= Marks	Thr = Teaching hours	CO= Course Objectives	M	Thr/Pr	CO	LEVEL
Unit 1 Pre- Historic & Ancient (Clothing up to 5th Century A.D.) Important Civilizations that affected clothing (Mesopotamian, Indus Valley/Harappa & Mohenjo-Daro)				**04 (15 Pr)**	**1 2 3**	**1 2 3**
1.1 Origin of clothing						
1.2 Ancient India						
1.3 Ancient China						

1.4 Babylonian(Mesopotamian)				
1.5 Ancient Egypt				
1.6 Ancient Greece				
1.7 Ancient Rome.				
Unit 2 Medieval to Transition (up to 17th Century A.D.) (Medieval, Renaissance & Transition period)		**04 (15 Pr)**	**1,2 3**	**1,2 3**
2.1 India				
2.2 Byzantium				
2.3France				
2.4 Italy				
2.5 England				
2.6 Spain.				
2.7 Germany				
Unit 3 French Revolution (1661 to 1512)		**03 (08 Pr)**	**1,2, 3**	**1,2 3**
1.5 Louis XIV to XVI.				
1.6 The Revolution. 1.7				
1.8 Directoire Period and Romantic				
Period. Its influence on world costumes.				
Unit 4 Industrial Revolution (1900 to 1940)		**02 (04 Pr)**	**1,2, 3**	**1,2 3**
Its influence in India and the world.				
Unit 5 Modern Period (50's till date)		**03(06 Pr)**	**3 4**	**1,2,3 4**

1.1 50's, 60's				
1.2 70's, 80's				
1.3 90's, 2000				
1.4 2000 to 2010				
1.5 2010 till date. Present fashion.				
Total		**16 Th (48 Pr)**		

6. COURSE DELIVERY:

The course will be delivered through lectures, classroom interactions, exercises and case studies.

7. SPECIFICATION TABLE FOR THEORY/ MACRO-LESSON PLAN

UNIT NO.	UNIT	Number of lectures	CO
1	Unit 1 Pre- Historic & Ancient (Clothing up to 5th Century A.D.) .	04 (15 Pr)	1 2 3
2	Unit 2 Medieval to Transition (up to 17th Century A.D.) (Medieval, Renaissance & Transition period)	04 (15 Pr)	1 2 3
3	Unit 3 French Revolution (1661 to 1512)	03 (08 Pr)	1 2 3
4	Unit 4 Industrial Revolution (1900 to 1940)	02 (04 Pr)	1 2 3
5	Unit 5 Modern Period (50's till date)	03 (06Pr)	3 4
	Total	16 h (48 Pr)	

8. SPECIFICATION TABLE FOR TERM WORK & PRACTICAL HOURS

No.	Practical Title	Marks
1	Designing garments for the present by taking influence of Pre-historic clothing	20
2	Designing garments for the present by taking influence of Ancient Indian clothing.	10
3	Designing garments for the present by taking influence of Ancient Chinese clothing.	10
4	Designing garments for the present by taking influence of Ancient Babylonia	10
5	Designing garments for the present by taking influence of Ancient Egyptian	10

	clothing.	
6	Designing garments for the present by taking influence of Ancient Greek clothing.	**10**
7	Designing garments for the present by taking influence of Ancient Roman clothing.	**10**
8	Designing garments for the present by taking influence of Medieval Indian clothing.	**10**
9	Designing garments for the present by taking influence of Medieval Byzantine clothing.	**10**
10	Designing garments for the present by taking influence of Medieval French clothing.	**10**
11	Designing garments for the present by taking influence of Medieval Italian clothing.	**10**
12	Designing garments for the present by taking influence of Medieval English clothing.	**10**
13	Designing garments for the present by taking influence of Medieval Spanish clothing.	**10**
14	Designing garments for the present by taking influence of the French Revolution.	**10**
15	Designing garments for the present by taking influence of the Roman Period.	**10**
16	Designing garments for the present by taking influence of the Industrial Revolution.	**10**
17	Designing garments for the present by taking influence of the 50's & 60's Period.	**10**
18	Designing garments for the present by taking influence of the 70's & 80's Period.	**10**
19	Designing garments for the present by taking influence of the 90's to 2000.	**10**
20	Designing garments for the present by taking influence of the 2001 till last year.	**10**
21	Designing garments for the present	**20**
22	Fashion Forecast for male and female.	**10**
	Each assignment would take 2 hrs. Assignments of 240. Marks obtained are then totalled & divided by 24 & multiplied by 40. Additional 5 marks for Journal , 05 for class presentations in groups based on each period. =Total 50 marks	**50**
1	At least 10 covering all units above	
2		

No.	**Tutorial Exercise**	**Marks**
1	At least 10 problems on each unit given above	
2		
	Total	**50**

9. LEARNING RESOURCES

Text Books

Sr.No.	Author	Title	Publication and Year
1.	R. Tuener, Wilcon Charles Sc sons	The Mode in Costumes	Latest
2.	Ann Alu fold, Fairchild Publications	One World of fashion	Latest
3.	Claudia Muller, Thames & Hudson Ltd.	The Timeline of World Costumes	Latest
4.	Anne Marshall, David Bound & Guinness Publications Ltd.	The Guinness guides to 20th Century Fashions	Latest
5.	Albert Racinet, Studio & Editions Ltd.	The Historical Encyclopedia of Costumes	Latest
6.	Haves Kennett, Reed Books Ltd.	World Dress	Latest
7.	G.S. Ghuray, Popular Prakashan Pvt. Ltd.	Indian Costumes	Latest

DIPLOMA IN GARMENT TECHNOLOGY

SYLLABUS FOR IVTH SEMESTER

BOARD OF TECHNICAL EDUCATION, GOA STATE
PROGRAMME STRUCTURE FOR DIPLOMA IN GARMENT TECHNOLOGY
GOA STATE
Duration of Programme

Semester IV

Course Code	Name of Course	TEACHING SCHEME				EXAMINATION SCHEME				Total Marks
		L	T	P	H	Theory Marks		Practical Marks		
						TH	TM	Pr/Or	TW	
GA 401	FASHION MERCHANDISING	03	-	01	04	75	25	-	25	125
GA 402	DRAPED GARMENTS	-	-	06	06	-	-	75	50	125
GA 403	GARMENT IMPORT & EXPORT	03	-	01	04	75	25	-	25	125
GA 404	FASHION ACCESSORIES	-	-	04	04	-	-	50	50	100
GA 405	GARMENT DESIGN APPRECIATION	01	-	04	05	-	-	75	50	125
GA 406	GENTS GARMENTS	-	-	06	06	-	-	75	75	150
	TOTAL	**29**								**750**

Legends:
TH – Theory Head
TM – Test Marks
PR/OR - Practical/ Oral
TW - Term Work

(GA401) FASHION MERCHANDISING

1. COURSE OBJECTIVES:

Students will learn skills needed for merchandising. This will make students efficient in costing. They will learn production, planning & control. They will be able to solve problems by SEAM Technique, Role play or Research method. They will be able to identify Customer needs by SPIN Technique. They will be able to Co-Ordinate with production for orders. They will be able to plan Advertising & Sales Promotions for ultimate sale.

2. TEACHING AND EXAMINATION SCHEME:

SEMESTER IV									
Course Code & Course Title	Periods/ Week (In Hours)			Total Credit	Examination Scheme				
					Theory Marks		Practical Marks		Total Marks
(GA401) FASHION MERCHANDISING	L	T	P	H	TH	TM	TW	PR/ OR	125
	3	-	1	4	75	25	25	-	

3. COURSE OUTCOMES:

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

i. Recognize & relate to fashion terms
ii. Make Documents such as Company Profile, Quotations, Invoices, Challans
iii. Prepare Specification sheets/ Tech. Packs, Packaging of products, Advertisements & Sales Promotion activities.
iv. Cost garments by analyzing Fabric & other raw material requirement; calculate Overheads, Depreciation & Profits.

4. Mapping Course Outcomes with Program outcomes

	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline specific knowledge	Problem Analysis	Design/ Development of	Engineering tools, Experimentation	Engineering practices for society,	Project management	Life long learning
CO 1	3	-	-	-	-	1	2
CO 2	2	2	3	2	-	1	3
CO 3	2	3	3	2	1	1	2
CO 4	3	2	2	2	1	1	2

Relationship: 1: Slight(Low) 2: Moderate (Medium) 3: Substantial (High)

	PSO1	PSO 2
	Research & Development in Design	Satisfy Customer Needs
CO 1	-	1
CO 2	-	3
CO 3	2	3
CO 4	2	3

5. DETAILED COURSE CONTENTS/ MICRO LESSON PLAN

M= Marks	**Thr = Teaching hours**	**CO= Course Objectives**	**M**	**Thr/Pr**	**CO**	**Level**
Unit 1 Introduction			**12**	**10 (04 Pr)**	**1 2**	**1 2**
1.1 Introduction to Fashion and Merchandising, their inter-relation. Difference between Retail Merchandising & Factory Merchandising.						

1.2 Fashion terms like Classic, Fad, Vogue, Contemporary, Pret, etc. Fashion cycle.				
1.3 Merchandising skills, Communication, Confidence, Persuasion & making contacts, Co- ordination, team spirit, identifying customer needs and giving after sales service, Sincerity & Commitment, Positive attitude & Problem solving, Role play, Creativity & Learning, Planning & Organising, Quality control, Fashion Forecasting, etc.. Understanding & developing these skills.				
Unit 2 Fashion Co- Ordination & Sourcing	**16**	**10 (04 Pr)**	**2,3**	**2,3, 4**
2.1 Importance & Role of a Fashion Co- ordinator.				
2.2 Follow up from design to dispatch with the help of a				
production planning chart and block planning charts. Control in Production. Foreseeing and avoiding bottlenecks.				
2.3 Preparation of a spec sheet.				
2.4 Importance of Sourcing.				
2.5 Sources of sourcing like books, magazines, travel, fairs, Internet, etc.				
2.6 Types of sourcing- outsourcing, In-sourcing, global, national & zonal sourcing, single, multi & open sourcing, Qualitative, Quantitative & strategic sourcing.				
2.7 Survey.				
Unit 3 Retail Outlets	**12**	**08 (07 Pr)**	**1**	**1,2, 3,4**
1.1 Introduction to fashion retailing. Changing dimensions- past, present & future trends.				
1.2 Clothes for retail.				
1.3 How to start & run a retail outlet profitably.				
1.4 Retail buying & selling- specification buying, speculative buying.				
1.5 Strategies of selling like discount sales, edited retailing, mail order, Internet, concessionaires franchising, MLM & network marketing.				
1.6 Retail branding.				

1.7 Types of retail stores- Departmental stores, specialty stores, boutiques, Discount clothing stores, franchise outlets. Multiple chain stores & variety chain stores, supermarkets, malls, hyper malls etc.				
1.8 Visual Merchandising- Elements of visual merchandising. Planning of retail stores- space planning, Display area planning. Designing- windows & interiors.				
Unit 4 Pricing	**18**	**10(07 Pr)**	**4**	**2,4**
1.1 Importance of pricing. External & Internal factors influencing price decisions.				
1.2 Price strategies to make competition.				
1.3 Cost plus Pricing				
1.4 Market based Pricing				
1.5 Advantages & disadvantages of both. Costing for				
1.6 manufacturer, retailer, boutique/ fashion store, export house.				
1.7 Ceiling floor prices and Quotas.				
Unit 5 Documentation	**17**	**10 (04 Pr)**	**1,2, 3,4**	**2,4**
5.1 Making a company profile.				
5.2 Quotations.				
5.3 Invoices- Proforma, final & Consular.				
5.4 Challans.				
5.5 Working with document agents and freight forwarders.				
Total	**75**	**48 Th (16Pr)**		

6. COURSE DELIVERY:

The course will be delivered through lectures, classroom interactions, exercises and case studies.

7. SPECIFICATION TABLE FOR THEORY/ MACRO-LESSON PLAN

UNIT NO.	UNIT	Number of lectures	Marks
1	Introduction	10 (04 Pr)	12
2	Fashion Co- Ordination & Sourcing	10 (04 Pr)	16
3	Retail Outlets	08 (07 Pr)	12
4	Pricing	10 (07Pr)	18
5	Documentation	10 (04 Pr)	17
	Total	48 Th (16 Pr)	75

8. SPECIFICATION TABLE FOR TERM WORK & PRACTICAL HOURS

No.	Practical Title	Marks
1	Making a company profile	
2	Making a Quotation	
3	Making an Invoice	
4	Making Challans	
5	Make a Prediction Planning Chart	
6	Make a Block Planning Chart	
7	Cost plus pricing for a garment	
8	Market based pricing	
9	Costing one garment for local sale, export, retailer Or boutique (same garment)	
10	Survey of one raw material, different raw materials given to different Groups & group presentation of the same.	
11	Survey of one market for feasibility of a product (teacher will accompany).	
12	Making a spec sheet	
13	Packaging for a ready article along with a price tag	

14	Problem solving by SEAM technique	
15	Problem solving by Role play.	
16	Spin technique questionnaire.	
	At least 10 covering all units above	
No.	**Tutorial Exercise**	**Marks**
1	At least 10 problems on each unit given above	
2		
	Total	**Nil**

9. LEARNING RESOURCES

Text Books

Sr.No.	Author	Title	Publication and Year
1.	Frings, Gini Stephens Pearson Publications	Fashion- From Concept to Consumer	Latest
2.	Ellen Diamond, Pearson Publications	Fashion Retailing	Latest
3.	Mike Easey- Blackwell Science	Fashion Marketing	Latest
4.	Harold Carr & John Pomeroy- Blackwell Science	Fashion Design & Product Development	Latest
5.	Prisco Mose, John Wiley & sons	Fashion Merchandise Information- Textile & Non-Textiles	Latest
6.	Philip Koller- Hill of India Pvt. Ltd.	Marketing & Management- Analysis, Planning, Implementation & Control	Latest

(GA402) DRAPED GARMENTS

1. COURSE OBJECTIVES:

The students will be introduced to innovative methods of Garment Making. They will be able to understand the fall of different fabrics for their suitability to be draped. They will also understand the methods and Techniques of Draping. They will be able to drape different types of basic garments. They will be able to finish garment hems & seams by using couture finishes.

2. TEACHING AND EXAMINATION SCHEME

Semester IV									
Course code & course title	Periods/Week (in hours)			Total Credits	Examination Scheme				
					Theory Marks		Practical Marks		Total Marks
GT 402 DRAPED GARMENTS	L	T	P	H	TH	TM	TW	PR/OR	
	-	-	06	06	-	-	50	75	125

3. COURSE OUTCOMES:

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

1. Drape different types of garments.
2. Adopt basic draping methods in execution of various designs.
3. Apply knowledge gained in draping and finishing of hi fashioned garments.
4. Analyze new designs and work according to customers' needs.

4. Mapping Course Outcomes with Program Outcomes

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline Specific Knowledg	Problem Analysis	Design and Devlopment of	Engg. Tools, Experimentatn&	Engg. Practices for Society,Sustainability &	Project Management	Life -long Learning
CO1	3	2	3	1	1	2	3
CO2	3	3	3	1	1	3	3
CO3	3	3	3	1	2	2	3
CO4	3	3	3	1	2	3	3

Relationship : Low-1 Medium-2 High-3

	PSO1	PSO2
	Research and Development in Design	Satisfy Customer Needs
CO1	2	2
CO2	2	2
CO3	2	3
CO4	3	3

5. DETAILED COURSE CONTENTS / MICRO-LESSON PLAN

M = Marks	**Thr = Teaching hours**	**CO = Course Objectives**			
Unit			**M**	**Thr**	**CO**	**Levels**
1 UNIT Introduction to Draping				**05**	**1**	**2**
1.1 Drape forms, types of drape forms, materials used in drape forms						
1.2 Making drape forms and use of drape forms						
1.3 Fabrics best suited for draping						
1.4 Methods of draping, guidelines for draping.						
2 UNIT: Draping of Upper Garments				40	**1,2**	**2,3**
2.1 Draping of bodice block- front and back by using woven fabric, truing of bodice block.						
2.2 Stitching of Basic Block						
2.3 Draping of basic shoulder princess seam block.						
2.4 Draping of basic shoulder princess seam block.						
2.5 Draping of dart-less bodice using knit fabric.						
2.6 Draping and stitching of bustier foundation and.						
2.5Draping and Stitching halter neckline bodice						
3 UNIT: DRAPING OF SLEEVES & NECKLINES				12	**2**	**1,3**
3.1 Draping of kimono sleeve bodice.						
3.2 Draping of raglan sleeve bodice.						
3.3 Draping of cowl neckline using sheer fabric						
3.4 Draping of cowl armhole using sheer fabric						
4 UNIT: Draping of Lower Garment				24	**2**	**1,2,3**
4.1 Draping of basic straight skirt using woven fabric. Trueing of basic skirt drape						
4.2 Draping of A-line skirt block						
4.3 Draping of six gore skirt						
4.4 Draping of gathered skirt						
4.5 Draping of circular skirt						

4.6 Draping of gathered/ pleated skirt with yoke				
4.7 Stitching of 1 self designed skirt with necessary finishes.(Self study Assignment)				
5 UNIT Couture Finishes		15	**3**	**1,3,4**
5.1 Hems -Plain couture hem or blind hem - Full hem for eased, flared, pleated skirts - Mitered hem corners - Interfacing hem - Faced hem - Narrow hand rolled hem - Hong Kong hem - Weighted hem - Double stitched hem - Horse hair braid hem				
5.2 Seams Narrow plain seam - False French seam - Self bound seam - Whipped seam - Appliqué seam(lace on lace/ lace on fabric appliqué) - Abutted seam - Hand-over casting				
Total		**96**	**-**	

6. COURSE DELIVERY:

The Course will be delivered through lectures, class room interactions, exercises and case studies.

7. SPECIFICATION TABLE FOR TERM WORK & PRACTICALS HOURS

No	**Practical**	**Marks**
1.	Pictures on types of drape forms and list of fabrics suitable for draping.	
2	Preparation of drape form for draping.	
3	Basic bodice block- drape using woven fabric and truing of basic block to make paper pattern.	
4	Draped shoulder princess seam block	
5	Draped armhole torso length princess seam block..	
6	Dart less bodice using knitted fabric. 7	
7	Stitching of basic bodice block using trued block in woven fabric.	
8	Draped Kimono sleeve bodice.	
9	Draped Raglan sleeve bodice.	
10	Draped Cowl neckline and armhole bodice.	
11	Stitching of basic bustier.	
12	Stitching of bodice with halter neckline.	
13	Draped basic straight skirt.	
14	Draped A-Line and six gore skirt.	
15	Draped gathered skirt.	
16	Draped circular skirt	
17	Draped gathered pleated skirt with yoke.	
18	Designing and stitching any one skirt.	
19	Couture finishes- sample size 10 X 10 cms (finished) using appropriate fabrics	
	Practical work will include working on assignments. Practical work will include working on assignments prescribed in the syllabus. All the assignments will be marked on the basis of work done in class. A journal will be maintained of class work and marked for 05 marks under internal assessment; the division of 05 marks is as follows; Attendance- 01 marks,	

	punctuality in submission- 01 marks, neatness & Presentation of work – 03 marks. The remainder of the PPA i.e. 45 marks will include regular class work.	
		50

8. LEARNING RESOURCES

Text Books

S. No.	Author	Title of Books	Publishers
1	Connie Crawford	The Art of Fashion Draping	latest
2	Helen Joseph Armstrong	Draping for apparel design	Bloomsbury Latest
3	Anette Fischer	Basics Fashion design Construction	AVA Publishing SA Switzerland
4	Basheer	Draping: Art And Craftmanship In Fashion Design	Book Web Singapore
5	Hill house & Mansfield's	All-Time Best Book on Draping & Flat Pattern: Dress Design	Houghton Mifflin
6	Jeanne Price & Bernard Zamkoff	Sewing pattern making & Draping	latest
7	Karolyn Kiisel	Draping: The complete course with DVD	Laurence King

(GA403) GARMENT IMPORTS & EXPORTS

1. COURSE OBJECTIVES/RATIONALE

Students will be made aware of the scope of exporting products from India. They will understand the need to increase exports & decrease Imports. They will be able to handle Documentation for Exports & Imports. They will understand Export & import procedures. They will be able to make required Documents for Exports & imports. They will be able to understand the Payment Terms used in exports and Imports. They will understand & implement the various Government Schemes for exports and imports

2. TEACHING AND EXAMINATION SCHEME:

SEMESTER IV									
Course Code & Course Title	Periods/ Week (In Hours)			Total Credit	Examination Scheme				
					Theory Marks		Practical Marks		Total Marks
(GA403) GARMENT IMPORTS& EXPORTS	L	T	P	H	TH	TM	TW	PR/ OR	125
	3	-	1	4	75	25	25	-	

3. COURSE OUTCOMES:

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

1) Study & records Items that can be exported from India & what needs to be Imported.
2) Understand types of Organisations, government Policies & procedures
3) Prepare Documents for exports & imports
4) Analyse which payment terms are better & agree on safer terms

4. Mapping Course Outcomes with Program outcomes

	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline specific knowledge	Problem Analysis	Design/ Development of	Engineering tools, Experimentation	Engineering practices for society,	Project management	Life long learning
CO 1	2	-	-	-	-	1	3
CO 2	1	1	-	1	-	-	2
CO 3	2	-	-	3	1	1	2
CO 4	2	1	1	-	-	-	2

Relationship: 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

	PSO1	PSO 2
	Research & Development in Design	Satisfy Customer Needs
CO 1	-	1
CO 2	1	3
CO 3	-	2
CO 4	1	3

5. DETAILED COURSE CONTENTS/ MICRO LESSON PLAN

M= Marks	Thr = Teaching hours	CO= Course Objectives	M	Thr/Pr	CO	Level
Unit 1 Introduction			**05**	**06**	**1**	**1,2**
1.1 Introduction to Export & Import and what is better for any country. History and future trends.						
1.2 Types of organizations: Merchant export units, Manufacturing Export units, Joint Ventures, Buying Agents, Franchisers and E.O.U's.						

1.3 Mode of transport for Exports: Road, sea and air consignments. Advantages & disadvantages of each.				
Unit 2 Market Research	**20**	**0 8 (04 Pr)**	**2,3**	**1,2,3**
2.1 Exploring India and the world (important countries) for what can be exported and what needs to be imported.				
2.1.1 A study : In India, a list of all states with what is available and popular and what are the potential export items. 2.1.2 In countries around the world a study on the type of people- average height, weight , colour, preference of clothing, currency used, existing industry and market potential.				
Unit 3 Policies & Procedures 3.1 Procuring orders 3.2 Payment terms- Advance payment, open a/c system, consignment sale and Documentary Collection: D.A., D.P. and L/C. Revocable & Irrevocable L/C. 3.3 Import/Export by post. Methods of transferring funds- cash, D.D., T.T., Money exchangers and SWIFT transfers. Government rules and restrictions in using these. 3.4 Government Policies 3.4.1 Trade barriers- Trade Barriers- Tariff and non tariff barriers. Protective & Revenue tariff. Reasons for barriers on export and import. 3.4.2 Government Schemes- Duty Exemption, EPCG, EPZ, Deemed exports, special category scheme, DEPB scheme, Rupee convertibility and Duty drawback scheme. 3.4.3 Incentives- Loans, subsidy, Duty drawback and awards 3.5 Garment categories. 3.6 Licenses- Advance license, Advance Intermediate License, special imprest license, CCP and REP. 3.7 Government Organisations that help export and imports- MSME, EDC, CCI, DOI, EPC and textile Committee. Their role and important functions. 3.8 Important private organizations like CMAI, AIAI and WTC, DITC.	**20**	**10(00 Pr)**	**1 2**	**1 2**
Unit 4 Documentation 1.1 Registrations required for an export firm. 1.2 Important steps for processing an order	**20**	**10 (12 Pr)**	**1,2 ,3**	**1,2,3**

1.3 Documents at Pre- Shipment stage- entering into contact, Order scrutiny, Procuring and Processing goods as per specs, Booking shipping space, Central excise clearance, Pre- shipment clearance, shipping instructions to freight forwarders, Dispatching to proper port, Port & Customs clearance, Obtaining documents from freight forwarder, Certificate of Origin, Advising importer and submitting documents to bank for collection. ADS. 1.4 Final Export documents- Commercial and Regulatory. 4.4.1 Commercial Documents –Principal & Auxillary Documents 4.4.1.1 Principal - Commercial Invoice, Packing list, Bill of Lading, Certificate of inspection, Certificate of Insurance, Certificate of Origin, Bill of Exchange and shipment advise. 4.4.1.2 Auxillary Commercial documents- Proforma invoice, Intimation for Inspection, Shipping Instructions, Insurance declaration, shipping order, Mate's receipt, Application for certificate of Origin, Letter to bank for negotiation. 4.4.2 Regulatory Documents- Central excise invoice, AR4, shipping bill, Export Application, Receipt for payment of port charges, vehicle ticket, Exchange control declaration form, Freight payment certificate and Insurance payment certificate. 4.5 Documents such as Quotation, Invoice, Order form, Delivery challan, Debit & Credit notes and Accounts statement.				
Unit 5 Abbreviations and Terms used Ex- Factory, F.O.B, C&F, CIF, Ex- ship/Quay, DDP,MODVAT, ICD, IGM/EGM, COFEPOSA, ADB, WB, GATT, ASEAN, CESS, DTA & MFA.B/E, CONTAINERISATION, WARE HOUSING, MANUFACTURING, IN BOND, PROJECT IMPORTS, TRANSSHIPMENT CARGO, FULL EXPORT VALUE, SHOW CAUSE NOTICE, CONSULAR INVOICE, DISTRIBUTION CHANNELS, CANALISATION, END USE BOND, DETENTION CERTIFICATE.	**10**	**10 (00 Pr)**	**1,2 ,3**	**1,2**
Total	**75**	**48 (16 Pr)**		

6. COURSE DELIVERY:

The course will be delivered through lectures, classroom interactions, exercises and case studies.

7. SPECIFICATION TABLE FOR THEORY/ MACRO-LESSON PLAN

UNIT NO.	UNIT	Number of lectures	Marks
1	Unit 1 Introduction	06 (00Pr)	05
2	Unit 2 Market Research	08 (04 Pr)	20
3	Unit 3 Policies & Procedures	16 (00 Pr)	20
4	Unit 4 Documentation	10 (12 Pr)	20
5	Unit 5 Abbreviations and Terms used	10 (00 Pr)	10
	Total	48(16 Pr)	75

8. SPECIFICATION TABLE FOR TERM WORK & PRACTICAL HOURS

No.	Practical Title	Marks
1	Presentation of scope for exports(students in groups will do study On one country and present)	
2	Presentation of Govt. Organisations (Role play)	
3	Commercial Invoice and Proforma Invoice	
4	Packing list	
5	Bill of lading and Mate's receipt	
6	Certificate of Inspection and Invitation for Inspection	
7	Certificate of Insurance and Insurance declaration	
8	Certificate of origin and Application for certificate of origin	
9	Shipment advise and shipping instructions	

10	Quotation and Order form	
11	Delivery challan, Debit and Credit notes	
12	Accounts statement	
13	Shipping order and letter to Bank for negotiations	
1	At least 10 covering all units above	
2		
No.	**Tutorial Exercise**	**Marks**
1	At least 10 problems on each unit given above	
2		
	Total	**Nil**

9. LEARNING RESOURCES

Text Books

Sr.No.	Author	Title	Publication and Year
1.	Ila Kantilal, National Info. Centre for Textile and Allied subjects	The Apparel Industry in India	Latest
2.	Darlie O' Koshy,	Garment exports- Winning Stategies	PHI learning Pvt. Ltd.
3.	Prashant P. Deshpande,	Garment Export Industry of India	APH Publishing

(GA404) FASHION ACCESSORIES

1. COURSE OBJECTIVES:

The students will able to learn different accessories that can be used to enhance the look of garments. The students will involve, explore, process and experiment with thoughts ideas and materials that can be used for fashion accessories. They will be able to sketch individual accessory items and also working on the process of its manufacture. They will develop skills to create an accessory collection. They will be able to use accessories as a means of creating a personal style statement, thus helping presentation of endless opportunities for outfits and creating looks

2. TEACHING AND EXAMINATION SCHEME

Semester IV									
Course code & course title	Periods/Week (in hours)			Total Credits	Examination Scheme				
					Theory Marks		Practical Marks		Total Marks
(GA 404) FASHION ACCESSORIES	L	T	P	H	TH	TM	TW	PR/OR	
	0	-	4	4	-	-	50	50	100

3. COURSE OUTCOMES:

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

1. Be equipped with information on the latest in the fashion accessory world
2. Sketch various accessories in detail.
3. Distinguish and decide accessories that can be used for specific occasion.
4. Create theme based collections of novel and innovative designs.

4. Mapping Course Outcomes with Program Outcomes

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline Specific Knowledge	Problem Analysis	Design and Devlopment of Solutions	Engg. Tools, Experimentatn&	Engg. Practices for Society,Sustainability &	Project Management	Life -long Learning
CO1	0	0	2	2	1	1	3
CO2	1	1	2	1	0	1	2
CO3	1	1	3	1	1	1	2
CO4	0	2	3	1	1	1	2

Relationship : Low-1 Medium-2 High-3

	PSO1	PSO2
CO1	2	3
CO2	2	3
CO3	2	3
CO4	3	3

5. DETAILED COURSE CONTENTS / MICRO-LESSON PLAN

M = Marks	**Thr = Teaching hours**	**CO = Course Objectives**			
Unit		**M**	**Thr/ Pr**	**CO**	**Levels**
1 UNIT:INTRODUCTION			**08 hrs**	**1**	**1**
1.1 Accessories through the ages.					
1.2 Evolution of trends in the contemporary fashion industry.					
1.3 Materials and trims used in accessories.					
1.4 Tools and techniques used in creating accessories.					
1.5Classification of accessories.					
1.6 Lifestyle accessories.					
1.7 Current trends in fashion accessories.					
1.8 Why do accessories matter today?					
2 UNIT: KNOW THE WORLD OF ACCESSORIES			06 hrs	**1**	**1,2**
2.1 Global and Indian brands in accessories.					
2.2 Famous accessory designer.					
3 UNIT:ILLUSTRATION			08hrs	**2**	**2**
3.1 Sketching techniques, technical drawings and rendering skills for different types of accessories.					
3.2 Principles of size and proportions in accessories both worn and when displayed					
4 UNIT: JEWELLERY			12	**3,4**	**1,3,**

		hrs		**4**
4.1 How is jewellery classified?				
4.2 Categories of jewellery				
4.3 Designing jewellery sets based on occasion /theme				
4.4 Packaging and pricing for Jewellery sets.				
5 UNIT: OTHER ACCESSORIES		30 hrs	**3,4**	**1,3, 4**
5.1 Neck fullness.				
5.2 Headgears and Hats				
5.3 Footwear				
5.4 Hair ornaments				
5.5 Bags				
3.1 Belts, sash, hipsters				
Total		**64 hrs**		

6. COURSE DELIVERY:

The Course will be delivered through lectures, class room interactions, exercises and case studies.

7. SPECIFICATION TABLE FOR TERM WORK & PRACTICALS HOURS

No	Practical	Marks
1.	Collage of tracing accessories worn over the ages	
	Materials used in accessories	
	Tools and equipments used to create accessories	
	Classification chart	
2.	Database collection and identification of brands associated to accessories	
	Listing famous accessory designer world over in various categories	

	Collage of categories that are part of lifestyle accessories	
	Self study collection of latest trends in fashion accessories	
3.	Application of various classification of accessories on body	
	Colouring and rendering of accessory designs	
4.	Classification chart of jewellery	
	Chart showing various categories in jewellery	
	Designs and making of a jewellery set	
	Collection of packaging materials used for jewellery items	
5.	One article to be made in each of the sections (4.1 to 4.6) i.e 6 articles in total	
	Total	50
No	**Class room Assignments**	**Marks**
1	At least 10 covering all units above	
2		
...		
No	**Tutorial Exercise**	**Marks**
1	At least 10 problems on each unit given above	
2		
...	Total	50

8. LEARNING RESOURCES

Text Books

S. No.	Author	Title of Books	Publishers
1.	Dior	Fashion, jewelry and perfumes	Latest
2.	John Lace	Designing accessories Exploring the Design and construction of bags, shoes, hats, and jewelry.	Latest
3.	Jane Schaffer, Sue Sanders	Fashion Design course: Accessories, Design, Practice and Processes for Creating Hats, Bags, Shoes and other Fashion Accessories.	Latest
4.	Asharani Mathur	A Jeweled Splendor- the tradition of Indian Jewelry	Latest
5.	Rita Devi Sharma	Handcrafted Indian Enamel Jewelry	Latest
6.	Gopa Chakrabarti	Alankar: Ornaments of the Tribes	Latest
7.	Jasleen Dalmiya	Indian Folk Arts & Crafts	Latest
8.	Pranay Utsav	Indian Gold Jewelry Design books	Latest
9.	Nancy	Sew Amazing Scarves	Latest

(GA405) GARMENT DESIGN APPRECIATION

1. COURSE OBJECTIVES:

The students will able to gain an insight of the clothing and culture of the Indian states and the continents around the world. They will be exposed to creative thinking which in turn will enable them to put their thoughts into garment illustrations. They will understand, traditional clothing and accessories worn by people around the world. They will familiarize themselves with traditional clothing accessories of people from the states of India. They will be able to create mood boards based on the study of clothing styles around the world and in India. They will be able to create designs for the modern world taking inspirations from the traditional clothing.

2. TEACHING AND EXAMINATION SCHEME

Semester IV									
Course code & course title	Periods/Week (in hours)			Total Credits	Examination Scheme				
					Theory Marks		Practical Marks		Total Marks
(GA 405) GARMENT DESIGN AND APPRECIATION	L	T	P	H	TH	TM	TW	PR/OR	
	1		4	5	-	-	50	75	125

3. COURSE OUTCOMES:

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

1. Describe and illustrate traditional costumes from India and from the continents of the world.
2. Summarize and execute designs .based on themes and inspirations.
3. Create mood boards by systematic study of the garments worn by people around the world.
4. Analyze the studied traditional garments and adapt it to create and design modern clothing.

4. Mapping Course Outcomes with Program Outcomes

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline Specific Knowledge	Problem Analysis	Design and Devlopment of Solutions	Engg. Tools, Experimentatn&	Engg. Practices for Society,Sustainability &	Project Management	Life -long Learning
CO1	3	1	2	2	1	3	3
CO2	2	1	1	2	1	2	3
CO3	2	1	1	2	1	2	3
CO4	2	2	1	2	1	1	3

Relationship : Low-1 Medium-2 High-3

	PSO1	PSO2
CO1	2	2
CO2	2	3
CO3	2	3
CO4	2	3

5. DETAILED COURSE CONTENTS / MICRO-LESSON PLAN

M = Marks	Thr = Teaching hours	CO = Course bjectives	M	Th/pr	CO	Levels
1 UNIT: TRADITIONAL STATE COSTUMES OF INDIA			**19**	**3/12**	**1,2**	**1,2,3**
1.1 Study and research of Traditional costumes from the states of India						
1.2 Study of important Dances costumes state wise						
1.3 Create mood boards zone wise (east , west , north, south and centre)						
2 UNIT: TRADITIONAL COSTUMES FROM ASIA AND AUSTRALIA			11	3/12	**1,2**	**1,2,3**
2.1Study and research of Traditional costumes from the continents of Asia and Australia.(at least 6 prominent countries from each continent)						
3 UNIT: TRADITIONAL COSTUMES FROM AFRICA AND EUROPE			11	3/12	**1,2**	**1,2,3**
3.1Study and research of Traditional costumes from the continents of Africa and Europe .(at least 6 prominent countries from each continent)						
4 UNIT:TRADITIONAL COSTUMES FROM NORTH AMERICA AND SOUTH AMERICA.			11	3/12	**1,2**	**1,2,3**
4.1 Study and research of Traditional costumes from the continents of North America and South America.(at least 6 prominent countries from each continent)						
5 UNIT: ANALYSIS AND DESIGNING			23	4/16	**3,4**	**3,4**
5.1 Analysis of the above studies garments and application of the same for creating modern clothing designs .Create male and female garments and accessories and highlight garment details.						
Total			**75**	**16/64**		

6. COURSE DELIVERY:

The Course will be delivered through lectures, class room interactions, practical's and assignments.

7. SPECIFICATION TABLE FOR THEORY/ MACRO-LESSON PLAN

Unit No	Unit	Number of lectures	Marks
1	**TRADITIONAL STATE COSTUMES OF INDIA**	6	
2	**TRADITIONAL COSTUMES FROM ASIA AND AUSTRALIA**	6	
3	**TRADITIONAL COSTUMES FROM AFRICA AND EUROPE**	6	
4	**TRADITIONAL COSTUMES FROM NORTH AMERICA AND SOUTH AMERICA**	6	
5	**ANALYSING AND DESIGNING**	8	
	Total	32	NIL

8. SPECIFICATION TABLE FOR TERM WORK & PRACTICALS HOURS

No	Practical	Marks
1.	**Traditional State Costumes Of India**	
a	Students will create collages on 4 states from each zones, namely east, west, south, north and centre with pictures of their traditional costumes male and female, prominent festival and, dance costumes. Label the parts of the garments and accessories wherever applicable.	
b	Create mood boards for the same.	
2.	**Traditional Costumes from Asia And Australia**	
a	Create collage of any 4 countries from each region (continent wise), label and the costumes/ accessories.	
3.	**Traditional Costumes from Africa and Europe**	
a	Create collage of any 4 countries from each region (continent wise), label and the costumes/ accessories.	
4.	**Traditional Costumes from North America and South America**	
a	Create collage of any 4 countries from each region (continent wise), label and the costumes/ accessories	
5.	**Analysing and Designing**	
a	.Analysis of the above all studied garments create and design garments taking inspiration from the original costumes for modern clothing. Male and female garments (front &back) from each unit	
	Total	50

9. LEARNING RESOURCES

Text Books

S. No.	Author	Title of Books	Publishers
1	R, Tuener, Wilcon Charles & Sons	Th mode of costumes	latest
2	Robert HArrold,Phyllida Legg	Folk Costumes of The World	latest
3	Jill Condra	Encyclopedia Of National Dress Traditional Clothing Around The World	latest
4	Godfrey Hall	Clothes Around the world	latest
5	Parul Bhatnagar and Rananjit Kaur Bajwa	Traditionl Indian Costumes and Textiles	latest

(GA406) GENTS GARMENTS

1. COURSE OBJECTIVES:

Students will learn designing, Cutting, Stitching & finishing of Gents garments. They will be able to design better gents garments after knowing the technicalities involved. They will be able to draft & cut Gents wear. They will be able to stitch & finish Gents garments. They will be able to recognize and find Fabrics suitable for Gents garments.

2. TEACHING AND EXAMINATION SCHEME:

SEMESTER IV									
Course Code & Course Title	Periods/ Week (In Hours)			Total Credit	Examination Scheme				
					Theory Marks		Practical Marks		Total Marks
GA 406 GENTS GARMENTS	L	T	P	H	TH	TM	TW	PR/ OR	150
	-	-	6	6	-	-	75	75	

3. COURSE OUTCOMES:

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

1. Take measurements as required for each Upper & Lower Garment
2. Understand Standard measurements for Gent
3. Make different types of Gents garments
4. Design better garments based on body shape, suitability of occasion, etc

4. Mapping Course Outcomes with Program outcomes

	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline specific knowledge	Problem Analysis	Design/ Development of	Engineering tools, Experimentation	Engineering practices for society,	Project management	Life long learning
CO 1	2	1	2	3	2	1	3
CO 2	2	2	-	1	1	-	3
CO 3	2	1	3	2	1	1	2
CO 4	1	1	3	1	1	1	2

Relationship: 1: Slight(Low) 2: Moderate (Medium) 3: Substantial (High)

	PSO1	PSO 2
	Research & Development in Design	Satisfy Customer Needs
CO 1	2	3
CO 2	-	1
CO 3	2	3
CO 4	3	3

5. DETAILED COURSE CONTENTS/ MICRO LESSON PLAN

M= Marks	Thr = Teaching hours	CO= Course Objectives	M	Thr	CO	Level
Unit 1 Introduction 1.1				**(10 Pr)**	**1,2**	**1,2,3**
1.2	Introduction to Gents garments. Types of prints and Fabrics suitable.					
1.3	Understanding standard measurements of gent's garments & developing skills of taking measurements.					
1.4	Drafting basic blocks for Gents garments using standard and actual body measurements.					

1.5 Stitching a Banian in Woven material (Cora or Khadi) using Basic Block				
Unit 2 Kurtas for Men		**(22 Pr)**	**2,3, 4**	**2,3, 4**
2.1 Designing of Short & Long Kurtas. Sherwani.				
2.2 Stitching of a Kalidar Kurta consisting of Kurta Placket and Pocket.				
Unit 3 Shirts for men		**(24 Pr)**	**2,3, 4**	**2,3, 4**
3.1 Designing of Full Sleeve, half sleeves shirts & cowboy Shirt.				
3.2 Stitching of a Formal Shirt consisting of Shirt collar, patch pocket, Concealed front and back yoke, Placket and standard Cuff.				
Unit 4 Trousers for Men		**(26 Pr)**	**2,3, 4**	**2,3, 4**
1.1 Designing of Trousers, shorts, Bermudas for Men.				
1.2 Stitching of a Formal trouser **c**onsisting of Waist band, Fly front opening, Darts and Pleats, Inseam and Welt/ bound pocket.				
Unit 5 Jackets for Men		**(14 Pr)**	**2,3 4**	**2,3 4**
5.1 Designing of Jackets, Waist coats, Blazers & Coat				
5.2 Stitching of a Sleeveless Nehru Jacket**.** Reversible waist coat with Stand collar and welt and bound pocket.				
5.3 Field trip for learning how to cut & stitch a Formal Blazer/Jacket & Coat.				
Total		**(96 Pr)**		

6. COURSE DELIVERY:

The course will be delivered through lectures, classroom interactions, exercises and case studies.

7. SPECIFICATION TABLE FOR THEORY/ MACRO-LESSON PLAN

UNIT NO.	UNIT	Number of lectures	Marks
1	Introduction	(10 Pr)	
2	Kurtas for Men	(18 Pr)	
3	Shirts for men	(20 Pr)	
4	Trousers for Men	(26 Pr)	
5	Jackets for Men	(12 Pr)	
	Total	(92 Pr)	

8. SPECIFICATION TABLE FOR TERM WORK & PRACTICAL HOURS

No.	Practical Title	Marks
1	Assignment on types of fabrics, prints used for Gents garments. Fabric swatches to be collected.	10
2	Chart of standard measurement and actual measurements.	10
3	Drafting of Basic bodice block of standard and actual measurements.	20
4	Drafting, Cutting & stitching of a Banian in woven material using Kora or Khadi fabric.	40
5	Drafting, Cutting & Stitching of a kurta along with Kurta pocket and placket	40
6	Drafting, Cutting & Stitching of a formal Shirt	40
7	Drafting , Cutting and stitching of trouser with front hip/side seam pocket, bound pocket at back. Pleats/darts in front, darts behind, Fly front opening with zipper	40
8	Stitching of reversible Jacket using standard measurements. Option of using different coloured fabric on either side	40
9	Field Visit to a unit manufacturing jackets & Coats	10
	Assignments of 250. Marks obtained are then totalled & divided by 250& multiplied by 40. Additional 5 marks for Journal , 2 for submitting on time & 3 for Class performance =Total 50	50
1	At least 10 covering all units above	
2		
No.	**Tutorial Exercise**	**Marks**
1	At least 10 problems on each unit given above	
	Total	50

9. LEARNING RESOURCES

Text Books

Sr.No.	Author	Title	Publication and Year
1.	Roberto Cabrera Patricia Flaherty Meye	Classic Tailoring Techniques – A construction guide for men's wear	1983
2.	Tanya Dove	Men's wear Pattern cutting Pattern Drafting	latest
3.	Winifred Aldrich	Metric Pattern cutting for Menswear	latest
4.	Gareth Kershaw	Pattern Cutting for Menswear	latest
5.	Steven Voges, Nicholas S.C. Gordon	Contemporary Menswear – A Global guide to independent men's fashion	latest

DIPLOMA IN GARMENT TECHNOLOGY

SYLLABUS FOR Vth SEMESTER

BOARD OF TECHNICAL EDUCATION, GOA STATE PROGRAMME STRUCTURE FOR DIPLOMA IN GARMENT TECHNOLOGY
GOA STATE
Duration of Programme

SEMESTER V										
Course Code	**Name of Course**	**TEACHING SCHEME (In Hours)**				**EXAMINATION SCHEME**				**Total Marks**
		L	T	P	H	Theory Marks		Practical Marks		
						TH	TM	Pr/Or	TW	
TR 501	INDUSTRIAL TRAINING	-	-	15	15	-	-	30	70	Grade
GA 501	WOMEN'S PATTERN CONSTRUCTION (Western)	-	-	05*	05	-	-	75	50	125
GA 502	FASHION EVENT MANAGEMENT	-	-	03*	03	-	-	25	50	75
CC 502	ESSENTIALS OF ENTREPRENEURSHIP DEVELOPMENT	-	-	02*	02	-	-	-	25	25
	ELECTIVE 1**									
GA511 OR	FASHION INDUSTRY ESSENTIALS (E1)	03*	0	02*	05	75	25	25	25	150
	OR									
GA512 OR	DYEING & PRINTING (E1)	03*	0	02*	05	75	25	25	25	
	OR									
GA513	CRAFTS OF INDIA (E1)	03*	0	02*	05	75	25	25	25	
AC101	ESSENCE OF INDIAN KNOWLEDGE AND TRADITION	02*	-	-	02	-	-	-	-	-
TOTAL					**32**					**375**

Legends:
TH – Theory Head
TM – Test Marks
PR/OR- Practical/ OralTW- Term Work

***** Workload shall be doubled, in case of offline classes

** Electives offered can be a minimum of two or more, as per class size

(TR501) INDUSTRIAL TRAINING

1. COURSE OBJECTIVES:

The students need to have industry exposure, where they can experience real life situations related to Man, machine and materials. It is a Training programme designed to expose & prepare the students for the Industrial work situation. This exposure and hands on experience, will further encourage the students to take up industrial projects and enhance their prospects for better employment in their relevant fields.

2. PRE-REQUISITES:

Knowledge of fundamental subjects.

3. TEACHING AND EXAMINATION SCHEME

SEMESTER V									
Course code & Course title	Periods/Week (in hours)			Total Credits	Examination Scheme				
					Theory Marks		Practical Marks		Total Marks
	L	T	P	H	TH	TM	TW	PR/OR	
(TR501) INDUSTRIAL TRAINING	-	-	15	15	-	-	70	30	GRADE

4. COURSE OUTCOMES:

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

CO1 : Relate the knowledge of theory learnt in academics with practical work at industry.

CO2 : Understand functioning of various departments and processes in the industry.

CO3 : Prepare technical documents and give oral presentations related to the work undertaken orobserved.

CO4 : Operate various machines, equipments, tools etc, wherever possible and applicable, underthe guidance and mentor-ship of industry personnel.

5. MAPPING COURSE OUTCOMES WITH PROGRAM OUTCOMES

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline Specific Knowledge	Problem Analysis	Design and Development of Solutions	Engg. Tools, Experimenting & Testing	Engg. Practices for Society, Sustainability & Environment	Project Management	Life -long Learning
CO1	3	2	0	1	0	3	0
CO2	3	1	1	1	1	2	0
CO3	3	0	0	2	0	1	0
CO4	3	2	2	3	1	1	0

Relationship : Low-1 Medium-2 High-3

	PSO1	PSO2
CO1	1	2
CO2	1	1
CO3	1	2
CO4	2	2

6. DETAILED COURSE CONTENTS / MICRO-LESSON PLAN

M = Marks	Th/Pr = Teaching hours	CO = Course Outcome	M	Pr	CO
Students are required to study and have hands-on experience wherever possible in the following areas (depending on availability): 1. Company Profile 2. Organizational Structure 3. Company Product Range 4. Manufacturing Facilities Available /Services provided 5. Plant / Facility Layout 6. Operations / Production Processes 7. Production Planning and Control 8. Detail study of Latest Equipment/ Technologies Used 9. Stores Functions 10. Material Handling Systems/ Equipments 11. Quality Management Systems / Functions 12. Maintenance and Repair Practices 13. Safety Practices / Safety Equipments 14. Utilities 15. Logistics 16. Sales and Marketing 17. Ethics, Statutory Rules and Regulations followed					CO1 CO2 CO3 CO4
18. Product Design and Development 19. Any other area specific to the Industry providing Training					

7. COURSE DELIVERY:

The Course will be delivered through placement of the students in various industries

8. TERM WORK & PRACTICALS

Evaluation Scheme					
TW				**PR/OR**	TOTAL Marks
Attendance Marks*	Industrial Mentor's assessment Marks	Institute Mentor's assessment Marks	Training Report	Report Assessment & Seminar/Viva	
10	**20**	**20**	**20**	**30**	**100**

* 01 mark shall be deducted for every Absence (with or without permission).

Daily Dairy:

The daily dairy should-be maintained in a book. It should reflect the day to day activities performed by the student (including task, men and materials involved). It should be countersigned by the Industry Mentor. It will become the basis for writing reports on the complete training.

Training Report

The training report should be submitted by the training students should include the following salient points- Certificate from institute, Certificate of training from company, detailed write up as per daily dairy, detailed drawings, working drawings, photographs, safety precautions, techniques for work minimization on site, organizational chart, Importance of project to the society, special methods/techniques/equipment should be separately high lightened, including environmental aspects. The report should be informative and technical, typed with double spacing on good quality bond paper and bound. Assessment of Training Report be based on Knowledge, Presentation, Quality of contents and Sketches.

Note:

a. Student/s undergoing Industrial Training shall follow Rules and Regulations of the Industry.

b. Industrial Training will generally be organized and conducted in accordance with Industrial Training Manual duly prescribed by the Board.

9. SUGGESTED SPECIFICATION TABLE WITH MARKS & HOURS

Unit No	Name of the Unit	Teaching Hours	Marks
1	**PR/OR**	**08 weeks**	**30**
2	**TW**		**70**
	Total	**08 weeks**	**100**

Note:

1. For Industrial training Grades will be awarded based on marks scored as follows:80% and above Marks – Grade 'A'

   60% to 79% Marks – Grade 'B' 40% to 59% Marks – Grade 'C' Marks below 40% - Grade 'D'

2. TW and PR/OR shall be separate heads of passing. Student has to secure minimum Grade 'C' for passing.

(GA501) WOMEN'S PATTERN CONSTRUCTION (WESTERN)

1. COURSE OBJECTIVES:

The students will able to learn different Designs for women's western garments. They will be able to learn drafts and construction methods of western garments. They will be able to understand different Women's western garments. They will be able to identify various sleeves and collars that can be used in women's western patterns. They will be able to draft and construct 2 dart bodice block, it's fitting and manipulation to various patterns.

2. TEACHING AND EXAMINATION SCHEME

SEMESTER V									
Course code & Course title	Periods/Week (in hours)			Total Credits	Examination Scheme				
					Theory Marks		Practical Marks		Total Marks
(GA 501) WOMEN'S PATTERN CONSTRUCTION	L	T	P	H	TH	TM	TW	PR/OR	
	-	-	05	05	-	-	50	75	125

3. COURSE OUTCOMES:

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

CO1 : Understand Women's Western Garments and its parts like various sleeves collars andnecklines used.

CO2 : Construction and manipulation of the two dart bodice block.

CO3 : Apply knowledge gained in fitting and alterations of various western wear.

CO4 : Create new designs and construct the same.

4. MAPPING COURSE OUTCOMES WITH PROGRAM OUTCOMES

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline Specific Knowledge	Problem Analysis	Design and Development of Solutions	Engg. Tools, Experimenting & Testing	Engg. Practices for Society, Sustainability & environment	Project Management	Life -long Learning
CO1	3	2	3	2	1	2	3
CO2	3	2	3	2	1	2	2
CO3	3	3	3	1	1	2	3
CO4	3	3	3	1	1	3	3

Relationship : Low-1 Medium-2 High-3

	PSO1	PSO2
	Research and Development in Design	Satisfy Customer Needs
CO1	2	3
CO2	3	2
CO3	3	3
CO4	3	3

5. DETAILED COURSE CONTENTS / MICRO-LESSON PLAN

M = Marks	**Th/Pr = Teaching hours**	**CO = Course Outcome**		
Unit		**M**	**Pr**	**CO**
1 UNIT : INTRODUCTION			02	CO1
1.1 Understanding western garments. Measurements required, parts of the garments such as sleeves, collars, necklines and various cuts used in				
western wear.				
2 UNIT : SLEEVES, COLLARS AND NECKLINES.			36	CO2
2.1 Drafting of Raglan, Dolman, Kimono and Magyar sleeves to ¼ th scale				
2.2 Stitching a sample of Raglan and Kimono sleeve				
2.3 Drafting and stitching of samples of Peter-pan, Convertible roll collar				
2.4 Drafting and stitching of samples Shawl collar and raised neckline.				
2.5 Drafting and stitching of Cowl neckline.				
2.6 Drafting and stitching of Notch collar				
3 UNIT : TWO DART BODICE BLOCK			24	CO3
3.1 Drafting of a two dart bodice block as per standard measurements and as per self measurements.				
3.2 Drafting of plain sleeve for two dart bodice block.				
3.3 Stitching of the self measurement two dart bodice block and sleeve in kora/grey fabric.				
3.4 Understanding concept of fitting and alterations in blocks as per figure requirements.				
4 UNIT : STRAPLESS/HALTER DRESS			10	CO3
4.1 Manipulating the two dart bodice block into a strapless /halter dress and cutting and sewing the same using lining				
5 UNIT : BIAS CUT SKIRT			08	CO 2

5.1 Drafting, cutting & sewing of low waist bias fitted skirt of calf length.(Pattern will be drafted, seam line will be stitched/basted and then cut as for bias cut garments) Garment will be finished with suitable seams and fasteners			
Total		**80**	

6. COURSE DELIVERY:

The Course will be delivered through lectures, class room interactions, exercises and case studies

7. SPECIFICATION TABLE FOR TERM WORK & PRACTICALS HOURS

No	Practical	Marks
1.	Preparation of sheets of various types of collars, sleeves, necklines and cuts used in western garments (each category sheet should be marked)	02
2	Drafting of Raglan, Dolman, Kimono and Magyar sleeve to 1/4th scale (each sleeve should be marked)	02
3	Stitching of a sample of Raglan and Kimono sleeve.	04
4	Drafting, cutting and sewing a sample of Peter-pan collar.	04
5	Drafting, cutting and sewing a sample of Convertible collar .	04
6	Drafting, cutting and sewing a sample of Roll collar .	04
7	Drafting, cutting and sewing a sample of Shawl collar	04
8	Drafting, cutting and sewing a sample of Raised neckline	04
9	Drafting of Cowl neckline	02
10	Drafting, cutting and sewing a sample of Notch collar	04
11	Drafting of two dart bodice block using self measurements	04
12	Drafting of two dart bodice block using self measurements and stitching the same in khora/grey fabric.	04
13	Drafting, cutting and stitching of a strapless or halter dress with lining	04
14	Drafting, cutting and sewing of bias cut skirt as per syllabus details	04

	Practical work will include working on assignments. Practical work will include working on assignments prescribed in the syllabus. All the assignments will be marked on the basis of work done in class. A journal will be maintained of class work and marked for 05 marks under internal assessment; the division of 05 marks is as follows; Attendance- 01 marks, punctuality in submission- 01 marks, neatness & Presentation of work – 03 marks. The remainder of the PPA i.e. 45 marks will include regular class work	
	Total	**50**

8. LEARNING RESOURCESText

Books

S. No.	Author	Title of Books	Publishers
1	Natalie Bray-	Dress Pattern Designs	Blackwell Science
2	Natalie Bray-	More Dress Pattern Designs	Blackwell Science
3	Natalie Bray-	Dress Fitting	Blackwell Science
4	Ann Haggar-	Pattern Cutting For Lingerie, Beachwear, and Leisure wear	Blackwell Science
5	Gerry Cooklin,	Pattern Cutting For Women's Outer wear	Blackwell Science
6	Pamela Stringer,	Pattern drafting for dress making	B.T. Bats Ford, London

(GA502) FASHION EVENT MANAGEMENT

1. COURSE OBJECTIVES:

The students will learn the various important aspects of event management. They will understand the role, impact and importance of fashion shows in the fashion industry. A platform will be created for awareness thus empowering the designers to unveil or recreate the road that takes the fashion industry to a different level through a fashion show. A sense of team spirit is built. They will learn the risks and rewards involved in events. They will understand the need and learn the art of time management. They will understand the potential of organizing and executing a fashion event.

2. TEACHING AND EXAMINATION SCHEME

SEMESTER V									
Course code & Course title	Periods/Week (in hours)			Total Credits	Examination Scheme				
					Theory Marks		Practical Marks		Total Marks
(GA 502)	L	T	P	H	TH	TM	TW	PR/OR	
FASHION EVENT MANAGEMENT	-	-	03	03	-	-	50	25	75

3. COURSE OUTCOMES:

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

CO1 : Relate to fashion terminology and logistics used in fashion events.

CO2 : Interpret their imaginations into garment designs that can be showcased to a largeaudience.

CO3 : Plan the event from start to finish and forecast potential bottlenecks and execute the eventprofitable

CO4 : Acquire the skills that empower and enable them to create a niche in the fashion world

4. MAPPING COURSE OUTCOMES WITH PROGRAM OUTCOMES

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline Specific Knowledge	Problem Analysis	Design and Development of Solutions	Engg. Tools, Experimenting & Testing	Engg. Practices for Society, Sustainability & Environment	Project Management	Life -long Learning
CO1	1	0	0	1	1	1	3
CO2	2	2	3	2	1	3	2
CO3	2	2	2	1	1	3	2
CO4	1	1	2	1	1	1	1

Relationship : Low-1 Medium-2 High-3

	PSO1	PSO2
CO1	0	1
CO2	3	2
CO3	3	2
CO4	3	2

5. DETAILED COURSE CONTENTS / MICRO-LESSON PLAN

M = Marks	**Th/Pr = Teaching hours**	**CO = Course Outcome**		
Unit		**M**	**Pr**	**CO**
1 UNIT : INTRODUCTION			06	CO1
1.1 What is the purpose of creating an Event Concept				
1.2 Background of Fashion shows				
1.3 Types of fashion events				
1.4 Role of fashion shows in the fashion industry				
1.5 Fashion weeks and related events that influence trends and styles.				
1.6 Terminology used in events				

2 UNIT : LOGISTICS OF CONDUCTING A FASHION SHOW		06	CO1
2.1 Planning and Budget			
2.2 Human resource management			
2.3 Venue and Green room			
2.4 Sound, light, stag and stage setup			
2.5 Videographer and photography			
2.6 Invites and brochures			
2.7 Hair, Makeup			
2.8Choregraphy and Compeering			
2.9 Press and Promotion			
2.10 Awards, certificates and mementos			
2.11 Trials and Fittings			
2.12 Rehearsals			
3 UNIT : THEME SELECTION		26	CO2 CO3 CO4
3.1 Brain storming sessions			
3.2 Short list and discussions			
3.3 Final theme and sequences			
3.4 Mood board and designs as per theme selected			
3.5 Final selection of designs with accessory details			
4 UNIT : COLLECTION OF DATABASE AND ESTABLISHING THE COMMITTEE		04	CO3
4.1 Listing of at least 3 names/firms/contract in each of the logistics. List to be compiled and submitted by participating student			

4.2 Formation of a Committee by students to execute the event			
5 UNIT : EVALUATION OF EVENT		06	CO3
5.1 Feedback of event by all stakeholders in a specific format			
5.2 Press releases			
Total		**48**	

6. COURSE DELIVERY:

The Course will be delivered through lectures, class room interactions, exercises and casestudies.

7. SPECIFICATION TABLE FOR TERM WORK & PRACTICALS HOURS

No	Practical	Marks
1.	Identifying few events that have occurred in the recent past	10
	Chart on types of fashion events	
	List out various fashion weeks and history of fashion week's world over .	
2.	2.1 to 2.2 to be explained to students	05
	Viewing of past shows to be organized for current students	
3.	Brain storming for a theme	20
	Short listing of theme and discussing of the same	
	Final theme selection and categories for presentation during show.	
	Name, invite, date, venue to be finalized for the fashion show	
	Mood boards and designs based on theme to be finalized	
	Final selection of designs with tailored sketch and description to be marked	
4.	Each student will prepare a database of at least 3 names in each section with fine details	10
	Committee to be formed by students to designate work for conducting smooth flow of event	
	All information to be documented	

5.	Explain the process and need for evaluating an event	05
	Format for feedback to be designed	
	Profit and loss statement to be explained to students	
	Total	**50**
No	**Class room Assignments**	**Marks**
1	At least 10 covering all units above	
No	**Tutorial Exercise**	**Marks**
1	At least 10 problems on each unit given above	
	Total	**25**

8. LEARNING RESOURCESText

Books

S. No.	Author	Title of Books	Publishers
1.	Lynnvan Der Wagen Brenda R. Carlos	Event Management for tourism, cultural business and sporting events	Latest
2.	Pearson Education, Inc. Compiled by K. Shivaramana Gowda	Marketing Management	Latest
3.	Excel Team of Book writers	Conflict Management & Negotiation Skills	Latest

(CC502) ESSENTIALS OF ENTREPRENEURSHIP DEVELOPMENT

1. COURSE OBJECTIVES:

Today Entrepreneurship is given importance by the government to bring the youth of our country to overcome the problem of unemployment and bring them in the main stream of global business to strengthen Indian economy by Make in India philosophy. Government has announced various financial schemes for young youth and women to support them for setting up an enterprise. To fulfill this, youth are to be prepared for setting an enterprise. The students undergoing this course will be able to develop entrepreneurial traits and confidence within themselves and choose entrepreneurship as a career to brighten their future.

2. TEACHING AND EXAMINATION SCHEME:

Course Code & Course Title	Periods/ Week (In Hours)			Total Credits	Examination Scheme				
					Theory Marks		Practical Marks		Total Marks
(CC 502)	L	T	P	C	-	-	PR/OR	TW	
ESSENTIALS OF ENTREPRENEURSHIP DEVELOPMENT	-	-	02	02	-	-	-	25	25

3. COURSE OUTCOMES:

CC502.CO1: Recognize the type of entrepreneur and enterprises. **CC502.CO2:** Describe basic financial & legal aspects of business. **CC502.CO3:** Conceptualize a business idea.

CC502.CO4: Develop the project report for new enterprise.

4. MAPPING COURSE OUTCOMES WITH PROGRAM OUTCOMES

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO1	PSO2
CO1	1	0	0	0	2	3	2	1	2
CO2	2	0	0	0	0	3	2	1	2
CO3	0	1	2	0	0	0	2	1	2
CO4	3	2	2	0	2	0	2	1	2

Relationship : Low-1 Medium-2 High-3

5. DETAILED COURSE CONTENTS/ MICRO-LESSON PLAN

M=Marks	**Th/Pr = Teaching hours**	**CO = Course Outcome**		
Unit		M	Pr	CO
1 UNIT : INDIAN BUSINESS ENVIRONMENT				
1.4 Introduction to Entrepreneurship Development (EDP) 1.5 Brief details of following terms : India GDP, IIP data, Govt. business policies, Environmental policy, Effects of global policies, Anti-dumping duty, Effects of national budget on start-ups and businesses.			04	CO1
2 UNIT : VARIOUS TYPES OF BUSINESSES				
2.1 Brief details of following businesses: Cyclical and Non-cyclical business, Seasonal and Non-seasonal business, Monopoly and Duopoly business, Concept base business, Commodity and Non-commodity business, Asset light business, b2b and b2c business, 2.2 Difference between Subsidiary and Associate company			06	CO1
3 UNIT : SELECTION OF BUSINESS				
3.1 Types of Sectors, Steps in sectoral analysis, factors to pick up a Sector, Data collection of Sectors. 3.2 Terminologies: Sector rotation, Gross block addition. 3.3 Steps to read Outline of balance sheet, profit-loss statement, cash flow statement. 3.4 Data analysis on following factors: i) Market growth ii) Sector consolidation. 3.5 Brief details of following: Profitability, Effect of Govt policies, Pricing power, Debt, working capital, return on capital employed, Cash conversion cycle, Companies with peer group.			04	CO1 CO2

4 UNIT : SETTING UP OF BUSINESS			
4.1 Various Govt depts. and organization supporting business ideas. 4.2 Methods to raise capital (difference between Banks and NBFC). 4.3Factors in machine, material, manpower procurement, advertising, product specialty, 4.4 Micro, Small and Medium Enterprises (MSME), Govt support for MSME, Private Limited and Public Limited Enterprises, 4.5 Goods & Service Tax(GST), Registering for GST and go ahead, 4.6Various income tax slabs, 4.7Application for various utility connections, various permissions required to set up business.		10	CO1 CO2 CO3
5 UNIT : EXPANSION OF BUSINESS			
5.1Types of investors: angel investors, venture capitalist, promoters. 5.2Terminology: 5.2.1 EPS, EPS growth, P/E ratio, 5.2.2 Market capital, paid up capital, authorized share capital, 5.2.3Corporate governance, Related party transactions, business insiders, assets and inventory turnover, break even analysis, brown field and green field expansion. 5.3 Listing start up on stock exchange &Govt support. 5.4 Business report writing, Reading of Red Herring prospectus		08	CO1 CO2 CO3 CO4
Total		**32**	

6. COURSE DELIVERY:

Videos / Lectures/ Practical's /Expert lectures / Industry visits/ documentaries/movies

Suggested expert talk on

- Various Government schemes
- GST
- Financial literacy
- Any relevant topic

7. SPECIFICATION TABLE FOR PRACTICALS

Unit No.	Topic	Teaching Hours/ Semester
1	INDIAN BUSINESS ENVIRONMENT	04
2	VARIOUS TYPES OF BUSINESSES	06
3	SELECTION OF BUSINESS	09
4	SETTING UP OF BUSINESS	09

Unit No.	Topic	Teaching Hours/ Semester
5	EXPANSION OF BUSINESS	04
	Total	**32**

8. SPECIFICATION TABLE FOR TERM WORK & PRACTICAL HOURS

No	**Classroom Assignments**	**Marks**
1.	Prepare a Case Study on leading enterprise or small-scale unit	06
2.	Prepare a report on various government schemes for start-up.	04
3.	Prepare SWOT analysis for a new business idea.	05
4.	Prepare Project Report for a new business idea.	10
	OR	
1.	Preparing a project report on basis of draft Red Herring prospectus	**25**

9. LEARNING RESOURCES

S.No.	Author	Title of Books	Publisher
1.	Sharadjawadekar, shobhadodlani,	Business entrepreneurship	Suvicharprakashanmandalpune,
2.	S.S. Khanna	Entrepreneurship development	S. Chand & Co. Ltd, New Delhi,
3.	Vasant Desai	Management of small-Scale Industry in India	Himalaya Publishing House
4.	DilipSarwate	Entrepreneurial development Concepts and practices	Everest Publication House, Pune
5.	CB Gupta and P Srinivasan	Entrepreneurship Development	S. Chand and Sons, New Delhi

https://ncert.nic.in/ncerts/l/leac203.pdf

https://ncert.nic.in/ncerts/l/leac204.pdf

https://www.wirc-icai.org/images/publication/IND-AS-BOOK.pdf

https://cma.org.sa/en/Awareness/Publications/booklets/Booklet_4.pdf

https://www.icsi.edu/media/portals/25/IPO.pdf

https://old.mu.ac.in/wp-content/uploads/2017/01/FINANCIAL-STATEMENT-ANALYSIS.pdf

https://ncert.nic.in/textbook/pdf/jess202.pdf

https://dea.gov.in/sites/default/files/

https://dea.gov.in/monthly-economic-report-

table

https://rbidocs.rbi.org.in/rdocs/Publications/PDFs/0HSIE_F.PDF

https://ncert.nic.in/textbook/pdf/lebs202.pdf

https://www.oecd.org/industry/inv/investmentfordevelopment/338061

26.pdf https://www.youtube.com/watch?v=NV8Ew6PcQhY

file:///C:/Users/User/Downloads/1-s2.0-S0970389617304664-

main.pdf

INSTIUTIONAL ELECTIVE

1. RATIONALE:

It has been observed that the curriculum prescribed, is many times out of context of Industry, on account of the pace with which technology development is taking place at Industry end. Due to this, gap exists between the Industry requirement of manpower and manpower produced by the Polytechnics. Board takes some time to incorporate the development of technology in the curriculum and many a times technology becomes outdated when it is incorporated in the curriculum. Further the expertise to train students as per Industry current requirement is available at the institute, but the same cannot be taught to students, as it is not a part of curriculum.

To address this situation, Board has decided to permit Institutions affiliated to Board, to identify such technologies or other aspects and teach the same to the students as an elective subject called "Institutional Elective". Through this Institutional Elective subject, Institutions will be able to cater to the requirements of Industry by identifying theirimmediate requirement and prepare the students for the requirement by developing the curriculum in consultation with the Industry.

As many a time's same subject may not be offered more than one or two years, a non conventional way of teaching – learning may be required to be adopted. Participation of Industry experts, guest lecturers, visit to Industry, exploring the knowledge available onnet, etc may be essential to achieve the objectives.

(INSTITUTE ELECTIVE - E1) (GA511)

FASHION INDUSTRY ESSENTIALS

1. COURSE OBJECTIVES :

The students will be familiarized with all the essentials of fashion industry and fashion marketing; and job careers in the field of fashion. They will get acquainted with various terminologies and aspects in fashion industry. They will gain knowledge about marketing and promotion skills needed for fashion business. They will be able to choose from the various career options on completion of the diploma programme. They will get to know the fashion designers around the world and take inspirations from them.

2. TEACHING AND EXAMINATION SCHEME

SEMESTER V									
Course code & Course title	Periods/Week (in hours)			Total Credits	Examination Scheme				
					Theory Marks		Practical Marks		Total Marks
(GA 511)	L	T	P	H	TH	TM	TW	PR/OR	
FASHION INDUSTRY ESSENTIALS	03	-	02	05	75	25	25	25	150

3. COURSE OUTCOMES:

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

CO1 : Discuss the levels of fashion and gain insight of fashion schools, fashion centers of theworld.

CO2 : Recall fashion designers and their contribution in the fashion field.

CO3 : Create, develop and execute the produced merchandise in the right way to attract lot ofpotential customers.

CO4 : Develop PR skills and choose the appropriate career from the various options discussed.

4. MAPPING COURSE OUTCOMES WITH PROGRAM OUTCOMES

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline Specific Knowledge	Problem Analysis	Design and Development of Solutions	Engg. Tools, Experimenting & Testing	Engg. Practices for Society, Sustainability & Environment	Project Management	Life -long Learning
CO1	2	0	1	0	0	0	3
CO2	3	0	2	0	1	2	3
CO3	2	2	2	2	2	2	2
CO4	2	2	2	2	0	2	2

Relationship : Low-1 Medium-2 High-3

	PSO1	PSO2
CO1	2	1
CO2	2	2
CO3	3	3
CO4	3	3

5. DETAILED COURSE CONTENTS / MICRO-LESSON PLAN

M = Marks	**Th/Pr = Teaching hours**	**CO = Course Objectives**		
Unit		**M**	**Th/Pr**	**CO**
1 UNIT : THE FASHION INDUSTRY		12	06/04	CO1
1.1 Levels of fashion				
1.2 Fashion Cycles and forecasting				
1.3 Fashion Centers of the world				
1.4 Well known schools of fashion (Indian & International) and what they offer				
2 UNIT: FASHION DESIGNERS AND THEIR CONTRIBUTION AND STYLE INFLUENCE		13	06/04	CO2

2.1 International Designers - country of origin, work style/trade mark, and appreciation of their designs			
2.2 National Designers - country of origin, work style/trade mark, appreciation of their designs			
2.3 Local Designers – their work style/trade mark, appreciation of their work			
3 UNIT: VISUAL MERCHANDISING	18	14/16	CO3
3.1 Store designs, layouts/ display.			
3.2 Types of displays (point of purchase, retail store, interactive, freestanding, motion, light & sound etc.)			
3.3 Key aspects in display (flooring, lighting, surfacing, fixtures, signage, graphics, visual props, mannequins & in-store technology etc.)			
4 UNIT: DEVELOPING FASHION MARKETING AND PR SKILLS	20	16/04	CO4
4.1 Collaborative Marketing: what is collaborative marketing importance in fashion business and how it works.			
4.2 Social Media: what are social medias and how they can be used in fashion business. , fashion promotions and advertisement.			
4.3 Public relations: what is PR in fashion, what skills needed for a good PRO in fashion.			
5 UNIT: FASHION CAREERS- KNOWLEDGE OF VARIOUS CAREER OPTIONS IN FASHION FIELD	12	06/04	CO4
5.1 Manufacturing			
5.2 Retailing			
5.3 Free lancing			
5.4 Photography			
5.5 Journalism			
5.6 Entrepreneurship			
5.7 Stylist/ Model coordinator			
5.8 Choreography			
5.9 Event coordinators			
5.10 Teaching			
5.11 Assistant Designer			
5.12 Accessory designing			
5.13 Designer exhibitor			
5.14 Image consultants etc.			
5.15 Virtual online retail			
Total	**75**	**48/32**	

6. COURSE DELIVERY:

The Course will be delivered through lectures, class room interactions, exercises and case studies

7. SPECIFICATION TABLE FOR THEORY/ MACRO-LESSON PLAN

Unit No	Unit	Number of lectures	Marks
1	The Fashion Industry	06	12
2	Fashion Designers and their Contribution/Influences	08	13
3	Visual Merchandising	12	18
4	Developing Fashion Marketing and PR skills	16	20
5	Fashion Careers- knowledge of various career options in fashion field	06	12
	Total	**48**	**75**

8. SPECIFICATION TABLE FOR TERM WORK & PRACTICALS HOURS

No	Practical	Marks
1.	Levels of fashion, Fashion cycles, Fashion centers of the world, Sourcing fashion schools/ institutes both Indian & International and identifying what they offer in terms of specializations, streams etc.	05
2.	Creating a portfolio of various designers (world over), established and up-coming & identifying with their style of work and uniqueness.	05
3.	Field visit to various outlets (local) to get a visual glimpse of methods, types and inspirations that contribute to the display. Interior and Exterior displays. - Group presentation of chosen theme	05
4.	Study of any 2 latest fashion events, marketing strategies and PR .Role of media in the fashion industry. How to market an event.	05
5.	Preparing a document on the various careers in the fashion industry. Requirements for each career with respect to:- 1. Qualification 2. Job profile 3. Skills required etc.	05
	Total	**25**
No	**Class room Assignments**	**Marks**

No	Tutorial Exercise	Marks
1	At least 10 problems on each unit given above	
	Total	**25**

9. LEARNING RESOURCESText

Books

S. No.	Author	Title of Books	Publishers
1	Florence Muller	The Fashion Game Book	Latest
2	Nina Garcia	The Little Black book of style Fashion: The Definitive	Latest
3	Julia Yates	The Fashion Careers Guide book	Latest
4	Peter Vogt	Career Opportunities in the fashion Industry	Latest

(INSTITUTE ELECTIVE - E1)

(GA512) DYEING & PRINTING

1. COURSE OBJECTIVES:

The students will gain knowledge on the techniques of dyeing and printing, thus they can use thevarious methods of dyeing and printing to create their own designs on textiles and garments.

2. TEACHING AND EXAMINATION SCHEME

SEMESTER V									
Course code & Course title	Periods/Week (in hours)			Total Credits	Examination Scheme				
					Theory Marks		Practical Marks		Total Marks
	L	T	P	H	TH	TM	TW	PR/OR	
(GA512) DYEING & PRINTING	03	-	02	05	75	25	25	25	150

3. COURSE OUTCOMES:

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

CO1 : Identify and select different dyes suitable for different types of fabric.
CO2 : Dye fabrics and garments using different dyes and methods.
CO3 : Identify various dyeing and printing defects
CO4 : Identify the styles and methods of printed textiles.

4. MAPPING COURSE OUTCOMES WITH PROGRAM OUTCOMES

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline Specific Knowledge	Problem Analysis	Design and Development of Solutions	Engg. Tools, Experimenting & Testing	Engg. Practices for Society, Sustainability & Environment	Project Management	Life -long Learning
CO1	3	2	2	1	2	0	3
CO2	1	1	2	1	1	1	3
CO3	1	1	2	1	1	1	3
CO4	1	1	2	1	1	1	3

Relationship : Low-1 Medium-2 High-3

	PSO1	PSO2
	Research and Development in Design	Satisfy Customer Needs
CO1	3	3
CO2	1	1
CO3	1	1
CO4	2	2

5. DETAILED COURSE CONTENTS / MICRO-LESSON PLAN

M = Marks	**Th/Pr = Teaching hours**	**CO = Course Outcome**		
Unit		**M**	**Th/Pr**	**CO**
1 UNIT : INTRODUCTION AND TECHNIQUES OF DYING AND PRINTING		04	02/01	Co1
1.1 Introduction to Dyeing – Direct method, Discharge method, Resist method.				
1.2. Introduction to Printing – Direct printing method, Discharge printing method, Resist printing method.				
2 UNIT : CLASSIFICATION OF DYES		15	08/03	CO1 CO2
2.1 Natural Dyes and their types				
2.1.1 Plant Source				
2.1.2 Animal Source				
2.1.3 Mineral Source				

2.2 Synthetic Dyes- Direct dyes, Basic dyes, Mordant dyes, Azoic dyes, Disperse dyes, Sulphur dyes, Reactive dyes- chemical content, method of dyeing, suitability of dyes to different yarns and fabrics.			
2.3 Pigment dyes – types and uses			
2.4 Optical Brighteners – types and uses			
3 UNIT : DYEING	22	18/16	CO2/3
3.1 Definition – Types of Dyeing, Fiber, Yarn, Fabric, Garment			
3.2 Fabric dyeing – Stock dyeing, Dope dyeing			
3.3 Yarn dyeing- Top dyeing- Silver stage, yarn dyeing – skein dyeing, packaging dyeing, warp beam dyeing, space dyeing			
3.4 Fabric dyeing –Piece dyeing-one dye, two dye bath method and union dyeing, beam dyeing, jet dyeing, vacuum dyeing, foam dyeing, vacuum impregnation			
3.5 Garment dyeing			
3.6 Resist dye techniques – Tie dye –various techniques, Batik			
4 UNIT : TEXTILE PRINTING	24	16/10	CO4
4.1 Hand Block Printing – Materials used for making blocks. Procedure of printing			
4.2 Roller Printing - Materials used for making rollers. Machines used for printing, procedures of printing			
4.3 Duplex Printing			
4.4 Screen Printing- Flat screen and Rolex screen printing, making screens. Method			
4.5 Transfer printing-jet spray printing			
4.6 Warp printing			
4.7 Stencil Printing- Stencil making and methods			
5. DYEING AND PRINTING DEFECTS, RECTIFICATION AND RECENT TRENDS			
5.1 Identifying and rectifying dyeing defects	10	04/02	CO3
5.2 Identifying and rectifying Printing Defects			
5.3 Recent Trends in dyeing Techniques: - Brief Introduction on Ultrasonic waves Microwave Dyeing- Plasma Technology, Electro Chemical dyeing			
5.4 Recent Trends in Printing: Digital Printing, Flexo Printing			
Total	**75**	**48/32**	

6. COURSE DELIVERY:

The Course will be delivered through lectures, class room interactions, exercises and case studies

7. SPECIFICATION TABLE FOR THEORY/ MACRO-LESSON PLAN

Unit No	Unit	Number of lectures	Marks
1	Introduction and techniques of dying and printing	02	04
2	Classification of dyes	08	15
3	Dyeing	18	22
4	Textile Printing	16	24
5	Dyeing and printing defects, rectification and recent trends	04	10
	Total	**48**	**75**

8. SPECIFICATION TABLE FOR TERM WORK & PRACTICALS HOURS

No	Practical	Marks
1.	Sheet on Dyeing and Printing Techniques	01
2	Classification of dyes Flow chart	01
3	Information on Plant origin Natural Dyes Along with pictures	01
4	Information on Animal and Mineral origin Natural Dyes Along with pictures	01
5	Classification of Synthetic dyes and their uses	01
6	Picture collages on Stock and Yarn dyeing Machines	01
7	Picture collage on Fabric and Garment Dyeing Machines	01
8	Samples on Various Techniques of Tie and dye(Sample size 10cmx10 cm)using Direct dyes. Each sample will be marked.	05
9	Self study assignment On Garment Dyeing	02
10	Picture collage on Blocks and Block Printing Machine.	01
11	Sample of self designed and prepared block.	02
12	Picture Collage of Other Printing Machines	01
13	Sample of self designed and Prepared Stencil.	02
14	Collection of Different types of Printed Fabric swatches.	01
15	Pictures of Dyeing and Printing Defects.	02
16	Self-study assignment on Finding Recent research article with regard to Dyeing or Printing and Writing summary of the same in own words.	02
	Note; Visit to different Dyeing and Printing Units, Exhibitions, Fairs.	**25**
	Practical work will include working on samples prescribed in the syllabus. All the assignments will be marked on the basis of work done in class. A journal will be maintained of class work and marked for 05 marks under internal assessment; the division of 05 marks is as follows; Attendance- 01 mark, punctuality in submission- 01 mark, neatness & Presentation and Completion of journal- 02 marks. The remainder of the PPA i.e. 21 marks will include regular class work.	

9. LEARNING RESOURCES

Text Books

S. No.	Author	Title of Books	Publishers
1	Bernard P. Corbman	Textiles Fiber to Fabric	McGRAW-HILL.International Edition
2	Kate Welles	Fabric Dyeing and Printing	Interweave Press Inc
3	N.N.Mahapatra	**Textile Dyeing**	Woodhead Publishing India Pvt. Limited
4	V.A. Shenoy		

Internet and Web Resources

S. No.	Author	Title of Books	Publishers
1	Melih Günay	Eco friendly Textile dyeing and Finishing.	Textile study center
2	K. L. Mittal, Thomas Bahners	Textile Finishing: Recent Developments and Future Trends	Textileebook.com

(INSTITUTE ELECTIVE - E1)

(GA513) CRAFTS OF INDIA

1. COURSE OBJECTIVES:

The students will get knowledge and skill on the art of crafts of India, related to textiles. They will be able to preserve the cultural assets, traditions and values passed on generation wise. They will understand the role of craft community and its integral relationship to the society. They will understand the relation between traditional and contemporary trends. They will equip themselves with deep knowledge of craft tradition which can be used for wider application in the design field. They will develop values of conservation and protection of traditional crafts of the country.

2. TEACHING AND EXAMINATION SCHEME

SEMESTER V									
Course code & Course title	Periods/Week (in hours)			Total Credits	Examination Scheme				
					Theory Marks		Practical Marks		Total Marks
	L	T	P	H	TH	TM	TW	PR/OR	
(GA 513) CRAFTS OF INDIA	03	-	02	05	75	25	25	25	150

3. COURSE OUTCOMES:

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

CO1 : Identify different traditional art and crafts of India.
CO2 : Locate various art crafts from various regions of the country.
CO3 : Execute the Knowledge gained in creating new trends in fashion field, which will givepublicity and market to Indian traditional art.
CO4 : Analyze between traditional and contemporary art forms of India.

4. MAPPING COURSE OUTCOMES WITH PROGRAM OUTCOMES

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline Specific Knowledge	Problem Analysis	Design and Development of Solutions	Engg. Tools, Experimenting & Testing	Engg. Practices for Society, Sustainability & Environment	Project Management	Life -long Learning
CO1	3	1	1	0	1	2	3
CO2	3	3	2	0	2	2	3
CO3	2	3	3	1	2	2	3
CO4	3	2	3	0	2	3	3

Relationship : Low-1 Medium-2 High-3

	PSO1	PSO2
	Research and Development in Design	Satisfy Customer Needs
CO1	03	02
CO2	03	02
CO3	03	03
CO4	03	03

5. DETAILED COURSE CONTENTS / MICRO-LESSON PLAN

M = Marks	**Th/Pr = Teaching hours**	**CO = Course Outcome**		
Unit		**M**	**Th/Pr**	**CO**
1 UNIT: INTRODUCTION		05	2/2	CO1
1.1 General introduction Handicrafts				
1.3. Crafts Traditions of India.				
1.1 Role of craft community.				
1.2 Classification of crafts- Clay, Bone, Paper, Shell, Metal crafts, Jewellary, Natural Fiber Weaving, Textile crafts				

2 UNIT : CLAY, PAPER,SHELL, BONE CRAFTS	15	12/06	CO1 CO2 CO3
2.1 History of Clay Crafts in India, has its origin in the Indus Valley Civilization			
1.2 Different Practices, Techniques, of Making Pottery			
2.3 Brief introduction of Clay Crafts of Northern India...Himachal, Delhi. Clay Crafts of Central India... Madhya Pradesh, Jharkhand, Clay Crafts of East India-Orissa, West Bengal, North East India Clay Crafts of Western India... Maharashtra, Kutch Clay Crafts of Southern India- Tamil Nadu.			
2.4 Bone crafts of India. Places famous for bone craft, Articles made out of Bone			
2.5 Paper crafts made in India			
2.6 Shell crafts, Places of Importance of shell crafts(Coastal states like Goa, Kerala, Tamil Nadu, West Bengal)			
2.4 Field Visit. Nearby pottery and Shell craft work unit. Students have to submit Report after the visit as part of assignment.			
3 UNIT : METAL CRAFTS AND JEWELLARY	15	12/06	CO2 CO3
3.1 History of Metal craft.			
3.2 Indian Metal Craft consists of items made of metal like iron, copper, silver, bronze and gold.			
3.3Different Types of metal crafts like Tanjore metal plate, Naquasi" style metal craft from Ladakh, "Bidri" or the inlay craft of metal from Bidar, "Dhokra" metal craft from Kerala, Marori, Chrakwa, Deepak' or large lamps,			
3.4 Traditional Jewellary from North, East South And Western India.-Brief Introduction to important jewellary of different parts of India			
1.5. Jewellary of Modern India.			
4 UNIT : NATURAL FIBER WEAVING AND TEXTILE CRAFTS	25	14/08	CO2 CO3 CO4
1.1 Jute, Banana and Pineapple fiber weaving. Introduction, Articles manufactured.			
1.2 Bamboo crafts and Cane crafts of India- Introduction, Method of Making, types of articles and Places where these articles are manufactured.			

1.3 Rugs and Carpets of India.-Dhurri, Jaipuri Rugs, Kashmiri rugs and Carpets, Navalgond Durries, Amritsar Rug and Carpets.			
1.4 Shawls of India.- Pashima Shawl, Kulu Shawl, Naga Shawl, Kinnauri Shawl, Jamwar Shawl.			
5 UNIT : LATEST TRENDS	15	08/10	CO4
5.1 Modification of Traditional Indian Crafts. Use of Traditional Indian crafts in fashion field in modified way like, Madhubani paintings in clothing, and other articles, Motifs. Warli paintings in printing on different fabrics, etc.			
5.2 Taking Inspiration from any of the above arts design an article and specify its end use.			
Total	**75**	**48/32**	

6. COURSE DELIVERY:

The Course will be delivered through lectures, class room interactions, exercises and case studies

7. SPECIFICATION TABLE FOR THEORY/ MACRO-LESSON PLAN

Unit No	Unit	Number of lectures	Marks
1	Introduction	02	05
2	Clay, Paper, Shell, Bone, Crafts	10	15
3	Metal crafts and Jewellary	12	15
4	Natural fiber weaving and textile crafts	16	25
5	Latest trends	08	15
	Total	**48**	**75**

8. SPECIFICATION TABLE FOR TERM WORK & PRACTICALS HOURS

No	Practical	Marks
1.	Practical Title	01
1	Collage of different crafts of India	02
2	Create picture collages of clay , paper, shell, bone crafts	02
3	Design and create article of paper/ shell/bone crafts	04
4	Field visit report with unit picture.	02
5	Collage of Metal and jewellery crafts of India	02
6	Design contemporary jewellery designs by taking inspiration from traditional designs(Mininum of 4 designs)	02

7	Collage on Woven Textiles	02
8	Collage of Bamboo and cane crafts	02
9	Collage of Rugs Dhurries and Shawls	02
10	Taking Inspiration from any of the above arts, design and prepare an article and specify its end use	04
	Total	**25**
	Note; Visit to different art and Craft Museums, Exhibitions, Fairs. Practical work will include working on samples prescribed in the syllabus. All the assignments will be marked on the basis of work done in class. A journal will be maintained of class work and marked for 05 marks under internal assessment; the division of 05 marks is as follows; Attendance- 01 mk, punctuality in submission- 01 mk, neatness & Presentation and Completion of journal- 03 mks. The remainder of the PPA i.e. 20 mks will include regular class work.	

9. LEARNING RESOURCESText

Books

S. No.	Author	Title of Books	Publishers
1	Neelam Verma	Traditions ; A Complete Book of Indian Arts and Crafts Motifs : Special Reference to Rangoli Design	English Edition Publishers and Distributors Language: English
2	Bernadette van Gelder	Traditional Indian Jewellery: The Golden Smile of India	Latest
3	P.R.J Ford	Oriental Carpet Design: A Guide to Traditional Motifs, Patterns and Symbols	Thames & Hudson; Reprint edition (January 28, 2008)
4	Aditi Ranjan	Handmade in India	Council of Handicraft Development Corporations, 2007
5	Book by Ilay Cooper and John Gillow	Arts and Crafts of India	Thames and Hudson, 1996

6	Susanne Page	Field guide to Southwest Indian arts and crafts	Latest
7	Nicholas Barnard	Arts and Crafts of India Paperback	Conran Octopus

Internet and Web Resources

S. No.	Author	Title of Books	Publishers
1	Coomaraswamy and Ananda Kentish	The arts & crafts of India & Ceylon	Smithsonian Libraries

AUDIT COURSE

(AC101) ESSENCE OF INDIAN KNOWLEDGE AND TRADITION

1. COURSE OBJECTIVES:

This course aims at imparting basic principles of thought process, reasoning and inferencing by human being. Sustainability is at the core of Indian Traditional Knowledge Systems connecting society and nature. Holistic life style of Yogis, science and wisdom capsules in Sanskrit literatureare also important in modern society with rapid technological advancements and social disruptions. The course thus focuses on introduction to Indian Knowledge System, Indian perspective of modern scientific world-view, basic principles of Yoga and holistic health care system.

2. TEACHING AND EXAMINATION SCHEME:

SEMESTER V									
Course Code & Course Title	Periods/ Week (In Hours)			Total Credit	Examination Scheme				
					Theory Marks		Practical Marks		Total Marks
(AC101)	L	T	P	H	TH	TM	TW	PR/ OR	
ESSENCE OF INDIAN KNOWLEDGE AND TRADITION	02	-	-	02	-	-	-	-	

1. COURSE CONTENTS:

- Basic Structure of Indian Knowledge:

(i) वेद, (ii) उनवेद (आयुवेद, धनुवेद, गन्धवेद, स्थानत्य आदद) (iii) वेदांग (शिक्षा, कल्न, ननरुत, व्याकरण, ज्योनतष छांद), (iv) उनाइग (धर्म सिस्र, रीरांसा, नुराण, तकमिास्र)

- Modern Science and Indian Knowledge System
- Yoga and Holistic Health care
- Case Studies

Sr. No	Title of Book	Author	Publication
1.	Cultural Heritage of India-Course Material	V. Sivaramakrishna	Bharatiya Vidya Bhavan, Mumbai, 5th Edition, 2014
2.	Modern Physics and Vedant	Swami Jitatmanand	Bharatiya Vidya
3.	The wave of Life	Fritzof Capra	
4.	Tao of physics	Fritzof Capra	
5.	Takasangraha of Annam Bhatta, International	V N Jha	Chinmay Foundation, Velliarnad Amakulam
6.	Science of Consciousness Psychotherapy and Yoga Practices	R N Jha	Vidyanidhi Prakasham, Delhi, 2016

DIPLOMA IN GARMENT TECHNOLOGY

SYLLABUS FOR VIth SEMESTER

BOARD OF TECHNICAL EDUCATION, GOA STATE PROGRAMME STRUCTURE FOR DIPLOMA IN GARMENT TECHNOLOGY
GOA STATE
Duration of Programme

SEMESTER VI										
Course Code	**Name of Course**	**TEACHING SCHEME**				**EXAMINATION SCHEME**				**Total Marks**
		L	T	P	H	Theory Marks		Practical Marks		
						TH	TM	Pr/Or	TW	
GA 601	FASHION PROMOTION	-	-	06	06	-	-	-	125	125
GA 602	FASHION BUSINESS MANAGEMENT	03	-	-	03	75	25	-	25	125
GA 603	PORTFOLIO DEVELOPMENT	-	-	03	03	-	-	50	50	100
GA 604	KNITWEAR	-	-	04	04	-	-	50	50	100
GA 605	GARMENT PROJECT WORK	-	-	06	06	-	-	50	100	150
	ELECTIVE 2**									
GA 611 OR	CLOTHING PSYCHOLOGY (E2) OR	03	-	02	05	75	25	25	25	150
GA612 OR	FASHION STYLING (E2) OR	03	-	02	05	75	25	25	25	
GA613	FASHION JOURNALISM (E2)	03	-	02	05	75	25	25	25	
AC102	INDIAN CONSTITUTION	02	-	-	02	-	-	-	-	-
	TOTAL				**29**					**750**

Legends:

TH – Theory Head
TM – Test Marks
PR/OR- Practical/ OralTW- Term Work

** Electives offered can be a minimum of two or more, as per class size

(GA601) FASHION PROMOTION

1. COURSE OBJECTIVES:

The talent and creativity of a student will be promoted in a stylish environment and to pave a pathway for him/her to become a successful designer. The students will be able to showcase a thematic collection to a large audience. They will unveil and express to an audience the latest fashion trends and styles in the form of a fashion show. They will be able to bring awareness that fashion is a part of our daily lives and that clothes connect people from every walk of life. They will be able to highlight the skills and characteristics that make every designer unique and valuable to the industry. They will be able to promote their talent and showcase it to the world.

2. TEACHING AND EXAMINATION SCHEME

SEMESTER VI									
Course code & Course title	Periods/Week (in hours)			Total Credits	Examination Scheme				
					Theory Marks		Practical Marks		Total Marks
(GA601)	L	T	P	H	TH	TM	TW	PR/OR	
FASHION PROMOTION	-	-	06	06	-	-	125	-	125

3. COURSE OUTCOMES:

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

CO1 : Conduct, evaluate and promote a fashion event.
CO2 : Execute planned designs effectively
CO3 : Project their talent by creatively presenting their collection.
CO4 : A holistic development will be gained by every participant by the end of this programme.

4. MAPPING COURSE OUTCOMES WITH PROGRAM OUTCOMES

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline Specific Knowledge	Problem Analysis	Design and Development of Solutions	Engg. Tools, Experimenting & Testing	Engg. Practices for Society, Sustainability & Environment	Project Management	Life -long Learning
CO1	2	3	3	2	1	3	3
CO2	3	3	3	3	1	3	3
CO3	1	2	3	1	2	1	1
CO4	1	3	2	2	1	3	2

Relationship : Low-1 Medium-2 High-3

	PSO1	PSO2
CO1	3	3
CO2	3	3
CO3	3	2
CO4	1	1

5. DETAILED COURSE CONTENTS / MICRO-LESSON PLAN

M = Marks	**Th/Pr = Teaching hours**	**CO = Course Outcome**		
Unit		**M**	**Pr**	**CO**
1 UNIT: SOURCING & ALLOCATION			20	CO1 CO2
1.1 Model Hunt and selection				
1.2 Measurement chart and model measurements				
1.3 Allotment of models to designs				
1.4 Fabric sourcing, Invites and brochures,				
1.5 Allotment of duties, designers and backstage				
1.6 Sponsorship and budget allocation				
2 UNIT: APPAREL CONSTRUCTION			46	CO1 CO2
2.1 Basic blocks preparation				

2.2 Modification of basic blocks as per design			
2.3 Drafting			
2.4 Cutting			
2.5 Sewing			
2.6 Finishing and costing			
3 UNIT: SURFACE ORNAMENTATION AND ACCESSORISING GARMENTS		20	CO1 CO2
3.1 Accessory designing			
3.2 Accessory drafting & Execution			
3.3 Surface ornamentation of fabric/garment/accessories.			CO2
4 UNIT: PRE-EVENT			
4.1 First trials & Fitting			
4.2 Second Trials and finishing			
4.3 Logistics for event			
4.4 Press conference			
4.5 Venue arrangements			
4.6 Choreography and cueing			
4.7 Dress rehearsals			
5 UNIT: POST EVENT		10	CO2
5.1 Evaluation of Event			
5.2 Press Releases/Articles			
5.3 Photography & Videographer follow up			
5.4 Feedback of event			

5.5 Financial Statement to be prepared of event by event coordinator			
Total		**96**	

6. COURSE DELIVERY:

The Course will be delivered through lectures, class room interactions, exercises and case studies

7. SPECIFICATION TABLE FOR TERM WORK & PRACTICALS HOURS

No	**Practical**	**Marks**
1.	Selection of models	18
	Measurement of selected models	
	Duty allotment to students	
	Preparation of expenditure statement	
	All dates concerning event pre and post to be finalized	
2.	Preparation of basic blocks for male, female and child	40
	Modifying basic blocks as required to suit selected designs	
	Drafting, cutting and sewing on fabric	
	Costing of each garment	
3.	Preparing of drafts for accessories suitable for selected garments	30
	Drafting and making of accessories as per design sheet and selection	
	Application of surface ornamentation specified in design sheet	
4.	Checklist to be prepared with all logistics concerned with the event and follow up and finalization of the same	28
	Venue and all arrangements at the venue to be finalized	
	1st and 2nd trials to be conducted at institute	
	Dress rehearsals at the venue with light, sound, ramp, choreography	
5.	Feedback forms to be filled and filed	09
	Follow up with concerned persons	
	Submission of final financial implications of event to be submitted to the department.	
	Total	**125**
No	**Class room Assignments**	**Marks**
1	At least 10 covering all units above	
No	**Tutorial Exercise**	**Marks**
1	At least 10 problems on each unit given above	
	Total	**125**

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(GA602) FASHION BUSINESS MANAGEMENT

1. COURSE OBJECTIVES:

Students will be able to develop managerial skills to run a business for themselves or their employers. They will be able to build teams. They will learn to manage an enterprise to ensure profit and avoid losses. They will be able to understand the functions of management. They will adopt the principles of management to ensure optimum utilization of resources. By managing their business better they will get success.

2. TEACHING AND EXAMINATION SCHEME:

SEMESTER VI									
Course Code & Course Title	Periods/ Week (In Hours)			Total Credit	Examination Scheme				
					Theory Marks		Practical Marks		Total Marks
	L	T	P	H	TH	TM	TW	PR/ OR	
(GA602) FASHION BUSINESS MANAGEMENT	03	-	-	03	75	25	25	-	125

3. COURSE OUTCOMES:

On Successful completion of the course, the student will be able to:CO1

: Recollect the Functions & Principles of Management

CO2 : Understand marketing concepts, production planning & control

CO3 : Ensure profit by proper costing considering break even point for negotiation andconsideration.

CO4 ; Job Analysis

4. MAPPING COURSE OUTCOMES WITH PROGRAM OUTCOMES

	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline specific knowledge	Problem Analysis	Design Development of Solutions	Engineering tools, Experimentation and testing	Engineering practices for society, sustainability and environment	Project management	Life long learning
CO 1	2	2	1	0	1	2	2
CO 2	3	3	0	0	3	2	2
CO 3	1	1	0	0	1	2	2
CO 4	0	2	2	0	1	2	2

Relationship : Low-1 Medium-2 High-3

	PSO1	PSO 2
	Research & Development in Design	Satisfy Customer Needs
CO 1	0	2
CO 2	2	3
CO 3	0	3
CO 4	2	2

5. DETAILED COURSE CONTENTS/ MICRO LESSON PLAN

M= Marks	Th/Pr = Teaching hours	CO = Course Outcome	M	Th	CO
1 UNIT: BUSINESS FIRMS, MANAGEMENT CONCEPTS AND ORGANIZATIONAL BEHAVIOR 1.1 Business meaning- Definition, features, scope- changing concept and objectives of business, 1.2 Types of business – *Based on ownership- Proprietary, Partnership, Private & Public Ltd. Co., Franchise outlet, Co-operative Society, Joint ventures, Corporations, Private & Public Ltd. Co.			18	10	CO1 CO2

*Based on Organizational structure- Line, Functional and Committee organizations. *Based on Area- Global/International, National, Regional and Local 1.3 Business environment meaning and definition, impact of liberalization, privatization, and globalization on industries. Global environment- Nature of globalization. Benefits from MNC's, promotion of MNCs *Technological Environment, features of technology, impact. *CSR – Company's Social responsibility. Responsibilities towards customers, share holders, employees, government etc. Its importance in creating a Brand Image. 1.4 Introduction to Management Levels of Management 1.5 Functions of Management- Basic functions of Planning, Organizing, Direction & Control. Additional functions such as Co- Ordination, Staffing, marketing, forecast, research & development, communication & motivation. 1.6 Principles of Management- principles such as Division of work, Authority, Responsibility, Discipline, Unity of command, unity of Direction, Fairness & Equity, Centralization & De-centralization, Scalar Chair, Initiative, Learning/ Trainings, Subordination of Personal interest to General Interest, Team Work & Stability of tenure. 1.7 Organizational Behavior - Attitudes & Behavior- their importance, developing the right attitudes and behavioral skills. 1.8 SWOT Analysis. Internal & external factors in SWOT			
2 UNIT: OPERATIONS MANAGEMENT 2.1 Introduction to Production. 2.2 Production Planning & Control 2.3 Block Planning. 2.4 Routing & Scheduling. 2.5 Quality Control. 2.6 Stores & Purchase *Procurement. *Requisitions-Material & Purchase. *Quotations & Tenders. Types of Tenders- Single, Open and Closed. *Inventories. Inventory Control. *Material handling. 2.7 Importance and Objectives of layouts. *Types of layouts- Process, Product and Fixed.	12	15	CO2 CO3

3 UNIT: MARKETING MANAGEMENT 3.1 Role & Importance of Marketing. 3.2 Consumer Marketing. 3.3 Organizational Marketing. 3.4 Channels of Distribution. 3.5 Sales Promotion. *Channels of Sales Promotion- Advertising and Publicity, Media of Advertisement, Types of Advertisement, Advertising impact..	15	05	CO1 CO3
4 UNIT: FINANCIAL MANAGEMENT 4.1 Introduction & Importance. 4.2 Capitalization- under & over capitalization. Block & working Capital 4.3 ROI. 4.4 Securities- Preferential shares. Equity Shares and Debentures. 4.5 Depreciation. 4.6 Profit Disposition. 4.7 Value for money. 4.8 Profit & loss statement (only understanding). 4.9 Breakeven point and analysis. 4.10 Balance sheet (only understanding) 4.11 Costing 4.12 Cost control. 4.13 Budgeting & Budgetary control.	20	08	CO1 CO2 CO3
5 UNIT: PERSONAL MANAGEMENT & HUMAN RESOURCE MANAGEMENT 5.1Difference between Personal management and Human Resource Management Personnel in an organization. 5.2 The Hierarchy- 3 levels *Top level- Owner, CEO/ Chairman, General Manager & Directors *Mid Level- Managers, Executives. *1st Level- Supervisors, Floor In charge. 5.3 Job Analysis- Job evaluation enrichment, job rotation and satisfaction 5.4 Conflict management and dealing with unions. 5.5 Concepts of Bargaining 5.6 Staffing- Sources for Recruitment, selection and recruitment process 5.7 Training and placement. *Types of training- on the job, Apprentice, Vestibule, External, Induction, Job and Promotional training. 5.8 Promotion & Transfers. 5.9 Retirement. Resignation. Dismissal, layoff & suspensions.	10	10	CO1 CO2 CO3

5.10 Wages & Incentives - Difference between wages, salaries & incentives *Types of wages- Time rate & Piece rate. *Incentives like Bonus, P.F., E.S.I.C, Insurance. 5.11Welfare Activities involving safety & Hygiene, Health & Sanitation. 5.12 Motivation Techniques.			
Total	**75**	**48**	

6. COURSE DELIVERY:

The course will be delivered through lectures, classroom interactions, exercises and case studies.

7. SPECIFICATION TABLE FOR THEORY/ MACRO-LESSON PLAN

UNIT NO.	UNIT	Number of lectures	Marks
1	Business Firms, Management Concepts and Organizational Behavior	10	16
2	Operations Management	15	23
3	Marketing Management	05	10
4	Financial Management	08	10
5	Personal Management & Human Resource Management	10	16
	Total	**48**	**75**

8. SPECIFICATION TABLE FOR TERM WORK & PRACTICAL HOURS

No.	Practical Title	Marks
1	SWOT Analysis	01
2	Production Planning & Control Chart	01
3	Block Planning Chart	01
4	Routing & Scheduling Chart	01
5	Requisitions-Material & Purchase.	01
6	Quotation form	01
7	Tenders form	01
8	Types of layouts- Process, Product & Fixed	01
9	Advertising	01
10	Profit & loss statement (only understanding)	01
11	Breakeven point and analysis.	01
12	Costing	01
13	Cost control.	01

14	Balance sheet – Understanding	01
15	Budgeting for a factory	01
	Total	**25**
1	At least 10 covering all units above	
No.	**Tutorial Exercise**	**Marks**
1	At least 10 problems on each unit given above	
	Total	**25**

9. LEARNING RESOURCESText Books

Sr.No.	Author	Title	Publication and Year
1.	Dr. Suresh Dalela & Dr. Mansoor Ali	Industrial Engineering & Management Systems	Latest
2.	Satya Saran Chatterjee	Modern Business- Its Organization & Management	Latest
3.	Satya Saran Chatterjee	An Introduction to Management, Its Principle & Techniques	Latest
4.	M.C. Shukla	Business Organization & Management	Latest
5.	Awate, Chunnawala, Bhandarkar & Shrinivasan	Business Organization & Management	Latest
6.	T.R. Banga & S.C. Sharma	Industrial Organization & Engineering Economics	Latest
7.	Harold Carr & Barbara Latha, Blackwell Science	The Technology of Clothing Manufacture	Latest

(GA603) PORTFOLIO DEVELOPMENT

1. COURSE OBJECTIVES:

The students will able to prepare and enhance the portfolio to meet professional standards. They will develop presentation skills and improve job seeking techniques. They will be able to tap their skills in specific area of design, construction, industry etc. They will be able to locate specific areas of the Fashion Industry for their future job prospects. They will be able to prepare a detailed portfolio showcasing their talent and creativity. They will learn to face a job interviews.

2. TEACHING AND EXAMINATION SCHEME

SEMESTER VI									
Course code & Course title	Periods/Week (in hours)			Total Credits	Examination Scheme				
					Theory Marks		Practical Marks		Total Marks
	L	T	P	H	TH	TM	TW	PR/OR	
(GA 603) PORTFOLIO DEVELOPMENT	-	-	03	03	-	-	50	50	100

3. COURSE OUTCOMES:

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

CO1 : Discuss and recall the importance of portfolio and choose the techniques to create theportfolio.

CO2 : Create a resume based on their area of interest and identify the suitable industries foremployment.

CO3 : Compile, analyze and create mood boards.

CO4 : Describe number of ways in which interview may be improved as a selection tool, and tocreate a portfoli

4. MAPPING COURSE OUTCOMES WITH PROGRAM OUTCOMES

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline Specific Knowledge	Problem Analysis	Design and Development of Solutions	Engg. Tools, Experimenting & Testing	Engg. Practices for Society, Sustainability & Environment	Project Management	Life -long Learning
CO1	2	0	2	2	3	3	3
CO2	3	3	3	2	2	3	3
CO3	3	0	3	0	0	2	3
CO4	3	2	3	3	1	1	3

Relationship : Low-1 Medium-2 High-3

	PSO1	PSO2
CO1	3	3
CO2	3	3
CO3	3	3
CO4	3	3

5. DETAILED COURSE CONTENTS / MICRO-LESSON PLAN

M = Marks	**Th/Pr = Teaching hours**	**CO = Course Outcome**			
Unit			**M**	**Pr**	**CO**
1 UNIT: INTRODUCTION TO PORTFOLIO AND BUILDING RESUME.				10	CO1 CO2
1.1 Importance of Portfolio Development.					
1.2 Techniques and Planning of Portfolio					
1.3 Different Styles of resumes, details, importance					
1.4 Personal details					
1.5 Qualifications					
1.6 Achievements					
1.7 Work experience					

1.8 References			
2 UNIT : COURSE COMPILATION – Segregating the diploma programme courses into areas of specialization and highlighting the key aspects of each, in a creative and professional presentation.		20	CO3
3 UNIT : MOODBOARDS - To create mood boards on specific job areas of students interest with a survey of that industry type.		10	CO3 CO4
4 UNIT: Designing a cover for your Portfolio - The cover should relate to some aspects of the course, it should include student's name, course title and must be creative.		06	CO1 CO3
5 UNIT: INTERVIEWANDFEED BACK - Mock Interviews with internal Examiner- panel of interviewers (3 minimum**)** to access the work of each student and give suggestions for improvement.		02	CO4
Total		**48**	

6. COURSE DELIVERY:

The Course will be delivered through lectures, class room interactions, exercises and case studies

7. SPECIFICATION TABLE FOR THEORY/ MACRO-LESSON PLAN

Unit No	**Unit**	**Number of lectures**	**Marks**
1	Introduction to Portfolio and Building Resume.	-	-
2	Course Compilation	-	-
3	To create mood board on specific job areas of students interest with a survey of that industry type conducted	-	-
4	Designing a cover for your Portfolio	-	-
5	Mock Interviews with internal Examiner- panel of interviewers (3 minimum)	-	-
	Total	**-**	**-**

8. SPECIFICATION TABLE FOR TERM WORK & PRACTICALS HOURS

No	Practical	Marks
1.	Sourcing of different type of paper and other raw materials needed to develop a portfolio. Rough costing of the portfolio & Creating a resume for future fashion designers, industry type based portfolio	10
2.	Creating collages on the subjects learnt during the 3 years of diploma in Garment Technology.	25
3.	Creating mood boards on specific job areas of student s interest will conduct a survey on that industry.	05
4.	Design an attractive cover page for the portfolio.	05
5.	Mock interviews conducted	05
	Total	**50**
No	**Class room Assignments**	**Marks**
1	At least 10 covering all units above	
No	**Tutorial Exercise**	**Marks**
1	At least 10 problems on each unit given above	
	Total	**50**

- Final Interview conducted by a professional from the Garment Industry
- Share the portfolios with 2-3 panel members of curriculum and receive feedback
- Bound portfolio signed by internal mentor/Head of Department and Principal and finally theExternal Jury.

9. LEARNING RESOURCESText

Books

S. No.	Author	Title of Books	Publishers
1	Anna Kiper	Fashion Portfolio- Design & Presentation	Latest
2	Steven Faern	Design your Fashion Portfolio	Latest
3	Design your Fashion Portfolio	Fashion Illustration- Inspiration & Techniques	latest

(GA604) KNITWEAR

1. COURSE OBJECTIVES:

The students will get familiarized with the handling of knit fabric and make garments from knitted fabrics. They will be able to adapt the bodice blocks for knit fabrics. The students will learn the complex handling of cutting and stitching for knit fabrics. The students will learn the possibilities of designing knit garments. The students will be able to stitch all types of knit garments.

2. TEACHING AND EXAMINATION SCHEME

Semester VI									
Course code & Course title	Periods/Week (in hours)			Total Credits	Examination Scheme				
					Theory Marks		Practical Marks		Total Marks
	L	T	P	H	TH	TM	TW	PR/OR	
(GT604) KNITWEAR	-	-	04	04	-	-	50	50	100

3. COURSE OUTCOMES:

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

CO1 : Learn to adapt the bodice blocks for knit fabrics
CO2 : Understand and remember types of knit fabric and their varieties available.
CO3 : Implement knowledge gained in stitching and finishing of garments of knit fabric.
CO4 : Relate the knowledge gained in designing and construction of hi fashioned Garments

4. MAPPING COURSE OUTCOMES WITH PROGRAM OUTCOMES

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline Specific Knowledge	Problem Analysis	Design and Development of Solutions	Engg. Tools, Experimenting & Testing	Engg. Practices for Society, Sustainability & Environment	Project Management	Life -long Learning
CO1	2	2	1	2	1	2	2
CO2	2	1	2	1	1	1	2
CO3	2	3	3	1	1	2	3
CO4	2	3	3	1	1	3	2

Relationship : Low-1 Medium-2 High-3

	PSO1	PSO2
	Research and Development in Design	Satisfy Customer Needs
CO1	3	3
CO2	1	2
CO3	3	3
CO4	3	3

5. DETAILED COURSE CONTENTS / MICRO-LESSON PLAN

M = Marks	**Th/Pr = Teaching hours**	**CO = Course Outcome**		
Unit		**M**	**Pr**	**CO**
1 UNIT: INTRODUCTION			04	CO1 CO2
1.1 Understanding Knit garments, Method of Construction, Machines used for Stitching Knit Fabrics and Finishes used for Garments. Care of Knit Garments				
2 UNIT: TANK TOP			10	CO3
2.1 Two dart bodice block will be drafted and modified into a dart-less block for knit fabric.				
2.2 A tank top will be stitched using this block and suitably finished				

3 UNIT: BRASSIER		18	CO3
3.1 Modification of a basic bra from the 2 dart bodice block. Cutting, Sewing and finishing the bra with cups, lace trimmings and lining.			
4 UNIT: SWIMWEAR		16	CO3
4.1 Drafting, cutting and construction of basic one piece swimsuit			
4.2 Construction of the garment may be with/without darts. It may have a princess cut with straps/strapless. Knit fabric with knit lining will be used for the swimsuit and garment will be neatly finished.			
5 UNIT: EVENING GOWN		16	CO4
5.1 Designing a one piece/two piece evening gown. Drafting, cutting and stitching the same, suitably embellished and finished. Garment has to be on knit fabric, partially or fully lined.			
Total		**64**	

6. COURSE DELIVERY:

The Course will be delivered through lectures, class room interactions, exercises and case studies

7. SPECIFICATION TABLE FOR TERM WORK & PRACTICALS HOURS

No	Practical	Marks
1.	Collection of Pictures of Machines used for stitching of Knit fabrics,	02
2	Drafting of two dart bodice block	06
3	Modification of two dart bodice block into dart-less knit block	08
4	Cutting of tank top on knit fabric and stitching it with suitable finishes	08
5	Drafting, cutting and stitching of Brassier	08
6	Drafting, cutting and stitching of Swimsuit	08
7	Designing, drafting, cutting and stitching of one/two piece evening gown	10
	Total	**50**

No	Class room Assignments	Marks
1	At least 10 covering all units above	
No	**Tutorial Exercise**	**Marks**
1	At least 10 problems on each unit given above	
	Total	**50**

8. LEARNING RESOURCESText

Books

S. No.	Author	Title of Books	Publishers
1	Ann Hagger-	Pattern Cutting for Lingerie, Beach wear and Leisure wear	Blackwell Science
2	Terry Brackerbgney-	Knitted Clothing Technology	Blackwell Science
3	Gerry Cooklin	Pattern Cutting for Women's outerwear	Blackwell Science

(GA605) GARMENT PROJECT WORK

1. COURSE OBJECTIVES:

Students will be able to research & learn any topic in depth. They will understand Research. They will be able to plan, work & execute a project. They will learn to work in teams. They will learn to write reports.

2. TEACHING AND EXAMINATION SCHEME:

SEMESTER VI									
Course Code & Course Title	Periods/ Week (In Hours)			Total Credit	Examination Scheme				
					Theory Marks		Practical Marks		Total Marks
	L	T	P	H	TH	TM	TW	PR/ OR	
(GA 605) GARMENT PROJECT WORK	-	-	06	06	-	-	100	50	150

3. COURSE OUTCOMES:

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

CO1 ; Remember steps for Research

CO2 : Understand market requirements & Shortages

CO3 : Plan, Executive a Project based on market requirement.

CO4 : Find out shortages and fill in gaps of Demand & Supply

4. MAPPING COURSE OUTCOMES WITH PROGRAM OUTCOMES

	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline specific knowledge	Problem Analysis	Design Development of Solutions	Engg. Experimentation and testing	Engg for society, sustainability and environment	Project management	Life long learning
CO 1	1	3	2	2	2	3	2
CO 2	1	2	3	2	1	3	3
CO 3	2	2	3	2	3	3	2
CO 4	0	2	2	2	2	3	2

Relationship: Low -1 Medium -2 High -3

	PSO1	PSO 2
	Research & Development in Design	Satisfy Customer Needs
CO 1	2	3
CO 2	3	3
CO 3	2	3
CO 4	2	3

5. DETAILED COURSE CONTENTS/ MICRO LESSON PLAN

M= Marks	Th/Pr = Teaching hours	CO = Course Outcome	M	Pr	CO
1 UNIT: CONCEPTS OF PROJECT & FORMATION OF GROUPS. 1.1 Concept of Project work based on knowledge 1.2 Submission of various concepts/themes of project by the students and selection of topic by teacher in charge. Topics will be based on following fields - Textiles - Clothing - Accessories - Fashion Design - Marketing - Product Development & Research - Garment Industries 1.3 Project will be done in a group. Group/groups will be formed by				16	CO1

lots. Each student will submit 3 topics individually & consensus will be taken for common topic for each group along-with all the faculty of the Department so that there is no overlap.			
2 UNIT : PILOT REPORT 2.1 Submission of pilot reports which include - Aim, Methodology, procedure and expected results by the group. 2.2 Division of work – deciding sub topics & who will work on which sub- topic 2.3 Market Survey - Survey related to market, availability of resources, prospective Buyers. 2.4 Feasibility of the project- Financial & production feasibility		10	CO2 CO3
3 UNIT : EXECUTION OF PROJECT (all activities from Design to ready Product) 3.1 Designing - 6 designs presented by each student. Any one will be selected for execution (Depending on the quantum of work, it could be more or less pieces) 3.2 Sourcing appropriate materials 3.3 Drafting and Cutting 3.4 Stitching as per Standard sizes for Self 3.5 Finishing 3.6 Embellishments/ Accessorizing as required		34	CO1 CO2
4 UNIT : PACKAGING, COSTING, MARKETING STRATEGIES 4.1 Promotion of products- creating own label/tag, right kind of packaging. 4.2 Costing 4.3 Display, Exhibition and presentation 4.4 Planning of Marketing Strategies		18	CO1 CO2 CO3
5 UNIT: PREPARATION OF PROJECT REPORT Which includes Aim, Acknowledgement, Introduction, History, Methodology, Results and discussion, Reference/bibliography, Annexure Presentation of Mock Seminar seminars in groups to be marked by all lecturers of Department. Also suggestions to improve for the final that would be marked by an external.		18	CO1 CO2 CO3 CO4
Total		**96**	

6. COURSE DELIVERY:

The course will be delivered through lectures, classroom interactions, exercises and case studies.

7. SPECIFICATION TABLE FOR THEORY/ MACRO-LESSON PLAN

UNIT NO.	UNIT	Number of lectures	Marks
1	Concepts of Project & Formation of Groups.	08	-
2	Pilot Report	06	10
3	Execution of Project	46	52
4	Packaging, Costing, Marketing Strategies	18	18
5	Preparation of Project Report (Mock seminar)	18	20
	Total	**96**	**100**

INSTIUTIONAL ELECTIVE

1. RATIONALE:

It has been observed that the curriculum prescribed, is many times out of context of Industry, on account of the pace with which technology development is taking place at Industry end. Due to this, gap exists between the Industry requirement of manpower and manpower produced by the Polytechnics. Board takes some time to incorporate the development of technology in the curriculum and many a times technology becomes outdated when it is incorporated in the curriculum. Further the expertise to train students as per Industry current requirement is available at the institute, but the same cannot be taught to students, as it is not a part of curriculum.
To address this situation, Board has decided to permit Institutions affiliated to Board, to identify such technologies or other aspects and teach the same to the students as an elective subject called "Institutional Elective". Through this Institutional Elective subject, Institutions will be able to cater to the requirements of Industry by identifying theirimmediate requirement and prepare the students for the requirement by developing the curriculum in consultation with the Industry.

As many a time's same subject may not be offered more than one or two years, a non conventional way of teaching – learning may be required to be adopted. Participation of Industry experts, guest lecturers, visit to Industry, exploring the knowledge available onnet, etc may be essential to achieve the objectives.

(INSTITUTE ELECTIVE - E2)

(GA611) CLOTHING PSYCHOLOGY

1. COURSE OBJECTIVES:

Students will be able to understand clothing choices for themselves and for others. They willbe able to design clothes to project a personality type, for specific needs of a client and for all age groups. They will be able to design as per the climatic conditions of a place and for different occasions.

2. TEACHING AND EXAMINATION SCHEME:

SEMESTER VI									
Course Code & Course Title	Periods/ Week (In Hours)			Total Credit	Examination Scheme				
					Theory Marks		Practical Marks		Total Marks
	L	T	P	H	TH	TM	TW	PR/ OR	
(GA 611) CLOTHING PSYCHOLOGY	03	-	02	05	75	25	25	25	150

3. COURSE OUTCOMES:

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

CO1 : Recollect clothes for different personalities, age groups, places, sexual identity,climatic conditions and religious occasions.

CO2 : Understand the customers wants and need in clothing based on the place,region, religion and profession they come from.

CO3 : Create and produce clothes as per specific needs of the customer.

CO4 : Analyze customer reactions, acceptance and forecast fashion

4. MAPPING COURSE OUTCOMES WITH PROGRAM OUTCOMES

	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline specific knowledge	Problem Analysis	Design/ Development of Solutions	Engineering tools, Experimentation and testing	Engineering practices for society, sustainability and environment	Project management	Life long learning
CO 1	1	2	3	-	3	1	2
CO 2	1	1	2	-	3	1	2
CO 3	1	2	2	-	2	1	1
CO 4	-	2	3	1	2	1	1

Relationship**:** Low -1 Medium- 2 High-3

	PSO1	PSO 2
	Research & Development in Design	Satisfy Customer Needs
CO 1	1	3
CO 2	1	3
CO 3	2	3
CO 4	2	3

5. DETAILED COURSE CONTENTS/ MICRO LESSON PLAN

M = Marks	Th/Pr = Teaching hours	CO = Course Outcome	M	Th/Pr	CO
1 UNIT: PSYCHOLOGY & ITS EFFECT ON CLOTHING 1.1 What is Psychology? A brief on Social Psychology 1.2 P.A.C and its effect on our behavior and clothing. 1.3 Conformity vs. Individuality *Conformity to place, region & religion. *Individuality in expressing our moods, values and personality through clothing. *How Conformity v/s Individuality creates conflict in our minds. 1.4 Peer Pressure- Acceptability in Groups. Clothing to please peer group. 1.5 Clothing as a status symbols 1.6 Affordability v/s Brand fixation 1.7 Comfort v/s Fashion			08	06/08	CO1 CO2
2 UNIT: ENVIRONMENTAL EFFECT ON CLOTHING 2.1 Climatic conditions of a place that affect clothing. Clothes for spring, summer, autumn, winter and monsoons. 2.2 Lounge wear- Travel clothing 2.3 Clothing for Adventure Sports 2.4 Eco-friendly and Green Fashions 2.5 Unique clothing in different parts of India as per climate			14	06/06	CO1 CO2 CO3
3 UNIT: PERSONALITY IN CLOTHING 3.1 Persona. Personality traits - Introvert, Extrovert, Shy, Bold, Talkative. Enduring characteristics. 3.2. Clothing for physical attributes such as thin, fat, short, stout, tall, lanky, robust figures. 3.3. Clothing for different skin colours and tones. *Clothing to suit a particular job, keeping in mind the hours, the stress and strain, the hazards and injuries involved. *Uniforms and Insignias. *Clothing to project a personality. Clothing for dance, drama, theatre, films and television *Personality Development/Image Building.			18	10/06	CO1 CO2
4 UNIT: SEXUAL IDENTITY IN CLOTHING AND CLOTHING ACROSS LIFESPAN 4.1 Sexual Identity in Clothing *Masculine Clothing *Feminine clothing *Unisex clothing					

*Women's lib / tom boy clothing *LGBT	17	14/06	CO1
4.2 Clothing across Lifespan *Clothing for infants *Toddlers *Preschool child *Elementary school child *School going child *Adolescent/teenager *Adult *Middle age person *Senior Citizens			CO2 CO3
5 UNIT: SOCIAL ASPECTS OF CLOTHING 5.1 Culture and religion in clothes – how people are expected to dress differently in each religion. 5.2 Taboos in clothing. 5.3 Clothing for different rituals like birth, death, marriage, important ceremonies such as Thread ceremony, Mundan/ Haqeeqa, Holy Communion, etc. 5.4 Bridal garments of different parts of India. 5.5 Clothes for Day & Night. Day Occasion and Night Occasion. 5.6 Creating an impression with clothes; Dressing up to create an impression for a job interview, personal interview for a marriage proposal, meeting dignitaries	18	12/06	CO1 CO2 CO3 CO4
Total	**75**	**48/32**	

6. COURSE DELIVERY:

The course will be delivered through lectures, classroom interactions, exercises and casestudies.

7. SPECIFICATION TABLE FOR THEORY/ MACRO-LESSON PLAN

UNIT NO.	UNIT	Number of lectures	Marks
1	PSYCHOLOGY & ITS EFFECT ON CLOTHING	06	12
2	ENVIRONMENTAL EFFECT ON CLOTHING	06	13
3	PERSONALITY IN CLOTHING	10	16
4	SEXUAL IDENTITY IN CLOTHING & CLOTHING ACROSS LIFESPAN	14	14
5	SOCIAL ASPECTS OF CLOTHING	12	20
	Total	**48**	**75**

8. SPECIFICATION TABLE FOR TERM WORK & PRACTICAL HOURS

No.	Practical Title	Hrs	Marks
1	PAC	01	01
2	Status symbols	01	01
3	Brands	01	01
4	Clothes for seasons	02	01
5	Lounge wear/Travel wear	01	01
6	Clothing for Adventure sports	02	01
7	Eco-friendly clothing	02	01
8	Unique clothing in different parts of India as per climate	02	01
9	Clothes for different personality traits	01	01
10	Clothes for different figure and body types	01	01
11	Clothes for different skin colours/tones	02	01
12	Clothing for different job profiles	02	01
13	Uniforms and Insignias	02	01
14	Clothing to project a personality	02	01
15	Clothing for dance	02	01
16	Clothing for drama, theatre, films and television	02	01
17	Projecting a Personality with clothing	02	01
18	Sexual Identity in clothing	02	01
19	Clothing across different life spans	04	01
20	Culture in clothing – taboos and acceptance	02	01
21	Religion and clothes – taboos and acceptance	02	01
22	Clothing for different rituals and ceremonies	02	01
23	Indian bridal attires throughout the country	04	01
24	Dressing for day and night occasions	02	01
25	Power dressing/Image building for special occasions	02	01
	Total	**48**	**25**
1	At least 10 covering all units above		
No.	**Tutorial Exercise**		**Marks**
1	At least 10 problems on each unit given above		
	Total		**25**

9.LEARNING RESOURCESText

Books

Sr.No.	Author	Title	Publication and Year
1.	Clifford Morgan, Richard King, John Weisz & john Schopler,	Introduction to Psychology	McGraw Hill education
2.	S.K. Mangal,	Introduction to Psychology	Sterling Publishers
3.	Thomas Harris,	I'm Ok, You're ok	Harper Collins Publishers
4.	Susan T. Fiske, Daniel T. Gilbert, Gardner Lindzey	Handbook of Social Psychology	Published by John Wiley & sons Inc. New Jersey

(INSTITUTE ELECTIVE - E2)

(GA612) FASHION STYLING

1. COURSE OBJECTIVES:

The students will trained to become an individual who is skilled in trend forecasting analysis andinterpretation of styles and brands. They will be able to become an individual who can present visual communication using present and emerging technology in today's fashion industry. The course will encourage the development of students in intellectual and imaginative powers,creativity, Independence, imagination and self awareness. It will develop skills that will enhance their global employment opportunities. It will establish and demonstrate an ability to collate and communicate ideas and information in their profession. It will provide maximum opportunity for personal as well as professional growth in the industry.

2. TEACHING AND EXAMINATION SCHEME

SEMESTER VI									
Course code & Course title	Periods/Week (in hours)			Total Credits	Examination Scheme				
					Theory Marks		Practical Marks		Total Marks
	L	T	P	H	TH	TM	TW	PR/OR	
(GA 613) FASHION STYLING	03	-	02	05	75	25	25	25	150

3. COURSE OUTCOMES:

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

CO1 ; Students will be able to express and communicate information appropriately andaccurately using a range of medias.

CO2 : Understand fashion styling and communication powers and develop the creative andtechnical skills necessary to practice within the fashion world.

CO3 : Develop working relationship using team work and leadership skills and will be able tointeract effectively with others to achieve shared objectives.

CO4 : Create a unique identity for oneself along with critical self and global awareness

4. MAPPING COURSE OUTCOMES WITH PROGRAM OUTCOMES

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline Specific Knowledge	Problem Analysis	Design and Development of Solutions	Engg. Tools , Experimenting & Testing	Engg. Practices for Society, Sustainability & Environment	Project Management	Life -long Learning
CO1	2	1	2	1	2	2	3
CO2	3	2	1	2	2	3	3
CO3	3	3	2	1	3	3	3
CO4	3	3	2	2	2	3	3

Relationship : Low-1 Medium-2 High-3

	PSO1	PSO2
	Research and Development in Design	Satisfy Customer Needs
CO1	3	3
CO2	2	3
CO3	2	3
CO4	3	3

5. DETAILED COURSE CONTENTS / MICRO-LESSON PLAN

M = Marks	**Th/Pr = Teaching hours**	**CO = Course Outcome**		
Unit		**M**	**Th/Pr**	**CO**
1 UNIT : INTRODUCTION		10	08/02	CO1 CO2 CO3
1.1 What is Fashion Styling?				
1.2 Job Description and Responsibilities of a Fashion Stylist				
1.3 Skills and Techniques necessary for a career in Fashion Styling				
1.4 Fields/Paths Fashion Stylist can contribute towards				
2 UNIT : IMAGE CONSULTANCY		15	10/06	CO2 CO4
2.1 Personal Grooming and Make-up (Hygiene & Grooming)				
2.2 Soft skills Training (Etiquette & Manners)				
2.3 Your body and YOU - finding the style that's right for your body (Capture your style)				
2.4 Key concepts in Styling (Fashion Styling, languages & Processes)				
2.5 The Fashion Consultant - ME				
3 UNIT : FASHION VISIONARIES		15	12/04	CO1 CO2 CO3 CO4
3.1 PR, Media and Fashion				
3.2 Fashion Blogging				
3.3 Fashion Journalism				

3.4 Client Development			
3.5 Art Director - Fashion			
4 UNIT : SHOOTS AND LOGISTICS	15	10/08	CO2 CO3
			CO4
4.1 Fundamentals of a Shoot			
4.2 Photo Shoot			
4.3 Film Shoot			
4.4 Fashion Shoot			
4.5 Special Event Shoot			
5 UNIT : PERSONAL AND PROFESSIONAL PROJECT	20	08/12	CO1 CO2 CO3 CO4
5.1 Importance of Building a Portfolio			
5.2 Personal Statement/Predicted Statement			
5.3 Creating a Portfolio for Self – Project based			
5.4 Professional Portfolio based on events and themes – Project based			
Total	**75**	**48/32**	

6. COURSE DELIVERY:

The Course will be delivered through lectures, class room interactions, exercises and case studies

7. SPECIFICATION TABLE FOR THEORY/ MACRO-LESSON PLAN

Unit No	Unit	Number of lectures	Marks
1	INTRODUCTION	08	10
2	IMAGE CONSULTANCY	10	15
3	FASHION VISIONARIES	12	15
4	SHOOTS AND LOGISTICS	10	15
5	PERSONAL AND PROFESSIONAL PROJECT	08	20
	Total	**48**	**75**

8. SPECIFICATION TABLE FOR TERM WORK & PRACTICALS HOURS

No	Practical	Marks
1	Introduction- Fashion styling, job descriptions and responsibilities	05
2	Image Consultancy- Personal grooming and soft skill training.	05
3	Fashion Visionaries- Career's and inspirations of established personalities in the field and their success stories	05
4	Shoots and Logistics- Types of shoots, importance and requirements for a successful shoot	05
5	Personal and Professional Project- Building a professional portfolio for professional prospects	05
	Total	**25**
No	**Class room Assignments**	**Marks**
1	At least 10 covering all units above	
No	**Tutorial Exercise**	**Marks**
1	At least 10 problems on each unit given above	
	Total	**25**

9. LEARNING RESOURCES

Text Books

S. No.	Author	Title of Books	Publishers
1	Jo Dinge mans	Mastering Fashion Styling	Macmillan International Higher Education
2	Gillian Armour	Fashion Style and Image Consultancy	Latest
3	Angela Marshall	Being truly you- for Men	Troubador Publishing ltd.
4	Allan & Barbara Pease	The Definitive Book of Body Language	RHUS
5	A Report	Trends in Photography- Special Collections Management 2013 Edition	Primary Research group
6.	Sterling Style Academy	Wardrobe Consulting	Latest

(INSTITUTE ELECTIVE E2)

(GA613) FASHION JOURNALISM

1. COURSE OBJECTIVES:

Students will be introduced to Fashion Journalism, though interviewing, researching and strong analytical skills. They will develop all aspects of published fashion media so as to take up fashion journalism as a career. They will develop broad insight into fashion journalism.

They will explore the core disciplines of journalism. They will gain knowledge in the area of conducting interviews for fashionistas. They will learn feature writing as well as writing for web.

2. TEACHING AND EXAMINATION SCHEME:

SEMESTER VI									
Course Code & Course Title	Periods/ Week (In Hours)			Total Credit	Examination Scheme				
					Theory Marks		Practical Marks		Total Marks
	L	T	P	H	TH	TM	TW	PR/OR	
(GA 614) FASHION JOURNALISM	03	-	02	05	75	25	25	25	150

3. COURSE OUTCOMES:

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

CO1 : Recall and define journalism and its importance in fashion world.

CO2 : Recall various fashion magazines and identify the key elements of good writing.

CO3 : Explore how to adapt fashion related subjects to print and web, manage pressconferences and cover fashion shows.

CO4 : Read and critically analyze books filled with fashion related themes.

4. MAPPING COURSE OUTCOMES WITH PROGRAM OUTCOMES

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
	Basic & Discipline Specific Knowledge	Problem Analysis	Design and Development of Solutions	Engg. Tool s ,Experimentin g& Testing	Engg. Practices for Society, Sustainability & Environment	Project Management	Life -long Learning
CO1	2	0	0	0	0	1	3
CO2	1	2	1	2	1	2	3
CO3	2	2	1	2	1	2	3
CO4	2	2	1	1	1	2	2

Relationship : Low-1 Medium-2 High-3

	PSO1	PSO2
	Rearch and Development in Design	Satisfy Customer Needs
CO1	2	2
CO2	1	1
CO3	3	2
CO4	2	2

5. DETAILED COURSE CONTENTS/ MICRO LESSON PLAN

M= Marks	Th/Pr =Teaching hours	CO=Course Outcome	M	Thr/Pr	CO
1 UNIT : INTRODUCTION TO JOURNALISM: **1.1** Importance of Journalism, factors influencing journalism**.** 1.2 Fields of journalism: newspaper, magazine, radio, television, brochure, internet, Public relations firm, research firm, trend consultant etc. 1.3 Definition of each with role played in the field of journalism.			10	06/0/2	CO1 CO2
2 UNIT : FASHION JOURNALISM : 2.1 What is fashion Journalism, role and qualities of fashion journalists. 2.2 Developing writing skills, what to write, who to write for. 2.3 Note book discipline/record keeping 2.4 Knowledge of fashion magazines around the globe			15	08/06	CO1 CO2
3 UNIT : WRITING AN ARTICLE: 3.1 How to read and critique fashion articles 3.2 Media law, plagiarism 3.3 Writing a fashion article : for a magazine :the intro, story construction, feature writing 3.4 Writing article and publishing online. Steps and rules 3.4 How to sell your article.			20	12/08	CO2 CO3 CO4
4 UNIT : INTERVIEWING: 4.1 How to frame questions/ reference work on the interviewer. 4.2 Interview a person from fashion field and write an article on the person.			15	12/08	CO2 CO3 CO4
5 UNIT : PRESS CONFERENCES: 5.1 Introduction, its importance in fashion journalism. 5.2 How to organize press conferences, meetings and handle them. 5.3 Press releases and handouts. 5.4 Cover a fashion show/event.			15	10/08	CO3 CO4
		Total	**75**	**48/32**	

6. COURSE DELIVERY:

The Course will be delivered through lectures, class room interactions, exercises,practical's and case studies

7. SPECIFICATION TABLE FOR THEORY/ MACRO-LESSON PLAN

Unit No	Unit	Number of lectures	Marks
1	INTRODUCTION TO JOURNALISM	06	5
2	FASHION JOURNALISM	08	10
3	WRITING AN ARTICLE	12	20
4	INTERVIEWING	12	20
5	PRESS CONFERENCES	10	20
	Total	**48**	**75**

8. SPECIFICATION TABLE FOR TERM WORK & PRACTICALS HOURS

No	Practical	Marks
1.	Fields of Journalism and role played	00
1.	List of prominent journalists/fashion journalists , know their styl of writing, where, what, study their articles	04
2.	Maintain notebook/record keeping	04
3.	List of fashion magazines	02
4.	Read and critique a fashion article	04
5.	Media law and plagiarism	02
6.	Write a fashion article	05
7.	Frame questions for interviewing an eminent fashion personality	02
8.	Press releases and handouts	02
	Total	**25**

9. LEARNING RESOURCES

Text Books

S. No.	Author	Title of Books	Publishers
1	Kate Nelson	History of fashion Journalism	Latest
2	Sanda Miller	Fashion Journalism	Latest
3	Kristen Swanson	Writing for fashion business	Latest

Fashion magazines:

No	Name of the magazine
1.	Fashion
2.	Vogue
3.	Elle
4.	Harpers bazaar
5.	Glamour
6.	Cosmopolitan

AUDIT COURSE

(AC102) INDIAN

CONSTITUTION

1. COURSE OBJECTIVES:

As a proud citizen of this country every student must be aware about the Indian Constitution to appreciate the provisions available for the people of this biggest democracy in Indian Constitution so that the youth of this country plays active role in development of the country by participating in the formation of sensitive and proactive Government at national and state level. This course intends to make students aware about various constituents of the Indian Constitution.

2. TEACHING AND EXAMINATION SCHEME:

SEMESTER VI									
Course Code & Course Title	Periods/ Week (In Hours)			Total Credit	Examination Scheme				
					Theory Marks		Practical Marks		Total Marks
	L	T	P	H	TH	TM	TW	PR/ OR	
(AC102) INDIAN CONSTITUTION	02	-	-	02	-	-	-	-	

3. COURSE CONTENTS

M= Marks	Th/Pr = Teaching hours	CO = Course Objectives

1 UNIT : THE CONSTITUTION-INTRODUCTION: 1.1 The History of the Making of the Indian Constitution 1.2 Preamble and the Basic Structure, and its interpretation 1.3 Fundamental Rights and Duties and their interpretation 1.4 State Policy Principles
2 UNIT : UNION GOVERNMENT : 2.1 Structure of the Indian Union 2.2 President- Role and Power 2.3 Prime Minister and Council of Ministers 2.4 Lok Sabha and Rajya Sabha
3 UNIT : STATE GOVERNMENT:
3.1 Governor- Role and Power 3.2 Chief Minister and Council of Ministers 3.3 State Secretariat
4 UNIT : LOCAL ADMINITRATION: 4.1 District Administration 4.2 Municipal Corporation 4.3 Zila Panchayat
5 UNIT : ELECTION COMMISSION: 5.1 Role and Functioning 5.2 Chief Election Commissioner 5.3 State Election Commissioner

4 . SUGGESTED LEARNING RESOURCES:

Title of Book Author Publication
1. Ethics and Politics of the Indian Constitution Rajeev Bhargava Oxford University Press, NewDelhi,2008
2. The Constitution of India B. L. Fadia Sahitya Bhawan; New edition (2017)
3. Introduction to the Constitution of India D D Basu Lexis Nexis; Twenty – Third 2018 edition

5. SUGGESTED SOFTWARE/LEARNING WEBSITES:

a. https://www.constitution.org/cons/india/const.html
b. http://www.legislative.gov.in/constitution-of-india
c. https://www.sci.gov.in/constitution
d. https://www.toppr.com/guides/civics/the-indian-constitution/the-constitution-of-india/

(i) वेद, (ii) उनवेद (आयुवेद, धनुवेद, गन्धवेद, स्थानत्य आदद) (iii) वेदांग (शिक्षा, कल्त, ननरुत, व्याकरण, ज्योनतष छांद), (iv) उनाइग (धर्म सिस्र, रीरांसा, नुराण, तकमिास्र)