

Final Version

**REVISED CURRICULUM OF
COSTUME DESIGN AND GARMENT
TECHNOLOGY**

IN

**MULTI POINT ENTRY &
CREDIT SYSTEM**

PART-II

For the State of Meghalaya



**National Institute of Technical Teachers' Training & Research
Block – FC, Sector – III, Salt Lake City, Kolkata – 700 106**

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Table of Contents

Contents		Page No.
1	Detailed Curriculum Structure for Diploma in Garment Technology (MPECS)	
2	Sample path	
3	Detailed Course Contents:	

Scheme of Studies and Evaluation (MPECS) for COSTUME DESIGN AND GARMENT TECHNOLOGY

1. FOUNDATION COURSES:

Sl. No	Code	Course	Study Scheme			Evaluation Scheme						Total Marks	Credit	
			Pre-requisite	Contact Hour/Week			Theory			Practical				
				L	T	P	End Exam	Progressive Assessment		End Exam	Progressive Assessment			
								Class Test	Assignment*		Sessional			Viva
1	G101	Communication Skill-I		2	0	2	70	15	15	-	25	-	125	3
2	G102	Communication Skill-II	G101	2	0	2	70	15	15	-	25	-	125	3
3	GT 101	Introduction to IT		2	0	3	50	0	0	25	50	0	125	4
4	GT 102	History of fashion		3	0	0	70	15	15	0	0	0	100	3
5	GT 103	Basic Garment Design		1	0	6	0	0	0	50	25	25	100	4
6	GT 104	Introduction to textiles		3	0	2	70	15	15	25	25	0	150	4
TOTAL				13	0	15	330	60	60	100	150	25	725	21

* The marks for assignment (15) should include five (5) marks for attendance.

2. HARD CORE COURSES:

Sl. No	Code	Course	Study Scheme				Evaluation Scheme						Total Marks	Credit
			Pre-requisite	Contact Hour/Week			Theory			Practical				
				L	T	P	End Exam	Progressive Assessment		End Exam	Progressive Assessment			
								Class Test	Assignment		Sessional	Viva		
7	GT 201	Pattern making I		0	0	6	0	0	0	50	25	25	100	3
8	GT 202	Pattern making II	GT201	0	0	6	0	0	0	50	25	25	100	3
9	GT 203	Garment Construction I		0	0	6	0	0	0	100	25	25	150	3
10	GT 204	Garment construction II	GT203	0	0	6	0	0	0	100	25	25	150	3
11	GT205	Fashion Illustration		0	0	6	0	0	0	50	25	25	100	3
12	GT 206	Machine tools and equipment		2	0	2	50	0	0	25	25	0	100	3
13	GT207	Material studies		2	1	2	50	0	0	25	25	0	100	4
14	GT208	Costing of apparel products		2	0	2	50	0	0	25	25	0	100	3
15	GT209	Fashion illustration & forecasting	GT205	0	0	7	0	-	-	100	25	25	150	4
		TOTAL		7	1	43	150	0	0	525	225	150	1050	30

3. SOFT CORE COURSES: G301-302 COMPULSORY 5 FROM REST

Sl. No	Code	Course	Study Scheme				Evaluation Scheme						Total Marks	Credit
			Pre-requisite	Contact Hour/Week			Theory			Practical				
				L	T	P	End Exam	Progressive Assessment		End Exam	Progressive Assessment			
								Class Test	Assignment*		Sessional	Viva		
16	G301	Development of Life Skill-I		1	0	2	-	-	-	-	25	25	50	2
17	G302	Development of Life Skill-II		1	0	2	-	-	-	-	25	25	50	2
18	GT 303	Export import Management		3	0	0	70	15	15	-	-	-	100	3
19	GT304	Human Resource Management		3	0	0	70	15	15	-	-	-	100	3
20	GT305	Principles of Management		3	0	0	70	15	15	-	-	-	100	3
21	GT306	Industrial Economics Accountancy		3	0	0	70	15	15	-	-	-	100	3
22	GT307	Entrepreneurship Development		3	0	0	70	15	15	-	50	25	100	3
23	GT308	Word Art Appreciation		3	0	0	70	15	15				100	3
24	GT309	Market Research		3	0	0	70	15	15				100	3
TOTAL				17	0	7	350	75	75	-	100	75	675	21

* The marks for assignment (15) should include five (5) marks for attendance.

General code

4. BASIC TECHNOLOGY COURSES:

Sl. No	Code	Course	Study Scheme				Evaluation Scheme						Total Marks	Credit
			Pre-requisite	Contact Hour/Week			Theory			Practical				
				L	T	P	End Exam	Progressive Assessment		End Exam	Progressive Assessment			
								Class Test	Assignment*		Sessional	Viva		
23.	GT 401	Textiles printing & dyeing	GT104	3	0	3	70	15	15	25	15	10	150	5
24.	GT402	Introduction to coral draw & abode Photoshop		0	0	6	-	-	-	100	50	0	150	3
TOTAL				3	0	9	70	15	15	125	65	10	300	8

*The marks for assignment (15) should include five (5) marks for attendance.

5. APPLIED TECHNOLOGY COURSES:

Sl. No	Code	Course	Study Scheme				Evaluation Scheme						Total Marks	Credit
			Pre-requisite	Contact Hour/Week			Theory			Practical				
				L	T	P	End Exam	Progressive Assessment		End Exam	Progressive Assessment			
								Class Test	Assignment*		Sessio nal	Viva		
25	GT 501	Pattern making & grading	GT201, GT202	0	0	7	-	-	-	100	35	15	150	4
26	GT 502	Garment construction III	GT203, GT204	0	0	7	-	-	-	100	35	15	150	4
27	GT 503	Garment construction IV	GT502	0	0	7	-	-	-	100	25	25	150	4
28	GT 504	Draping & contouring I		2	0	3	-	-	-	-	70	30	100	4
29	GT 505	Draping & contouring II	GT504	1	0	6	-	-	-	50	70	30	150	4
30	GT 506	Apparel Manufacturing Technology		3	0	3	70	15	15	-	50	0	150	5
31	GT 507	Apparel marketing & merchandising		3	0	3	70	15	15	25	15	10	150	5
32	GT 508	Design collection		0	0	20	-	-	-	-	200	100	300	10
33	GT 509	Project methodology		3	0	0	70	15	15	-	-	-	100	3
34	GT 510	Ornamentation techniques		0	0	9	-	-	-	100	25	25	150	5
35	GT 511	Industrial Training		0	0	6	-	-	-	-	150	0	150	3
36	GT 512	Professional Practices-I		0	0	2	-	-	-	-	50	-	50	1
37	GT 513	Professional Practices-II		0	0	2	-	-	-	-	50	-	50	1
38	GT 514	Professional Practices-III		0	0	3	-	-	-	-	50	-	50	2
39	GT 515	Professional Practices-IV**		0	0	3	-	-	-	-	50	-	50	2
40	GT 516	Professional Practices-V#		0	0	6	-	-	-	-	50	-	50	3
TOTAL				12	0	87	210	45	45	475	925	250	1950	60

*The marks for assignment (15) should include five (5) marks for attendance.

** This includes industrial visit

This includes seminar on Industrial Training

6. ELECTIVE COURSES (Any TWO to be taken)

Sl. No	Code	Course	Study Scheme				Evaluation Scheme						Total Marks	Credit
			Pre-requisite	Contact Hour/Week			Theory			Practical				
				L	T	P	End Exam	Progressive Assessment		End Exam	Progressive Assessment			
							Class Test	Assignment*		Sessional	Viva			
	GT 601	Portfolio Development		0	0	9	-	-	-	100	50	0	150	5
	GT 602	Advanced Garmenting		0	0	9	-	-	-	100	50	0	150	5
	GT 603	Fashion Photography												
	GT604	Care & Maintenance of Textile												
TOTAL				0	0	18	-	-	-	200	100	0	300	10

***The marks for assignment (15) should include five (5) marks for attendance.**

SAMPLE PATH

TERM I

Sl no.	Code	Course	Study scheme			Evaluation scheme								Total Marks	Credit
			Pre-requisite	Contact hour/week			Theory			practical					
				L	T	P	End term	Internal assessment			End term	Internal assessment			
								Class test	Assignment	Attendance		Sessional	Viva		
1	G101	Communication Skills I		2	0	2	70	15	10	5	0	25	0	125	3
2	GT101	Introduction to IT		2	0	3	50	0	0	0	25	50	0	125	4
3	GT 102	History of fashion		3	0	0	70	15	10	5	0	0	0	100	3
4	GT103	Basic garment design		1		6	0	0	0	0	50	25	25	100	4
5	GT201	Pattern making I		0	0	6	0	0	0	0	50	25	25	100	3
6	GT203	Garment construction I		0	0	6	0	0	0	0	100	25	25	150	3
7	GT 206	Machine tools & equipment		2		2	50	0	0	0	25	25	0	100	3
		Total		10	0	25	240	30	20	10	250	175	75	800	23

SAMPLE PATH

TERM II

Sl no.	Code	Course	Study scheme			Evaluation scheme								Total Marks	Credit	
			Pre-requisite	Contact hour/week			Theory			practical						
				L	T	P	End term	Internal assessment			End term	Internal assessment				
								Class test	Assignment	Attendance		Sessional	Vi va			
1.	G102	Communication skills II	G101	2	0	2	70	15	10	5	0	25	0	125	3	
2.	GT104	Introduction to textiles		3	0	2	70	15	10	5	25	25	0	150	4	
3.	GT202	Pattern making II	GT201	0	0	6	0	0	0	0	50	25	25	100	3	
4.	GT204	Garment construction II	GT203	0	0	6	0	0	0	0	100	25	25	150	3	
5.	GT205	Fashion illustration		1	0	6	0	0	0	0	50	25	25	100	4	
6.	GT 207	Material studies		2	1	2	50	0	0	0	25	25	0	100	4	
7.	G301	Development in life skills I		1	0	2	0	0	0	0	0	25	25	50	2	
8.	GT512	Professional practice I		0		2	0	0	0	0	0	50		50	1	
			TOTAL	9	1	28	190	30	20	10	250	225	100	825	24	

SAMPLE PATH

TERM III

Sl no.	Code	Course	Study scheme			Evaluation scheme								Total Marks	Credit
			Pre-requisite	Contact hour/week			Theory			practical					
				L	T	P	End term	Internal assessment			End term	Internal assessment			
								Class test	Assignment	Attendance		sessional	Viva		
1.	GT302	Development in life skills II		1	0	2	0	0	0	0	0	50	0	50	2
2.	GT401	Textiles Printing & Dyeing	GT104	3	0	3	70	15	10	5	25	15	10	150	5
3.	GT501	Pattern making & grading	GT 201,202	0	0	7	0	0	0	0	100	35	15	150	4
4.	GT502	Garment construction III	GT203,204	0	0	7	0	0	0	0	100	35	15	150	4
5.	GT209	Fashion Illustration& Forecasting	GT205	0	0	7	0				100	35	15	150	4
6.	GT305	Principles of management		3	0	0	70	15	10	5	0	0	0	100	3
7.	GT402	Introduction to Coral Draw & abode Photoshop		0	0	6	0	0	0	0	100	50	0	150	3
8.	GT510	Ornamentation techniques		0	0	9	0	0	0	0	100	25	25	150	5
9.	GT513	Professional Practice II		0	0	2	0	0	0	0	0	50	0	50	1
			Total	7	0	42	140	30	20	10	525	295	80	1100	32

SAMPLE PATH

TERM IV

Sl no.	Code	Course	Study scheme				Evaluation scheme								Total Marks	Credit
			Pre-requisite	Contact hour/week			Theory			practical						
				L	T	P	End term	Internal assessment			End term	Internal assessment				
								Class test	Assignment	Attendance		sessional	Viva	attendances		
1.	GT506	Apparel manufacturing technology		3	0	3	70	15	10	5	0	50	0	0	150	5
2.	GT504	Draping & contouring I		2	0	3	0	0	0	0	0	70	30	0	100	4
3.	GT505	Draping & contouring II	GT504	0	0	6	0	0	0	0	50	70	30	0	150	4
4.	GT208	Costing of apparel product		2	0	2	50	0	0	0	25	15	10	0	100	3
5.	GT303	Export import Management		3	0	0	70	15	10	5	0	0	0	0	100	3
6.	GT503	Garment construction IV	GT502	0	0	7	0	0	0	0	100	25	25	0	150	4
7.	GT514	Professional practice III		0	0	3	0	0	0	0	0	50	0	0	50	2
			Total	10	0	26	175	38	20	10	175	275	75		800	25

SAMPLE PATH

TERM V

Sl no.	Code	Course	Study scheme				Evaluation scheme								Total Marks	Credit
			Pre-requisite	Contact hour/week			Theory			practical						
				L	T	P	End term	Internal assessment			End term	Internal assessment				
								Class test	Assignment	Attendance		sessional	Viva	attendances		
1	GT509	Project methodology		3	0	0	70	15	10	5	0	0	0	0	100	3
2	GT304	Human resource Management		3	0	0	70	15	10	5	0	0	0	0	100	3
3	GT306	Industrial Economics & Accountancy		3	0	0	70	15	10	5	0	0	0	0	100	3
4	GT507	Apparel marketing & Merchandising		3	0	3	70	15	10	5	25	15	10	0	150	5
5	GT601 to GT602	Elective-I		0	0	9	0	0	0	0	100	50	0	0	150	5
6	GT603 to GT604	Elective-II		0	0	9	0	0	0	0	100	50	0	0	150	5
7	GT515	Professional practice IV		0	0	3	0	0	0	0	0	50	0	0	50	2
			Total	12	0	24	280	60	40	20	225	165	10	0	800	26

SAMPLE PATH

TERM VI

Sl no.	Code	Course	Study scheme			Evaluation scheme									Total Marks	Credit
			Pre-requisite	Contact hour/week			Theory			practical						
				L	T	P	End term	Internal assessment			End term	Internal assessment				
								Class test	Assignment	Attendance		sessional	Viva	attendances		
1	GT307	Entrepreneurship Development		3	0	3	70	15	10	5	0	50	25	0	175	5
2	GT508	Design collection		0	0	20	0	0	0	0	0	200	100	0	300	10
3	GT516	Professional Practice V		0	0	4	0	0	0	0	0	50	0	0	50	2
4	GT511	Industrial training		0	0	6	0	0	0	0	0	150	0	0	150	3
5	GT308	Word Art Appreciation		3	0	0	70	15	10	5	0	0	0	0	100	3
6	GT309	Market Research		3	0	0	70	15	10	5	0	0	0	0	100	3
			Total	3	0	34	70	0	0	0	0	450	125	0	675	20

HARD CORE COURSES

COSTING OF APPAREL PRODUCTS

L *T* *P*
2 0 2

Curri. Ref. No.: GT 208

Total Contact hrs. : 60

Total marks: 100

Theory: 100

Theory: 30 hrs.

End Term Exam: 50

Tutorial: 30 hrs.

P.A.: 30

Practical: 0 hr.

Practical: 0

Prerequisite:

End Term Exam: 0

Credit: 3

P.A.: 0

Rationale:

The objective of this course is to make the participants understand all the elements that affect product costing in Apparel and respective measurement. The participants also learn to measure these elements accurately and obtain a true picture of profit opportunity and obstacles.

Detailed Course Contents

Theory	Practical
<ul style="list-style-type: none"> □ Concept of measurement: (8hrs.) <ul style="list-style-type: none"> ➤ Measurement of area of circle (Πr^2), perimeter of circle ($2\Pi r$) ➤ Area of sector of circle ➤ Area of Triangle $[S(S-A)(S-B)(S-C)]^{1/2}$ from formula ➤ Area of trapezium ➤ Surface area and volume of sphere, cylinder and cone from the standard formulae ➤ Surface area and volume of prism and pyramid from the standard formulae ➤ Parallelepiped and cube surface area and volume measurement □ Introduction to Cost Accounting: (37 hrs.) <ul style="list-style-type: none"> • Responsibility Accounting • Uses of Cost Accounting • Elements of Cost <ul style="list-style-type: none"> ➤ Direct material ➤ Direct labour ➤ Factory overhead • Cost of goods manufactured statement • Cost behavior patterns in the Apparel Industry <ul style="list-style-type: none"> ➤ Fixed ➤ Variable ➤ Semi-variable 	<ul style="list-style-type: none"> • Assignments work (Conceptions and numerical problems considering examples given from Apparel Industry data)

<ul style="list-style-type: none"> • Job order for process costing ➤ Accounting for factory overhead • Cost volume profit analysis : <ul style="list-style-type: none"> ➤ Break down analysis ➤ Contribution margin ➤ Variable cost ratio ➤ Marginal income 	
<ul style="list-style-type: none"> • Sales mix by garment style : <ul style="list-style-type: none"> ➤ Effect of volume change ➤ Price / volume analysis • Apparel marketing cost analysis : <ul style="list-style-type: none"> ➤ Effective variance ➤ Price variance • Determining pricing of Apparel Products : <ul style="list-style-type: none"> ➤ Full cost pricing ➤ Conversion cost pricing etc. • The Budgeting process : <ul style="list-style-type: none"> ➤ Budgeting principles for the Apparel Industry etc. 	<p>Assignments work</p>

Bibliography :

1. Costing : An instructional manual - T. Lucey, D. P. Publication Ltd., London

FASHION ILLUSTRATION AND FORECASTING

L T P
0 0 7

Curri. Ref. No.: GT 209

Total Contact hrs. : 60

Total marks: 150

Practical : 150

Theory: 0 hr.

End Term Exam: 100

Tutorial: 0 hr.

P.A.: 50

Practical : 60 hrs.

Prerequisite: GT205

Credit: 4

Rationale :

In this subject, students will practice illustration of different types costume, prints their effects. They will also illustrate about draped dresses with different types of figures and dresses using colour crayons etc. explaining compositional forms and their importance.

Theory	Practical
<ul style="list-style-type: none"> • What makes a good designer ? <ul style="list-style-type: none"> ➤ Principles of design ➤ Effects of style line, placement of the waistline, shape of silhouette etc. • Feature illustration • Story board inspiration • Sources of inspiration for designer • Fashion forecasting • Catwalk sketches 	<p>Illustration of Fashion, Fester and Advertising :</p> <ul style="list-style-type: none"> • Rendering of different types of prints when draped into dresses • Different types of texture its use in illustration different fashion garments • Different Dresses, using different mediums (colour pencil, crayon, waterproof inks, poster colours etc.) • Costume life daring • Collage full page picture strong in brut composition and subject matter • The concept and mood worked on in a story board • Theme to be developed and details to be recorded • Different types of inspiration, sheets environment, sea, nature, festival • Make infinite number of styles and techniques • Predicting the trend at least two years ahead of the market. So an illustrator can represent for the coming looks • Quick sketching & Draping

Bibliography:

1. Fashion Forecasting – Rita Perna
2. Fashion illustration today – N. A. Drake

Bibliography:

1. Plant layout and material handling - J.M. Apple, John Wiley & Sons, NewYork

SOFTCORE COURSES

DEVELOPMENT OF LIFE SKILL - I

L T P
1 0 2

Curri. Ref. No.: G301

Total Contact hrs : 45

Total marks: 50

Practical: 50

Theory: 15

End Term Exam: 25

Practical: 30

P.A : 25

Credit : 2

Aim :-

This subject is kept to

- Conduct different session to improve students memory Power
- Conduct different session to improve time management skills
- Motivate student to face realistic problem with confidence and positive approach

Objective: -

This course will enable the students to:

- Develop reading skills
- Use techniques of acquisition of information from various sources
- Draw the notes from the text for better learning.
- Apply the techniques of enhancing the memory power.
- Develop assertive skills.
- Prepare report on industrial visit.
- Apply techniques of effective time management.
- Set the goal for personal development.
- Enhance creativity skills.
- Develop good habits to overcome stress.
- Face problems with confidence

DETAILED COURSE CONTENT

THEORY:

UNIT	TOPIC/SUB-TOPIC	TOTAL HRS.
Unit -1	Importance of DLS Introduction to subject, importance in present context ,application	01
Unit -2	Information Search Information source –Primary, secondary, tertiary Print and non – print, documentary, Electronic Information center, Library, exhibition, Government Departments. Internet Information search – Process of searching, collection of data –questionnaire, taking Interview, observation method.	02

Unit – 3 Written communication	01
Method of note taking	
Report writing –Concept, types and format.	
Unit – 4 Self Analysis	02
Understanding self—	
Attitude, aptitude, assertiveness, self esteem,	
Confidence buildings. Concept of motivation.	
Unit – 5 Self Development	06
Stress Management –Concept, causes, effects and remedies to	
Avoid / minimize stress.	
Health Management – Importance, dietary guidelines and	
exercises.	
Time management- Importance, Process of time planning, Urgent	
Vs importance, Factors leading to time loss and ways to handle it,	
Tips for effective time management.	
Emotion-concept, Types, Controlling, Emotional intelligence,	
Creativity-concept, Factors enhancing creativity	
Goal setting-concept, Setting smart goal	
Unit – 6 Study habits	03
Ways to enhance memory and concentration.	
Developing reading skill.	
Organisation of knowledge,	
Model and methods of learning.	

SUGGESTED LEARNING RESOURCES

REFERENCE BOOKS:

1. Personality Development & Soft Skills by B. K. Mitra, Oxford University Press
2. Basic Managerial Skills for All - E.H. Mc Grath , S.J., Prentice Hall of India Pvt Ltd
3. Body Language - Allen Pease, Sudha Publications Pvt. Ltd.
4. Creativity and problem solving - Lowe and Phil, Kogan Page (I) P Ltd
5. Decision making & Problem Solving - Adair, J, Orient Longman
6. Develop Your Assertiveness - Bishop , Sue, Kogan Page India
7. Time management - Chakravarty, Ajanta, Rupa and Company
8. Life Skills Activities for Secondary Students with Special Needs - Darlene Mannix, Kindle Edition

Internet Assistance:

- 1) <http://www.mindtools.com>
- 2) <http://www.stress.org>
- 3) <http://www.ethics.com>
- 4) <http://www.coopcomm.org/workbook.htm>
- 5) <http://www.mapfornonprofits.org/>
- 6) <http://www.learningmeditation.com> <http://bbc.co.uk/learning/courses/>
- 7) <http://eqi.org/>

- 8) <http://www.abacon.com/commstudies/interpersonal/indisclosure.html>
- 9) <http://www.mapnp.org/library/ethics/ethxgde.htm>
- 10) http://www.mapnp.org/library/grp_cnfl/grp_cnfl.htm
- 11) <http://members.aol.com/nonverbal2/diction1.htm>
- 12) http://www.thomasarmstron.com/multiple_intelligences.htm
- 13) <http://snow.utoronto.ca/Learn2/modules.html>
- 14) <http://www.quickmba.com/strategy/swot/>

Practical :

Suggested List of activities:

- 1 Conduct Guest Lectures.
- Conduct Industrial visits.
- Conduct Seminar/Group Discussions.

Suggested List of Assignments/Tutorial :

The Term Work Will Consist Of Following Assignments.

- 1 Library search:-
Visit your Institute's Library and enlist the books available on the topic given by your teacher. Prepare a bibliography consisting name of the author, title of the book, publication and place of publication.
- 2 Enlist the magazines, periodicals and journals being available in your library. Select any one of them and write down its content. **Choose a topic for presentation.**
- 3 Attend a seminar or a guest lecture, listen it carefully and note down the important points and prepare a report of the same.
- 4 Visit to any one place like historical/office/farms/development sites etc. and gather information through observation, print resources and interviewing the people.
- 5 Prepare your individual time table for a week –
 - (a) List down your daily activities.
 - (b) Decide priorities to be given according to the urgency and importance of the activities.
 - (c) Find out your time wasters and mention the corrective measures.
- 6 Keep a diary for your individual indicating- planning of time, daily transactions, collection of good thoughts, important data, etc
- 7 Find out the causes of your stress that leads tension or frustration .Provide the ways to Avoid them or to reduce them.
- 8 Undergo the demonstration on yoga and meditation and practice it. Write your own iews, feeling and experiences on it.

NOTE: - THESE ARE THE SUGGESTED ASSIGNMENT FOR GUIDE LINES TO THE SUBJECT TEACHER. HOWEVER THE SUBJECT TEACHERS CAN SELECT, DESIGN ANY ASSIGNMENT RELEVANT TO THE TOPIC, KEEPING IN MIND THE OBJECTIVES OF THIS SUBJECT.

DEVELOPMENT OF LIFE SKILL II

L T P
1 0 2

Curri. Ref. No.: G302

Total Contact hrs : 45

Total marks: 50

Theory: 0

Theory: 15

End Term Exam: 0

Practical: 30

P.A.: 0

Pre requisite: G301

Practical: 50

Credit:2

End Term Exam: 0

P.A : 50

DETAILED COURSE CONTENT

THEORY:

UNITS	CONTENTS	Hours
Unit 1	<p>Inter personal Relation Importance, Interpersonal conflicts, Resolution of conflicts, Developing effective interpersonal skills communication and conversational skills, Human Relation Skills (People Skills)</p>	1
Unit 2	<p>Problem Solving I) Steps in Problem Solving (Who? What? Where? When? Why? How? How much?) 1. Identify, understand and clarify the problem 2. Information gathering related to problem 3. Evaluate the evidence 4. Consider feasible options and their implications 5. Choose and implement the best alternative 6. Review II) Problem Solving Technique 1. Trial and Error, 2. Brain Storming, 3. Thinking outside the Box</p>	2
Unit 3	<p>Presentation Skills Concept, Purpose of effective presentations, <i>Components of Effective Presentations:</i> Understanding the topic, selecting the right information, organizing the process interestingly, Good attractive beginning, Summarising and concluding, adding impact to the ending, <i>Use of audio visual aids</i> OHP, LCD projector, White board, <i>Non verbal communication:</i> Posture, Gestures, Eye contact and facial expression, Voice and Language Volume, pitch, Inflection, Speed, Pause, Pronunciation, Articulation, Language Handling questions Respond, Answer, Check, Encourage, Return to presentation <i>Evaluating the presentation</i> Before the presentation, During the presentation, After the presentation</p>	4

Unit 4	Looking for a Job Identifying different sources announcing Job vacancies, Skim, scan and read advertisements in detail, write efficacious CVs, write covering letters to a company CVs, write Job Application Letters in response to advertisements & self-applications	2
Unit 5	Job Interviews <i>Prepare for Interviews:</i> Intelligently anticipating possible questions and framing appropriate answers, Do's and don'ts of an interview(both verbal and non verbal), <i>Group Discussion:</i> Use of Non verbal behavior in Group Discussion, Appropriate use of language in group interaction, Do's and don'ts for a successful Group Discussion	4
Unit 6	Non verbal graphic communication Nonverbal codes: A - Kinesics, B - Proxemics, C - Haptics, D - Vocalics, E - Physical appearance, F - Chronemics, G - Artifacts Aspects of Body Language	1
Unit 7	Formal Written Skills: Memos, Emails, Netiquettes, Business correspondence Letter of enquiry, Letter of Placing Orders, Letter of Complaint	1
Total		15
Practical Total Periods : 30 Periods : 2 P/W		
Unit 1 Interpersonal Relation	Case Studies: 1.from books 2.from real life situations 3.from students' experiences Group discussions on the above and step by step write of any one or more of these in the sessional copies	2
Unit II Problem Solving	Case Studies: 1.from books 2.from real life situations 3.from students' experiences Group discussions on the above and step by step write of any one or more of these in the sessional copies	4
Unit III Presentation Skills	Prepare a Presentation (with the help of a Power point) on a Particular topic. The students may refer to the Sessional activity (sl.No.8) of the Computer Fundamental syllabus of Semester1. For engineering subject oriented technical topics the cooperation of a subject teacher may be sought. Attach hand out of PPT in the sessional copy	8
Unit IV Looking for a job	Write an effective CV and covering letter for it. Write a Job Application letter in response to an advertisement and a Self-Application Letter for a job.	4
Unit V Job Interviews &Group	Write down the anticipated possible questions for personal interview (HR)along with their appropriate responses Face mock interviews. The cooperation of HR personnels of industries may be sought if possible	8

Discussions	Videos of Mock Group Discussions and Interviews may be shown	
Unit VII Formal Written Skills	Write a memo, Write an effective official e-mail, write a letter of enquiry, letter of placing orders, letter of complaint	4
	Total	30

Export Import Management

L *T* *P*
3 0 0

Curri. Ref. No.: GT 303

Total Contact hrs.: 45

Total marks:100

Theory: 100

Theory: 45 hrs.

End Term Exam: 70

Tutorial: 0 hr.

P.A.: 30

Practical : 0 hr.

Practical : 0

Prerequisite:

End Term Exam: 0

Credit: 3

P.A.: 0

Rationale:

The Course provides information about the export import policies and procedures specific to the garment industry. It includes pre as well as post shipping documents, Export Import policy, credit facilities to the exporters, insurance schemes, etc.

Detailed Course Contents

Theory	Practical
<ul style="list-style-type: none"> • GATT about the agreements. (2 hrs.) • MFA and Bilateral textile agreements signed by India. (3 hrs.) • Govt. of India's export entitlement policy on garment exports. (2 hrs.) • AEPC 's role in the administration of export entitlement policy. (3 hrs.) • Export promotional activities of AEPC. (3 hrs.) • Facilities available for garment exporters. (12 hrs.) <ul style="list-style-type: none"> ➤ Cash compensatory support, ➤ Duty drawback, ➤ Export finance through banks. ➤ Free trade zones & Economic ➤ Trade zones ➤ Export import banks ➤ 100 % EOU Scheme of GOI. ➤ Export credit Guarantee Corporation. • How to start a Garment exporting Co. (10 hrs.) <ul style="list-style-type: none"> ➤ Know how, Export contracts, Documents connected with Exports, Exchange control relating to exports. • International Marketing (10 hrs.) <ul style="list-style-type: none"> ➤ International Marketing System. ➤ Shipping and Air transportation system ➤ E-Commerce ➤ Customer satisfaction particulars <p>Theoretical concept and information from AEPC & other sources to be supplied in between.</p>	<ul style="list-style-type: none"> • Assignment : <p style="padding-left: 20px;">Prepare & Maintain a data bank on exports under different headings like material base or exporter base etc.</p>

Bibliography:

- 1) AEPC Hand Book on export data & documents (Yearwise Publications are available in AEPC office)
- 2) Govt. of India notifications/ Gazettes & documental publications on EXIM Policy matters (Yearwise Publications are available in Commercial Library)
- 3) Website : [Textile Ministry.com](http://TextileMinistry.com)

HUMAN RESOURCE MANAGEMENT

L *T* *P*
3 0 0

Curri. Ref. No.: GT 304

Total Contact hrs.: 45

Total marks:100

Theory: 100

Theory: 45 hrs.

End Term Exam: 70

Tutorial: 0 hr.

P.A.: 30

Practical : 0 hr.

Practical : 0

Prerequisite:

End Term Exam: 0

Credit: 3

P.A.: 0

Rationale:- This course is outlined to enable the participants conceptualize the aspects of personnel management and industrial relations applicable to the garment industry also to acquaint them with the wage & salary administration, labour welfare & labour legislation.

Detailed Course Contents

Theory	Practical
<p>Theoretical concept & procedural understanding on :</p> <ul style="list-style-type: none"> • Personal Management : (3 hrs.) <ul style="list-style-type: none"> ➤ Nature, scope ➤ Objective and importance of personnel management ➤ Present status etc. • Planning and procurement of manpower : (5 hrs.) <ul style="list-style-type: none"> ➤ Planning ➤ Selection ➤ Job specification ➤ Tools of selection ➤ Application, tests, etc. • Training & development of personnel (2 hrs.) • Employee communication & motivation. (3 hrs.) • Job change – lay off etc. (2 hrs.) • Industrial relations : (5 hrs.) <ul style="list-style-type: none"> ➤ Nature & scope ➤ Importance of harmonious industrial relation system • Legal frame, Acts (dispute Act etc.) (5 hrs.) • Growth of trade unions, structure & leadership etc. (2 hrs.) • Handling of grievances (3 hrs.) • Model grievance procedures (3 hrs.) • Management of discipline (4 hrs.) 	<ul style="list-style-type: none"> • Practical demonstration in a garment unit of the system & assignments.

Theory	Practical
<ul style="list-style-type: none"> • Conceptualization & ideas on Wage & Salary Administration: (4 hrs.) <ul style="list-style-type: none"> ➤ Industrial process of wage calculation (in garment industry) time & piece wages, etc. ➤ Equipment wage structure • Labour Welfare & legislation: (4 hrs.) <ul style="list-style-type: none"> ➤ Concept, voluntary & statutory benefits & services ➤ Factory act ➤ Social security legislation ➤ Workers participation in management 	<ul style="list-style-type: none"> • Case study • Role Play

Bibliography:

1. Personal Management - A. Monappa & M. Saiyadani, Tata McGraw Hill, New Delhi
2. Personal Management - Margaret Attwood, Macmillan education Ltd., London
3. Personal Management & Industrial Relation - R. Dayal Sofhers, Mittal Publication, New Delhi
4. Personal Management & Industrial Relation - P. Kumar , Kedarnath Ramnath & Co., Meerut, U.P.

PRINCIPLES OF MANAGEMENT

L *T* *P*
3 0 0

Curri. Ref. No.: GT 305

Total Contact hrs.: 45

Total marks: 100

Theory: 100

Theory: 45 hrs.

End Term Exam: 70

Tutorial: 0 hr.

P.A.: 30

Practical : 0 hr.

Practical : 0

Prerequisite:

End Term Exam: 0

Credit: 3

P.A.: 0

Rationale:

The objective of this course is to acquaint the participants with business organisations and to familiarize them with basic management concepts and processes with special reference to the Apparel Industry.

Detailed Course Contents

Theory	Practical
<p>Conceptualization & explanations</p> <ul style="list-style-type: none"> ● Organizing Business : <ul style="list-style-type: none"> ➤ Organization- types & objectives ➤ Role of management ➤ Functions and processes ➤ Managerial levels & skills ➤ Planning, organizing, staffing, etc. ● Approach to management : Theory of leadership <ul style="list-style-type: none"> ➤ Motivation & employee communications ➤ Decision making concepts ➤ Responsibility, authority and delegation ● Accounting & finance function of management : <ul style="list-style-type: none"> ➤ Accounting for managerial decision making, etc. ➤ Basic financial statements ➤ Capital structures ➤ Industrial process of wage calculation , time & piece wages, equipment wage structure ● Human resource management functions : <ul style="list-style-type: none"> ➤ Manpower planning ➤ Job analysis, job description & evaluation ➤ Selection, employee remuneration ➤ Training and development of personnel 	<ul style="list-style-type: none"> ● Assignments on the basis of factual reality of Apparel Industry.

Theory	Practical
<ul style="list-style-type: none"> ● Marketing Management: Definition & concepts <ul style="list-style-type: none"> ➤ Product, price and packaging ● Operations management : <ul style="list-style-type: none"> ➤ Purchasing & materials management ➤ Layout planning ➤ Production planning & control, etc. ● Conceptualization on Information Systems <ul style="list-style-type: none"> ➤ Introduction & characteristics ➤ Decision making ➤ Management information systems, etc. ➤ Industrial relation: Importance of harmonious industrial relation system ➤ Legal frame, Acts & legislations, Growth of Trade Unions ➤ Handling of grievances ➤ Factory acts 	<ul style="list-style-type: none"> ● Assignments on the basis of factual reality of Apparel Industry. ● Practical demonstration by I.T. Softwares

Bibliography:

1. Management - Koontz, A., Donnell, C. & Weihrich, H, Mc Graw Hill Intl., Tokyo
2. Managers guide to Accounting & finance - Chandra, Prasanna, Tata Mc Graw Hill, New Delhi.
3. Personnel Management - Morappa, A. & Saiya dain, M.S., Tata Mc Graw Hill, New Delhi.
4. Personnel Management – Margaret Attwood , Macmillan Education Ltd., London
5. Personnel Management & Industrial Relations – P. Kumar, Kedarnath Ramnath & Co., Meerut, U.P.

INDUSTRIAL ECONOMICS & ACCOUNTANCY

L *T* *P*
3 0 0

Curri. Ref. No.: GT 306

Total Contact hrs.: 45

Total marks: 100

Theory: 100

Theory: 45 hrs.

End Term Exam: 70

Tutorial: 0 hr.

P.A.: 30

Practical : 0 hr.

Practical : 0

Prerequisite:

End Term Exam: 0

Credit: 3

P.A.: 0

RATIONALE:

The Course provides the participants a fundamental knowledge of accounting and introduces the fundamentals of Cost accounting. They also learn to correlate the costing systems and their application to the apparel industry. The participants also know how to apply the micro-economic concepts, tools and techniques, in evaluating business decisions taken by a firm.

Detailed Course Contents

Theory	Practical
<p>Theoretical concepts & implementation of these concepts in the problem solving and in case of decision making :</p> <ul style="list-style-type: none"> • Introduction to managerial economics (2 hrs.) • Optimization : (3 hrs.) <ul style="list-style-type: none"> ➤ Optimality in economic/business decision analysis • Conditions: (2 hrs.) <ul style="list-style-type: none"> ➤ Constrained maxima etc. • Microeconomics analysis: (3 hrs.) <ul style="list-style-type: none"> ➤ Theory of demand: demand functions, income & substitution effects etc. • Production and Cost : (10 hrs.) <ul style="list-style-type: none"> ➤ The firm and its objectives ➤ Market structure, pricing & output ➤ Capital budgeting ➤ Decision making under risk & uncertainty ➤ Utility, risk and game theory etc. 	<ul style="list-style-type: none"> • Assignments with realistic garment unit problems to be collected from Industry.

Theory	Practical
<ul style="list-style-type: none"> • Introduction to accounting: (5 hrs.) <ul style="list-style-type: none"> ➤ Nature & scope of accounting ➤ Users of accounting information ➤ Debit & credit, etc. • The double entry system (5 hrs.) <ul style="list-style-type: none"> ➤ Journal, Ledger, Cash Book, Trial Balance etc. ➤ Reconciliation statements and rectification of errors • Income & expenditure account (5 hrs.) • Manufacturing, trading and profit & loss account • Introduction to cost accounting : (5 hrs.) <ul style="list-style-type: none"> ➤ Responsibility accounting ➤ Uses of cost accounting in the garment sector (use of realistic figures). 	<ul style="list-style-type: none"> • Assignments with realistic garment unit, problems to be collected from Industry

Bibliography:

1. Economic theory & operations / Analysis - W. J. Bamual
2. Managerial Economics, third edition, Khosla Publishing House
3. Costing for clothing – Michael Jeffery
4. Apparel manufacturing – Glock & Kunz., Prentice Hall, N. Jersey
5. Website: Textile ministry .com
6. Govt. of India notification / Gazettes, etc.

ENTREPRENEURSHIP DEVELOPMENT

L T P
3 0 0

Curri. Ref. No.: GT 305

Total Contact hrs.: 45

Theory: 45 hr.

Tutorial: 0 hr.

Practical: 0 hrs.

Prerequisite:

Credit: 3

Total marks: 100

Theory: 100

End Term Exam: 70

P.A.: 30

Practical :75

End Term Exam:

P.A.: 75

RATIONALE

The course intends to provide the fundamental aspects of entrepreneurship as a means for self-employment and culminating in economic development of the country. It deals with basic issues like entrepreneurial characteristics and quality, governmental policy support and overall scenario along with opportunities and the facilities available for entrepreneurship development.

DETAIL COURSE CONTENT THEORY:

UNIT TOPIC / SUB-TOPIC	Lecture Hrs.
1.0 INTRODUCTION	10
1.1 Definition and functions of Entrepreneur, entrepreneurship quality, entrepreneurial spirit, need for entrepreneurship.	
1.2 Individual and social aspects of business – achievement motivation theory Social responsibilities of Entrepreneurs	
2.0 FORMS OF BUSINESS ORGANISATION	4
2.1 Types of company	
2.2 Merits and demerits of different types	
2.3 Registration of small scale industries	
2.4 Conglomeration.	
3.0 SMALL SCALE AND ANCILLARY INDUSTRIES	8
3.1 Definition – scope with special reference to self-employment.	
3.2 Procedure to start small scale and Ancillary industries	
3.3 Pattern on which the Scheme/Project may be prepared	
3.4 Sources of finance - Bank, govt., and other financial institutions.	
3.5 Selection of site for factory	
3.6 Factors of selection	
3.7 N.O.C. from different authorities, e.g., Pollution Control Board, Factories Directorate etc.	
3.8 Trade License.	
4.0 STEM OF DISTRIBUTION	1
4.1 Wholesale Trade	
4.2 Retail trade	

5.0 SALES ORGANISATION	3
5.1 Market survey, marketing trends, knowledge of competitors, product selection & its basis .	
5.2 Sales promotion	
5.3 Advertisement	
5.4 Public relations and selling skills	
4.0 PRICING THE PRODUCT	1
6.1 Basic guidelines	
5.0 INTRODUCTION TO IMPORT AND EXPORT	6
7.1 Procedures for export	
7.2 Procedures for import	
7.3 Technical collaboration – international trade	
7.4 Business insurance	
7.5 Rail and road transport	
7.6 Forwarding formalities, FOR, FOB, CIF, etc.	
6.0 BUSINESS ENQUIRIES	4
8.1 Enquiries: From SISI, DIC, SFC Dept. of Industrial Development Banks.	
8.2 Offers and Quotations	
8.3 Orders	
7.0 PROJECT REPORT	6
9.1 Project Report on feasibility studies for small scale industries, proposal for finances from bank and other financial institutions for establishing new industries and its extension, obtaining License enlistment as suppliers, different vetting organizations for Techno Economic feasibility report. Breakeven analysis, Breakeven point.	
8.0 ENVIRONMENT LEGISLATION	2
10.1 Air Pollution Act	
10.2 Water Pollution Act	
10.3 Smoke Nuisance Control Act	
10.4 ISO: 14000, OSHA	

WORLD ART APPRECIATION

L T P
3 0 0

Curri. Ref. No.: GT 308

Total Contact hrs.: 45

Theory: 45 hr.

Tutorial: 0 hr.

Practical: 0 hrs.

Prerequisite:

Credit: 3

Total marks: 100

Theory: 100

End Term Exam: 70

P.A.: 30

Practical :

End Term Exam:

P.A.:

Course Objectives :

The objective of the course is to give an insight and input about the various aspects of the History of World Art right from the origin. The students learn about the historic importance and relevance of the various aspects and phases of the World Art and take inspiration and influence for their own creations.

- Introduction to Pre Historic Art
- Egyptian Art
- Greek and Roman Art
- Medieval Europe: the birth of two major religions-Christianity and Islam
- The Renaissance and it's masters
- Mannerism and Baroque and Realism
- Impressionism and Post Impressionism
- Cubism
- Fauvism
- Surrealism
- Discussions/presentations

Instruction to the Examiner:

- Please add Fill in the blanks for at least 20 marks.
- Presentations on topics in groups should be given.

Reference books:

- A Concise History Of Modern Painting by Herbert Read
- A History Of Modern Art by H.H. Arnason
- History Of Art by H.W. Janson
- A History Of Fine Arts by Edith Tomory

MARKET RESEARCH

L T P
3 0 0

Curri. Ref. No.: GT 309

Total Contact hrs.: 45

Theory: 45 hr.

Tutorial: 0 hr.

Practical: 0 hrs.

Prerequisite:

Credit: 3

Total marks: 100

Theory: 100

End Term Exam: 70

P.A.: 30

Practical :

End Term Exam:

P.A.:

Course Objectives :

The course would be focused towards class participation and assignments.

The course will be divided into four modules of 4 classes each

- Introduction to Marketing – This section will give a broad overview of the marketing process.
- Marketing Process – Here we will explore areas like consumer behaviour advertising / promotions distribution, new product launches. At end of Module – 2 the students should be able to define what marketing is all about and start relating the inputs provided to their own lives.
- Introduction to Market Research – This will talk about market research on a very broad level.
- Market Research Techniques – This will provide a little depth to so that the students can understand different MR models and use them for their course work.

Each group will be required to carry out market research and present the result to the class at the end of the course.

It is intended for the students to get information on the various accessories and equipments available in the market used for garment manufacturing. The class room sessions can give only a brief description of the basic material used for the trade. Detailed information on various materials available for manufacturing and adornment can be gained through survey of the market. The survey is to be conducted during out off the class. Students are required to survey the market and collect maximum samples as far as possible. They are to prepare a catalogue that consists of samples along with a report describing their practical applications. Evaluation to be done on the basis of collection of samples and description of their features and applications. Collection of samples/details of following items are suggested:

- a) Different types of sewing threads – their use according to materials.
- b) Cloth samples of various weaves, materials, embroidery, design etc.
- c) Sewing needles – various grades
- d) Different types of sewing machines – single needle, double needle etc.
- e) Trimming materials – Different fasteners used in dress making trade, hooks, eye, zips, buckles, buttons, elastics etc, their materials, size, specifications etc.
- f) Lining, interlining, interfacing & stiffening materials.

- g) Button sewing machine, button hole stitching machine, over lock machine – three threads, five threads etc, cutting machine.
- h) Iron, Presser board, Cutting machine etc.

BASIC TECHNOLOGY COURSES

TEXTILES PRINTING & DYEING

L *T* *P*
3 0 3

Curri. Ref. No.: GT 401

Total Contact hrs. : 90

Total marks: 150

Theory: 100

Theory: 30 hrs.

End Term Exam: 70

Tutorial: 0 hr.

P.A.: 30

Practical: 60 hrs.

Practical: 50

Prerequisite: GT 104

End Term Exam: 25

Credit: 5

P.A.: 25

Rationale: - The course aims at providing knowledge to the students regarding the value addition of fabrics, yarns and fibers by means of dyeing and printing methods. It is need based, technical in nature and application oriented.

Details Course Contents

Theory	Practical
<ul style="list-style-type: none"> ➤ Dyes and General application : ➤ Definition of colour, dyes & pigment ➤ Classification of dyes ➤ Application of dyes on textiles ➤ Pigment application ➤ Types of dyeing : Piece dyeing – jet, beek, jig, pad, beam ➤ Garment Dyeing Special dyeing effects ➤ Cross Dyeing, Union dyeing, tone in tone effects, etc. ➤ Analysis of defects – causes & remedies. • Textile Printing methods of printing : <ul style="list-style-type: none"> ➤ Hand block & screen printing ➤ Roller & rotary methods. ➤ Flat bed screen printing ➤ Heat trams for method of printing ➤ Styles of printing with special emphasis on garment printing : <ul style="list-style-type: none"> Direct ➤ Discharge ➤ Resist ➤ Special effects – tie & dye, batik, etc. • Special types of prints : <ul style="list-style-type: none"> ➤ Batch ➤ Flocks prints ➤ Burn ent prints ➤ Duplex prints ➤ Engineered prints ➤ Warp prints • Fastness of fabrics : <ul style="list-style-type: none"> ➤ Inspection of dyed & printed fabric ➤ Fastness to washing & dry cleaning, light ➤ Fastness to perspiration, weather. 	<ul style="list-style-type: none"> • Demonstration • Laboratory Work

Bibliography :

1. Fabric Science - J. J. Pizzuto, Fair Child Publication, New York, 1990
2. Chemistry of dyes & principles of dyeing, Vol. I & II- Dr. M. A. Sheuai, Serak Publications, 1993
3. Introduction to Textile Finishing - J. T. Marsh, Chapman & Hall, London, 1966

INTRODUCTION TO CORAL DRAW AND ABODE PHOTOSHOP

L T P
0 0 6

Curri. Ref. No.: GT 402

Total Contact hrs.: 90

Total marks: 150

Theory: 0

Theory: 0 hr.

End Term Exam: 0

Tutorial: 0 hr.

P.A.: 0

Practical : 90 hrs.

Practical: 100

Prerequisite:

End Term Exam: 100

Credit: 3

P.A.: 50

Detailed Course Contents

Theory	Practical
<ul style="list-style-type: none"> ➤ Introduction and meaning for CAD, Computer and the Fashion industry. Acceptance of new technology. Quick response technology. ➤ CAD in fashion industry. Types of CAD systems – Textile design system, illustration / sketchpad system. Texture mapping – Draping software, Embroidery system, Specification and costing system. Digitizing and grading system, marker-making systems, pattern Design software, robotics and Garment moving Technology. Commercial software systems. ➤ CAD from sketch to market – Conceptualization – Definition Preproduction, Production and Promotion. ➤ Silhouette – Introduction, Fashion cycle, understanding shape, fabric selection and silhouette – proportion, line, focal point, cut, fit and construction, coordinating silhouette. Rendering silhouette. Computer rendering of silhouette. ➤ Presentation and Graphics: Introduction, External presentation, internal presentation, planning a presentation – organization and composition. Computer generated presentation, computer generated catalogues, presentation board, Multimedia and 3 – D presentation. 	<ul style="list-style-type: none"> •

SUGGESTED LEARNING RESOURCES

Reference Books:

Title Author; Publication; Edition; Year

1. Respective software manuals (Adobe Photoshop, Corel draw)
2. Photoshop Retouching Techniques Eismann, Katrin, Simmon, Steve Publisher
3. Teach Yourself Access for Windows Siegel, Charles , BPB Publications, New Delhi
4. CAD for Fashion Design Rene Weiss Chase., Prentice Hall, London.

PRACTICAL:

Suggested list of experiment :

1. Developing motifs using coral draw and adobe Photoshop.
2. Developing weave patterns for dobby weave
3. Developing weave patterns for jacquard weave
4. Developing motifs for embroidery and cross stitch
5. Developing motifs for screen printing
6. Developing patterns for pattern making and grading

APPLIED TECHNOLOGY COURSES

PATTERN MAKING AND GRADING

L T P
0 0 7

Curri. Ref. No.: GT 501

Total Contact hrs.: 105

Theory: 0 hr.

Tutorial: 0 hr.

Practical : 90 hrs.

Prerequisite: GT201, GT202

Credit: 4

Total marks: 150

Theory: 0

End Term Exam: 0

P.A.: 0

Practical: 100

End Term Exam: 100

P.A.: 50

Rationale:

To provide advanced knowledge of pattern making regarding industrial problems relating to pattern checking, fitting and fall of a garment.

Detailed Course Contents

Theory	Practical
<ul style="list-style-type: none">• Conception of Grading both by manual method & computerized modes :<ul style="list-style-type: none">➤ Introduction to apparel grading corrodng bodices, sleeves, collars, skirts, pants• Pattern making for knits :<ul style="list-style-type: none">➤ Shirt, bodice, sleeve, trouser, polo shirt (drafting & construction)• Introduction to fitted garments / contoured garments• Fitted dress block :<ul style="list-style-type: none">➤ Strapless evening bodice➤ Halter neckline➤ Lingeric-wear• Jackets – waist coat (drafting and construction)	<ul style="list-style-type: none">• Developing various graded patterns from the basic blocks.• Developing patterns of basic knitted garment blocks

Bibliography:

1. Pattern making & cutting - Martin M Shoben & Javet P. Ward – Butterworth Heinmann, Oxford
2. Pattern making by Armstrong – Harper Collin S, Los Angeles, USA

GARMENT CONSTRUCTION III

L T P
0 0 7

Curri. Ref. No.: GT 501

Total Contact hrs.: 90

Total marks: 150

Theory: 0

Theory : 0 hr.

End Term Exam: 0

Tutorial : 0 hr.

P.A. : 0

Practical: 90 hrs.

Practical: 150

Prerequisite: GT203, GT204

End Term Exam: 100

Credit: 3

P.A.: 50

Rationale :

This course aims at developing skills in specialized apparel (specially knits) construction. This course also develops several types of seam finishes, according to the requirement of the material and also makes the participants prepare construction/quality control reports.

Detailed Course Contents

Theory	Practical
<p>Theoretical concept & implementation in producing the coats, jackets & knits.</p> <ul style="list-style-type: none"> • On knits fabrics : <ul style="list-style-type: none"> ➤ Tee shirt – round neck / collar neck , sleeve attachment, ½ sleeve & full sleeve ➤ Flat lock sleeve finish/hem finish ➤ Ladies dress (stripe materials), zip at back ➤ Elastic attachment at waistband for skirt sleeve end finish with ½ elastic and leg bottom finish also • On woven fabrics : <ul style="list-style-type: none"> ➤ Waist coat on muslin ➤ Fabric body suit ➤ Contour dress jacket. 	<ul style="list-style-type: none"> • Practical demonstration in the machineries and preparation of the report & sample by the participants

Bibliography:

1. Apparel Technology by Jacob Solinger, Bobbin Blenntteinmedia Corporation, Columbia, USA

GARMENT CONSTRUCTION IV

L T P
0 0 7

Curri. Ref. No.: GT 503

Total Contact hrs.: 90

Theory : 0 hr.

Tutorial : 0 hr.

Practical: 90 hrs.

Prerequisite: GT 502

Credit: 4

Total marks: 150

Theory: 0

End Term Exam: 0

P.A. : 0

Practical: 150

End Term Exam: 100

P.A.: 50

RATIONALE :

This course aims at developing skills in specialized apparel construction. This course also develops several types of seam finishes, according to the requirement of the material and also makes the participants prepare construction/quality control reports.

DETAILED COURSE CONTENTS

Theory	Practical
<ul style="list-style-type: none">➤ Concept of contour garments for specific end uses and functional garments both in weave and knits➤ Contouring techniques - halter, empire line dresses etc➤ Development for bias cut dresses➤ Shirt and blouse foundation➤ Introduction to children`s wear	<ul style="list-style-type: none">• Practical demonstration in the machineries and preparation of the report & sample by the participants

Bibliography:

2. Apparel Technology by Jacob Solinger, Bobbin Blennteinmedia Corporation, Columbia, USA

DRAPING AND CONTOURING I

L *T* *P*
2 0 3

Curri. Ref. No.: GT 504

Total Contact hrs.: 60

Total marks: 100

Theory: 0

Theory: 0 hr.

End Term Exam: 0

Tutorial: 0 hr.

P.A.: 0

Practical : 60 hrs.

Practical : 100

Prerequisite:

End Term Exam:

Credit: 4

P.A.: 100

RATIONALE :

To make the students aware of the uniqueness of the various draping styles, costumes, colour schemes and accessories of India; and to make these a source of inspiration in their designing skills. Draping is an integral part of fashion technology and it shows the fall of the stitched garments. The students learn in detail the principles of draping fabric on the dress form for pattern making with proper fullness in the garment by shifting of darts, etc and learn. The subject develops an understanding to design in three dimensions with the understanding of design/pattern

DETAILED COURSE CONTENTS

Theory	Practical
Introduction to draping <ul style="list-style-type: none"> ➤ Terminology ➤ Dummy preparation ➤ Muslin preparation 	<ul style="list-style-type: none"> • Demonstration & practical conceptualization. • Developing three dimensional patterns in fabrics by the actual shape & contour from dress forms, giving darts, flares etc. • Performing specific assignments and learning related techniques
BASIC BODICE BLOCK <ul style="list-style-type: none"> ➤ Front ➤ Back 	
DART MANIPULATION <ul style="list-style-type: none"> ➤ Single dart series ➤ Double dart series 	
BASIC SKIRT BLOCK <ul style="list-style-type: none"> ➤ Single dart- ➤ Double dart ➤ Dart Equivalents 	
SKIRT VARIATIONS <ul style="list-style-type: none"> ➤ Flared ➤ Gathered ➤ Skirts with yokes 	
NECKLINE & ARMHOLE VARIATIONS	

SUGGESTED IMPLEMENTATION STRATEGIES

- Hands on practical experience,
- Repetitive exercise for improvement,
- Visits to boutiques for observation of their techniques

SUGGESTED LEARNING RESOURCES

REFERENCE BOOKS:

Title Author; Publication; Edition; Year

title	
1. Draping for Apparel Design	H. Joseph Armstrong, Prentice Hall , 4th edn., 2005
2. Dress Design, Draping and Flat pattern	Hillhouse and Mansfield
3. Dress Pattern Designing	Natalie Bray
4. Drapery for Fashion Design	Filde Jeffe, Norie Relas
5. Draping	Reston Publishing Co. Virginia

PRACTICAL:

Suggested list of assignment / activities:

1. Submission of Basic Bodice Block Front & Back (for men, women and children)
2. Submission of manipulated patterns
3. Submission of skirts

DRAPING AND CONTOURING II

L T P
1 0 6

Curri. Ref. No.: GT 504

Total Contact hrs.: 60

Total marks: 150

Theory: 0

Theory: 0 hr.

End Term Exam: 0

Tutorial: 0 hr.

P.A.: 0

Practical : 60 hrs.

Practical : 150

Prerequisite: GT 504

End Term Exam:

Credit: 5

P.A.: 150

RATIONALE

To make the students aware of the uniqueness of the various draping styles, and to make these a source of inspiration in their designing skills. Draping is an integral part of fashion technology and it shows the fall of the stitched garments. The students learn in detail the principles of draping fabric on the dress form for pattern making with proper fullness in the garment by shifting of darts, etc and learn. The subject develops an understanding to design in three dimensions with the understanding of design/pattern

DETAILED COURSE CONTENTS

Theory	Practical
Draping of ladies top of various necklines and collars Peter pan collar, cape collar, sailor collar etc Cowl neck, assymetrical, off one shoulder etc	<ul style="list-style-type: none">• Demonstration & practical conceptualization.• Developing three dimensional patterns in fabrics by the actual shape & contour from dress forms, giving darts, flares etc.• Performing specific assignments and learning related techniques
Draping of formal dresses off shoulder Strapless dress	
Draping of men's shirt	
Ladies & gents jacket With variation of collar	

SUGGESTED IMPLEMENTATION STRATEGIES

- Hands on practical experience,
- Repetitive exercise for improvement,
- Visits to boutiques for observation of their techniques

SUGGESTED LEARNING RESOURCES

REFERENCE BOOKS:

Title Author; Publication; Edition; Year

Title	
1. Draping for Apparel Design	H. Joseph Armstrong, Prentice Hall , 4th edn., 2005
2. Dress Design, Draping and Flat pattern	Hillhouse and Mansfield
3. Dress Pattern Designing	Natalie Bray
4. Drapery for Fashion Design	Filde Jeffe, Norie Relas
5. Draping	Reston Publishing Co. Virginia

PRACTICAL:

Suggested list of assignment / activities:

1. Submission of tops
2. Submission of dress
3. Submission of jackets

APPAREL MANUFACTURING TECHNOLOGY

L T P
3 0 3

Curri. Ref. No.: GT 506

Total Contact hrs.: 90

Total marks: 150

Theory: 70

Theory: 30 hrs.

End Term Exam: 35

Tutorial: 0 hr.

P.A.: 15

Practical: 60 hrs.

Practical : 50

Prerequisite:

End Term Exam:

Credit: 5

P.A.: 50

Rationale:

The objective of the course is to present the scope, functions and responsibility of production control as it relates to the apparel industry. It also describes the techniques and procedures used to achieve production control objectives.

DETAILED COURSE CONTENTS

Theory	Practical
<p>Introduction to garment technology :</p> <ul style="list-style-type: none"> • Introduction to production control systems <ul style="list-style-type: none"> - Plant loading for multistyle production. - Line set-up & load balancing for multistyle production in assembly system. Control parameters in line balancing. • Supervisory training. • Work in process (WIP) in assembly manufacturing. • Scheduling - Principles & Scheduling charts. Push & Pull Systems • Decentralized manufacturing • Finishing and inspection /quality control, Fitting quality, Quality standards, Certification mark • Work study & productivity relationship (methods study & work measurement) • Importance of production standards • Video course on time & motion study • Predetermined motion & time systems (Introduction to GRD & MTM) • Operation breakdown <p>Theoretical concepts of plant layout & calculation of space etc.</p> <ul style="list-style-type: none"> • Introduction: The purpose and importance of facility design. Types of layout problems, Stable vs. changing products and styles. Plant location • Preliminary Analysis: Steps in planning a plant layout, Product analysis, Parts list, Assembly chart, Grid • Production systems: Machinery, manpower & space requirements, Materials flow • General plant patterns Basic flow patterns, Methods of data collection • Relationship of activities to physical plant services 	<ul style="list-style-type: none"> • Demonstration in the garment manufacturing units. • Assignments with realistic data of garment units. • Visit to garments manufacturing unit/boutique for plant layout & work study

Bibliography:

1. Apparel Manufacturing Text book (Hand book) - Jacob Solinger
2. Introduction to Clothing Manufacturer - A. J. Chutter, Blackwell Scientific Publication, Oxford
3. Plant layout and material handling - J.M. Apple, John Wiley & Sons, New York

APPAREL MARKETING & MERCHANDISING

L *T* *P*
3 0 3

Curri. Ref. No.: GT 507

Total Contact hrs.: 90

Total marks: 150

Theory: 100

Theory: 30 hrs.

End Term Exam: 70

Tutorial: 0 hr.

P.A.: 35

Practical: 60 hrs.

Practical: 50

Prerequisite:

End Term Exam: 25

Credit: 5

P.A.: 25

Rationale:

The objective of the course is to acquaint the participants with the concept of apparel market and growth of the same in this present competitive era.

DETAILED COURSE CONTENTS

Theory	Practical
<ul style="list-style-type: none"> ● Concepts & information on apparel marketing & its spectrum and growth with examples drawn from the apparel sector. (10 hrs.) <ul style="list-style-type: none"> ➤ The place of marketing in apparel ➤ Indian fashion marketing environment ➤ The threat of change basic to styled wear. ➤ Criteria used by consumers in fashion selection ➤ Consumers' identification with fashion life cycle ➤ Merchandising the fashion life cycle. ● Survey of marketing: (5 hrs.) <ul style="list-style-type: none"> ➤ Marketing concept & terminology ➤ Types of marketing ➤ Market segmentation ➤ Fashion image & positioning. ● Advertising (5 hrs.) <ul style="list-style-type: none"> ➤ Utility ➤ Process of advertising ➤ Different medium of advertisement ➤ Fashion show ● Channels view: (5 hrs.) <ul style="list-style-type: none"> ➤ Fashion retailing ➤ Types of retail operations ➤ Single & multiple knits stores etc. ● Theoretical Conceptualisation & gathering information on International Marketing (5 hrs.) <ul style="list-style-type: none"> ➤ Strategic perspective - Competitive Advantage ➤ A glimpse of Indian Apparel Export Strategies 	<ul style="list-style-type: none"> ● Field survey & assignments ● Website Browsing, field survey & assignments.

Theory	Practical
<ul style="list-style-type: none"> ● Theoretical concept with relevant case study and examples on all the topics. <ul style="list-style-type: none"> ➤ Theoretical concept of merchandising (2 hrs.) ➤ Place of merchandising in apparel. (2 hrs.) ➤ The buyer's responsibility working with merchandise sourcing. (2 hrs.) ➤ Organising buying / selling activity. (2 hrs.) ➤ The resident buying office (2 hrs.) ➤ Understanding consumer behavior, planning the merchandise assortment. (2 hrs.) ➤ Selecting the merchandise assortment. (2 hrs.) ➤ Merchandising (2 hrs.) ➤ Manufacturing interface (2 hrs.) ➤ Fashion advertising (2 hrs.) ➤ Visual merchandising (2 hrs.) ➤ Special events (international specially) (4 hrs.) ➤ Product evaluation (2 hrs.) ➤ Publicity etc. (2 hrs.) 	<ul style="list-style-type: none"> ●

Bibliography:

1. Essentials of Marketing - Jerome Mc cartry
2. Effective Retailing - Golden Zimmerman.

DESIGN COLLECTION

L *T* *P*
0 *0* *20*

Curri. Ref. No.: GT 508

Total Contact hrs.:

Total marks: 300

Theory:

Practical: 300

Tutorial:

End Term Exam: 150

Practical :

P.A.: 150

Prerequisite:

Credit: 10

A student of fashion design needs to incorporate what she has learnt in the last five semesters in their work and be able to present the same.

DETAIL COURSE CONTENT

Every student will be required to undertake project work individually on any topic or theme under the guidance of appointed guide. The project work will comprise of the following activities.

- Selection of topic/theme, design idea and concept
- Feasibility of conducting the project
- Preparation of project Report.
- Preparation of Project port-folio, design details
- Preparation of articles, dresses, accessories for the practical full-fillment of project work
- Presentation of Project work

PROJECT METHODOLOGY

L T P
3 0 0

Curri. Ref. No.: GT 509

Total Contact hrs: 45

Total marks: 100

Theory: 100

Theory: 45 hrs.

End Term Exam: 70

Tutorial: 0 hr.

P.A.: 30

Practical : 0 hr.

Practical : 0

Prerequisite:

End Term Exam: 0

Credit: 3

P.A.: 0

Rationale:

The course is designed to enable the participants develop methodology for their research and project work and to familiarize with the art of using different research methods & techniques, also, to conceptualize and use various statistical methods in research works.

DETAILED COURSE CONTENTS

Theory	Practical
<ul style="list-style-type: none"> ● Concept on introduction to research methodology with relevant examples : <ul style="list-style-type: none"> ➤ Definition ➤ Objectives & types ➤ Research method vs. methodology ➤ Research process flow chart ➤ Criteria of research work ● Stages of research methodology : <ul style="list-style-type: none"> ➤ Defining research problem, research design, sampling design, questionnaire development & guidelines to create questionnaire as well as interviewing ➤ Types of data, measurement scale ➤ Data processing, statistics in research, important statistical measures. ➤ Present, interpret and analyze data using various charts etc. Sampling design <ul style="list-style-type: none"> ➤ Census of sample method ➤ Essentials of sampling ➤ Methods of sampling <ul style="list-style-type: none"> Probability sampling method Non- Probability sampling method ➤ Factors to be considered while deciding sample size 	<p>Collection of different datas</p>
<ul style="list-style-type: none"> ● Interpretation and Report writing 	<p>Assignments based on garment industry related case study</p>

Remarks:

Handouts to be prepared on the guidelines for research work based on “Garment production and machineries” or any other relevant areas e.g.

- | | |
|--|---|
| <ul style="list-style-type: none"> ● Concept note preparation ● Benchmarking ● Analysis, etc. | <ul style="list-style-type: none"> ● Methodology of research work ● Data collection |
|--|---|

ORNAMENTATION TECHNIQUES

L T P
0 0 9

Curri. Ref. No.: GT 510

Total Contact hrs: 45

Total marks: 150

Theory:

Theory:

End Term Exam:

Tutorial:

P.A.: 0

Practical : 60

Practical : 150

Prerequisite:

End Term Exam: 100

Credit: 5

P.A.: 50

RATIONALE

This course will enable the learners to understand the different types of textile and surface ornamentation designs and techniques and to use them effectively and designing the garments. The course also includes various methods of surface ornamentation and selection of appropriate method of ornamentation for a specific product or fabric.

DETAIL COURSE CONTENT

THEORY:

UNIT TOPIC / SUB-TOPIC	Lecture Hrs.
1.0 FAMILIES OF TEXTILE DESIGN Floral, Geometric, Conversational/Traditional, Ethnic REPEAT AND ITS TYPES Directional, Non-Directional, One way, Two way, All over, Half Drop Vertical, Half-Drop Horizontal.	6L
4.0 TOOLS AND TECHNIQUES - Design transfer materials, - Sources & interpretation - Choosing color - Enlarging and reducing design	6L
5.0 EMBROIDERY Outline stitches, Border stitches, Variation of cross stitches Composite band stitches, Types of isolated stitches Open filling stitches, Solid filling stitches Insertion stitches, Edging stitches, Cut and drawn stitches Ribbon embroidery	6L
6.0 Introduction to Traditional Indian Textiles: embroidered and embellished. Kantha, Sujani, Phulkari, Chamba Rumals, Kashmir Shawls, Zalakdozi. Chickankari, Zardozi, Lambadi, Kasuti,	10L

7.0	Creative explorations and contemporisation of Chamba, Kashida and Kasuti. Make samples of size 6"x 6". Written and scrap book of all the traditional embroideries, based on designer's collections	12L
8.0	Gujarat Rajasthan, Orissa (Practical – mirror, beads, appliqué, patch & quilting)	12L
9.0	Product development /swatch development for a fashion collection, create samples of size 6"x 6" (5-7 swatches)	10L

SUGGESTED IMPLEMENTATION STRATEGIES

- Lecture, demonstration, practical exercises, and interactive Sessions
- Practical explorations

PRACTICAL:

Suggested list of assignments/activities:

Assignment 1	Create 4 samples of size 6"x 6" using the Design development for the following embroidery toward innovative fashion product with specification - Kantha, Phulkari, Chikankari, zardozi
Assignment 2	Design development for 2 samples of Appliqué and/or Patchwork combined with quilting and bead or mirror work embroidery towards innovative fashion product with specification create samples of size 10"x 10" (MM 10)
Evaluation parameter	<ul style="list-style-type: none"> - Understanding of various techniques, material & processes - Creative Explorations - Assessment of skill - Appropriate usage of technique according to material used - Co-relation of material and technology to innovation in product development - Attendance - Neatness
Learning outcome	<ul style="list-style-type: none"> - Perceiving areas for design interaction, appreciation and innovation. - Awareness and understanding of handcrafted processes & materials. - Perceiving areas for design interaction, appreciation and innovation. - The students should be able to create any embroidered surfaces for any kind of collection, based on trend forecasts.

: Students should maintain a record having at least one sample of each stitch / design based on stitches or any of the surface decoration techniques.

SUGGESTED LEARNING RESOURCES

Reference Books:

Title	Author; Publication; Edition; Year
1. Textile Design	Susan Meller & Joost Q. Elffers
2. Encyclopedia of embroidery stitches including crewel	Marion Nicholas

3. Quilters work book	Pam Lonttot & Rosemary
4. Batik designs	Sigrid W. Weltge
5. Silk Shading	Clare Hanlam-Search Press Needle craft
6. A Perfect Word in Ribbon Embroidery Stump work	Di Van Niekerk Search Press
7. Collins Complete Guide to Photography	Michael Freeman, Harper Collins Publishers
8. The Encyclopedia of Stitches	Karen Hemingway-New Holland
9. Indi- Folk and Tribal Design of India	M.S.Lehri, Superbook house
10. Drawn fabric embroidery	Elna Wark B.T.Batsford Ltd.
11 The Art of Fabric Collage Rosemary	Eichorn, The Taunto
12. The Techniques of Indian Embroidery	Anne Morrill B.T.

INDUSTRIAL TRAINING

L *T* *P*
0 *0* *6*

Curri. Ref. No.: GT 511

Total Contact hrs :

Total marks: 150

Practical:

Theory:

End Term Exam:

Practical: 30

P.A :1 50

Credit : 3

The students will be working in a garment manufacturing industries or a boutique for a month /120hrs and report their work as a presentation

Professional practices -I

L T P
0 0 2

Curri. Ref. No.: 512

Total Contact hrs :

Theory: 15

Practical: 30

Credit : 1

Total marks: 50

Practical:

End Term Exam: 25

P.A : 25

Aim :- This subject is kept to

Deliver knowledge education beyond the baccalaureate degree for the practice

Objective: - On completion of this course, the Student will be able to:

- Search information from different sources for preparing notes on given topic.
- Present given topic in a seminar. Interact with peers to share thoughts.
- Prepare a report on industrial visit, expert lecture.

Suggested List of activities to be done:

1. Industrial Visits:

10

Structured industrial visits (two nos.) be arranged and report of the same should be submitted by the individual student, to form part of the term work.

2. Lectures by Professional / Industrial Expert / Student Seminars based on information search to be organized Three nos.)

06

3. Group Discussion:

06

The students should discuss in a group of six to eight students and write a brief report on the same as a part of term work. Two topics for group discussions may be selected by the faculty members. Some of the suggested topics are -

- i) Sports
- ii) Current news items
- iii) Discipline and House Keeping
- iv) Current topics related to own engineering field.

4. Student Activities:

08

The students in a group of 3 to 4 will perform **one** activity (Faculty members of the concerned discipline may provide a list of activities)

Professional practices -II

L T P
0 0 2

Curri. Ref. No.: 513

Total Contact hrs :

Theory: 15

Practical: 30

Credit : 1

Total marks: 50

Practical:

End Term Exam: 25

P.A : 25

Objective: - On completion of this course, the Student will be able to:

- The work environment in the industries and how to cope and adjust with it.

1. Professional Practice: Recognizing and respecting diversity in understanding of practice

2. Understanding game of business as an entrepreneur ; core philosophy, concept, strategy and methodology to be employed.

3. Mindset trait in professional practice/business : poor self-belief, lack of dimensional thinking, adherence to rigid(inflexible) business rules , wealth consciousness, satisfaction of merely owning a business etc.

4. Role of Intellectual Property Right in the i) professional practice as textile designer and in ii) making business strategy.

5. Difference between moral and ethics; Workplace ethics of designer, Environment and ethics for textile designer, overview of environmentally suspect and environment friendly processes available; Eco fashion, purpose of eco labeling and criteria for eco labeling done in different countries.

Suggested List of activities to be done:

1. Industrial Visits -Visit to any firm
2. Training to any firm for few days on any firm

Professional practices -III

L *T* *P*
0 *0* *3*

Curri. Ref. No.: 514

Total Contact hrs :

Theory: 15

Practical: 30

Credit : 2

Practical:

End Term Exam: 25

P.A : 25

Objective: - On completion of this course, the Student will be able to:

- Prepare themselves to work in the industries

1. Responsibility of designer towards

- i) society and towards
- ii) expansion of newly introduced consumer/user culture.

2. Designer and increasing power of corporation (corporate sector)

3. Designer and globalization of trade done by multinational corporations

4. **Business communication;** Forms of communication, advantage and disadvantage of formal and grapevine communication, distinction between oral and written communication; importance of non-verbal communication.

Suggested List of activities to be done:

1. Industrial Visits: visit to any firm
2. Training to any firm for few days

Professional practices -IV

L T P
0 0 3

Curri. Ref. No.: 515

Total Contact hrs :

Theory: 15

Practical: 30

Credit : 2

Total marks: 50

Practical:

End Term Exam: 25

P.A : 25

Aim :-This subject is kept to

Deliver knowledge education beyond the baccalaureate degree for the practice

Objective: - On completion of this course, the Student will be able to:

- understand his/her role as a designer
- preparing documentation

1. Man Management as designer:

Importance of building and managing successful design team; getting right mix of skills; certifying each persons role; Role of team leader and project manager with visionary, careful recruitment, mutual respect, larger commitment to the project, shared understanding of the developmental process; open communication ;regular monitoring of progress ; a job well done.

2. Document instrument and deed:

Affidavit, indemnity bond, power of attorney, leese deed, gift deed, partnership deed.

3. Different Contracts and agreements made by the designer

Suggested List of activities to be done:

1.Industrial Visits: visit to any firm

2.preparing sample of different documents

Professional practices -V

L *T* *P*
0 *0* *6*

Curri. Ref. No.: 516

Total Contact hrs :

Theory: 15

Practical: 30

Credit : 2

Total marks: 50

Practical:

End Term Exam: 25

P.A : 25

Aim :-This subject is kept to

Deliver knowledge education beyond the baccalaureate degree for the practice

Objective: - On completion of this course, the Student will be able to:

- Presentation on the project

ELECTIVE COURSES

PORTFOLIO DEVELOPMENT

L *T* *P*
0 *0* *9*

Curri. Ref. No.: 601

Total Contact hrs.: 135

Total marks: 150

Theory:

Theory:

End Term Exam:

Tutorial:

P.A.:

Practical :

Practical: 150

Prerequisite:

End Term Exam:

Credit: 5

P.A.: 150

Rationale:

A student of fashion design needs to incorporate what she has learnt in the last five semesters in their work and be able to present the same. This can be done through the course of Art Portfolio.

DETAIL COURSE CONTENT

Every student will be required to undertake project work individually on any topic or theme under the guidance of appointed guide. The project work will comprise of the following activities.

- Selection of topic/theme, design idea and concept
- Feasibility of conducting the project
- Preparation of project Report.
- Preparation of Project port-folio, design details
- Preparation of articles, dresses, accessories for the practical full-fillment of project work
- Presentation of Project work

NOTE: the portfolio has to be develop by using coral draw and abode photoshop

ADVANCED GARMENTING

L T P
0 0 9

Curri. Ref. No.: 602

Total Contact hrs.:

Total marks: 150

Theory:

Theory:.

End Term Exam:

Tutorial:

P.A.:

Practical :

Practical: 150

Prerequisite:

End Term Exam: 100

Credit: 5

P.A.: 50

Rationale:

To develop skill & methods in the area of specialized apparel production. Development of efficient & quality patterns for specific garments and their construction techniques. To develop various specialized seam construction & its finishes according to garment design & use of specialized machines for them.

Detailed Course Contents

Theory	Practical
<ul style="list-style-type: none">• Concept of contour garment for specific end uses & functional garments both in woven as well as in knits• Grading of basic blocks & contour blocks into various sizes of different countries• Converting normal basic (industrial) blocks into contour blocks – conceptualization.• Development of ladies & gents suits• Contouring techniques - halter, empire line etc.• Knits – functional garments :<ul style="list-style-type: none">➤ T-shirts, pillion pants, body suit, swain suit, bra & panty and other foundation garment etc.	<ul style="list-style-type: none">• Demonstration, practice & development of industrial patterns for contour garments• Developing pattern & construction of sample.• Constructing the garments using specialized machines & seams.• Practical assignment & making samples.

Bibliography:

1. Pattern making & Cutting - Martin M. Shoven & Janet P. Ward, Butterworth Heimmann, Oxford
2. Apparel Manufacturing - Jacob Solinger, Bobbin Blennhein , Media Corporation, Columbia, USA
3. Pattern making & Cutting - Harper Collins, Armstrong, LosAngles, USA
4. Grading for the Fashion Industry - Shoven and Dhapotkar, NIFT, Delhi.

FASHION PHOTOGRAPHY

L T P

Curri. Ref. No.: GT 603

Total Contact hrs.:

Theory: 45 hr.

Tutorial: 0 hr.

Practical: 0 hrs.

Prerequisite:

Credit:

Total marks:

Theory:

End Term Exam:

P.A.:

Practical :

End Term Exam:

P.A.:

Course Objectives :

Fashion photography is all about clothes and beauty. This course combines a technical framework taught through lectures and hands-on workshops that allow you to create images and receive useful criticism. Training will focus on studio photography and will allow to learn a wide range of photographic studio situations including glassware, reflective/ metal ware, working with layouts, portrait, fashion, still-lives and using lighting simply. All assignments will help to learn technical skills used in the studio but also, the ability to take this gained knowledge and apply them to other areas of photography.

1. Introduction to Photography

Principles of Photography, Photography as an Art and a Science. Types of Photography. Components Involved in Photography. light and light sensitive materials. Types of Film - sensitivity and Formats.

2. What is Fashion

History of Costume. Clothing, culture and Communication, What is Fashion Photography? Its objectives and importance, Techniques of recording Fashion

3. Camera & Types of cameras

Essential Parts of a Camera. Lenses of different focal lengths - Merits and demerits Various accessories and uses. Composition and general principles. Filters different types and uses.

4. Different Light sources and Comparative Study

Quality, temperature, effects of different light sources and their effects in Photography.

5. Aperture - Shutter Speed Relations

Depth of field.

6. Over and under Exposures

Handling different types of cameras and taking pictures. Practicals in taking pictures in day light.

7. Processing of Black & White Films

Equipments used in developing films and getting enlargements printed.

8. The Colour Spectrum

Visible Colour Spectrum, Colours - Primary, Secondary and Complementary, Colours in photography.

9. Understanding the Human Body

Importance of certain parts of the body in recording fashion, concept of Body Language, Fashion - Glamour, Feelings and Emotions.

10. Introduction to studio lights and Effects

Theory and practical. Measuring Light using a Flash Meter Effects Theory & Practical. Measuring Light using a Flash Meter.

11. Make - up

Corrective and Glamorous. Its importance and application with specific objectives. Theory + Practical

12. Different Lightings in the Studio and Effects of Lighting with specific purpose.

Lighting for different types of photography. Theory + Practical on a Dummy / Model. importance of Background in a studio.

13. Details

Recording Fashion, Effective ways of taking pictures of textures and Textile materials. Presenting the best in pictures of ornaments / table tops of different types. Still life photography.

14. Studio Photography

Critical Study of the Photographs taken during Studio Photography Analysis, advantages, disadvantages, Objective achievements, Success points, Failure Points.

15. Strategies

Hints to the fashion photographer by Successful photographers. Discussion on techniques.

16. Display of the work

Display of the work of the renowned Fashion photographers. Discussion on techniques, success and failures.

17. Opportunities

Scope and Prospects: Markets, trends and opportunities available to a fashion photographer.

References:

1. Mastering Digital Photography by Jason young.
2. David D. Busch, "Canon EOS 40D Guide to Digital Photography", Course Technology PTR; 1st edition, (2007).
3. John Hedge, "Photography Course", John Hedge Co, 1992.
4. Michael Freeman, "Manual of Outdoor Photography", Ziff Davis World, August 1983.
5. "Lighting techniques for fashion and glamour photography", Stephen A. Dantzig (2004)
6. "Fashion Photography- A guide for the beginner", Robert Randall
7. "Fashion Photography"- Scala Group
8. "Fashion Photography: A Complete Guide to the Tools and Techniques of the Trade" by Bruce Smith, Crown Publishing Group (Oct 2008)
9. Vogue Photography Collection

Note: Students should have access to a SLR camera. All materials for shooting will be organized by the students.

CARE AND MAINTENANCE OF TEXTILES

L T P

Curri. Ref. No.: GT 603

Total Contact hrs.:

Theory: 45 hr.

Tutorial: 0 hr.

Practical: 0 hrs.

Prerequisite:

Credit:

Total marks:

Theory:

End Term Exam:

P.A.:

Practical :

End Term Exam:

P.A.:

Course Objectives :

In this unit, the students will learn about handling of different fabrics. A knowledge about their characteristics will enable to treat and handle them properly.

UNIT-I

Water- hard and soft water, methods of softening water. Laundry soaps – Manufacture of soap (Hot process, cold process), composition of soap types of soap, soap less detergents, chemical action, detergent manufacture, advantages of detergents .

UNIT-II

Finishes – Stiffening Agents – Starch (cold water and hot water), Other stiffening agents, Preparation of starch, Laundry blues, their application .

UNIT-III

Laundry equipment – for storage, for steeping and Washing – Wash board, suction washer, wash boiler, washing machine.

Drying equipments – out door and indoor types .

Irons and ironing board – types of iron (box, flat, automatic, steam iron) . Ironing board – different types.

UNIT-IV

Principles of washing – suction washing, washing by kneading and squeezing, washing by machine - Process details and machine details.

Laundering of different fabrics – cotton and linen, woolens, coloured fabrics, silks, rayon and nylon.

UNIT-V

Special types of Laundry – water proof coats, silk ties, leather goods, furs, plastics, lace.

Dry cleaning – using absorbents, using grease solvents.

Storing – points to be noted.

Stain removal – food stains, lead pencil, lipstick, mildew, nose drops, paint, perfume, perspiration / mildew, tar, turmeric and kum-kum.

Care labels – washing, bleaching, Drying, ironing and different placements of label in garments.

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