

GOVERNMENT POLYTECHNIC NASHIK

(AN ACADEMICALLY AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)



CURRICULUM - 2016

DIPLOMA PROGRAMME
IN
DRESS DESIGNING AND GARMENT
MANUFACTURING

INDEX

Sr. No.	Content			Page No.
1	Preface			i
2	Government Polytechnic Nashik			iii
2.1	Vision			iii
2.2	Mission			iii
3	Dress Design and Garment Manufacturing Department			iii
3.1	Vision			iii
3.2	Mission			iii
4	Job Profile of Diploma Engineer in Dress Designing and Garment Manufacturing			iv
5	Rationale			v
6	Programme Educational Objectives			v
7	Programme Outcomes			v
8	Programme Specific Outcomes			vi
9	Mapping of Mission and Programme Educational Objectives			vii
10	Mapping of Programme Educational Objectives and Programme Outcomes			viii
11	Mapping of Programme Specific Outcomes and Programme Outcomes			ix
12	Mapping of Programme Outcome and Courses			ix
13	Programme Structure			1-6
14	Courses For Award of Class			7
15	Sample Path Entry Level 10+			8
	Course Contents of			
16	Level -1: Foundation Courses			9-28
	Course Code		Course Name	
16.1	6101	CMS	Communication Skills	9
16.2	6102	DLS	Development of Life Skills	14
16.3	6120	EYD	Elements of Drawing	18
16.4	6121	IST	Introduction of Sewing Techniques	21
16.5	6122	IDC	Introduction to Drafting and Cutting	25
17	Level -2: Basic Technology Courses			29-68
	Course Code		Course Name	
17.1	6255	DNC	Design Concept	29
17.2	6256	EYT	Elementary Textile	33
17.3	6257	BLC	Basic Apparel Construction	37
17.4	6258	INC	Indian Costume	40
17.5	6259	FNI	Fashion Illustration	43

Sr. No.	Content			Page No.
17.6	6260	FSC	Fabric Science	46
17.7	6261	FKA	Folk Art	50
17.8	6262	ALC	Apparel Construction	53
17.9	6263	PFS	Professional Skills	57
17.10	6264	BRE	Basic and Regional Embroidery	61
17.11	6265	TMC	Tools and Machines for Apparel Construction	65
18	Level -3: Allied Courses			69-90
	Course Code	Course Name		
18.1	6302	EVS	Environmental Studies	69
18.2	6303	IOM	Industrial Organization and Management	73
18.3	6309	EDP	Entrepreneurship Development	77
18.4	6316	DID	Digital Image Design	82
18.5	6317	DLD	Digital Design	85
18.6	6318	MNS	Machine Study	88
19	Level -4: Applied Technology Courses			91-140
	Course Code	Course Name		
19.1	6410	PPR	Professional Practices	91
19.2	6411	SEM	Seminar	95
19.3	6412	PRO	Project	98
19.4	6452	SEO	Surface Ornamentation	102
19.5	6453	APC	Advance Pattern Cutting	105
19.6	6454	ALN	Advance Apparel Construction	110
19.7	6455	AQM	Apparel Quality Management	114
19.8	6456	CFD	Computerized Fashion Design	118
19.9	6457	AFI	Advance Fashion Illustration	121
19.10	6458	DPS	Design Process	124
19.11	6459	TTI	Traditional Textile of India	127
19.12	6460	ACD	Advance Computerized Design	130
19.13	6461	FAD	Fashion Advertising	133
19.14	6462	FNG	Fashion Merchandising	137
20	Level -5: Diversified Courses			141-162
	Course Code	Course Name		
20.1	6572	ALP	Apparel Production	141
20.2	6573	DNP	Dyeing and Printing	145
20.3	6574	WDC	World Costume	148
20.4	6575	FRM	Fashion Retail Management	151
20.5	6576	KWR	Kid's Wear	154
20.6	6577	WWR	Women's Wear	157
20.7	6578	MWR	Men's Wear	160

Sr. No.	Content	Page No.
21	Annexures	163-171
I	Rules for Registration and Examination	163
II	Evaluation Scheme for project	165
III	Committees	166
III.1	Governing Body (GB)	166
III.2	Board of Studies (BOS)	167
III.3	Programme Wise Committee (PWC)	169
III.4	Programme Curriculum Development Committee	170
	- Institute Level Curriculum Development Cell	170
	- Department Level Committee	170
	- NITTTR Committee	170
	- Contributors to Course Curriculum Development	171

PREFACE

Government Polytechnic, Nashik is established in 1980. The institute has been conferred an academically autonomous status in 1995 by Government of Maharashtra because of excellent performance.

The vision of the institute is to be a premier technical training and development institute catering to the skill and professional development in multi-domain for successful employment / self-employment by offering certified and accredited NSQF compliant programmes. The institute shall be the center for excellence in skill development and community development through different training programmes, business incubation and entrepreneurship development. For this the institute is committed to provide education for skill development, engineering diploma and continuing education programmes for enhancement of employability skills of the aspirants in the job/self-employment through continually developing quality learning systems. The institute aims at holistic and student centric education in collaboration with business, industry and having practice based education. To achieve this continuous efforts are made to design the curriculum considering the latest development in the industrial sector and technology.

The three year Diploma Programme in Dress Designing and Garment Manufacturing is being offered since 2008 under academic autonomy, first curriculum was implemented in 2008 and subsequently it was revised and implemented in 2011. The curriculum revision is a regular activity and outcome based education approach is adopted for designing the curriculum. The revised outcome based curriculum is designated as "Curriculum 2016". The implementation of Curriculum 2016 will be effective from the academic year 2016- 17.

For designing the curriculum, the various domains have been identified. For Dress Designing and Garment Manufacturing Programme these domains are Designing, Drafting, Apparel Construction Value addition, Computer and Management. The questionnaire has been designed to get the responses from these domain areas from different stake holders i.e. industries, teachers and students. The feedback from different stake holders has been analysed and roles, functions, activities, tasks and attitudes necessary for Diploma Dress Designing and Garment Manufacturing Engineer have been identified. The programme structure is finalised and the content detailing of individual course has been carried out by group of experts, and approved by Programme Wise Committee (PWC), Board of Studies (BOS) and Governing Body (GB).

In this Curriculum-2016, the student has to acquire 200 credits for successful completion of Diploma Programme. The courses of curriculum are structured at different 5 levels i.e. Foundation Courses, Basic Technology Courses, Allied Courses, Applied Technology Courses and Diversified Courses.

The minimum entry level is 10th. However, the curriculum provides "Multi Point Entry and Credit system (MPEC)" for the students opting admission after passing 12th, ITI, MCVC. At higher entry level, the students will get exemptions in certain courses as per the rules.

There is a flexibility for opting the courses as per the choice of students. The curriculum provides "Sample Path" as a guide line for selection of courses in each term for entry level as 10th. The List of Courses for Award of Class after completion of Diploma Programme is prescribed separately in this curriculum.

The fulfilment of programme outcome as stated in the Curriculum-2016 will depend on its effective implementation. The teachers who are implementing the curriculum were also involved in the design process of curriculum, hence, I hope that the Curriculum-2016 will be implemented in effective way and the pass outs will acquire the requisite knowledge and skills to satisfy the industrial needs.

(Prof. DNYANDEO PUNDALIKRAO NATHE)
Principal
Government Polytechnic, Nashik

GOVERNMENT POLYTECHNIC NASHIK

VISION

To be a premier technical training and development institute catering to the skill and professional development in multi-domain for successful employment/self-employment by offering certified and accredited NSQF compliant programmes. The institute shall be the center for excellence in skill development and community development through different training programmes, business incubation and entrepreneurship development.

MISSION

The Government Polytechnic Nashik, an autonomous institute of Government of Maharashtra has the mission to provide education for skill development, engineering diploma and continuing education programmes for enhancement of employability skills of the aspirants in the job/self-employment through continually developing quality learning systems. The institute aims at holistic and student centric education in collaboration with business, industry and having practice based education.

DRESS DESIGNING AND GARMENT MANUFACTURING DEPARTMENT

VISION

Dress designing and garment manufacturing will be a national trendsetter for nurturing entrepreneurs, responsible professionals in garment designing and apparel engineering providing technologically sound learning environment to satisfy the apparel stakeholders.

MISSION

Department of Dress Design and Garment Manufacturing is committed

- M1. To provides diploma programme to develop aesthetic and technical manpower in designing, manufacturing and value addition area of apparel sector
- M2. To inculcate elaborate values of ethical designing, creativity, professionalism with more customer oriented approach
- M3. To provide practical learning environment to enhance creativity for employability and entrepreneurship.

JOB PROFILE OF DRESS DESIGNING AND GARMENT MANUFACTURING DIPLOMA HOLDER

A Diploma engineer in Dress Designing and Garment Manufacturing has to carry out various activities in various areas during his implementation of engineering knowledge.

Dress Designing and Garment Manufacturing job opportunities are available in following domains:

- a. Apparel designing
- b. Computer aided apparel designing
- c. Apparel manufacturing
- d. Apparel embellishments
- e. Apparel promotion

In above domain areas Diploma Dress Designing and Garment Manufacturing engineer has to perform following duties.

- 1. Entrepreneur
- 2. Dress Designer (as per lines)
- 3. Computer aided apparel designer
- 4. Fashion Merchandiser/
- 5. Assistant merchandiser
- 6. Retail merchandiser
- 7. Quality Supervisor
- 8. Sampling dept. I/C
- 9. Apparel industry store I/C
- 10. Line supervisor
- 11. Boutique Manager
- 12. Retail store manager/ floor manager
- 13. Clothing Embellisher in specific areas like embroider/ screen printing/ tie & dye.
- 14. Fashion Consultant
- 15. Fashion Stylist
- 16. Costume designer
- 17. Visual merchandiser
- 18. Freelance designer
- 19. Faculty in fashion institute
- 20. pattern maker
- 21. Sales executive

DIPLOMA PROGRAMME IN DRESS DESIGNING AND GARMENT MANUFACTURING DEPARTMENT

RATIONALE

Apparel is the basic need of the society and hence an apparel designer plays a vital role by creating a large employment potential Dress Design and Garment Manufacturing strives to create designers, entrepreneurs who would make a meaningful contribution to the fashion industry and society.

Dress Designing and Garment Manufacturing student needs to possess a dynamic perspective and integrated expertise to effectively cope up with rapidly changing dimensions of the fashion industry which will make them able to stand in national apparel market.

This Programme offers courses to acquire supervisory skills and technical knowledge in Basic, allied, applied and diversified field of Apparel Industry.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

After successful completion of this diploma programme student can build their career as a

- I. Can work at supervisory levels and Merchandiser & pattern maker position in an apparel industry
- II. Entrepreneur of small scale industry with respect to boutiques, secondary process sampler, job workers etc.
- III. Can work as computer aided designer and also work for advertising agencies as copy, art and layout artist & as Instructor in fashion institutes.
- IV. A diploma holder will be inculcated with professionalisms & life skills to cope with changing fashion trends.

PROGRAMME OUTCOMES (POs)

On successful completion of Diploma Programme in Dress Designing and Garment Manufacturing, the passouts will be able to,

- a. **Basic knowledge:** A Diploma holder can apply apparel technical knowledge for garment industry and community.
- b. **Discipline knowledge:** Can practice apparel design innovation right from development to finished product with Excellency.
- c. **Experiments and practice:** Deliver skill oriented theory based education in areas of building synergy with apparel industry.
- d. **Engineering Tools:** Ability to acquire and apply tools & technologies in designing & apparel manufacturing
- e. **The engineer and society:** Planning of garment lines & Applying garment mending and recycling skills to cater society needs.

- f. Environment and sustainability:** Understand and apply the eco friendly manufacturing and value addition techniques for sustainable development.
- g. Ethics:** To follow professional ethics and responsibilities for apparel manufacturing and designing.
- h. Individual and team work:** Work effectively as individual and as a member or as a leader in diverse or multidisciplinary team.
- i. Communication:** An ability to communicate effectively at various stages of apparel manufacturing and retailing.
- j. Project management and finance:** Understand the applied management techniques and principles to handle different designing, manufacturing, mending and recycling projects.
- k. Life-long learning:** A diploma holder will apply life skills to cope with changing fashion trends.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

On successful completion of Diploma Programme in Dress Designing and Garment Manufacturing, the student will be able to,

- PSO 1.** Understand the professional and ethical responsibilities in the local and global context and hence utilize their knowledge and skills for the benefit of the society.
- PSO 2.** Develop and initialize a design vocabulary, an essential tool for practicing as designers.
- PSO 3.** The world of fashion designing, textile and apparel industry through production processes with the various roles and responsibilities.
- PSO 4.** Practice the techniques of value addition for increased profit with completing the fashion look by contracting accessories.

MAPPING OF MISSION AND PROGRAMME EDUCATIONAL OBJECTIVES

Sr. No.	Mission	Component of Mission Statement	PEO/s
1	M1	The dress designing and garment manufacturing department provides diploma programme to develop aesthetic and technical manpower in designing, manufacturing and value addition area of apparel sector	<ol style="list-style-type: none"> 1. Can work at supervisory levels and merchandiser & pattern maker position in an apparel industry 2. Entrepreneur of small scale industry with respect to boutiques, secondary process sampler, job workers etc.
2	M2	To inculcate elaborate values of ethical designing, creativity, professionalism with more customer oriented approach	<ol style="list-style-type: none"> 1. Entrepreneur of small scale industry with respect to boutiques, secondary process sampler, job workers etc. 2. Can work as computer aided designer and also work for advertising agencies as copy, art and layout artist & as instructor in fashion institutes. 3. A diploma holder will be inculcated with professionalisms & life skills to cope with changing fashion trends.
3	M3	Provide practical learning environment to enhance creativity for employability and Entrepreneurship.	<ol style="list-style-type: none"> 1. Entrepreneur of small scale industry with respect to boutiques, secondary process sampler, job workers etc. 2. Can work as computer aided designer and also work for advertising agencies as copy, art and layout artist & as instructor in fashion institutes.

MAPPING OF PROGRAMME EDUCATIONAL OBJECTIVES AND PROGRAMME OUTCOMES

Sr. No.	Programme Educational Objectives (PEOs)	Programme Outcomes (POs)
1.	Can work at supervisory levels and Merchandiser & pattern maker position in an apparel industry	<ol style="list-style-type: none"> 1.A. a. A Diploma holder can apply apparel technical knowledge for garment industry and community. 1.B. c. Deliver skill oriented theory based education in areas of building synergy with apparel industry. 1.C. d. Ability to acquire and apply tools & technologies in designing & apparel manufacturing 1.D. e. Planning of garment lines & Applying garment mending and recycling skills to cater society needs. 1.E. f. Understand and apply the eco friendly manufacturing and value addition techniques for sustainable development. 1.F. g. To follow professional ethics and responsibilities for apparel manufacturing and designing 1.G. h. Individual and team work: Work effectively as individual and as a member or as a leader in diverse or multidisciplinary team.

Sr. No.	Programme Educational Objectives (PEOs)	Programme Outcomes (POs)
		1.H. j. Project management and finance: Understand the applied management techniques and principles to handle different designing, manufacturing, mending and recycling projects.
2.	Entrepreneur of small scale industry with respect to boutiques, secondary process sampler, job workers etc.	2.A. b. Can practice apparel design innovation right from development to finished product with Excellency. 2.B. d. Ability to acquire and apply tools & technologies in designing & apparel manufacturing 2.C. e. Planning of garment lines & Applying garment mending and recycling skills to cater society needs. 2.D. f. Understand and apply the eco friendly manufacturing and value addition techniques for sustainable development. 2.E. g. To follow professional ethics and responsibilities for apparel manufacturing and designing. 2.F. h. Individual and team work: Work effectively as individual and as a member or as a leader in diverse or multidisciplinary team. 2.G. i. An ability to communicate effectively at various stages of apparel manufacturing and retailing.(H & I of policy guide lines combined) 2.H. j. Project management and finance: Understand the applied management techniques and principles to handle different designing, manufacturing, mending and recycling projects. 2.I. k. A diploma holder will apply life skills to cope with changing fashion trends.
3.	Can work as computer aided designer and also work for advertising agencies as copy, art and layout artist & as Instructor in fashion institutes.	3.A. b. Can practice apparel design innovation right from development to finished product with Excellency. 3.B. c. Deliver skill oriented theory based education in areas of building synergy with apparel industry. 3.C. g. To follow professional ethics and responsibilities for apparel manufacturing and designing. 3.D. j. Project management and finance: Understand the applied management techniques and principles to handle different designing, manufacturing, mending and recycling projects. 3.E. k. A diploma holder will apply life skills to cope with changing fashion trends.
4.	Diploma holder will be inculcated with professionalisms & life skills to cope with changing fashion trends.	4.A. f. Understand and apply the eco friendly manufacturing and value addition techniques for sustainable development. 4.B. g. To follow professional ethics and responsibilities for apparel manufacturing and designing. 4.C. j. Project management and finance: Understand the applied management techniques and principles to handle different designing, manufacturing, mending and recycling projects. 4.D. k. A diploma holder will apply life skills to cope with changing fashion trends.

MAPPING OF PROGRAMME SPECIFIC OUTCOMES AND PROGRAMME OUTCOMES

Sr. No.	Programme Specific Outcomes (PSOs)	Programme Outcomes (POs)
1.	Understand the professional and ethical responsibilities in the local and global context and hence utilize their knowledge and skills for the benefit of the society.	b, c, e, f, g, h, i, j
2.	Develop and initialize a design vocabulary, an essential tool for practicing as designers.	a, b, c, d, g, h, i, k
3.	The world of fashion designing, textile and apparel industry through production processes with the various roles and responsibilities.	a, b, c, d, e, f, g, h, i, k
4.	Practice the techniques of value addition for increased profit with completing the fashion look by contracting accessories.	a, d, f, g, h, i, j, k

MAPPING OF PROGRAMME OUTCOME AND COURSES

Sr. No.	Programme Outcome (POs)	Courses
a	Basic knowledge: A Diploma holder can apply apparel technical knowledge for garment industry and community.	Elementary Fashion Drawing Introduction to Sewing Techniques Introduction to Drafting Cutting Basic Apparel Construction Elementary Textile Advance Pattern Cutting
b	Discipline knowledge: Can practice apparel design innovation right from development to finished product with Excellency.	Basic Apparel Construction Indian Costume Fashion Illustration Advance Fashion Illustration Design Process Fabric Science Apparel Construction Basic and Regional Embroidery
c	Experiments and practice: Deliver skill oriented theory based education in areas of building synergy with apparel industry.	Entrepreneurship Development Industrial Organization and Management Fashion Merchandising Fashion Advertising Fashion Retail Management Apparel Production Tools and Machines for Construction Machine Study
d	Engineering Tools: Ability to acquire and apply tools & technologies in designing & apparel manufacturing	Tools and Machine for Construction Elementary Textile Digitally Image Design Digital Design Machine Study Computerized Fashion Design Advance Computerized Design Dyeing and Printing
e	The engineer and society: Planning of garment lines & Applying garment mending and recycling skills to cater	Surface Ornamentation Basic and Regional Embroidery Kits Wear

Sr. No.	Programme Outcome (POs)	Courses
	society needs.	Women's Wear Men's Wear Basic Apparel Construction Apparel Construction Advance Apparel Construction
f	Environment and sustainability: Understand and apply the eco friendly manufacturing and value addition techniques for sustainable development.	Environmental Study Professional Practices Seminar Project Surface Ornamentation Basic Regional Embroidery Elementary Textile Fabric Science
g	Ethics: To follow professional ethics and responsibilities for apparel manufacturing and designing.	Development of Life Skills Professional Skills Professional Practices Fashion Retail Management Advance Fashion Illustration Elementary Fashion Design Fashion Illustration Fashion Merchandising Fashion Advertising Design Process Industrial Organization and Management
h	Individual and team work: Work effectively as individual and as a member or as a leader in diverse or multidisciplinary team.	Introduction of Sewing Techniques Introduction to Drafting and Cutting Design Concept Basic Apparel Construction Folk Art Apparel Construction Basic and Regional Embroidery Seminar Project Surface Ornamentation Design Process Dyeing and Printing
i	Communication: An ability to communicate effectively at various stages of apparel manufacturing and retailing.	Communication Skills Development of Life Skills Design Concept Indian Costume Fashion Illustration Professional Skills Industrial Organization and Management Professional Practices Seminar Project Design Process Fashion Advertising
j	Project management and finance: Understand the applied management	Introduction of Sewing Techniques Design Concept

Sr. No.	Programme Outcome (POs)	Courses
	techniques and principles to handle different designing, manufacturing, mending and recycling projects.	Basic Apparel Construction Folk Art Apparel Construction Basic and Regional Embroidery Industrial Organization and Management Entrepreneurship Development Seminar Project Surface Ornamentation Apparel Quality Management Fashion Advertising Fashion Merchandising Apparel Production Fashion Retail Management Kid's Wear Women's Wear Men's Wear
i	Life-long learning: A diploma holder will apply life skills to cope with changing fashion trends.	Communication Skills Professional Practices Seminar Professional Skills Project Advance Apparel Construction Advance Computerized Design Entrepreneurship Development Industrial Organization and Management

**PROGRAMME- DIPLOMA IN DRESS DESIGNING AND GARMENT MANUFACTURING
PROGRAMME STRUCTURE**

SCHEME AT A GLANCE

Level	Name of Level	Total Number of Courses offered	Number of Courses to be completed	TH	TU	PR	Total Credits	Marks
Level-1	Foundation courses	05	05 Compulsory	12	--	19	31	700
Level-2	Basic Technology Courses	11	11 Compulsory	24	--	32	56	1400
Level-3	Allied courses	06	04 (03 Compulsory & 01 Elective)	04	--	08	12	250
Level-4	Applied Technology Courses	14	14 Compulsory	24	--	47	71	1500
Level-5	Diversified Courses	07	05 (04 Compulsory +01 Elective)	16	--	14	30	650
TOTAL		43	37 Compulsory + 02 Electives -- 39	80	--	120	200	4500

Abbreviations:

TH: Theory, TU: Tutorial, PR: Practical.

PROGRAMME- DIPLOMA IN DRESS DESIGNING AND GARMENT MANUFACTURING
PROGRAMME STRUCTURE
LEVEL – 1
FOUNDATION COURSES

Sr. No.	Course Code	Course Title	Course Abbr	TEACHING SCHEME				EXAMINATION SCHEME						
				TH	TU	PR	Total Credits	Theory Paper		Test	PR	OR	TW	Total
								Hrs	Mark					
01	6101	Communication Skills	CMS	03	--	02	05	03	80	20	--	--	50	150
02	6102	Development of Life Skills	DLS	01	--	02	03	--	--	--	--	--	50	50
03	6120	Elements of Drawing	EYD	--	--	04	04	--	--	--	--	--	50	50
04	6121	Introduction of Sewing Techniques	IST	04	--	07	11	03	80	20	--	--	100	200
05	6122	Introduction to Drafting and Cutting	IDC	04	--	04	08	03	80	20	--	--	100	200
TOTAL			--	12	--	19	31	09	240	60	50	--	300	700

Level: 1

Total Course : 5
Total Credits : 31
Total Marks : 700

Abbreviations:

Abbr : Course Abbreviation, TH: Theory, TU: Tutorial, PR: Practical, OR: Oral, TW: Term Work

Course code Indication:

Example : 6101
First digit : 6 : Indicates last digit of Year of Implementation of Curriculum
Second digit : 1 : Indicates Level.
Third & Fourth digit : 01 : Indicates Course Number.

Assessment of PR / OR / TW:

- 1) All orals and practical's are to be assessed by external & internal examiners.
- 2) * Indicates TW to be assessed by external & internal examiners.
- 3) Other TW are to be assessed by internal examiner only.

PROGRAMME- DIPLOMA IN DRESS DESIGNING AND GARMENT MANUFACTURING
PROGRAMME STRUCTURE
LEVEL – 2
BASIC TECHNOLOGY COURSES

Sr. No.	Course Code	Course Title	Course Abbr	TEACHING SCHEME				EXAMINATION SCHEME						
				TH	TU	PR	Total Credits	Theory Paper		Test	PR	OR	TW	Total
								Hrs	Mark					
01	6255	Design Concept	DNC	04	--	04	08	03	80	20	--	--	50	150
02	6256	Elementary Textile	EYT	04	--	--	04	03	80	20	--	--	--	100
03	6257	Basic Apparel Construction	BLC	--	--	06	06	--	--	--	50	--	100	150
04	6258	Indian Costume	INC	04	--	--	04	03	80	20	--	--	--	100
05	6259	Fashion Illustration	FNI	--	--	04	04	--	--	--	50	--	50	100
06	6260	Fabric Science	FSC	04	--	--	04	03	80	20	--	--	--	100
07	6261	Folk Art	FKA	--	--	03	03	--	--	--	--	--	100	100
08	6262	Apparel Construction	ALC	--	--	08	08	--	--	--	50	--	100	150
09	6263	Professional Skills	PFS	--	--	02	02	--	--	--	--	50	50	100
10	6264	Basic and Regional Embroidery	BRE	04	--	05	09	03	80	20	50	--	100	250
11	6265	Tools and Machines for Apparel Construction	TMC	04	--	--	04	03	80	20	--	--	--	100
TOTAL			--	24	--	32	56	18	480	120	200	50	550	1400

Level: 2

Total Courses : 11
Total Credits : 56
Total Marks : 1400

Assessment of PR / OR / TW:

- 1) All orals and practical's are to be assessed by external & internal examiners.
- 2) * Indicates TW to be assessed by external & internal examiners.
- 3) Other TW are to be assessed by internal examiner only.

PROGRAMME- DIPLOMA IN DRESS DESIGNING AND GARMENT MANUFACTURING
PROGRAMME STRUCTURE
LEVEL – 3
ALLIED COURSES

Sr. No.	Course Code	Course Title	Course Abbr	TEACHING SCHEME				EXAMINATION SCHEME						
				TH	TU	PR	Total Credits	Theory Paper		Test	PR	OR	TW	Total
								Hrs	Mark					
01	6302	Environmental Studies	EVS	--	--	02	02	--	--	--	--	--	50	50
02	6303	Industrial Organization and Management	IOM	03	--	--	03	03	80	20	--	--	--	100
03	6316	Digital Image Design	DID	--	--	04	04	--	--	--	--	--	50	50
Elective I : Any ONE of the following														
01	6309	Entrepreneurship Development	EDP	01	--	02	03	--	--	--	--	--	50	50
02	6317	Digital Design	DLD	01	--	02	03	--	--	--	--	--	50	50
03	6318	Machine Study	MNS	01	--	02	03	--	--	--	--	--	50	50
		TOTAL	--	04	--	08	12	03	80	20	--	--	150	250

Level: 3

Total Courses : 04
Total Credits : 12
Total Marks : 250

Assessment of PR / OR / TW:

- 1) All orals and practical's are to be assessed by external & internal examiners.
- 2) * Indicates TW to be assessed by external & internal examiners.
- 3) Other TW are to be assessed by internal examiner only.

PROGRAMME- DIPLOMA IN DRESS DESIGNING AND GARMENT MANUFACTURING
PROGRAMME STRUCTURE
LEVEL – 4
APPLIED TECHNOLOGY COURSES

Sr No	Course Code	Course Title	Course Abbr	TEACHING SCHEME				EXAMINATION SCHEME						
				TH	TU	PR	Total Credits	Theory Paper		Test	PR	OR	TW	Total
								Hrs	Marks					
01	6410	Professional Practices	PPR	--	--	04	04	--	--	--	--	--	50	50
02	6411	Seminar	SEM	--	--	02	02	--	--	--	--	--	50	50
03	6412	Project	PRO	--	--	04	04	--	--	--	--	50	50	100
04	6452	Surface Ornamentation	SEO	04	--	06	10	03	80	20	50	--	100	250
05	6453	Advance Pattern Cutting	APC	04	--	--	04	03	80	20	--	--	--	100
06	6454	Advance Apparel Construction	ALN	--	--	08	08	--	--	--	50	--	100	150
07	6455	Apparel Quality Management	AQM	04	--	--	04	03	80	20	--	--	--	100
08	6456	Computerized Fashion Design	CFD	--	--	05	05	--	--	--	50	--	50	100
09	6457	Advance Fashion Illustration	AFI	--	--	04	04	--	--	--	50	--	50	100
10	6458	Design Process	DPS	--	--	06	06	--	--	--	--	--	50	50
11	6459	Traditional Textile of India	TTI	04	--	--	04	03	80	20	--	--	--	100
12	6460	Advance Computerized Design	ACD	--	--	05	05	--	--	--	50	--	50	100
13	6461	Fashion Advertising	FAD	04	--	03	07	03	80	20	--	--	50	150
14	6462	Fashion Merchandising	FNG	04	--	--	04	03	80	20	--	--	--	100
TOTAL			--	24	--	47	71	18	480	120	250	50	600	1500

Level: 4

Total Courses : 14
Total Credits : 71
Total Marks : 1500

Assessment of PR / OR / TW:

- 1) All orals and practical's are to be assessed by external & internal examiners.
- 2) * Indicates TW to be assessed by external & internal examiners.
- 3) Other TW are to be assessed by internal examiner only.

PROGRAMME- DIPLOMA IN DRESS DESIGNING AND GARMENT MANUFACTURING
PROGRAMME STRUCTURE
LEVEL – 5
DIVERSIFIED COURSES

Sr No	Course Code	Course Title	Course Abbr	TEACHING SCHEME				EXAMINATION SCHEME						
				TH	TU	PR	Total Credits	Theory Paper		Test	PR	OR	TW	Total
								Hrs	Mark					
01	6572	Apparel Production	ALP	04	--	--	04	03	80	20	--	--	--	100
02	6573	Dyeing and Printing	DNP	04	--	06	10	03	80	20	--	--	100	200
03	6574	World Costume	WDC	04	--	--	04	03	80	20	--	--	--	100
04	6575	Fashion Retail Management	FRM	04	--	--	04	03	80	20	--	--	--	100
Elective III: Any ONE of the following														
05	6576	Kid's Wear	KWR	--	--	08	08	--	--	--	50	--	100	150
06	6577	Women's Wear	WWR	--	--	08	08	--	--	--	50	--	100	150
07	6578	Men's Wear	MWR	--	--	08	08	--	--	--	50	--	100	150
TOTAL			--	16	--	14	30	12	320	80	50	--	200	650

Level: 5

Total Courses : 05
Total Credits : 30
Total Marks : 650

Assessment of PR / OR / TW:

- 1) All orals and practicals are to be assessed by external & internal examiners.
- 2) * Indicates TW to be assessed by external & internal examiners.
- 3) Other TW are to be assessed by internal examiner only.

**DIPLOMA IN DRESS DESIGNING AND GARMENT MANUFACTURING
COURSES FOR AWARD OF CLASS**

Sr. No.	Course Code	Course Title	Course Abbr	TEACHING SCHEME				EXAMINATION SCHEME						
				TH	TU	PR	Total Credits	Theory Paper		Test	PR	OR	TW	Total
								Hrs	Mark					
01	6410	Professional Practises	PPR	--	--	04	04	--	--	--	--	--	50	50
02	6411	Seminar	SEM	--	--	02	02	--	--	--	--	--	50	50
03	6412	Project	PRO	--	--	04	04	--	--	--	--	50	50	100
04	6452	Surface Ornamentation	SEO	04	--	06	10	03	80	20	50	-	100	250
05	6455	Apparel Quality Management	AQM	04	--	--	04	03	80	20	--	--	--	100
06	6458	Design process	DPS	-	--	06	06	--	--	--	--	--	50	50
07	6459	Traditional Textile of India	TTI	04	--	--	04	03	80	20	--	--	--	100
08	6460	Advance Computerized Design	ACD	--	--	04	04	--	--	--	50	--	50	100
09	6461	Fashion Advertising	FAD	04	--	03	07	03	80	20	--	--	50	150
10	6462	Fashion Merchandising	FNG	04	--	--	04	03	80	20	--	--	--	100
11	6573	Dyeing and Printing	DNP	04	--	06	10	03	80	20	--	--	100	200
12	6574	World Costume	WDC	04	--	--	04	03	80	20	--	--	--	100
13	6575	Fashion Retail Management	FRM	04	--	--	04	03	80	20	--	--	--	100
Any ONE from Elective III														
14	6576	Kid's Wear	KWR	--	--	08	08	--	--	--	50	--	100	150
	6577	Women's Wear	WWR	--	--	08	08	--	--	--	50	--	100	150
	6578	Men's Wear	MWR	--	--	08	08	--	--	--	50	--	100	150
TOTAL			--	32	--	43	75	24	640	160	150	50	600	1600

Total Courses : 14
Total Credits : 75
Total Marks : 1600

Assessment of PR / OR / TW :

- 1) All orals & practicals are to be assessed by external & internal examiners.
- 2) * Indicates TW to be assessed by external & internal examiners.
- 3) Other TW are to be assessed by internal examiners

PROGRAMME - DIPLOMA IN DRESS DESIGN AND GARMENT MANUFACTURING
SAMPLE PATH
ENTRY LEVEL- 10+

Nature of Course	First Year		Second Year		Third Year		Total
	Odd Term	Even Term	Odd Term	Even Term	Odd Term	Even Term	
Compulsory	6102(03) DLS	6101(05) CMS	6260(04) FSC	6302(02) EVS	6303(03) IOM	6412(04) PRO	
	6120(04) EYD	6256(04) EYT	6262(08) ALC	6316(04) DID	6410(04) PPR	6455(04) AQM	
	6121(11) IST	6257(06) BLC	6263(02) PFS	6454(08) ALN	6411(02) SEM	6460(05) ACD	
	6122(08) IDC	6258(04) INC	6265(04) TMC	6458(06) DPS	6456 (05) CFD	6461(07) FAD	
	6255(08) DNC	6259(04) FNI	6452(10) SEO	6462(04) FNG	6459 (04) TTI	6575 (04) FRM	
		6261(03) FKA	6453(04) APC	6572(04) ALP	6573(10) DNP		
		6264(09) BRE	6457(04) AFI	6574(04) WDC			
Total credits (CO)	34	35	36	32	28	24	189
Elective	--	--	--	--	Any ONE from Elective: I: 6309:EDP 6317:DLD 6318:MNS :(03)	Any ONE from Elective: II: 6577:WWR 6578:MWR 6576:KWR :(08)	
Total Credits (Elective)	Nil	Nil	Nil	Nil	03	08	11
Total Courses	05	07	07	07	07	06	39
Total Credits (Com + Elective)	34	35	36	32	31	32	200
Grand Total of Credits							200

Note: Figures in brackets indicates total credits

PROGRAMME : Diploma Programme in CE / ME / PS / EE / IF / CM / EL / AE / DD / ID
COURSE : Communication Skills (CMS) **COURSE CODE** : 6101

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
03	--	02			05	03	Max.	80	20	100	--	--
					Min.	32	--	40	--	--	20	--

1.0 RATIONALE:

Proficiency in English is one of the basic needs of technical students hence this curriculum aims at developing the functional and communicative abilities of the students. As Communication skills play a decisive role in the career development and entrepreneurship this course will guide and direct to develop a good personality and effective communication too. This course is compiled with an aim of shaping minds of engineering students while catering to their needs.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Understand & use basic concepts of Communication in an organisation and social context.
2. Use reasonably and grammatically correct English language with reading competency.
3. Utilise the skills to be a competent communicator.
4. Develop comprehension skills, improve vocabulary, and acquire writing skills.
5. Overcome language and communication barriers with the help of effective communication techniques.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Apply the process and identify types of Communication for being an effective communicator
2. Identify the barriers in the communication process and apply ways to overcome them
3. Interpret graphical information precisely
4. Use formal written skills for business correspondence.
5. Exhibit listening & reading skills for improving competencies in communication.
6. Pronounce English sounds with correct stress and intonation in day to day conversations.
7. Construct correct grammatical sentences in oral and written communication.

4.0 COURSE DETAILS:

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics	Hours
Unit-I Communication	1.a. Define communication & objectives 1.b. Describe the process of Communication 1.c. Differentiate between types of communication	1.1 Meaning of communication: definition, objectives and Importance of communication 1.2 Elements/Process of communication 1.3 Types of communication: Formal, Informal, Verbal, Nonverbal, vertical, Horizontal, Diagonal	04

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics	Hours
Unit-II Communication Barriers	2.a. Explain types of barriers 2.b. Describe the principles of effective communication 2.c. Discuss ways to overcome barriers. 2.d. Identify various barriers	2.1 Barriers to Communication a) Physical Barrier <ul style="list-style-type: none"> • Environmental(time, noise, distance and surroundings) • Personal(deafness, stammering, ill-health, spastic, bad handwriting, temporary physical disabilities) b) Mechanical: Machines/means oriented c) Psychological : Day dreaming, prejudice, emotional, blocked mind, generation gap, status, inactiveness, perception d) Language: Difference in language, technical jargons pronunciation and allusion 2.2 Ways to overcome barriers 2.3 Principles of effective communication	04
Unit-III Nonverbal & Graphical communication	3.a. Explain use of body language in oral conversations 3.b. Label and interpret the graphical information correctly 3.c. Describe the importance of graphical and nonverbal methods in technical field.	3.1 Non-verbal codes: <ul style="list-style-type: none"> • Proxemics • Chronemics • Artefacts 3.2 Aspects of body language(Kinesics) 3.3 Graphical communication <ul style="list-style-type: none"> • Advantages and disadvantages of graphical communication • Tabulation of data and its depiction in the form of bar graphs and pie charts. 	06
Unit-IV Formal Written Communication	4.a. Develop notices, circulars and emails 4.b. Draft letters on given topics 4.c. Prepare technical reports. 4.d. Develop various types of paragraphs.	4.1 Office Drafting :Notice, Memo, Circulars and e-mails 4.2 Job application and resume 4.3 Business correspondence : Enquiry, Reply to an enquiry order, complaint, adjustment, 4.4 Technical Report Writing : Accident report, Fall in Production / survey, progress Investigation / maintenance 4.5 Paragraph writing -Types of paragraphs <ul style="list-style-type: none"> • Descriptive • Technical • Expository 	12
Unit-V Listening skills	5.a. Differentiate between hearing and listening. 5.b. Apply techniques of effective listening.	5.1 Listening versus hearing 5.2 Merits of good listening 5.3 Types of listening 5.4 Techniques of effective listening	02
Unit-VI	6.a. Describe various	6.1 Reading for comprehension	06

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics	Hours
Reading Skills	<p>methods to develop vocabulary</p> <p>6.b. Develop reading competencies.</p> <p>6.c. Explain steps to comprehend passage</p>	<p>6.2 Reading styles</p> <p>6.3 Developing vocabulary</p> <p>6.4 Methods of word formation: prefixes, suffixes, collocations, synonyms, antonyms, Homophones, Homonyms.</p> <p>6.5 Comprehension of unseen passages</p>	
Unit-VII Speaking Skills	<p>7.a. Demonstrate Correct Pronunciation, stress and intonation in everyday conversation</p> <p>7.b. Develop formal conversational techniques.</p> <p>7.c. Deliver different types of speech</p>	<p>7.1 Correct Pronunciation -Introduction to sounds vowels, consonants, stress, intonation</p> <p>7.2 Conversations :</p> <ul style="list-style-type: none"> • Meeting & Parting • Introducing & influencing requests • Agreeing & disagreeing • Formal enquiries <p>7.3 Speech-Types of speech</p> <ul style="list-style-type: none"> • Welcome Speech • Farewell speech • Vote of thanks 	06
Unit-VIII Language Grammar	<p>8.a. Use grammatically correct sentence in day to day oral and written communication</p> <p>8.b. Distinguish between determiners & apply correctly in communicative use</p> <p>8.c. Use correct verb for given course.</p> <p>8.d. Use appropriate preposition as per time, place and direction.</p> <p>8.e. Transform the sentences.</p>	<p>8.1 Tense</p> <ul style="list-style-type: none"> • Present Tense(Simple, Continuous, perfect, perfect Continuous) • Past Tense(Simple, Continuous, perfect, perfect Continuous) • Future Tense(Simple) <p>8.2 Determiners</p> <ul style="list-style-type: none"> • Articles (A, An, The) • Some, Any, Much, Many, All, Both, Few, A few, The few, Little, A little, The little, Each, Every. <p>8.3 Modal Auxiliaries Can, Could, May, Might, Shall, Should, Will, Would, Must, Have to, Need, ought to.</p> <p>8.4 Sentence Transformation</p> <ul style="list-style-type: none"> • Voice • Degree • Affirmative, Negative, Assertive, <p>8.5 Prepositions</p> <ul style="list-style-type: none"> • Time • Place • Direction <p>8.6 Conjunctions</p>	08
		TOTAL	48

5.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):

Unit No.	Unit Title	Distribution of Theory Marks			
		R Level	U Level	A and above Levels	Total Marks
I	Communication	--	02	04	06
II	Communication Barriers	02	02	02	06
III	Nonverbal & Graphical communication	--	02	08	10
IV	Formal Written Communication	--	04	18	22
V	Listening Skills	--	--	04	04
VI	Reading Skills	--	02	06	08
VII	Speaking Skills	02	02	04	08
VIII	Language Grammar	--	04	12	16
	TOTAL	04	18	58	80

Legends: R = Remembrance (Knowledge); U = Understanding; A = Application and above levels (Revised Bloom's taxonomy)

Note: This specification table shall be treated as a general guideline for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.

6.0 ASSIGNMENTS/PRACTICALS/TASKS:

The tutorial/practical/assignment/task should be properly designed and implemented with an attempt to develop different types of cognitive and practical skills (**Outcomes in cognitive, psychomotor and affective domain**) so that students are able to acquire the desired programme outcome/course outcome.

Note: Here only outcomes in psychomotor domain are listed as practical/exercises. However, if these practical/exercises are completed appropriately, they would also lead to development of **Programme Outcomes/Course Outcomes in affective domain** as given in the mapping matrix for this course. Faculty should ensure that students also acquire Programme Outcomes/Course Outcomes related to affective domain.

Sr. No.	Unit No.	Practical Exercises (Outcomes in Psychomotor Domain)	Hours
1	I	Communicate on the given topic/situation.	02
2	II	Identify communication barriers	02
3	III	Non-verbal communication	02
4	IV	Business letter writing & job application	02
5	IV	Draft official letter	02
6	IV	Technical report writing on given topic	04
7	V	Attend a seminar and preparing notes	02
8	VI	Vocabulary building with different methods	02
9	VII	Language lab Experiment for correct pronunciation of sounds	04
10	VII	Write & present conversations on given situations	02
11	VIII	Grammar application-various exercises on grammar	04
12	I to VIII	Mini project (on given topic)	04
		TOTAL	32

7.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Prepare charts on types of communication.
2. Convert language information in graphical or nonverbal codes.
3. Maintaining own dictionary of difficult words, words often confuse, homophones & homonyms.
4. Listening daily English news on television or radio & to summarise it in their language.

8.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Use audios of correct pronunciations.
2. Show videos about use of body language in oral formal conversations.

9.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	Effective English Communication	Krishna Mohan and Meenakshi Raman	Tata McGraw Hill Publishing Co. Ltd.
2	English for practical purpose	Z. N. Patil	Macmillan
3	Spoken English	Basal and Harrison	Orient Longman
4	Contemporary English Grammar	R. C. Jain, David Green	Macmillan
5	Business correspondence and Report writing	R. C. Sharma and Krishna Mohan	Tata McGraw Hill Publishing
6	English Communication for Polytechnics	S. Chandrashekhar & others	Orient Black Swan
7	Active English Dictionary	S. Chandrashekhar & others	Longman

B) Software/Learning Websites

1. <http://www.communicationskills.co.in>
2. <http://www.mindtools.com>
3. <http://www.communication.skills4confidence>
4. <http://www.goodcommunication skills.net>
5. <http://www.free-english-study.com/>
6. <http://www.english-online.org.uk/>
7. <http://www.englishclub.com>
8. <http://www.learnenglish.de>
9. <http://www.talkenglish.com/>
10. <http://www.englishgrammarsecrets.com>
11. <http://www.myenglishpages.com/>
12. <http://www.effective-business-letters.com/>
13. <https://www.englishlistening.com/>
14. <https://www.class-central.com>

C) Major Equipments/ Instruments with Broad Specifications

1. Digital English Language Laboratory.
2. Computers for language laboratory software
3. Headphones with microphone

10.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1									H		M
CO2									H		M
CO3	M								H		M
CO4		M							H		M
CO5	M								H		M
CO6		M							H		
CO7	M								H		M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in CE / ME / PS / EE / IF / CM / EL /AE / DD / ID
COURSE : Development of Life Skills (DLS) **COURSE CODE** :6102

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
01	--	02	03	--	Max.	--	--	--	--	--	50	50
					Min.	--	--	--	--	--	20	--

1.0 RATIONALE:

This course will develop the student as an effective member of the team in the organization. It will develop the abilities and skills to perform at highest degree of quality. It enhances his/her capabilities in the field of searching, assimilating information, handling people effectively and solving challenging problems.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Develop the abilities and skills to perform at highest degree of quality as an individual as well as a member of core group or team.
2. Enhance capabilities in the field of searching, assimilating information, managing the given task, handling people effectively, solving challenging problems.
3. Understand and use personal management techniques.
4. Analyse their strengths, weaknesses, opportunities and threats.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Analyse self attitude and behaviour.
2. Acquire self learning techniques by using various information sources
3. Identify personal strengths to get future opportunities.
4. Develop presentation skills with the help of effective use of body language.
5. Enhance leadership traits and recognize the importance of team work.
6. Face interview without fear.
7. Resolve conflict and solve problems by appropriate methods.
8. Set the goal for personal development.

4.0 COURSE DETAILS:

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics	Hours
Unit-I Self Analysis	1.a. Explain types of Motivation. 1.b. Differentiate between types of attitude. 1.c. Describe types of behaviour 1.d. Analyse SWOT of an individual	1.1 Motivation-types, need 1.2 Attitude-types, tips for developing positive attitude 1.3 Behaviour-types-passive, assertive, aggressive 1.4 Confidence building-need, importance 1.5 SWOT analysis-(significance)	02
Unit-II Self Learning Techniques	2.a. Explain the self learning techniques by enhancing memory and	2.1 Need & importance of SLT 2.2 Information source-Primary, secondary, tertiary 2.3 Enhancing Memory and concentration	02

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics	Hours
(SLT)	concentration 2.b. Apply practical skills for effective learning 2.c. Identify the information sources	2.4 Learning Practical Skills- need of Practical Skills types of practical skills-technical, organisational, human Domains of learning 1)cognitive 2)Affective 3)psychomotor 2.5 information search techniques-library search, internet search	
Unit-III Self Development & Management	3.a. Explain the Need of self Management 3.b. Set the goals for personal development	3.1 Stress management-remedies to avoid, minimize stress 3.2 Health management –importance of Diet & exercise 3.3 Time management-time planning, tips for effective time management 3.4 Goal setting-need and importance 3.5 Creativity	03
Unit-IV Emotions	4.a. Explain nature and types of human emotions 4.b. Differentiate between cognitive and emotional intelligence	4.1 Basic emotions- 4.2 Emotional intelligence 4.3 Emotional stability/maturity	01
Unit-V Presentation Skills	5.a. Develop presentation skills with the help of body language 5.b. Describe utilisation of voice quality in oral conversations	5.1 Body Language – Codes, dress and appearance, postures, gestures Facial expressions 5.2 Voice and language 5.3 Use of aids:-OHP, LCD projector, white board	02
Unit-VI Group Discussion and Interview Techniques	6.a. Participate in group discussion 6.b. Face interview without fear.	6.1 introduction to group discussion 6.2 ways to carry group discussion 6.3 Parameters-analytical, logical thinking, Decision making 6.4 Interview techniques Necessity, tips for handling common questions	02
Unit-VII Team Work	7.a. Recognise the importance of team work 7.b. Enhance leadership qualities	7.1 stages of team development 7.2 Understand and work with dynamic group 7.3 Ingredients of effective teams. 7.4 leadership in teams, handling frustration in group	02
Unit-VIII Conflicts & Problem Solving	8.a. Describe sources of conflicts and resolve conflicts 8.b. Develop lateral thinking abilities 8.c. Identify innovative methods in solving Problems.	8.1 sources of conflict 8.2 Resolution of conflict 8.3 ways to enhance interpersonal relation 8.4 Steps in problem solving 8.5 Problem solving techniques-trial, error & brainstorming	02
		TOTAL	16

5.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):-

Not Applicable

6.0 ASSIGNMENTS/PRACTICALS/TASKS:

The tutorial/practical/assignments/tasks should be properly designed and implemented with an attempt to develop different types of cognitive and practical skills (**Outcomes in cognitive, psychomotor and affective domain**) so that students are able to acquire the competencies.

Note: Here only outcomes in psychomotor domain are listed as practical/exercises. However, if these practical/exercises are completed appropriately, they would also lead to development of **Programme Outcomes/Course Outcomes in affective domain** as given in a common list at the beginning of curriculum document for this programme. Faculty should refer to that common list and should ensure that students also acquire those Programme Outcomes/Course Outcomes related to affective domain.

Sr. No.	Unit No.	Practical Exercises (Outcomes in Psychomotor Domain)	Approx. Hrs. required
1	I	Self Introduction-giving personal details for introducing self	02
2	II	SLT-Access the book on biography of scientist/industrialist/invention from the library or internet	02
3	I	Deliver a seminar for 10 minutes using presentation aids.	02
4	IV	Prepare PowerPoint slides on given topic and make presentation	02
5	VII	Case study for problem solving in an organisation	04
6	V	Discuss a topic in a group & prepare minutes of discussion.	02
7	VI	Prepare questionnaire for your friend or any person in the organisation to check emotional intelligence.	02
8	VII	Goal setting for achieving the success-SMART goal.	02
9.	I	SWOT Analysis for yourself with respect to your Strength, Weakness, Opportunities & Threats	04
10	III	Attend a seminar or a guest lecture and note down the important points and prepare a report of the same.	02
11	VIII	Undertake any social activity in a team and prepare a report about it(i.e. tree plantation, blood donation, environment protection, rain water harvesting)	04
12	III	Management of self-stress management, time management, health management	04
		TOTAL	32

7.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Preparing personal time table.
2. Performing YOGA as a routine part of daily life.
3. Practicing breathing exercises.
4. Improving concentration by chanting and meditation.
5. Focusing on behavior skills and mannerism
6. Searching information on internet and newspapers.
7. Concentrating on various aspects of personality development.

8.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Use of videos on personality development.
2. Use of power point presentation on health, time & stress management
3. Case study of an organization
4. Use of videos to show interviews of successful personalities.

9.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	Make Every Minute Count	Marion E Haynes	Kogan Page India
2	Body language	Allen Pease	Sudha Publication Pvt. Ltd.
3	Presentation Skills	Michael Hatton	ISTE New Delhi
4	Organizational Behavior	Pearson Education Asia	Tata McGraw Hill
5	Working in Teams	Chakravarty, Ajanta	Orient Longman
6	Develop Your Assertiveness	Bishop, Sue	Kogan Page India
7	Adams Time Management	Marshall Cooks	Viva Books
8	Time Management	Chakravarty, Ajanta	Rupa and Company
9	Target setting & Goal Achievement	Richard hale, Peter whilom	Kogan page India
10	Creativity & problem solving	Lowe and Phil	Kogan page (I)P Ltd
11	Basic Managerial Skills for all	E. H. Mc Grah, S. J.	Pretice Hall of India, Pvt.Ltd.

B) Software/Learning Websites

1. <http://www.mindtools.com>
2. [http:// www.successconsciousness.com](http://www.successconsciousness.com)
3. <http://www.studyhabits.com>
4. <http://www.motivateus.com>
5. <http://www.quickmba.com>
6. <http://www.success77.com>
7. <http://www.stress.org>
8. <http://www.topachievement.com>
9. <http://www.ethics.com>
10. <http://www.creativityforlife.com>
11. [http:// www.motivation.com](http://www.motivation.com)
12. <http://www.queendom.com>

C) Major Equipments/ Instruments with Broad Specifications

Not Applicable

10.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	L	M			L		L	M	H		H
CO2	M	M			L	L	H		M		H
CO3					M		M	M	H		H
CO4	L	L			L	M	M		H		M
CO5					L		M	M	H	M	L
CO6		L			L	M			H		M
CO7	L				M	M	L	M	M	L	L
CO8	L	L			L	M	L	L	H		L

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)
COURSE : Elementary Fashion Drawing. **(EYD)** **COURSE CODE** : 6120

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
--	--	04	04	-	Max.	--	--	--	--	--	50	50
					Min.	--	--	--	--	--	20	--

1.0 RATIONALE:

This course provides foundation for drawing, which enables the students to develop skills of illustration. Pupil can better organize and communicate the thought through learning the language of elements of drawing and colour schemes. They can make proper execution of details of human body to make illustration successful. It develops the knowledge of presenting the ideas through drawing sources.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Learn colour basics.
2. Learn elements of design.
3. Learn Parameters for drawing human facial features.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Acquire knowledge of pigment colour and colour basics.
2. Acquire knowledge of lines & shapes.
3. Acquire knowledge of human body details & hair styles.
4. Know Sequence of colour & colour wheel.
5. Know detail of body.

4.0 COURSE DETAILS:

There are no separate classes for theory as given below. The relevant theory has to be discussed before the practical during the practical sessions.

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics
Unit-I Colour Concept	1a Draw the colour wheel of 12 colours. 1b Draw the colour wheel of 24 colours.	1.1 Colour wheel 12 & 24 1.2 Sequence of colour
Unit-II Colour Study	2a. What is primary colour? 2b. Draw the secondary colour wheel. 2c. Explain intermediate colours.	1.1 Primary colour 1.2 Secondary colour 1.3 Tertiary colour 1.4 Intermediate colours.
Unit-III Understanding in Elements of Design	3a. Explain types of line. 3b. What is hatching? 3c. Define the term stippling. 3d. What is smudging?	1.1 line-a)types of line b)lines with different values c)value gradation by- smudging, hatching, stippling, scribbling 1.2 basic forms & shapes
Unit-IV Details of the Body	4a. What is face analysis? 4b. Why hand analysis is important. 4c. Explain features analysis.	4.1 Face analysis. 4.2 hand analysis 4.3 Legs analysis.

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics
	4d. Write about legs analysis.	4.4 Features analysis. 4.5 Hair styles.

5.0 ASSIGNMENTS/PRACTICALS/TASKS:

Sr. No.	Unit No.	Practical Exercises (Outcomes in Psychomotor Domain)	Approximate hours required.
1	Unit-I Colour Concept	1.1 Draw the Colour wheel 12 & 24 With its Sequence of colour	16
2	Unit-II Colour study	Identify & draw the following. 2.1 Primary colour 2.2 Secondary colour 2.3 Tertiary colour 2.4 Intermediate colours.	16
3	Unit-III Understanding in elements of design	3.1 line- a)types of line b)lines with different values c)value gradation by- smudging, hatching, stippling, scribbling(examples from nature –for above assignments) basic forms & shapes. 3.2 Draw the geometrical object with respective to light effect (cube, prism, cylinder etc.) 3.3 Sketching with inspiration of fashion object Dimension, draping (for example draped with Sarong)	16
4	Unit-IV Details of the body	4.1 Draw parameters for drawing facial features. Face $\frac{3}{4}$, front view, $\frac{3}{4}$ back, profile & full front with facial features like eyes, nose, lips, and ears. 4.2 Draw guide line for drawing parts like Arms & hands, legs & foot, - (comparative study of male, female, kids.) 4.3 Draw different hairstyles of male, female, kids. 4.4 Developing stylized hairstyles and facial features.	16
		TOTAL	64

6.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Practice skills of coloring in sketch book.
2. Develop a library of facial features and hairstyles & tricks of stylized drawing.
3. Draw design elements & it effects with media.
4. Collect clippings and observe the body parts and practice drawing them.

7.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Arrange the fashion drawing work shop.
2. Demonstrate the media.
3. Show the Techniques of stylization.
4. Staff member can give some tricks of illustration for improvement in skills of student.

8.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	The Art of colour & Design	Matland Graves	McGraw hill Book co, New York
2	Colour for Modern fashion	Nancy Riegelman	Nine Heads Media, los Angeles
3	Joy of drawing	Bill Martine	Watson-Guptill, New York
4	Fashion design illustration	Patric John Ireland	Bats ford Ltd.
5	Drawing for fashion designers	Angel Fernandez & Gabriel Marten Roig	Batsford Publication.
6	Advance Fashion sketch book	Bina Abling	Fairchild publication

B) Software/Learning Websites

1. www.johnlovett.com/test.htm
2. swc2.hccs.edu
3. www.lettraset.com
4. www.alexhays.com
5. www.johnvett.com

C) Major Equipments/ Instruments with Broad Specifications

Not Applicable

9.0 MAPPING MATRIX OF PO'S AND CO'S:

Course outcomes	Programme outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	L	M	L	H	L	M	M	M	L	L	M
CO2	L	H	L	M	M	L	L	M	L	L	M
CO3	M	M	M	H	M	L	H	M	L	L	M
CO4	M	M	M	H	M	L	H	M	L	L	M
CO5	M	L	L	M	M	L	H	M	L	L	M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)
COURSE : Introduction to Sewing Techniques(IST) **COURSE CODE** : 6121

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
04	--	07	11	03	Max.	80	20	100	--	--	100	200
					Min.	32	--	40	--	--	40	--

1.0 RATIONALE:

This course provides the basement for various special sewing techniques that needs to be used while constructing garments. The course promotes student to develop and present functional and decorative details including trims, ornamental stitching and pattern matching also the course discusses methods of garment closure including button, buttonholes, zippers and miscellaneous fasteners through which student learn the most basics of stitching crafts.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Operate Sewing Machine.
2. Construct the garment elements.
3. Construct the garment using support material & fastener.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Achieve the skills of handling of Sewing Machine.
2. Use the importance of lining and interlining for production of quality garments
3. Implement the knowledge of various stitches while developing apparel.
4. Understand basic principles of sewing solve common machine problems.
5. Present edge treatments used to finish raw edges with emphasis on hems facings, bindings, bands and plackets.

4.0 COURSE DETAILS:

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
Unit-I Introduction to Sewing machine	1a Explain the principles of sewing machine. 1b Write the mechanism of Sewing Machine 1c Describe the Care & Maintenance of Sewing Machine 1d Enlist the types of sewing machine. 1e Explain any four types of sewing machine. 1f Describe functions & uses of sewing machine.(any two)	Introduction to Sewing machine 1.1 Principles & mechanism of Sewing Machine 1.2 Care & Maintenance of Sewing Machine 1.3 Threading (Lower & Upper) 1.4 Sewing machine accessories 1.5 Faults & remedies of sewing machine	16
Unit-II Support Material	2a. State the purpose of Support Material 2b. Explain the use of Support Material 2c. Differentiate between Lining, Interlining 2d. Differentiate between Facing &	2.1 Lining 2.2 Interlining 2.3 Facing 2.4 Interfacing 2.5 Shoulder Pads, adhesives, Collar Stays, sleeve headers	10

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
	Interfacing		
Unit-III Construction Basics:	3a. Define the term plain seam 3b. Explain the types of seams. 3c. Write the definition of stitch. 3d. What are construction basics? 3e. Write the stitch classification. 3f. Describe the stitch properties.	3.1 Seams a. Definition b. Classes c. Seam types & Uses d. Notations 3.2 Stitches a. Definition of to stitches b. Stitch classification c. Stitch properties	10
Unit-IV Pleats	4a. Define the term pleats 4b. Explain the types of pleats 4c. Enlist the types of pleats 4d. Differentiate between a. Knife Pleats & side Pleats b. Box pleats & Accordion pleat c. Inverted Box Pleat & Kick Pleat	4.1 Types of Pleats a. Knife Pleats, b. Side Pleats, c. Box pleat, d. Accordion pleat, e. Inverted Box Pleat, f. Kick Pleat	08
Unit-V Tucks & Darts	5a. Define the term a. Tucks b. Darts 5b. Enlist the types of tucks 5c. Enlist the types of darts 5d. What is pointed dart 5e. What is French Dart or Fish Dart 5f. Explain the types of Tucks 5g. Explain the types of Darts	5.1 Types of Tucks a. Pin Tuck b. Square Tuck c. Released Tuck d. Scalloped Tuck e. Cross Tuck f. spaced Tuck g. Blind Tuck 5.2 Types of Darts a. Straight Darts b. Curved Darts c. French Dart or Fish Dart d. Double Pointed Dart	08
Unit-VI Fasteners	6a. Explain the types of fasteners 6b. enlist the types of fasteners 6c. what is the use of gathers, ruffles, shirring 6d. Differentiate between types of fasteners	6.1 Types of fasteners a. Zip, button & button hole, eyes & hooks, Velcro, touch buttons b. Machine gathering, elasticised, shirring, single & double ruffle, Cascade.	06
Unit-VII Pockets & Plackets	7a. What is the use of pocket 7b. Enlist the types of pocket 7c. Enlist the types of Plackets 7d. Explain the types of pockets 7e. Explain the types of placket 7f. Difference between Pointed Placket with facing-in-one & Slit opening with placket	7.1 Types of Pockets a. Patch Pocket, b. In-Seam Pocket c. Front Hip Pocket, d. Accordion Pocket 7.2 Types of Plackets a. Pointed Placket with facing-in-one, b. Slit opening with placket	06
		TOTAL	64

5.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):

Unit No.	Unit Title	Distribution of Theory marks			
		R Level	U level	A and Above levels	Total Marks
I	Introduction to Sewing machine	04	06	04	14
II	Support Material	04	04	04	12
III	Construction Basics	04	04	04	12
IV	Pleats	04	04	02	10
V	Tucks & Darts	04	04	04	12
VI	Fasteners	04	04	02	10
VII	Pockets & Plackets	04	04	02	10
TOTAL		28	30	22	80

Legends: R= Remembrance (Knowledge); U= Understanding; A= Application & Above level (Revised bloom taxonomy)

Note: This specification table shall be treated as general guidelines for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.

6.0 ASSIGNMENTS/PRACTICALS/TASKS:

The tutorial / Practical / Task/ Assignment should be properly designed and implemented with an attempt to develop different types of cognitive and practical skills (outcomes in cognitive, Psychomotor and affective domain) so that students are able to acquire the competency.

Sr.No.	Unit No.	Practical Exercises (Outcomes in Psychomotor Domain)	Approximate hours required.
1	I	1.1 Introduction a. sewing machine parts needle b. Feed dog, pressure foot, c. throat plate, d. Bobbin case, e. shuttle & shuttle hook, f. Tension devices, Face plate, thread guide	07
2	II	2.1 Demonstration a. bobbin winding & threading	07
3		Samples of Various kinds of 3.1 Types of Fasteners: Zip Fasteners, Eyes & Hooks, Button, Velcro, Touch Buttons 3.2 Types of Pockets: Patch Pocket, Inserted Seam Pocket, Front Hip Pocket, Accordion Pocket 3.3 Types of Plackets: Pointed Placket with facing-in-one, Slit opening with placket 3.4 Types of Collar:- Sailor Collar, Peter Pan Collar, Mandarin Collar, Shirt Collar	28
4	III	4.1 Drafting & Stitching Of Innovative Pattern Of Bib & Panty (patterns will be decided group wise with appropriate use of unit IV to VII)	28
5	IV	5.1 Drafting & Stitching Of Innovative Pattern of Bonnet. (patterns will be decided group wise with appropriate use of unit IV to VII)	14
6	V	6.1 Drafting & Stitching Of Innovative Pattern of Zabala. Using Types of Tucks, Ruffles, Hems, laces, pleats, Seams, Pockets, Plackets, Collar, Sleeves & appropriate fasteners.	28
TOTAL			112

7.0 SUGGESTED STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. As per the pattern draft, cut & stitch the garment
2. Group discussion on pattern designs.
3. Group works for preparing flow charts on design.
4. Collect the different type of fasteners & lining material.
5. Study the seams & stitch classes practically through market survey.

8.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Show the videos of working of machine
2. Show the videos of threading of machine
3. Visit to units for studying manufacturing process.
4. Collections of clipping for showing the application of garment details.

9.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	Dress making pictures	Agnes war Burton	Elliot Rightway
2	The art of sewing	Anna Jacob Thomas	UBS Publishers
3	Dress making simplified	Valerie cock	Wiley Blackwell
4	Complete guide to sewing	Reader's Digest	Readers Digest
5	Fashion Production Terms	Debbie Ann Gioello & Beverly Berke	Fairchild Publication, New York

B) Software/Learning Websites

1. <http://en.m.wikipedia.org>
2. <http://www.adoredvintage.com>
3. <http://www.phsclothingtech.weebly.com>
4. www.namedclothing.com

C) Major Equipments/ Instruments with Broad Specifications

1. Sewing machine domestic models & industrial model.
2. Cutting machine for bulk sample cutting
3. Scissors
4. Pressing tools
5. Felt top Cutting table
6. Ironing tables

10.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	M	M	H	M	L		M	M	M	L	M
CO2	M	M	M	L	-		H	M	M		M
CO3	M	M	M	M	M		M	M	M		M
CO4	M	M	H	H	L		L	M	M	L	M
CO5	M	M	M	M	M		L	M	M		M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)
COURSE : Introduction to Drafting and Cutting (**IDC**) **COURSE CODE** : 6122

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
04	--	04	08	03	Max.	80	20	100	--	--	100	200
					Min.	32	--	40	--	--	40	--

1.0 RATIONALE:

This course deals with the fundamental principles and cut and fit on which is based all pattern construction even the most advanced and modern the course allows more emphasis to be placed on techniques and methods of drafting pattern. The course enables the aspiring pattern cutters to develop an eye for visualizing three dimensional shapes through the introduction of dart manipulation in the course.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Acquire skills of pattern making.
2. Learn use of symbol keys.
3. Acquire skill of dart manipulation for draft innovative pattern.
4. Learn / identify equipments and select appropriate tools for drafting.
5. Learn different measurement methods.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Acquire and develop knowledge of Industrial terms.
2. Acquire and develop knowledge of cutting department in the industry.
3. Implement the knowledge of taking body measurements.
4. Understand Dart manipulation for designing the garments.
5. Understand the figure types & measurement size chart.

4.0 COURSE DETAILS:

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
Unit-I Industry Workroom term and definition	1a. Explain the pattern making terminology. 1b. Define the term fabric. 1c. Define the term dart. 1d. What is symbol keys 1e. Define the landmark terms. 1f. Enlist symbol keys 1g. Enlist the terms of landmark 1h. Explain any four fabric terminology a. Define the term drafting b. Define the term draping. c. What is pattern making d. Define the term slash & spread technique e. Enlist the name of tracing & marking tools f. Enlist the points of draping	1.1 Introduction to industrial Terminology a. Symbol Keys b. Land Mark Terms 1.2 Fabric Terminology 1.3 Dart terminology 1.4 Drafting Terminology 1.5 Draping Terminology 1.6 Pattern Making Terms 1.7 Tracing & Marking Terminology 1.8 Types of Pattern	16

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
	Terminology g. Explain the types of pattern h. Explain the tools of tracing & marking.		
Unit-II Method Of Measuring Body Dimension	2a. Define the term figure 2b. Define the term measurement 2c. What is Department store standards 2d. How to take direct body measurement 2e. Enlist the name of Vertical measurements 2f. Explain the given points a. Circumference measurements b. Vertical measurements c. Horizontal measurements	2.1 Introduction to standard ideal figure 2.2 Pattern industry standards 2.3 Department store standards 2.4 Direct body measurement a. Circumference measurements b. Vertical measurements c. Horizontal measurements 2.5 Measuring the form 2.6 Standard measurement chart	16
Unit-III Tools For Clothing Construction	3a. Define the term given below a. Measuring Tools b. Pinning tools c. Sewing tools d. Pressing tools e. Drafting Tools f. Marking Tools g. Cutting Tools 3b. Enlist & Explain the Measuring Tools 3c. Enlist & Explain the Pinning tools 3d. Enlist & Explain the Sewing tools 3e. Enlist & Explain the Pressing tool 3f. Enlist & Explain the Drafting Tools. 3g. Which tools are important for Clothing Construction?	3.1 Measuring Tools 3.2 Pinning tools 3.3 Sewing tools 3.4 Pressing tools 3.5 Drafting Tools 3.6 Cutting Tools 3.7 Marking Tools	12
Unit-IV Dart manipulation	4a. What is dart manipulation? 4b. Write the importance of dart. 4c. Define the term slash & spread technique. 4d. Write the name of dart location	Dart manipulation 4.1 Introduction, Importance of darts, Importance of dart manipulation 4.2 Introduction slash and spread technique 4.3 Charting dart location	10
Unit-V Body types & size chart	5a. Enlist the types of body types of men, women & children.	5.1 body types & size charts for women 5.2 body types & size charts for men 5.3 body types & size charts for children ((Misses, miss petite, junior, junior petite, young junior or teen, half size and women) (No question should be ask in theory about size chart)	10
		TOTAL	64

5.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):

Unit No.	Unit Title	Distribution of Theory marks			
		R Level	U level	A and Above levels	Total Marks
I	Introduction to industrial forms	04	08	08	20
II	Working room term and definition	04	08	06	18
III	Method of measuring body dimension.	04	06	10	20
IV	Dart terminology & Dart manipulation	04	04	06	14
V	Body types & size chart	04	04	00	08
	TOTAL	20	30	30	80

Legends: R= Remembrance (Knowledge); U= Understanding; A= Application & Above level (Revised bloom taxonomy)

Note: This specification table shall be treated as a general guideline for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.

6.0 ASSIGNMENTS/PRACTICALS/TASKS:

Sr.No.	Unit No.	Practical Exercises (Outcomes in Psychomotor Domain)	Approximate hours required.
1	I	1.1 Introduction to bodice block (Easy fitting & Close fitting) a. Easy fitting bodice block for Ladies b. Close fitting bodice block for Ladies c. Easy fitting bodice block for Children d. Close fitting bodice block for Children e. Basic Sleeve Block f. Basic Skirt Block g. Basic Trouser Block h. Seam allowance guide i. Drafting of layette set	16
2	II	2.1 Draft Various types of Skirt Block a. Straight Skirt b. Flared Skirt c. Skirts With gathered Waistline d. Gored Skirt e. Circular Skirt f. Pleats Skirt	12
3	III	3.1 Draft Various Types of Sleeve a. Puff Sleeve b. Cap Sleeve c. Bell Sleeve d. Raglan Sleeve e. Tulip Sleeve	10
4	IV	4.1 Types of Collars a. Peter pan collar b. Sailor Collar	06
5	V	5.1 Dress block a. One Piece Dress Block b. Sleeveless Dress Block	06
6	VI	Dart Manipulation 6.1 Single dart series-slash-spread technique a. Centre front waist dart, b. centre front neck dart, c. mid-shoulder dart, d. French dart mild-neck dart, e. side dart, f. mid armhole dart, g. Shoulder-tip dart. 6.2 Two dart series-slash spread technique a. Two-dart working pattern,	14

Sr.No.	Unit No.	Practical Exercises (Outcomes in Psychomotor Domain)	Approximate hours required.
		b. Waist and side dart, c. mid-shoulder and waist dart d. Mid-armhole and waist dart.	
		TOTAL	64

7.0 SUGGESTED STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Visit to garment industry or small scale unit for studying pattern, tools for clothing construction.
2. Collection of different types of patterns
3. Report preparation on visits for terminology, tools & drafting.
4. Draft the basic blocks with pattern details.
5. Compare the different body types with size chart.
6. Prepare a practical book of ¼ draft of basic block.

8.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Show the clippings of slash & spread technique for drafting
2. Arrange expert workshop of pattern drafting.
3. Show the clipping of dart manipulation for innovative patterns.
4. Collections of clipping for showing the application of tools for clothing construction.
5. Collections of tools of tools for differentiate & handling.

9.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	Metric pattern cutting for Women's wear	Winifred Aldrich.	Wiley Blackwell
2	Pattern Making	Armstrong	Prentice Hall
3	Fashion Production Terms	Debbie Ann Gioello & Beverly Berke	Fairchild Publication, New York

B) Software/Learning Websites

1. <http://www.clothingpatterns101.com>
2. <http://in.pinterest.com>
3. <http://www.thecuttingclass.com>

C) Major Equipments/ Instruments with Broad Specifications

1. Scissors
2. T shape ruler, L shape ruler
3. Hip curve, neck curve
4. Scale triangle
5. Model form
6. Table with felted tops
7. Steam irons & steamer for study purpose

10.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	K
CO1	M	M	H	H	M	M		M		M	M
CO2	M	M	H	H	M	M		M		M	M
CO3	M	M	M	M	M		M	M	M	M	M
CO4	M	M	M	M	M	M	M	L	H	L	M
CO5	M	M	M	M	M	M	M	L		-	M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)

COURSE : Design Concept (DNC)

COURSE CODE : 6255

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
04	--	04	08	--	Max.	80	20	100	--	--	50	150
					Min.	32	--	40	--	--	20	--

1.0 RATIONALE:

Students of Fashion Design need to start with fundamentals of drawing techniques, hence, various ways of learning basic drawing skills is given to form a solid base. Other than designs, illustrators need to depict minute details of accessories and style to show the final look. Hence, the ability of drawing and paintings techniques for realistic Representation of these is essential.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Build their creativity by using element of design.
2. Use principle of design for designing the garments.
3. Make best use of desire silhouettes to suit the fashion figure.
6. Identify textile families & apply textile design using Repeats.
7. Understand drawing media & materials.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Acquire knowledge of drawing basics that is elements & principles.
2. Application of elements & principles for creating illusion.
3. Acquire knowledge of perspectives.
4. Identify the silhouettes.
5. Acquire knowledge of textile design.

4.0 COURSE DETAILS:

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
Unit-I Drawing basics	1a Describe the wet & dry media. 1b Explain the types of tools & materials.	1.1 Study of tools & materials of drawing. 1.2 Study of Medias –Dry & wet.	16
Unit-II Colour Concept	2a. Describe with illustration the Principle of Gestalt laws. 2b. Define the term colour & its terminology. 2c. Describe Newton's theory. 2d. Describe Additive colour theory. 2e. Describe Subtractive colour theory.	2.1 Definition of colour & its terminology. 2.2 Objectives of colour, Factor influencing choice of colour (light, texture, age & size of person, personality, complexion & occasion.) 2.3 Principle of Gestalt laws 2.4 Newton's colour Theory 2.5 Additive colour theory 2.6 Subtractive colour theory	12
Unit-III Elements & Principle of	3a. State the colour classification. 3b. State the characteristics types & movement of lines.	3.1 Line 3.2 Forms 3.3 Colour(language of colour primary secondary & neutral)	12

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
Design	3c. List categories of shape. 3d. State the principle of design. 3e. Apply the principle of design with appropriate drawing. 3f. Study of forms & textures.	3.4 Texture 3.5 Proportion 3.6 Balance 3.7 Rhythm 3.8 Harmony 3.9 emphasis	
Unit-IV Silhouettes	4a. Identify different types of figures & suggest the silhouettes. 4b. Enlist the silhouettes 4c. Features of the silhouettes.	4.1 Hourglass 4.2 Rectangular 4.3 Triangular a. Ample 4.4 Egg a. Sheath. b. Mermaid. 4.5 Mushroom.	10
Unit-V Textile Design	5a. Enlist the textile design families. 5b. Describe the types of repeats with illustration.	5.1 Various textile print-flowerer, geometrical, abstract, checks, stripes, conversational etc. 5.2 Types of repeats drops, bricks, block, diamond, steps, all over etc.	14
		TOTAL	64

5.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):

Unit No.	Unit Title	Distribution of Theory marks			
		R Level	U level	A and Above levels	Total Marks
I	Drawing basics	08	04	02	14
II	Colour concept	08	04	02	14
III	Elements & Principle of design	08	06	04	18
IV	Silhouettes	08	06	04	18
V	Textile design	08	04	04	16
	TOTAL	40	24	16	80

Legends: R= Remembrance (Knowledge); U= Understanding; A= Application & Above level (Revised bloom taxonomy)

Note: This specification table shall be treated as general guidelines for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.

6.0 ASSIGNMENTS/PRACTICALS/TASKS:

Sr.No.	Unit No.	Practical Exercises (Outcomes in Psychomotor Domain)	Approximate hours required.
1	Unit-I Study of Textile design & Repeat	1.1 Develop Textile design- a)Floral b)Ethnic c)Geometrical d) Conversational 1.2 Repeats- a) Brick b)Diamond c)Step d) Drop e)All over	10
2	Unit-II Constructing Figure	2.1 Constructing Human & Fashion Figure. 2.2 Stylization of figure –male female kids.	10
3	Unit-III Female, Male & kids	3.1 Mechanical Croqui –three views.-front, profile, three fourth 3.2 Front $\frac{3}{4}$, Profile, 8, 10, 12 Head Croqui (with Movement)	10
4	Unit-IV Silhouettes	4.1 Hourglass 4.2 Rectangular 4.3 Triangular a. Ample 4.4 Egg a. Sheath. b. Mermaid. 4.5 Mushroom	10
5	Unit-V Colour harmonies	5.1 Complementary colour Harmony 5.2 Double complementary Harmony 5.3 Split Complementary Harmony 5.4 Double Split Complementary Harmony 5.5 Warm Colour Harmony 5.6 Cool Colour Harmony 5.7 Analogous 5.8 Achromatic 5.9 Monochromatic 5.10 Polychromatic	12
6	Unit-VI	Elements of garment with fashion details (tucks, zips, pleats, draw strings, frills & flounces.) 6.1 Library formation of necklines 6.2 Library formation of collars 6.3 Library formation of skirts 6.4 Library formation of sleeves 6.5 Library formation of jackets 6.6 Library formation of trouser 6.7 Ruffles, cascade, cowl & drapes.	12
TOTAL			64

7.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Overcome the defects in Human Figure by Using Optical Illusion & able to design the best & Risk for these figure types
2. Creating new combinations using the knowledge of
3. Colour and principles of design
4. Library formation of costumes.
5. Develop the rendering skill.
6. Practice croqui.

8.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Arrange the fashion drawing work shop.
2. Show the different magazines for silhouettes.
3. Show the video of drawing techniques.
4. Identify textile designs by observation and study.
5. Collection of garment details, Identify & suggest techniques to simplify drawing.

9.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	The fundamental of drawing	Barrington Barber	Barnes & Noble book New York, 2002
2	Drawing for fashion designers	Angel Fernandez & Gabriel Marketing	Pageone, Singapore
3	Joy of Drawing	Bill Martine	Watson- Guptill, New York
4	Fashion Drawing Basic Principles	Anne Allen & Jalian Scaman	B.T. Batsford, London
5	Fashion Sketch Book	Bina Abing	Fairchild publication, New York
6	Fashion Illustration	Manmeet Sodhia	Kalyani Publications.
7	Fashion Source book	Kathryn Mckelvey	Blackwell Publications.
8	Design studies	Manmeet Sodhia	Kalyani publication

B) Software/Learning Websites

1. www.johnlovett.com/test.htm
2. en.wikipedia.org/wiki/Design_elements_and_principles
3. www.incredibleart.org/files/elements2.htm
4. www.bieap.gov.in
5. www.info.fabric.net
6. www.dickblick.com
7. www.fashionarium.com
8. www.fashionsizzle.com
9. www.ehow.com
10. <http://textile-ideas.blogspot.in>
11. char.txa.cornell.edu
12. www.incredibleart.org

C) Major Equipments/ Instruments with Broad Specifications

Not Acceptable

10.0 MAPPING MATRIX OF PO'S AND CO'S:

Course outcomes	Programme outcomes										
	a	b	c	d	e	f	g	h	i	J	k
CO1	M	M	-	M	L	L	M	--	-	-	M
CO2	M	M	L	M	L	L	M	M	L	M	M
CO3	M	M	L	M	L	M	M	L	-	--	M
CO4	M	H	L	M	M	M	H	--	M	--	M
CO5	M	M	M	H	M	M	H	L	M	L	M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)
COURSE : Elementary Textile(EYT) **COURSE CODE** : 6256

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
04	--	--	04	03	Max.	80	20	100	--	--	--	100
					Min.	32	--	40	--	--	--	--

Legends:- L= Lecture, T=Tutorial P= Practical, C= Credit, ESE=End semester examination, PA= Progressive Assessment

1.0 RATIONALE:

This course provides the elements of various fibres with the introduction of characteristics of fibre manufacturing and process the course contents provides student all the basic information needed by student in the selection of textile fibres and fabrics suitable for designing garments.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Understand different fabrics for specific use.
2. Understand effect of twist of the fabrics
3. Understand types of yarns.
4. Identify deferent fibres.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Gain knowledge of classification of fibres and properties.
2. Acquire the knowledge of various fibres and fabrics.
3. Achieve the knowledge of various fabrics with respect to its physical and chemical properties.
4. Learn manufacturing process of yarns.
5. Learn the effect of twist on fabrics.
6. Gain Knowledge of novelty yarns.

4.0 COURSE DETAILS:

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
Unit-I Introduction to Textiles	1a. Write the importance of textile in fashion designing 1b. explain the Classification of Natural, artificial, mineral fibre 1c. distinguish between Natural, artificial, mineral 1d. Describe the primary and secondary Properties of fibre. 1e. Properties of staple and filaments yarn.	Introduction to textiles 1.1 Importance of textile in fashion designing 1.2 Classification of fibres. Natural, artificial, mineral 1.3 Primary and secondary Properties of fibre. Properties of staple & filaments, yarns.	06

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
Unit-II Classification Of Natural Fibre	2a. Define Vegetable fibres 2b. Cotton & linen 2c. describe the Manufacturing process of cotton & linen 2d. Describe the Manufacturing process silk & wool. 2e. Describe the structure, physical and chemical properties of cotton.	2.1 Vegetable fibres cotton, linen a) Manufacturing process of cotton & linen. b) Study of physical and chemical properties / structure c) Serviceability of cotton & linen (strength, elasticity, resilience, drapability, heat conductivity, absorbency, cleanliness & wash ability, reaction of bleach, shrinkage) d) Burning tests 2.2 Animal fibres silk, wool a) Manufacturing process of silk & wool. b) Study of structure, physical and chemical properties Burning test c) Serviceability of Silk & Wool (strength, elasticity, resilience, drapability, heat conductivity, absorbency, cleanliness & wash ability, reaction of bleach, shrinkage)	12
Unit-III Classification of Manmade Textile Fibre	3a. Define manmade fibre 3b. Describe the Manufacturing process of nylon 3c. describe the Manufacturing process of rayon 3d. Explain the Classification of Manmade textile fibres. 3e. What is Non-Thermoplastic fibre	3.1 Manmade fibre : Thermoplastics fibres-Nylon a. Manufacturing process of Nylon, Polyester b. Study of structure, Physical and Chemical Properties c. Serviceability of Nylon (strength, elasticity, resilience, drapability, heat conductivity, absorbency, cleanliness & washability, reaction of bleach, shrinkage) d. Burning test 3.2 Non-Thermoplastic fibre-Rayon a. Manufacturing process of Rayon b. Study of structure, Physical And Chemical Properties c. Serviceability of Rayon (strength, elasticity, resilience, drapability, heat conductivity, absorbency, cleanliness & washability, reaction of bleach, shrinkage) d. Burning test	14
Unit-IV Yarn Formation	4a. Define the term yarn. 4b. Describe the different stages of yarn formation of manmade 4c. Describe the different	4.1 Yarn formation of manmade fibre and natural fibre 4.2 Different stages of yarn formation a. Blending, Opening & Cleaning b. Carding, Doubling, Combing,	14

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
	stages of yarn formation of natural 4d. Define the term ply 4e. List out the Types of Novelty Yarns 4f. What is Chenille yarns 4g. What is the use of simple yarn 4h. Why the Blending of yarn is important in textile.	Drawing, Roving Picking, Spinning 4.3 Types of yarn 1. Staple yarn 2. Filament yarn 3. Novelty Yarns 4. Ply yarn 5. Cabled yarn 6. Doubled yarns 7. Slub yarns 8. Flake yarns 9. Spiral yarns 10. Ratine yarn 11. Loop or curl yarns 12. Knot or spot yarns 13. Chenille yarns	
Unit-V Yarn Twist	5a. Define the term twist 5b. Explain the Direction of twist 5c. Distinguish between Direction of twist (S & Z) Effect of twist on fabric 5d. Enlist the types of twist	Twisting of yarn 5.1 Types of twists :- a. Low twist, hard twist and crepe twist 5.2 Direction of twist(s & z) a. Effect of twist on fabric	08
		TOTAL	64

5.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):

Unit No.	Unit Title	Distribution of Theory marks			
		R Level	U level	A and Above levels	Total Marks
I	Introduction to textiles	04	08	04	16
II	Classification of Natural fibre	04	08	04	16
III	Classification of Manmade textile fibres'	04	08	04	16
IV	Yarn formation	04	08	04	16
V	Yarn Twist	04	08	04	16
	TOTAL	20	40	20	80

Legends: R= Remembrance (Knowledge); U= Understanding; A= Application & Above level (Revised bloom taxonomy)

Note: This specification table shall be treated as a general guidelines for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.

6.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Market survey for material
2. Visit to Textile industry
3. Visit to exhibition for observation of deferent textile fibres
4. Collection of different types of material swatches with names and widths.
5. Making charts of classification of yarn, yarn twist.

8.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Show the resource to learn the course effectively.
2. Show the clippings of yarn formation. & twist.
3. Videos on manufacturing process yarn.

9.0 LEARNING RESOURCES:**A) Books**

Sr.No.	Title of Book	Author	Publication
1	Fibre to Fabric	Bernard P. Carbman	McGraw Hill
2	Clothing	Jeanette Weber	Blackwell Publishing
3	Fashions and Fabrics	Lucy Rathbone	Blackwell Publishing
4	Fundamental of Textile & Their Care	Susheela Dantyagi.	Orient Longmans

B) Software/Learning Websites

1. <http://www.textilefashionstudy.com>
2. <http://www.textilelearner.blogspot.in>

C) Major Equipments/ Instruments with Broad Specifications

1. LCD
2. Visualiser
3. Microscope

10.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	M	H	H	H	M	H	M	--	M	-	M
CO2	M	M	H	H	M	H	M	-	M	-	M
CO3	M	M	H	H	M	H	M	M	M	-	M
CO4	M	M	H	H	M	H	M	M	M	-	M
CO5	M	M	H	H	M	H	M	M	M	-	M
CO6	M	M	H	H	M	H	M	M	M	-	M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)
COURSE : Basic Apparel Construction(**BLC**) **COURSE CODE** :6257

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
--	--	06	06	--	Max.	--	--	--	50	--	100	150
					Min.	--	--	--	20	--	40	--

* Indicates TW to be assessed by external & internal examiners.

1.0 RATIONALE:

This course introduces student with drafting paper pattern for various basic garments of different age group. The course adds confidence, foresight good judgment & speed to perform various stages of adopting basic pattern to working pattern & finally to master pattern.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Learn use of industrial forms for drafting.
2. Learn use of symbol keys.
3. Learn Identify equipments and tools used for giving a finished touch to the apparel.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Adapt changes on basic patterns and develop various stylized paper patterns.
2. Develop good judgments for advanced patterns with respect to cutting paper pattern.
3. Recognize the fundamental link between working patterns and master patterns while modeling and tailoring the stylized patterns.
4. Know how to cut garment by doing economical layout
5. Know the step by step stitching procedure
6. Incorporate special seams and seam finishes in an outfit
7. Add finishing touch and estimate the price of garment

4.0 COURSE DETAILS:

There are no separate classes for theory as given below. The relevant theory has to be discussed before the practical during the practical sessions.

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics
Unit-I Baby frock	1a. Draw any two designs of baby frock. 1b. Design party wear frock for girl. 1c. Which material is mostly use for casual baby frock?	1.1 Study of Fabric selection according to design of baby frock. 1.2 Study of basic & innovative drafting of basic bodice block & skirt block. 1.3 Study of appropriate material, closure & embellishments suitable for baby frock.
Unit-II Skirt & top	2a. What is the purpose of pleat? 2b. Enlist the types of pleats. 2c. Draft the basic skirt block.	2.1 different types of skirt 2.2 different types of pleats 2.3 Study of basic & innovative drafting of basic bodice block & skirt block.
Unit-III Night Suit	3a. Draft the basic pyjama block. 3b. Draw any two designs of night suit.	3.1 Study of basic & innovative drafting of night suit pyjama block. 3.2 Study of various design of night suit.

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics
Unit-IV Culottes	4a. Which print & material is mostly use for culottes? 4b. Write the step by step stitching procedure of culottes.	4.1 Study of basic & innovative Drafting of culottes. 4.2 Study of different print & material using for culottes. 4.3 Study of step by step stitching of culottes.

5.0 ASSIGNMENTS/PRACTICALS/TASKS:

Sr. No.	Unit No.	Practical Exercises (Outcomes in Psychomotor Domain)	Approximate hours required.
1	Unit-I Baby frock	4.1 Prepare full size paper pattern of innovative pattern of baby frock. 4.2 Cutting & stitching of innovative pattern of Baby frock (Dress with high waist band / Empire line dress)	24
2	Unit-II Skirt & top	2.1 Prepare full size paper pattern of innovative pattern of skirt & top. 2.2 Cutting & stitching of innovative pattern of skirt & top (any one type of skirt) : Straight Skirt, Flared Skirt, Gored Skirt, Wrap Skirt, Circular Skirt, Tiers Skirt, Pleats Skirt	30
3	Unit-III Night Suit	6.3 Prepare full size paper pattern of innovative pattern of night suit. 6.4 Cutting & stitching of innovative pattern of night suit. (Two –Piece)	26
4	Unit-IV Culottes	4.1 Prepare full size paper pattern of innovative pattern of culottes 4.2 Cutting & stitching of innovative pattern of Culottes.	16
		TOTAL	96

6.0 SUGGESTED STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Collect different design of above patterns.
2. Draft, cut & stitch above patterns.
3. Group discussion for selection of appropriate material, closure & embellishments.
4. Make stitching flow charts on above patterns
5. Study the trends of the accessories & design & make for above patterns.

7.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Show the clippings of stitching process of garments.
2. Collections of clipping for showing the application of seams.
3. Show the different types of designs for innovative ideas for designing.

8.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	Pattern Making	Armstrong	Prentice Hall
2	Metric pattern cutting for children's wear	Winifred Aldrich.	Wiley Blackwell
3	Dress pattern making	Natalie Bray.	Wiley Blackwell

B) Software/Learning Websites

1. <http://www.mellysews.com>
2. http://www.pfaffusa.com/gathering_shirring_foot.jpg

C) Major Equipments/ Instruments with Broad Specifications

1. Single needle Lock stitch machine
2. Scissors
3. T shape ruler, I shape ruler
4. Hip curve, neck curve
5. Scale triangle
6. Model form
7. Table with felted tops
8. Steam iron

9.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	M	M	M	M		M	H	M	M	-	M
CO2	M	H	M	M	M	M	M	L	M	-	M
CO3	H	H	M	H	H	M	M	M	H	-	M
CO4	M	M	M	M	M	M	M	H	H	H	M
CO5	H	H	M	M	M	M	M	M	H	M	M
CO6	M	H	M	M	M	M	M	-	M	-	M
CO7	M	M	M	M	M	M	M	M	H	H	M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)
COURSE : Indian Costume **(INC)** **COURSE CODE** : 6258

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
04	--	00	04	03	Max.	80	20	100	--	--	--	100
					Min.	32	--	40	--	--	--	--

1.0 RATIONALE:

This course provides the knowledge of Indian costumes, which simply gloss over those early periods & the uniqueness of the various draping styles, costumes, color schemes & ornaments of different states & to make the source of inspiration in their designing skills.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Learn the regional splendours of Indian costumes.
2. Gain the knowledge about ornaments worn by region wise male & female.
3. Analysis of current market trends in costume.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Acquire knowledge of region wise costume.
2. Gain the knowledge about ornaments worn by common as well as royal people.
3. Learn the regional splendours of Indian costumes.
4. Know various traditional Indian draping styles.
5. Illustrate traditional costumes of different states.

4.0 COURSE DETAILS:

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
Unit-I Maharashtra	1a. Enlist the attires of Maharashtrian men's costume. 1b. Explain in detail ornaments of Maharashtra. 1c. What is the difference between dhoti of Maratha & Brahmin men?	1.1 male costume 1.2 female costume 1.3 Tribal costume • Koli • warali 1.4 Ornaments	12
Unit-II Gujarat	2a. Describe the ornaments of Gujarati people. 2b. Design kancholi of female of Gujarat.	2.1 male costume 2.2 female costume 2.3 Tribal costume • Tadvī • Bhil 2.4 Ornaments	08
Unit-III Punjab	3a. Explain the traditional costume of Punjabi woman's. 3b. Explain in detail ornaments of Punjab. 3c. Render the traditional male attire of Punjabi male. 3d. Describe the woman's costume of Punjab.	3.1 male costume 3.2 female costume 3.3 Ornaments	08

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
Unit-IV Kashmir	4a. State the ear ornaments worn in Kashmir. 4b. Explain in detail footwear of Kashmir. 4c. Render the traditional female attire of Kashmir. 4d. Describe the famous costume of Kashmiri couple. 4e. Explain the traditional tribal costume of Kashmir	4.1 male costume 4.2 female costume 4.3 Ornaments	08
Unit-V Rajasthan	5a. Write about Ghaghara of Rajasthan. 5b. Explain in detail about head gear of Rajasthani men's. 5c. Describe the famous attire of male of Rajasthan. 5d. Explain the women's costume of Rajasthan	5.1 male costume 5.2 female costume 5.3 Ornaments	08
Unit-VI Bengal & Orissa	6a. Explain in detail men's costume of Bengal 6b. What is "Bhooria" of Bengal 6c. Describe the costume of bridal couple of Bengal. 6d. Describe the traditional male attire of Bengali people	6.1 male costume 6.2 female costume 6.3 Ornaments	12
Unit-VII Karnataka	7a. Explain in detail men's costume of Karnataka. 7b. Describe the female costume of Karnataka. 7c. State the head ornaments.	7.1 male costume 7.2 female costume 7.3 Tribal costume • Kota tribe • Konda kapus tribe 7.4 Ornaments	08
TOTAL			64

5.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):

Unit No.	Unit Title		Distribution of Theory marks			
			R Level	U level	A and Above levels	Total Marks
I	Unit-I	Maharashtra	06	04	04	14
II	Unit-II	Gujarat	06	04	02	12
III	Unit-III	Punjab	06	04	02	12
IV	Unit-IV	Kashmir	04	03	03	10
V	Unit-V	Rajasthan	06	04	02	12
VI	Unit-VI	Bengal and Orisa	04	02	02	08
VII	Unit-VII	Karnataka	06	04	02	12
TOTAL			38	25	17	80

Legends: R= Remembrance (Knowledge); U= Understanding; A= Application & Above level (Revised bloom taxonomy)

Note: This specification table shall be treated as general guidelines for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.

6.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Arrange the display on region-wise costume.
2. Arrange the display of draping costume.
3. Collect the region-wise ornaments.

7.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Arrange the work shop for draping.
2. Show region-wise costume video.
3. Arrange the presentation of Indian costume

8.0 LEARNING RESOURCES:**A) Books**

Sr.No.	Title of Book	Author	Publication
1	Traditional Indian costume & Textile	Parul Bhatanagar	Abhishek Publication
2	Costume & Textile of royal India	Ritu Kumar	London Christie's Book shop
3	Indian costume	Anamika Pathak	Roli books Pvt. Ltd.
4	Indian costume	A Bishwas	Ministry of Information & Broad casting, Govt. of India

B) Software/Learning Websites

1. www.maharashtratourism.net
2. www.marathiheritage.com
3. www.indianscriptures.com
4. www.indianetzone.com
5. traditionalclothingindia.blogspot.in
6. www.drawingcroquis.blogspot.in
7. www.discoveredindia.com

C) Major Equipments/ Instruments with Broad Specifications

1. LCD Projector, Visualiser.

9.0 MAPPING MATRIX OF PO'S AND CO'S:

Course outcomes	Programme outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	M	M	L	M	L	M	H	L	L	-	M
CO2	M	H	-	H	L	M	M	-	-	-	M
CO3	M	H	-	H	L	M	M	L	-	-	M
CO4	M	H	-	H	M	M	M	M	L	L	M
CO5	M	M	L	M	L	M	L	L	-	-	M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)

COURSE : Fashion Illustration (FNI)

COURSE CODE : 6259

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
--	--	04	04	--	Max.	--	--	--	50	--	50	100
					Min.	--	--	--	20	--	20	--

1.0 RATIONALE:

This course explore the creativity by manually drawing different poses with proportion and show how to draw the figure from different angles including many different stylized poses which provides the knowledge of presenting the ideas through different medias such as pencil, charcoal, ink, collage etc. Students also need fashion drawing and presentation skill when developing design ideas and are taught different ways of presenting ideas when sketching and how to produce working drawing suitable for pattern development and illustration. It explores the use of templates sources in developing the composition of an illustration.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Work with new material & practice experimenting to achieve different effects.
2. Create different templates to develop design sketching and presentation skills in various ways
3. Show styles, accessories, garments details through techniques of sketching and rendering.
4. Understand and practice perspective.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Identify & draw garment details.
2. Use new materials for new effect in illustration.
3. Draw the figure from templates, photograph & imagination.
4. Draw the figure types and learn illusion techniques.
5. Know stylized croques.

4.0 COURSE DETAILS:

There are no separate classes for theory as given below. The relevant theory has to be discussed before the practical during the practical sessions.

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics
Unit-I Study of Textures	1a. Write the different colouring media. 1b. Write the different texture fabric.	1.1 Study of textures with respective light effect. 1.2 Study of different media.
Unit-II Study of Perspective	2a. Explain one point perspective. 2b. Explain two point perspectives. 2c. Define the term horizon line. 2d. What is vanishing point? 2e. Write the difference between Proximative shadow & cast shadow. 2f. Define the term shadow.	Study the Perspective 2.1 Art vocabulary. (highlight, shadow, horizon line, vanishing point, value, plane, Proximative shadow & cast shadow)) 2.2 One point perspective 2.3 Two point perspective.

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics
Unit-III Figure Drawing	3a. Draw the human anatomy (10 head). 3b. What is quick drawing? 3c. Explain Shading with light source.	3.1 Study of human anatomy 3.2 Low of balance. (axial & non axial) 3.3 Quick drawing with geometrical shapes with stick figure. 3.4 Shading with light source
Unit-IV Figure Types	4a. Define the term stout figure. 4b. Write the difference between tall & thin & tall & stout. 4c. Explain short & thin figure. 4d. Explain short & stout figure.	Study the figure types- 4.1 Tall & thin 4.2 Tall & stout 4.3 Short and thin 4.4 Short & stout. (Lines, colours, print, textures, etc.)

5.0 ASSIGNMENTS/PRACTICALS/TASKS:

Sr.No.	Unit No.	Practical Exercises (Outcomes in Psychomotor Domain)	Approximate hours required.
1	Unit-I	Texture & experimental with mix media. Using mixed media experimental to bring out texture especially the most common once for- 1.1 Cotton 1.2 Wool 1.3 chiffon 1.4 suede 1.5 velvet 1.6 fur 1.7 Knits 1.8 satin, crepe 1.9 Georgette, embroidery fabric, Linen 1.10 Smocking, shirring etc.	16
2	Unit-II	Perspective 2.1 Art vocabulary. (highlight, shadow, horizon line, vanishing point, value, plane, Proximative shadow & cast shadow)) 2.2 One point perspective 2.3 Two point perspective.	16
3	Unit-III	Drawing the figure 3.1 Drawing from Templates. 3.2 Drawing from Imagination 3.3 Drawing from Photograph	16
4	Unit-IV Creating Illusion	Fig types- 4.1 tall & thin 4.2 Tall & stout 4.3 Short and thin 4.4 Short & stout. (Lines, colors, print, textures, etc.)	16
		TOTAL	64

6.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Develop designs using template and create illusions.
2. Develop a library of textures of fabrics.
3. Collect the photographs for figure drawing.

7.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Arrange the work shop for fashion illustration.
2. Show the different techniques for texture effect.
3. Techniques shown by video.

8.0 LEARNING RESOURCES:**A) Books**

Sr.No.	Title of Book	Author	Publication
1	The Art of colour & Design	Matland Graves	McGraw hill Book co, New York
2	Colour for Modern fashion	Nancy Riegelman	Nine Heads Media, los Angeles
3	Joy of drawing	Bill Martine	Watson-Guptill, New York
4	Fashion design illustration	Patric John Ireland	Batsford Ltd.
5	Fashion Illustration	Manmeet Sodhia	Kalyani Publications.
6	Fashion Illustration technique	Maite Lafuente	--

B) Software/Learning Websites

1. www.johnlovett.com/test.htm
2. www.enwikipedia.org
3. chickyarick.wordpress.com

C) Major Equipments/ Instruments with Broad Specifications

Not Applicable

9.0 MAPPING MATRIX OF PO'S AND CO'S:

Course outcomes	Programme outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	M	H	L	H	M	M	M	M	L	-	M
CO2	M	M	M	H	H	M	L	M	L	-	M
CO3	L	M	L	H	L	L	L	L	L	L	M
CO4	M	H	L	H	M	M	L	L	M	L	M
CO5	L	M	L	M	-	-	L	-	M	-	M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)
COURSE : Fabric Science (FSC) **COURSE CODE** : 6260

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
04	--	--	04	--	Max.	80	20	100	--	--	--	100
					Min.	32	--	40	--	--	--	--

Legends: L= Lecture, T=Tutorial, P= Practical, C= Credit, **ESE**=End semester examination, **PA**= Progressive Assessment.

1.0 RATIONALE:

Definition and classification of Course describes the integrated construction of fibre to fabric through various ways as weaving, knitting and felting. This course explores the knowledge of care and handling of special fabrics such as silks, woollens and synthetics. This course introduce student with various complementary finishes applied to fabric and durability of material which is depend on the kind of fibres' and type of weave and the nature of the finishes used.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Understand about Yarn Numbering System
2. Understand the basic principles of Woven Fabric Formation and working of loom.
3. Understand the purpose of various pre treatments on grey fabrics.
4. Understand the Textile Finishes

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Acquire the knowledge of Yarn Numbering System.
2. Achieve the knowledge of character of various fabrics with respect to its physical and chemical properties.
3. Analysis of Basic Weaves And Decorative Weaves Structure
4. Gain knowledge of Knitted Fabrics & its types
5. Acquire the knowledge Inspection of Grey fabrics and its significance
6. Achieve the knowledge of Application Of Finishes
7. Acquire the knowledge Laundering of Clothes & clothing care.

4.0 COURSE DETAILS:

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
Unit-I Yarn Numbering	1a. What is yarn numbering system? 1b. Explain Tex system. 1c. Why yarn numbering system is important in textile? 1d. What is denier?	1.1 Yarn Numbering System 1.2 Tex system 1.3 Denier 1.4 Metric number 1.5 English number	06
Unit-II Woven Fabric Formation:	2a. What is weaving? 2b. explain the Objective of different process involved in fabric manufacturing 2c. Describe the Weaving Process.	2.1 Preparation for weaving 2.2 Essential weaving operations a. Shedding b. Picking	10

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
	2d. What is picking? 2e. What is loom? 2f. Explain the principal parts of looms. 2g. What is Thread count and balanced Construction? 2h. Enlist the types of loom. 2i. Write the function of Shuttle loom.	1. Shuttle loom 2. Shuttle less looms 3. Rapier looms 4. Air –jet looms 5. Circular looms c. Beating –up 2.3 Thread count & balance construction	
Unit-III Classification of Weaving	3a. Enlist the name of basic weaves & Decorative Weaves 3b. What is plain weave? 3c. What is Twill weave? 3d. Explain the basic weaves. 3e. Explain the Weaves given bellow : a. Dobby Weave b. Spot Weave c. Jacquard Weave d. Pile Weave e. Swivel Weave 3f. Describe the structure, appearance, properties of 3g. plain weave 3h. Twill weave 3i. Satin	3.1 Types of Weaving (structure, appearance, properties) 1. plain weave 2. Twill weave 3. Satin – Sateen Weaves (Honey Comb, Huck-a-back) 3.2 Decorative Weaves 1. Pile weave 2. Dobby Weave 3. Crepe weave 4. Jacquard Weave 5. Swivel Weave 6. Lappet weave 7. Gauze weave	12
Unit-IV Knitting	4a. Describe the Manufacturing process of Basic Knit. 4b. Describe the Manufacturing process of Tricot Knits. 4c. Enlist & explain the types of Knits. 4d. What is Jacquard Knitting?	4.1 Comparison of knitting with weaving 4.2 Construction of knitting fabric 4.3 Classification of knitted fabrics 1. Weft Knitting a. Plain Knit Stitch b. Rib Stitch 2. Warp Knitting a. Tricot Knit b. Raschel Knit 3. Jacquard Knitting 4. Pile knitting 5. Insertion Knitting 4.4 Introduction to circular knitting machine & needles	10
Unit-V Finishing Processes	5a. Describe the different stages of pre-treatment. 5b. What is the Purpose of pre-treatment of fabric? 5c. Distinguish between picking & carding 5d. What is Scouring? 5e. Write the process of Bleaching	5.1 Converting gray goods 5.2 Kinds of preparatory 5.3 Finishing processes 1. Singeing 2. Bleaching 3. Desizing 4. Mercerizing 5. Scouring 6. Chemical treatment 7. Fulling 8. Tendering 9. Crabbing	12

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
		5.4 Textural process 1. Stiffing 2. Weighting 3. Calendaring 4. Glazing 5. Embossing 6. Moireing 7. Cireing 8. Raising 9. Napping 10. Giggling 11. Shearing 12. Crepe & crinkled effect	
Unit-VI Finishing Processes-II	6a. Describe the Permanent press cotton finishes 6b. Explain Wrinkle-resistant finishes 6c. What is durable finishes?	6.1 Wrinkle-resistant finishes 6.2 Permanent press cotton finishes 6.3 Durable press wool finishes 6.4 Durable finishes	04
Unit-VII Laundering of Clothes & Clothing Care	7a. Write the name of Laundering equipments 7b. Describe the methods of laundering of special fabrics. 7c. Why dry cleaning is important for Clothes? 7d. How to remove stains according to texture of fabric explain with example. 7e. What is care label? 7f. Which type of care require for Rugs and carpets?	7.1 Permanent care labeling (placement) 7.2 Care of fabrics 7.3 Dry cleaning 7.4 Cleaning methods a. Laundering b. Bleaching c. Dry cleaning d. Wet cleaning	10
		TOTAL	64

5.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):

Unit No.	Unit Title	Distribution of Theory marks			
		R Level	U level	A and Above levels	Total Marks
I	Yarn Numbering	04	02	02	08
II	Woven Fabric Formation:	04	04	04	12
III	Classification of Weaving	04	06	04	14
IV	Knitting	04	04	04	12
V	Finishing Processes	04	06	04	14
VI	Finishing Processes-II	02	02	02	06
VII	Laundering of Clothes & Clothing Care	04	06	04	14
	TOTAL	26	30	24	80

Legends: R= Remembrance (Knowledge); U= Understanding; A= Application & Above level (Revised bloom taxonomy)

Note: This specification table shall be treated as a general guidelines for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.

6.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Market survey for different types of material.
2. Visit to a Textile industry.
3. Visit to different exhibition for observation different textile fibres
4. Collection of different types of material swatches according to weaves.
5. Report preparation of material & textile fibres.
6. Collection of different brands of threads for studying yarn numbering & shades.
7. Making charts of yarn types.
8. Making flow chart of finishing process.

7.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Show the clippings of Weaving Process
2. Show the clippings of looms
3. Arrange expert workshop on textile

8.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	Fibre To Fabric	Bernard P. Carbman	McGraw Hill
2	Elementary Idea Of Textile Dyeing, Printing & Finishing.	Kanwar Varinder Pal Singh	Kalyani Publisher
3	Apparel Quality	Jansce Bubonia	Blackwell Publishing
4	Clothing Textile & Laundry	Sushma Gupta	Kalyani Publisher
5	Clothing Technology	A.MALL, W. RING	Blackwell Publishing
6	Susheela Dantyagi.	Fundamental Of Textile & Their Care	Orient Longmans

B) Software/Learning Websites

1. <http://www.textilefashionstudy.com>
2. <http://www.textilelearner.blogspot.in>

C) Major Equipments/ Instruments with Broad Specifications

1. LCD
2. Visualiser

MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	M	M	H	H	M	H	M	-	M	-	H
CO2	M	M	H	H	M	H	M	M	M	M	M
CO3	M	M	H	H	M	H	M	M	M	M	M
CO4	M	M	H	H	M	H	M	M	M	M	M
CO5	M	M	H	H	M	H	M	M	M	M	M
CO6	M	M	H	H	M	H	M	L	M	L	M
CO7	M	M	H	H	M	H	M	M	M	L	M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
--	--	03	03	--	Max.	--	--	--	--	--	100	100
					Min.	--	--	--	--	--	40	--

1.0 RATIONALE:

To be able to teach a student Art appreciation and how to successfully apply art for fashion designing.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Learn various techniques of paintings.
2. Make contemporary design from it.
3. Develop design for folk art.
4. Analysis of current market trends & inspirations used in it.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Acquire knowledge of Indian & world painting.
2. Acquire knowledge of colour harmony of Paintings.
3. Acquire knowledge of Indian & World Folk designs.
4. Know techniques of painting.
5. Know history, motif & colours of painting.

4.0 COURSE DETAILS:

There are no separate classes for theory as given below. The relevant theory has to be discussed before the practical during the practical sessions.

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics
Unit-I Indian art	1a. Draw the motif of warli. 1b. Explain the history of warli painting. 1c. Explain the motifs & colours of kalamkari. 1d. Explain the history of Rajput painting. 1e. Draw the motif of phad painting.	Study history, motif & colours of 1.1 Warli Painting 1.2 Madhubani painting 1.3 Phad painting 1.4 Rajput painting 1.5 Kalamkari painting
Unit-II World Art	2a. Draw the motif of Egyptian painting. 2b. Explain the history of roman painting. 2c. Draw the motif of Mexican art.	Study of history, motif & colours 2.1 Egyptian- painting 2.2 Roman- painting 2.3 Mexican Art like Tattoos

5.0 ASSIGNMENTS/PRACTICALS/TASKS:

Sr.No.	Unit No.	Practical Exercises (Outcomes in Psychomotor Domain)	Approx. hrs Required.
1	Unit-I Indian art	1.1 Warli Painting 1.2 Madhubani painting 1.3 Phad painting 1.4 Rajput painting 1.5 Kalamkari painting	24
2	Unit-II World Art	2.1 Egyptian- painting 2.2 Roman- painting 2.3 Mexican Art like Tattoos	24
Project on any 2 Indian Art & 1 World Art (Articles in the form of garment/accessories)			--
TOTAL			48

6.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Develop a library of (pictures).
2. Visit to exhibition.
3. Develop art skill of painting, tattoos etc.
4. Collect market rate for various painting technique –

7.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Visit to exhibition for study of Indian & world art.
2. Arrange the work shop.
3. Show different techniques for painting.
4. Show different application in form of articles.

8.0 LEARNING RESOURCES:**A) Books**

Sr.No.	Title of Book	Author	Publication
1	Madhubani	K. Prakash	The design point
2	Kalamkari	K Prakash	The design point
3	The folk art of Rajasthan	Jogendra Saksena	Craft of museum
4	Madhubani	Smita Shirole Yadav	India Pvt. Ltd. Mumbai

B) Software/Learning Websites

1. www.wikipedia.org
2. www.culturalindia.net
3. www.phadchitrakari.com
4. www.phadchitra.com
5. www.crystalink.com
6. www.tattooesily.com

C) Major equipments / instruments with broad specification.

1. Illustration Boards & Visualiser.

9.0 MAPPING MATRIX OF PO'S AND CO'S:

Course outcomes	Programme outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	M	M	L	H	-	M	H	M	-	M	M
CO2	M	M	-	M	L	H	H	M	L	M	M
CO3	M	H	-	H	L	H	M	M	L	M	M
CO4	M	M	L	H	L	M	H	M	L	M	M
CO5	M	M	M	M	M	L	L	M	L	M	M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)
COURSE : Apparel Construction (ALC) **COURSE CODE:** 6262

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
--	--	08	08	--	Max.	--	--	--	50	--	100	150
					Min.	--	--	--	20	--	40	--

1.0 RATIONALE:

This course introduces student with drafting paper pattern use of dart manipulation for draft innovative pattern for various basic garments of different age group. The course adds confidence, foresight good judgment & speed to perform various stages of adopting basic pattern to working pattern & finally to master pattern.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Learn use of dart manipulation for draft innovative pattern.
2. Learn Identify equipments and tools used for giving a finished touch to the apparel.
3. Select seams, stitches, closures for the given pattern.
4. Design & stitch as per customer demand.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Acquire and develop knowledge of style lines.
2. Adapt changes on basic patterns and develop various stylized paper patterns.
3. Develop good judgments for advanced patterns with respect to cutting paper pattern.
4. Select appropriate materials suitable for the garment
5. Know how to cut garment by doing economical layout
6. Know the step by step stitching procedure
7. Add finishing touch and estimate the price of garment

4.0 COURSE DETAILS:

There are no separate classes for theory as given below. The relevant theory has to be discussed before the practical during the practical sessions.

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics
Unit-I Dart Clusters & Dart Equivalents	1a What is dart manipulation? 1b Why single dart are using in the garment? 1c Which types of pattern we are using single dart? 1d What is dart cluster?	1.1 Study of Dart manipulation through slash and spread technique. 1.2 Use of Single Dart Series 1.3 Types of dart manipulation 1.4 Study & use of dart cluster
Unit-II Graduated & Radiating Darts & Parallel Darts	2a. What is parallel dart? 2b. Draw any design of top using parallel dart. 2c. Do the pattern plot & manipulation of Graduated dart. 2d. Which dart is used for parallel dart?	2.1 Study & use of Graduated & Radiating Darts 2.2 Study & use of parallel dart 2.3 Study of dart manipulation.
Unit-III	3a. Which dart using in the	3.1 Study & use of Asymmetric Darts &

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics
Asymmetric Darts & Intersecting Darts	Intersecting Darts? 3b. Write the design analysis of asymmetric dart. 3c. Do the manipulation of intersecting dart.	Intersecting Darts 3.2 Study of various designs of asymmetric darts & Intersecting Darts.
Unit-IV Plain Choli/ Katori Choli	4a. Describe the seam & seam finishes for katori choli/plain choli. 4b. How many parts stitched in katori choli? 4c. How many darts stitch in plain choli?	4.1 step by step stitching procedure 4.2 special seams and seam finishes in an outfit 4.3 add finishing touch and estimate the price of garment 4.4 select appropriate materials suitable for the garment
Unit-V Salwar / Dhoti / Patiyala	5a. Which types of material mostly used in Patiala? 5b. Which type of seam is stitch in Salwar / Dhoti / Patiyala?	5.1 Step By Step Stitching Procedure 5.2 Special Seams And Seam Finishes In An Outfit 5.3 Add Finishing Touch And Estimate The Price Of Garment 5.4 Select Appropriate Materials Suitable For The Garment
Unit-VI Halter	6a. Which block is use for Halter dress? 6b. Write the stepwise finishing process of halter.	6.1 Step By Step Stitching Procedure 6.2 Special Seams And Seam Finishes In An Outfit 6.3 Add Finishing Touch And Estimate The Price Of Garment 6.4 Select Appropriate Materials Suitable For The Garment
Unit-VII Chudidar	7a. Why chudidar cut on bias fold? 7b. Draw any two designs of chudidar. 7c. Draft chudidar block with appropriate measurement.	7.1 Step By Step Stitching Procedure 7.2 Special Seams And Seam Finishes In An Outfit 7.3 Add Finishing Touch And Estimate The Price Of Garment 7.4 Select Appropriate Materials Suitable For The Garment
Unit-VIII Cowl Top	8a. Why cowl cut on bias fold? 8b. Draw any two designs of cowl top. 8c. Write the types of cowl. 8d. Do the pattern plot & manipulation of any type of cowl.	8.1 Step By Step Stitching Procedure 8.2 Special Seams And Seam Finishes In An Outfit 8.3 Add Finishing Touch And Estimate The Price Of Garment 8.4 Select Appropriate Materials Suitable For The Garment
Unit-IX Kameez	9a. Draft kameez block. 9b. Write the stitching process of kameez. 9c. Which dart is stitch in kameez?	9.1 Step By Step Stitching Procedure of kameez. 9.2 Special Seams And Seam Finishes In An Outfit. 9.3 Add Finishing Touch And Estimate The Price Of Garment 9.4 Select Appropriate Materials Suitable For The Garment

5.0 ASSIGNMENTS/PRACTICALS/TASKS:

Sr.No.	Unit No.	Practical Exercises (Outcomes in Psychomotor Domain)	Approximate hours required.
1	Unit-I Dart clusters & dart equivalents	Dart clusters & dart equivalents 1.1 Waist Cluster 1.2 Dart Cluster 1.3 Tuck Dart Cluster 1.4 Pleat Cluster 1.5 Shoulder Cluster 1.6 Centre front Bust Cluster	08
2	Unit-II Graduated & Radiating Darts & Parallel Darts	Graduated & Radiating Darts 2.1 Graduated Darts 2.2 Radiating Darts 2.3 Parallel Darts 2.4 Parallel French Darts 2.5 Parallel Darts at Neck 2.6 Parallel Darts –Cape effect	08
3	Unit-III Asymmetric Darts & Intersecting Darts	Asymmetric Darts 3.1 Asymmetric Radiating Dart 3.2 Asymmetric Curved Darts 3.3 Asymmetric Darts Variation 3.4 Intersecting Darts 3.5 Intersecting Darts to waist 3.6 Intersecting Darts with gathers	10
4	Unit-IV Plain Choli/ Katori Choli	4.1 Prepare full size paper pattern of Plain Choli/ Katori Choli 4.2 Cutting & stitching of innovative pattern of Plain Choli/ Katori Choli	12
5	Unit-V Salwar / Dhoti / Patiyala	5.1 Prepare full size paper pattern of Salwar / Dhoti / Patiyala 5.2 Cutting & stitching of innovative pattern of Salwar / Dhoti / Patiyala	18
6	Unit-VI Halter	6.1 Prepare full size paper pattern of Halter (Western Wear & Sleeve & Neckline) 6.2 Cutting & stitching of innovative pattern of Halter	18
7	Unit-VII Chudidar	7.1 Prepare full size paper pattern of Chudidar 7.2 Culottes Cutting & stitching of innovative pattern of Chudidar	14
8	Unit-VIII Cowl Top	8.1 Prepare full size paper pattern of Cowl Top 8.2 Cutting & stitching of innovative pattern of Cowl Top (any one) (High relaxed cowl, Mid- depth cowl, Low Cowl, Deep Cowl, TYPES OF Back Cowl, One Piece Armhole Cowls, Pleated Cowls, Pleated Shoulder Cowl) Note: assignments should be done in the group	18
9	Unit-IX Kameez	9.1 Prepare full size paper pattern of innovative pattern of Kameez 9.2 Cutting & stitching of innovative pattern of kameez.	22
TOTAL			128

6.0 SUGGESTED STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Collect different design of above patterns.
2. Draft, cut & stitch above patterns.
3. Group discussion for selection of appropriate material, closure & embellishments.
4. Make stitching flow charts on above patterns
5. Study the trends of the accessories & design & make for above patterns.

7.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Show the clippings of stitching process of garments.
2. Collections of clipping for showing the application of seams.
3. Show the different types of designs for innovative ideas for designing.

8.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	Pattern Making	Armstrong	Prentice Hall
2	Metric pattern cutting for women's wear	Winifred Aldrich.	Wiley Blackwell
3	Dress pattern making	Natalie Bray.	Wiley Blackwell

B) Software/Learning Websites

1. <http://www.only-ladies.com/2012/05/how-to-sewstitch-salwar-kameez-step-by.html>

C) Major Equipments/ Instruments with Broad Specifications

1. Single needle Lock stitch machine
2. Scissors
3. T shape ruler, I shape ruler
4. Hip curve, neck curve
5. Scale triangle
6. Model form
7. Table with felted tops
8. Steam iron

9.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	M	M	M	M	M	M		L		-	M
CO2	M	M	M	M	M	M	M	M		-	M
CO3	M	M	M	M	M	M	M	M	H	M	M
CO4	M	H	M	H	M	M	M	M	M	M	M
CO5	M	M	M	M	M	M	M	H	H	H	M
CO6	M	H	M	M	M	M	M	H	H	-	M
CO7	M	M	M	M	M	M	M	M	H	H	M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
--	--	02	02	--	Max.	--	--	--	--	50	50	100
					Min.	--	--	--	--	20	20	--

1.0 RATIONALE:

Professional skills are one of the most important skills of technical students hence this curriculum goals at developing the professional abilities of the students. As professional skills play a decisive role in the career development, corporate communication and entrepreneurship this course will guide and helpful to develop a good personality, professional mannerisms and effective communication too. This course is compiled with an aim of shaping minds of engineering students while catering to their needs.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Understand & use basic concepts of Communication in an organisation and social context.
2. Use reasonably and grammatically correct English language with reading competency.
3. Utilise the skills to be a competent communicator.
4. Develop comprehension skills, improve vocabulary, and acquire writing skills.
5. Overcome language and communication barriers with the help of effective communication techniques.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Apply the process and identify types Of Communication for being an effective communicator
2. Identify the barriers in the communication process and apply ways to overcome them
3. Observe and interpret graphical information precisely
4. Acquire formal written skills for business correspondence.
5. Enhance listening & reading skills for improving competencies in Communication.
6. Pronounce sounds with correct stress and intonation in day to day Conversations.
7. Construct correct grammatical sentences in oral and written communication.

4.0 COURSE DETAILS:

Unit No.	Major Learning Outcomes	Topic & Subtopic
Unit-I Oral Presentation	1a. Why presentation planning is important? 1b. How identifying the audience helps the speaker to convey the proper information? 1c. Explain the different presentation techniques for successful presentation?	1.1 Oral Presentation skill 1.2 Objectives of presentation <ol style="list-style-type: none"> a. Plan b. Identify the audience c. Structure <ul style="list-style-type: none"> • Sequential argument • Question oriented • Pyramids • Beginning –middle-end d. Visual Aids e. The delivery <ul style="list-style-type: none"> • Voice & voice modulation

Unit No.	Major Learning Outcomes	Topic & Subtopic
		<ul style="list-style-type: none"> • Technique of speech f. physical attributes of the speaker <ul style="list-style-type: none"> • The eyes • Expression • Appearance • Posture • Gesture g. Technique of presentation <ul style="list-style-type: none"> • Practice • Verbal and Non verbal feed back • Arranging the room
Unit-II International Communication	2a. How 'culture' plays the important role in international communication? 2b. What precautions one should take in international communication?	2.1 Own culture & other culture 2.2 Verbal & non verbal behaviours 2.3 Dining etiquettes 2.4 Affective v/s natural 2.5 Cultural sensitivity 2.6 Cross Language 2.7 Labelling people 2.8 Flexibility of language
Unit-III Communication Barriers	3a. Explain the different types of communication barriers? 3b. Suggest some different ways to overcome from the communication barriers?	3.1 Language – code mixing and code switching 3.2 Deferment Language 3.3 Slang 3.4 Grammatical Errors 3.5 Limited knowledge of language 3.6 Vocabulary 3.7 Complicated language 3.8 Technical Language 3.9 Accent-tone and stress 3.10 Psychological 3.11 Mood 3.12 Mental Preoccupation 3.13 Prejudice 3.14 Trust / mistrust 3.15 Selective listening 3.16 Status of listener 3.17 External Choices
Unit-IV Memory Skills	4a. Explains the memory types, with appropriate examples	4.1 MEMORY AND effective learning and study strategies <ul style="list-style-type: none"> • Memory types and covert strategies
Unit-V Ethics	5a. How ethics are important in communication? 5b. Discuss the different codes of ethics?	5.1 Introduction 5.2 Basics of ethics 5.3 Individual & ethics-issues 5.4 Code of ethics 5.5 Conclusion
Unit-VI Motivation	6a. Why motivation is important? 6b. What is the difference between self motivation and external motivation?	6.1 Introduction 6.2 Theories of motivation 6.3 Self motivation and contributing 6.4 Attitude and attitude replacement 6.5 Conclusion
Unit-VII	7a. How time plays	7.1 Introduction

Unit No.	Major Learning Outcomes	Topic & Subtopic
Management	important role in management? 7b. What is necessary in successful management?	7.2 Activity 7.3 Event 7.4 Task/project 7.5 System 7.6 Task Management 7.7 Conclusion

5.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):

Not applicable

6.0 ASSIGNMENTS/PRACTICALS/TASKS:

Sr. No.	Unit No.	Practical Exercises (Outcomes in Psychomotor Domain)	Hours
1	I	Give the students a topic for presentation and ask them to make power point and oral presentation	08
2	II	International Communication <ul style="list-style-type: none"> Give the practice of Mock interviews Conduct Mock interviews for multinational companies 	06
3	III	Communication Barriers <ul style="list-style-type: none"> Show them videos, ask them to observe and make a list of reasons for failures of communication. 	06
4	IV	MEMORY AND effective learning and study strategies <ul style="list-style-type: none"> Practice Memory games to increase students memory 	04
5	VI	Motivation <ul style="list-style-type: none"> Ask students to collect motivational stories, incidence, videos, speeches, etc 	04
6	V & VII	Management <ul style="list-style-type: none"> Assign a group activity and note the managerial skills and the code of ethics followed by the students 	04
TOTAL			32

7.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Prepare charts on types of communication/ barriers of communication
2. Convert language information in graphical or nonverbal codes.
3. Maintaining own dictionary of difficult words, words often confuse, homophones & homonyms.
4. Listening daily English news on television or radio & to summarise it in their language.

8.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Use audios of correct pronunciations.
2. show videos about use of body language in oral formal conversations

9.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	Effective English Communication	Krishna Mohan and Meenakshi Raman	Tata McGraw Hill Publishing Co. Ltd.
2	English for practical purpose	Z.N. Patil	Macmillan
3	Spoken English	Basal and Harrison	Orient Longman
4	Contemporary English Grammar	R.C. Jain	Macmillan
5	Contemporary English Grammar	David Green	Macmillan
6	Business correspondence and Report writing	R.C. Sharma and Krishna Mohan	Tata McGraw Hill Publishing
7	English Communication for Polytechnics	S. Chandrashekhar & others	Orient Black Swan
8	Active English Dictionary	S. Chandrashekhar & others	Longman

B) Software/Learning Websites

1. <http://www.communicationskills.co.in>
2. <http://www.mindtools.com>
3. <http://www.communication.skills4confidence>
4. <http://www.goodcommunication skills.net>
5. <http://www.free-english-study.com/>
6. <http://www.english-online.org.uk/>
7. <http://www.englishclub.com>
8. <http://www.learnenglish.de>
9. <http://www.talkenglish.com/>
10. <http://www.englishgrammarsecrets.com>
11. <http://www.myenglishpages.com/>
12. <http://www.effective-business-letters.com/>
13. <https://www.englishlistening.com/>
14. <https://www.class-central.com>

C) Major Equipments/ Instruments with Broad Specifications

1. Digital English Language Laboratory.
2. Computers for language laboratory software
3. Headphones with microphone

10.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	L	L					L	L	H		M
CO2	L	L			L			L	H		M
CO3	M	L		L		L	L	L	H		M
CO4	L	M			L			L	H		M
CO5	M	L					L	L	H		M
CO6	L	M			L			L	H		L
CO7	M	L					L	L	H		M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)

COURSE : Basic and Regional Embroidery (BRE)

COURSE CODE : 6264

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
04	--	05	09	03	Max.	80	20	100	50	--	100	250
					Min.	32	--	40	20	--	40	--

1.0 RATIONALE:

Designs today depend extensively on enhancements of fabric surface and this can be done with adept use of Indian embroidery and different kinds of embellishments. The purpose is to apply knowledge of this course in the course of Design Process.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Add value to the end products with traditional techniques of value addition.
2. Learn selection of appropriate raw materials to develop the art of embroidery

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Study the references of Indian embroidery origin.
2. Acquire knowledge of tools and their functions used for embroidery.
3. Learn design charting techniques.
4. Learn different design transferring techniques.
5. Acquire knowledge of stitch families used in embroider.
6. Acquire knowledge of Indian traditional embroidery for design inspiration.
7. Acquire knowledge of developing contemporary design from traditional.

4.0 COURSE DETAILS:

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
Unit-I Introduction to Origin of Indian Embroidery and Tools Used and their Functions.	1a. Describe the functions of different tools for embroidery 1b. State the highlights of origin of embroidery	1.1 Study of tools and their functions 1.2 Brief study of origin of Indian embroidery	12
Unit-II Design Transferring Techniques	2a. Describe various methods used for design transferring. 2b. Describe the precautions to be taken while design transferring.	2.1 Traditional transferring techniques 2.2 Modern transferring techniques	04
Unit-III Charting of Design	3a. State the coding of design with thread plies, stitches, colours.	3.1 Coding of design 3.2 Application of charting on design	04
Unit-IV Introduction to Stitch Family	4a. Classify the stitches according to their features.	4.1 Categorization of stitches in families 4.2 Features of stitch families	06

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
Unit-V Chikankari of Uttar Pradesh	5a. Justify the fabrics used for Uttar Pradesh embroidery. 5b. Discuss Origin, threads, colours, stitches for Uttar Pradesh embroidery.	5.1 Origin, material, threads, colours, stitches. 5.2 Motifs 5.3 Types of Chikankari	10
Unit-VI Kashmiri Embroidery	6a. Distinguish between types of Kashmir embroidery. 6b. Discuss Origin, threads, colours, stitches for Kashmir embroidery.	6.1 Origin, material, threads, colours, stitches. 6.2 Motifs 6.3 Types of Kashmiri 6.4 Embroideries	10
Unit-VII Kutch Embroidery of Gujarat Kathiawar Embroidery of Gujarat	7a. List the embroidery of Kutch and Kathiawar 7b. State the features of Kutch embroidery 7c. State the features of Kathiawar embroidery. 7c. Discuss Origin, threads, colours, stitches of each category for Gujarat embroidery.	Kutch embroidery of Gujarat 7.1 Mochi bharat-material, stitches, motifs, article 7.2 Ahir bharat- material, stitches, motifs, article 7.3 Kanbi bharat- material, thread, colours, stitches, motifs, article 7.4 Rabari work- material, thread, colours, stitches, motifs, artical Kathiawar Embroidery of Gujarat 7.1 Heer Bharat -Thread, colours, stitches, motifs 7.2 Abhia Bharat - Thread, colours, stitches, motifs 7.3 Chain stitch embroidery - colours, stitches, motifs 7.4 Sindhi Taropa - stitches, motifs 7.5 Appliqué work- motifs 7.6 Moti Bharat - colours, stitches, motifs 7.7 Present day status-	10
Unit-VIII Zardozi Embroidery	8a. State the Tools and Process for zardozi 8b. State the Materials and Motifs used for zardozi	8.1 Origin, techniques of zardozi, 8.2 Materials study 8.3 Study of Motifs 8.4 Tools and Process	08
TOTAL			64

5.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):

Unit No.	Unit Title	Distribution of Theory marks			
		R Level	U level	A and Above levels	Total Marks
I	Introduction to tools of embroidery and their functions.	04	04	--	08
II	Design transferring techniques	04	04	--	08
III	Charting of design	--	02	02	04
I	Introduction to stitch family	02	02	--	04
V	Chikankarry of Uttar Pradesh	04	04	08	16
VI	Kashmiri Embroidery	04	04	08	16
VII	Kutch embroidery of Gujarat & Kathiawar Embroidery of Gujarat	04	04	08	16
VIII	Zardozi Embroidery	04	04	--	08
	TOTAL	26	28	26	80

Legends: R= Remembrance (Knowledge); U= Understanding; A= Application & Above level (Revised bloom taxonomy)

Note: This specification table shall be treated as general guidelines for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.

6.0 ASSIGNMENTS/PRACTICALS/TASKS:

Sr.No.	Unit No.	Practical Exercises (Outcomes in Psychomotor Domain)	Approximate hours required.
1	IV	Developing one product on stitch family	20
2	V to VIII	Study of colour combination stitches and motifs and developing any three products.	40
3	V to VIII	Development of contemporary design from any one of unit 5-8	20
		TOTAL	80

7.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Market survey to study the different brands of materials
2. Visit to boutique or retail shops to see application of embroidery
3. Visit to art exhibition for study of embroidery
4. Collection of photographs of embroidery application and market prices of application.

8.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Show clippings/PPT of embroidery
2. Arrange expert workshop
3. Arrange visit to art exhibition for study of embroidery
4. Show different application in form of articles

9.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	Indian embroidery	Jamila Brij Bhushan	Star book
2	Inspiration	K Prakash	Dover publication
3	Encyclopaedia of embroidery	Dover	Dover publication
4	A-Z of Embroidery Stitches	Country Bumpkin	Search press classics
5	Dictionary of Embroidery Stitches	Mary Thomas	
6.	Ethnic embroidery of India- Part A	Usha Srikant	Priyavrat Goyanka South pacific export company private ltd.
7.	Ethnic embroidery of India- Part B	Usha Srikant	Priyavrat Goyanka South pacific export company private ltd.
8.	Traditional embroideries of India	Shailaja Naik	APH

B) Software/Learning Websites

1. <http://www.craftandartisans.com/embroidery>
2. <http://www.indian-heritage.org/artcraft/stitches.html>
3. https://en.wikipedia.org/wiki/Embroidery_of_India

C) Major Equipments/ Instruments with Broad Specifications

1. Embroidery frame, needle, thread, scissors etc.

10.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	-	H	M	M	M	H	H	L	H	-	H
CO2	H	H	H	H	-	H	M	L	M	-	M
CO3	H	-	-	H	-	H	M	M	M	M	H
CO4	M	H	M	H	-	H	L	M	L	M	M
CO5	-	M	M	H	L	H	-	L	M	-	H
CO6	-	H	H	-	L	H	H	M	M	-	H
CO7	-	H	M	-	H	H		M	-	-	

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)
COURSE : Tools and Machines for Apparel Construction(TMC) **COURSE CODE** : 6265

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
04	--	--	04	03	Max.	80	20	100	--	--	--	100
					Min.	32	--	40	--	--	--	--

1.0 RATIONALE:

This course introduces student with various types of equipments and machineries used in the garment industries. Fashion designers manufacturers and retail product developers understands the standards that maximize the speed as well as the quality of product by use of various industrial machines.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Analyze the tools for clothing technique.
2. Identify various garment Pressing equipments and their applications.
3. State the structure and uses of different garment processing machines.
4. State uses of different types of sewing machines
5. Learn the machines used in garment production.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Acquire and develop knowledge of Sewing Machine
2. Acquire and develop knowledge of sewing machine attachments.
3. Gain the knowledge of Cutting, Sewing and Pressing of fabric / garment in the manufacture of Clothing in factories and Garment processing.
4. List the properties of threads.
5. State the functions of different work aids.

4.0 COURSE DETAILS:

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
Unit-I Function Of Sewing Machine Thread & Needle	1a. Explain terminology of needle. 1b. Write different needle points with diagram. 1c. Explain thread sizing system. 1d. Explain thread finishes. 1e. Write the introduction of thread. 1f. Explain the types of thread. 1g. Explain various types of thread packing	1.1 Choosing Needle & thread for types of Fabric 1.2 Sewing Machine needles a. Characteristics & terminology b. Needle sizes c. Needle points 1.3 Sewing thread: 1. Introduction of thread 2. Thread finishes 3. Sizing system 4. Thread cost 5. Ticket number 6. Types of thread a. Industrial thread b. Spun nylon c. Cotton thread d. Polyester thread e. Embroidery thread	12

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
		7. Packing of threads	
Unit-II Spreading & Cutting	2a. Write the types of lay. 2b. What are fabric packages? 2c. Enlist the types of spreading. 2d. Explain the methods of spreading 2e. List out the name of Spreading equipments & write the use. 2f. Explain the Methods of cutting 2g. Which factors affecting to cutting quality? 2h. Enlist the name of cutting machines 2i. What is Notchers? 2j. Explain the types of cutting machines.	2.1 Spreading <ol style="list-style-type: none"> Types of lay Presentation of fabric/fabric packages Requirements of spreading process Form of spreading/types of spreading Methods of spreading Spreading equipments 2.2 The cutting of the fabric <ol style="list-style-type: none"> Methods of cutting Objectives of cutting cutting quality & factors affecting cutting quality Types of cutting Machine <ol style="list-style-type: none"> Straight Knife, Round Knife Band Knife, Notchers, Computer Controlled Cutting Machine Die Cutting Laser cutting 	12
Unit-III Industrial Sewing Machine	3a. Describe the function of overlock machine 3b. List out the name of Basic Sewing machine 3c. Write the difference between blind what is stitch & bartacking machine 3d. What is Machine work aids? 3e. What is stacker?	3.1 Types of Basic Sewing machine <ol style="list-style-type: none"> Overlocking Blind stitch machine Buttonholes Bartacking Button sewing Lockstitch 3.2 Machine work aids <ol style="list-style-type: none"> Machine beds Machine table Bundle clamp Stacker 	12
Unit-IV Sewing Technology	4a. Explain the Principle of material feed 4b. Write the types & use of feed dog. 4c. Describe the feed system. 4d. Enlist the types of presser foot. 4e. Explain the types of presser foot.	4.1 Principle of material feed / feeding mechanism 4.2 Types of feed dog 4.3 Types of feed system <ul style="list-style-type: none"> -drop feed -differential feed -needle feed -unison feed -compound feed 4.4 Machine attachments <ol style="list-style-type: none"> Types of Presser foot <ol style="list-style-type: none"> zipper foot with types Shirring foot gathering foot. Compensating feet fabric guides folders <ol style="list-style-type: none"> lap fell seam folder 	12

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
		b. hem folder c. single turn tape binder d. right- angle double fold binder	
Unit-V Pressing	5a. Write the purpose of pressing Categories of pressing. 5b. List out the Pressing equipments. 5c. Write the methods of pressing. 5d. What is the use of iron? 5e. Write the difference between steam press & carousel press. 5f. Explain the methods of pressing.	5.1 The pressing PROCESS & components of pressing 5.2 Pressing equipments & methods a. Scissor press b. Steam Presses c. Carousel press d. Trouser press-Double legger e. Steam air finisher for trousers f. Pleating g. Permanent Press	10
Unit-VI Fusing	6a. Write the equipments for fusing. 6b. Describe the methods of fusing. 6c. Why quality control is important for fusing?	6.1 Fusing equipments & methods 6.2 Fusing Condition 6.3 Quality control & fused assemblies	06
		TOTAL	64

5.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):

Unit No.	Unit Title	Distribution of Theory marks			
		R Level	U level	A and Above levels	Total Marks
I	Function of sewing machine thread & needle	04	08	02	14
II	Spreading & cutting	04	08	02	14
III	Sewing machine	04	08	02	14
IV	Equipments & methods for sewing	04	08	02	14
V	Pressing	04	08	02	14
VI	Fusing	04	06	00	10
	TOTAL	24	46	10	80

Legends: R= Remembrance (Knowledge); U= Understanding; A= Application & Above level (Revised bloom taxonomy)

Note: This specification table shall be treated as a general guidelines for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.

6.0 SUGGESTED STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Group work of needle & thread collection.
2. Study the work aids & machine attachments apart from the mentioned in the curriculum
3. Search the feed mechanism used by different apparel industries.
4. Collection of fusing materials.

7.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Show the videos of working of machine
2. Show the videos of threading of machine.
3. Visit to unit of apparel production industry for studying the machine attachments.
4. Show the clipping of pressing & automated workstation.
5. Show the available machines at the department to students.

8.0 LEARNING RESOURCES:**A) Books**

Sr.No.	Title of Book	Author	Publication
1	Design of textile machines	Fazal Ali Khan	Random publication
2	Introduction to clothing manufacturing	Gerry Cooklin	Blackwell
3	Technology of clothing manufacture	David J. Tyler	Blackwell
4	Apparel manufacturing	--	--

B) Software/Learning Websites

1. www.coatindustrial.com
2. www.assignmentpoint.com
3. www.textilelearner.blogspot.com
4. www.garmentsmerchandising.com

C) Major Equipments/ Instruments with Broad Specifications

1. LCD projector
2. Visualiser
3. Straight knife cutting machine
4. Round knife cutting machine

9.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	M	M	H	M	M	M		M	M		M
CO2	M	M	H	M	M	M		M	M		M
CO3	M	M	H	M	H	M	M	M	M	H	M
CO4	M	M	H	M	M	M	M	-	M		M
CO5	M	M	H	M	M	M	M	L	M		M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in CE / ME / PS / EE / IF / CM / EL / AE / DD / ID
COURSE : Environmental Studies (**EVS**) **COURSE CODE** : 6302

TEACHING AND EXAMINATION SCHEME:

TEACHING AND EXAMINATION SCHEME												
Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
--	--	02	02	--	Max.	--	--	--	--	--	50	50
					Min.	--	--	--	--	--	--	20

1.0 RATIONALE:

Environment essentially comprises of our living ambience, which gives us the zest and verve in all our activities. The turn of the twentieth century saw the gradual onset of its degradation by our callous deeds without any concern for the well being of our surrounding we are today facing a grave environmental crisis.

It is therefore necessary to study environmental issues to realize how human activities affect the environment and what could be possible remedies or precautions which need to be taken to protect the environment.

The curriculum covers the aspects about environment such as Environment and Ecology, Environmental impacts on human activities, Water resources and water quality, Mineral resources and mining, forests.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Understand and realize nature of the environment, its components, and inter-relationship between man and environment.
2. Understand the relevance and importance of the natural resources in the sustainability of life on earth and living standard.
3. Comprehend the importance of ecosystem and biodiversity.
4. Identify different types of environmental pollution and control measures.
5. Correlate the exploitation and utilization of conventional and non-conventional resources.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Explain uses of resources, their overexploitation and importance for environment
2. Describe major ecosystem
3. Suggest measures for conservation of biodiversity
4. Identify measures for prevention of environmental pollution
5. Describe methods of water management
6. Identify effects of Climate Change, Global warming, Acid rain and Ozone layer
7. Explain Concept of Carbon Credits
8. State important provisions of acts related to environment

4.0 COURSE DETAILS:

There are no separate classes for theory. The relevant theory has to be discussed before the practical during the practical sessions.

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics
Unit-I Importance of Environmental Studies	1a. Define the terms related to Environmental Studies 1b. State importance of awareness about environment	1.1 Definition, Scope and Importance of the environmental studies 1.2 Need for creating public awareness about environmental issues
Unit-II Natural Resources	2a. Define natural resources 2b. Identify uses of natural resources, their overexploitation and importance for environment	2.1 Uses of natural resources, overexploitation of resources and importance for environment 2.2 Renewable and Non-renewable resources 2.3 Forest Resources 2.4 Water Resources 2.5 Mineral Resource 2.6 Food Resources
Unit-III Ecosystems	3a. Define Ecosystem 3b. List functions of ecosystem 3c. Describe major ecosystem in world	3.1 Concept of Ecosystem 3.2 Structure and functions of ecosystem 3.3 Major ecosystems in the world
Unit-IV Biodiversity and its Conservation	4a. Define biodiversity 4b. State levels of biodiversity 4c. Suggest measures for conservation of biodiversity	4.1 Definition of Biodiversity 4.2 Levels of biodiversity 4.3 Threats to biodiversity 4.4 Conservation of biodiversity
Unit-V Environmental Pollution	5a. Classify different types of pollution 5b. Enlist sources of pollution 5c. State effect of pollution 5d. Identify measures for prevention of pollution	5.1 Definition, Classification, sources, effects, and prevention of <ul style="list-style-type: none"> • Air pollution • Water Pollution • Soil Pollution • Noise Pollution 5.2 E- waste management
Unit-VI Social Issues and Environment	6a. Describe methods of water management 6b. Identify effects of Climate Change, Global warming, Acid rain and Ozone Layer 6c. Explain Concept of Carbon Credits	6.1 Concept of sustainable development 6.2 Water conservation, Watershed management. Rain water harvesting: Definition, Methods and Benefits. 6.3 Climate Change, Global warming, Acid rain, Ozone Layer Depletion, 6.4 Concept of Carbon Credits and its advantages
Unit-VII Environmental Protection	7a. State important provisions of acts related to environment	7.1 Importance of the following acts and their provisions: <ul style="list-style-type: none"> • Environmental Protection Act • Air (Prevention and Control of Pollution) Act • Water (Prevention and Control of Pollution) Act • Wildlife Protection Act • Forest Conservation Act • Population Growth: Aspects, importance and effect on environment • Human Health and Human Rights • ISO 14000

5.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):

Not Applicable

6.0 ASSIGNMENTS/PRACTICALS/TASKS:

SR. No.	Unit No.	Practical Exercises (Outcomes in Psychomotor Domain)	Approx. Hrs. required
1	I	Report on Importance and public awareness of Environmental Studies.	04
2	II	Report on Use of natural resources and overexploitation of Resources	04
3	II	Visit /Video Demonstration to Renewable / Non-renewable (wind mill, hydropower station, thermal power station)/ resources of energy.	04
4	II	Visit to polyhouse and writing report on its Effects on agriculture food production.	04
5	III	Assignment/Report on structure and functions of ecosystem.	04
6	IV	Visit to a local area to environmental assets such as river / forest / grassland / hill / mountain and writing report on it.	04
7	V	Group discussion on Environmental Pollution (Air pollution/Water pollution/Soil pollution/Noise pollution/E-waste)	04
8	V	Visit to study recycling of plastic and writing a report on it.	04
9	VI	Visit to Water conservation site / Watershed management site / Rain water harvesting site and writing a report on it.	04
10	VI	Visit to study organic farming/Vermiculture/biogas plant and writing a report on it.	04
11	VI	Video Demonstration /Expert Lecture Report on Climate Change and Global warming	04
12	VII	Write important provisions of Acts related to Environment/ Air (Prevention and Control of Pollution) Act/Water (Prevention and Control of Pollution) Act/ Wildlife Protection Act/ Forest Conservation Act	04
		TOTAL	32

Note: Any Four Visits/ Video Demonstration and Four Reports/Assignments from above list to be conducted.

7.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

- 1) Collect articles regarding Global Warming, Climate Change
- 2) Collect information regarding current techniques, materials etc. in environmental system.
- 3) Tree plantation and maintenance of trees in the Campus.
- 4) Cleanliness initiative (Swachhata Abhiyan)

8.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Course Video
2. Expert Lectures

9.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	Environmental Studies	Erach Bharucha	Universities Press (India) Private Ltd, Hyderabad
2	Environmental Studies	Dr. Suresh K Dhameja	S K Kataria & Sons New Delhi
3	Basics of Environmental Studies	U K Khare	Tata McGraw Hill

B) Major Equipments/ Instruments with Broad Specifications

Not Applicable

C) Software/Learning Websites

Not Applicable

10.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	H	M			M	H					M
CO2	H	M			M	H					M
CO3	H	M	M		M	H			M		M
CO4	H	M		M	M	H		M		M	M
CO5	H	M			M	H					M
CO6	H	M			M	H	M				M
CO7	H	M			M	H					M
CO8	H	M			M	H					M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in ME / PS / EE / IF / CM / EL / AE / DD
COURSE : Industrial Organization and Management (**IOM**) **COURSE CODE** : 6303

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
03	--	--	03	03	Max.	80	20	100	--	--	--	100
					Min.	32	--	40	--	--	--	--

1.0 RATIONALE:

Diploma engineer has to work in organization. One must know how organization works, structure of organization, departments & their roles in organization. One should be familiar with concept of organization & its importance in management.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Understand the concepts of organization.
2. Resolve the major challenges in the design of an effective organizational structure.
3. Develop critical thinking, research, oral and written communication skills.
4. Promote an understanding to create organizational values and satisfy their stakeholders.
5. Know the preventive measures for accidents and safety.
6. Apply the various tools for scientific management.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Identify the organization and its types with ownerships.
2. State the principles of management with different levels.
3. Describe the types of accidents and its measures.
4. Work as a production supervisor and store officer.
5. Co-ordinate the functions of HRM and Marketing departments.
6. Use the practices of CPM/PERT and Supply Chain Management.

4.0 COURSE DETAILS:

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics	Hours
Unit-I Organization and Ownerships	1a. Describe organization and its types 1b. State various types of ownership firms	a. Organization 1.1 Concept of organization 1.2 Types of organization structures as line, line and staff, functional organizational structures, their merits and demerits. b. Ownerships 1.3 Proprietorship 1.4 Partnership, Types of partners, Partnership deed. 1.5 Joint stock companies, Private Limited, Public Limited, Joint Ventures. 1.6 Govt. departments, Govt. undertaking, Public corporation 1.7 Cooperative Organizations 1.8 Merits & demerits of all above mentioned types of ownership.	08

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics	Hours
Unit-II Scientific Management	2a. Explain functions of scientific management 2b. State the principles of management. 2c. Describe different levels of management.	Scientific Management 2.1 Concept and importance of scientific management. 2.2 Principles of Management, Taylor, Fayol's Theories of management. 2.3 Functions of Management, Levels of Management and skills at different levels	06
Unit-III Industrial Developments in India and Industrial Acts	3a. Explain the major areas of Indian industries 3b. Describe types of accidents & safety measures 3c. State provisions of industrial acts.	a. Industrial Developments in India 3.1 Major areas of industry in India (Automobile, Cement, Steel and Agro industries) 3.2 Introduction of WTO and GATT b. Industrial Acts 3.3 Safety Management <ul style="list-style-type: none"> • Causes of accidents • Types of Industrial Accidents • Preventive measures • Safety procedures 3.4 Industrial Legislation - Necessity of Acts, Provisions of following acts: <ul style="list-style-type: none"> • Indian Factory Act • Workman Compensation Act • Minimum Wages Act 	08
Unit-IV Production and Material Management	4a. Explain the types of production systems 4b. Describe the material management techniques 4c. State use of ERP and MRP	a. Production Management 4.1 Concept of production management 4.2 Types of production systems – job, batch and mass 4.3 Merits and demerits of all above production systems b. Material Management 4.4 Inventory Concept, its classification, functions of inventory 4.5 ABC Analysis - Necessity & Steps 4.6 Economic Order Quantity Concept, graphical representation, determination of EOQ 4.7 Standard steps in Purchasing 4.8 Modern Techniques of Material Management- JIT, KANBAN, VSM, LEAN. 4.9 Material Resource Planning (MRP) - Functions of MRP, Input to MRP, Benefits of MRP 4.10 Enterprise Resource Planning (ERP) - Concept, advantages & disadvantages of ERP	10
Unit-V Marketing and Human Resource	5a. Explain the functions of marketing management 5b. Describe selection procedure by HRM	a. Marketing Management 5.1 Concept of marketing management and importance 5.2 Functions of marketing promotion of sales, market segmentation, marketing	08

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics	Hours
Management	dept. 5c. Importance of Employee training	mix, 4P's, and Physical distribution. b. Human Resource Management 5.3 Recruitment selection procedure, Functions of HRM Dept. 5.4 Training of human resources- objectives, importance and methods of training	
Unit-VI CPM/PERT and Supply Chain Management	6a. Explain the importance of CPM/PERT 6b. Describe the need of SCM in industry	a. CPM/PERT 6.1 CPM & PERT – definitions of node, activity, dummy activity, resources, duration, network, earliest start time, earliest finish time, latest start time, latest finish time, float. 6.2 Drawing of network and determination of critical path. 6.3 Analysis of network. b. Supply Chain Management 6.4 Definition and Concept of SCM 6.5 SCM practices- Relational, Vendor Managed Inventory (VMI), Agile Manufacturing and Postponement. 6.6 Green SCM 6.7 Concept of cross docking 6.8 Case study of Wall Mart and Dell Computer	08
		TOTAL	48

5.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):

Unit No.	Unit Title	Distribution of Theory Marks			
		R Level	U Level	A and above Levels	Total Marks
I	a. Organization	--	04	--	04
	b. Ownerships	02	04	--	06
II	Scientific Management	02	04	02	08
III	a. Industrial Developments in India	02	04	--	06
	b. Industrial Acts	04	04	--	08
IV	a. Production Management	02	04	02	08
	b. Material Management	02	04	02	08
V	a. Marketing Management	--	08	--	08
	b. Human Resource Management	02	06	--	08
VI	a. CPM/PERT	02	02	04	08
	b. Supply Chain Management	02	02	04	08
	TOTAL	20	46	14	80

Legends: R = Remembrance (Knowledge); U = Understanding; A = Application and above levels (Revised Bloom's taxonomy)

Note: This specification table shall be treated as a general guideline for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.

6.0 ASSIGNMENTS/PRACTICALS/TASKS:

Not Applicable

7.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Collect the organization structures of manufacturing, cement, pharmacy, electrical, govt. Sectors.
2. Find out the information of above mentioned industries by internet.
3. Collect the rules of industrial acts by ILO websites.
4. Gather information about chain structures of material management by logistics' industries.
5. Collect the information about WTO and GATT by online resources.

8.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Show organization structures of different industries, govt. sectors, private firms, etc.
2. Arrange a visit to industries, govt. offices located at nearby areas.
3. Arrange expert seminar/lectures by a resource person from industry in the area of manufacturing, HRM, Logistics, etc.

9.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	Industrial Engineering & Management	Dr. O. P. Khanna	Dhanpat Rai & Sons New Delhi
2	Industrial Engineering & Management	Banga & Sharma	Khanna Publication
3	Business Administration & Management	Dr. S. C. Saksena	Sahitya Bhavan Agra
4	The process of Management	W. H. Newman E. Kirby Warren Andrew R. McGill	Prentice- Hall
5	Entrepreneurship Development & Management	Dr. R. K. Singal	S. K. Kataria & Sons, New Delhi
6	Production Planning & Control	Dr. R. K. Singal	S. K. Kataria & Sons, New Delhi

B) Software/Learning Websites

1. <https://www.wto.org/>
2. <http://www.gatt.org/>
3. <http://www.worldtradelaw.net/>
4. <http://www.supplychainbrain.com/>
5. <http://www.legallyindia.com/>

C) Major Equipments/ Instruments with Broad Specifications

Not Applicable

10.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1				M							
CO2					L		M				
CO3		M					L				
CO4	L					H					
CO5				L							L
CO6							M				

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in CE / ME / PS / EE / IF / CM / EL / AE / DD / ID

COURSE : Entrepreneurship Development (EDP)

COURSE CODE : 6309

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
01	--	02	03	--	Max.	--	--	--	--	--	50	50
					Min.	--	--	--	--	--	20	--

1.0 RATIONALE:

Globalization, liberalization & privatization along with revolution in Information Technology, have thrown up new opportunities that are transforming lives of the masses. On the global scenario we have abundant physical and human resources which emphasizes the importance and need of entrepreneurship. Talented and enterprising personalities are exploring such opportunities & translating opportunities into business ventures such as- BPO, Contract Manufacturing, Trading, Service sectors etc. The student community also needs to explore the emerging opportunities. It is therefore necessary to inculcate the entrepreneurial values during their educational tenure. This will help the younger generation in changing their attitude and take the challenging growth oriented tasks instead of waiting for white- collar jobs. This course will help in developing the awareness and interest in entrepreneurship and create employment for others.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Identify entrepreneurial opportunity.
2. Develop entrepreneurial personality, skills, values and attitude.
3. Analyze business ideas- project selection.
4. Develop awareness about enterprise management.
5. Take help of support systems like banks, Government, DIC, etc.
6. Prepare preliminary project report.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Develop Entrepreneurial skill by brainstorming games, SWOT analysis, Risk taking games
2. Collect information by Visiting to DIC and Nationalised Banks
3. Interview of successful entrepreneur
4. Learn the success stories from successful entrepreneur.
5. Select product after market survey for product comparison, specifications and feasibility study
6. Prepare preliminary project report

4.0 COURSE DETAILS:

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics	Hours
Unit-I Entrepreneurship, Creativity and Opportunities	1a. Conduct self analysis 1b. Overview of Entrepreneurship 1c. Generating business idea 1d. Search business opportunities	1.1 Concept, Classification & Characteristics of an Entrepreneur 1.2 Creativity and Risk taking. 1.3 Concept of Creativity, brainstorming Risk Situation, Types of risk & risk takers. 1.4 Trade Related opportunities 1.5 Business Idea -Methods and techniques to generate business idea. 1.6 Transforming Ideas in to opportunities 1.7 SWOT Analysis 1.8 Scanning Business Environment	04
Unit-II Business Terminology, Information and Support Systems	2a. Understand Classification of business sectors 2b. Acquiring help from support systems 2c. Planning of business activities	2.1 Types of business and industries, forms of ownership, Franchisee, Export, Network/Multilevel Marketing 2.2 Sources of Information. Information related to project, support system, procedures and formalities 2.3 Support Systems 1. Small Scale Business Planning, Requirements. 2. Statutory Requirements and Agencies. 3. Taxes and Acts	02
Unit-III Market Assessment	3a. Conducting Market survey 3b. Selection of product	3.1 Marketing - Concept and Importance 3.2 Market Identification, Survey Key components 3.3 Market Assessment	02
Unit-IV Business Finance	4a. Understanding terminology of finance 4b. Search and analyse sources of finance 4c. Financial ratio and profitability study	4.1 Cost of Project 4.2 Sources of Finance 4.3 Assessment of working capital 4.4 Product costing 4.5 Profitability 4.6 Break Even Analysis 4.7 Financial Ratios and Significance 4.8 Various govt. /bank schemes of finance (long term and short term)	04
Unit-V Business Plan and Project Appraisal	5a. Prepare a project report 5b. Conduct feasibility study	5.1 Preliminary project report preparation. 5.2 Project Appraisal & Selection Techniques • Meaning and definition • Technical, Economic feasibility • Cost benefit Analysis • Checklist	04
		TOTAL	16

5.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):

Not Applicable

6.0 ASSIGNMENTS/PRACTICALS/TASKS:

The tutorial/practical/assignments/tasks should be properly designed and implemented with an attempt to develop different types of cognitive and practical skills (**Outcomes in cognitive, psychomotor and affective domain**) so that students are able to acquire the competencies.

Note: Here only outcomes in psychomotor domain are listed as practical/exercises. However, if these practical/exercises are completed appropriately, they would also lead to development of **Programme Outcomes/Course Outcomes in affective domain** as given in a common list at the beginning of curriculum document for this programme. Faculty should refer to that common list and should ensure that students also acquire those Programme Outcomes/Course Outcomes related to affective domain.

Sr. No.	Unit No.	Practical Exercises (Outcomes in Psychomotor Domain)	Hours
1	I	Entrepreneurship Awareness- Who am I?/ EOI/ Microlab Exercise	04
2	I	Creativity Exercises/games	02
3	I	Risk taking Exercises/games	02
4	II	Brainstorming/group discussion/problem solving exercises	04
5	III	Business Games and Related Exercises	04
6	II	Interview of an entrepreneur	02
7	IV	Event/task/activity management-group of 4-6 students will work together	04
		AND/OR	
1 to 7	I-IV	3 day Achievement Motivation Training workshop /Entrepreneurship Awareness Program	22
8	V	Visit to DIC/Bank/MSSIDC/MIDC/MPCB/Industry	04
9	V	Prepare a preliminary project report and study its feasibility	06
		TOTAL	32

7.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Assess yourself – are you an entrepreneur? (Self Analysis)
2. Report on
 - interview of successful entrepreneurs (minimum two)
 - interaction with the support systems
 - visit to small scale industry
3. Product survey - select one product and collect all it's related information i.e. specification, price, manufacturer from at least three suppliers/ manufacturers
4. Prepare list of identified opportunities

8.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Conduct 3 days awareness camp for entrepreneurship by professional bodies
2. Arrange a visit to SSI/DIC
3. Arrange Interview / Expert lecture of an entrepreneur

9.0 LEARNING RESOURCES:

A) Books:

Sr.No.	Title of Book	Author	Publication
1	Entrepreneurship Development	E. Gorden K. Natrajan	Himalaya Publishing, Mumbai
2	Entrepreneurship Development	Colombo plan staff college	Tata McGraw Hill Publishing Co. Ltd. New Delhi.
3	A Manual on How to Prepare a Project Report	J. B. Patel D. G. Allampally	EDI STUDY MATERIAL Ahmadabad
4	A Manual on Business Opportunity Identification & Selection	J. B. Patel S. S. Modi	
5	National Directory of Entrepreneur Motivator & Resource Persons.	S. B. Sareen H. Anil Kumar	
6	A Handbook of New Entrepreneurs	P. C. Jain	
7	The Seven Business Crisis & How to Beat Them.	V. G. Patel	
8	Entrepreneurship Development of Small Business Enterprises	Poornima M. Charantimath	Pearson Education, New Delhi
9	Entrepreneurship Development	Vasant Desai	Himalaya Publishing, Mumbai
10	Entrepreneurship Theory and Practice	J. S. Saini B. S. Rathore	Wheeler Publisher, New Delhi
11	Entrepreneurship Development	--	TTTI, Bhopal / Chandigarh
12	Entrepreneurship Management	Aruna Kaulgad	Vikas Publication

B) Software/Learning Websites

Websites-

1. <http://www.ediindia.ac.in>
2. <http://www.dcmsme.gov.in/>
3. <http://www.udyogaadhaar.gov.in>
4. www.smallindustryindia.com
5. www.sidbi.com
6. www.tifac.org.in

C) Video Cassettes /CDs

Sr.No.	SUBJECT	SOURCE
1	Five success Stories of First Generation Entrepreneurs	EDI STUDY MATERIAL Ahmadabad (Near Village Bhat, Via Ahmadabad Airport & Indira Bridge), P.O. Bhat 382428, Gujarat, India P.H. (079) 3969163, 3969153 E-mail : ediindia@sancharnet.in olpe@ediindia.org Website : http://www.ediindia.org
2	Assessing Entrepreneurial Competencies	
3	Business Opportunity Selection and Guidance	
4	Planning for completion & Growth	
5	Problem solving-An Entrepreneur skill	
6	Chhoo Lenge Aasman	
7	Creativity	

D) Major Equipments/ Instruments with Broad Specifications

Not applicable

10.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1			L				L	M			M
CO2					M		M	H	M	M	H
CO3					L		M	L	H	L	M
CO4					L	M	M	M	M	H	M
CO5					H	M	M	H	H	M	M
CO6	L	M	M	M	M	M	H	H	M	H	H

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)
COURSE : Digital Image Design (DID) **COURSE CODE** : 6316

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
--	--	04	04	--	Max.	--	--	--	--	--	50	50
					Min.	--	--	--	--	--	20	--

1.0 RATIONALE:

Designing Croqui, drawing it, and seeing colour variations on computer will be the prime use of fashion. Also creating various basic shapes for collars, creating patterns and designs, buttons and other part using graphic software

2.0 COURSE OBJECTIVES:

The student will be able to

1. Learn computerised accessories and garment designing.
2. Learn Designing Croqui, drawing it, & practicing colour variations on computer.
3. Use tools and palettes effectively and use the key board shortcuts.
4. Create and edit images and text, add shadows, blends to objects create textures.
5. Practice fashion promotion.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Operate different applications of Corel draw like Color management Features, Creation Tools, Create Basic shapes, use fills and outline, blend, modify and transform objects
2. Acquire practical proficiency for work with 2D graphics.
3. Learn how to use all program features for implementation of their own ideas and projects and for poster presentation of various semester projects.
4. Learn the process of creative thinking and its ideas implementation, using graphic program features and its limits.
5. Prepare different garment and accessory designs using different effects.

4.0 COURSE DETAILS:

Unit	Major learning outcome	Topics & Subtopics
Unit-I Basics of Corel-Draw	1a. Demonstrate the basics of Corel draw software and its tools.	1.1 Introduction to Corel-Draw 1.2 Intro. To All Menu & Sub menu.
Unit-II Motif Drawing	2a. Design motifs and repeats using drawing tools.	Intro & use of all Tools 2.1 Pick tool Shape Tool & Its sub Tools 2.2 Crop Tool & Its sub Tools 2.3 Bezier Tool & its sub tools 2.4 Smart Drawing Tool. 2.5 Rectangle Tool, 3point rectangle, Ellipse, 3 point Ellipse 2.6 Polygon Tool, Star, Complex Star tool 2.7 Basic Shapes, Arrow shape flow chart shapes, Banner shapes, call out shapes.
Unit-III Smart Fill	3a. Apply fill effect and text to drawing.	3.1 Text Tool & table tool 3.2 Outline Pen. Outline color, all types of Fill. 3.3 Smart Fill

Unit	Major learning outcome	Topics & Subtopics
Unit-IV Effects Application	4a. Apply effects to garment elements 4b. Design accessories	4.1 Blend, Counter, Distort, drop shadow, transparency, Eye Dropper Paint Bucket

5.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):

Not applicable

6.0 ASSIGNMENTS/PRACTICALS/TASKS:

Sr.No.	Unit No.	Practical Exercises (Outcomes in Psychomotor Domain)	Approx. hrs required.
1	I	1.1 Learn the basic tool box	04
2	II	Draw the bellow motif drawing 2.1 Floral 2.2 Geometrical 2.3 Ethnic 2.4 conversational	08
3	I, II, III, IV	Perform the following in motif with colour effect 3.1 Brick drop 3.2 Half drop 3.3 Creating advertisement (news paper advertisement / leaflet)	08
4	I, II, III, IV	4.1 Necklines drawing with naming with font outline and colour 4.2 Collars drawing and naming with font shaping and elongation 4.3 Skirts and trouser drawing with naming	12
5	I, II, III, IV	5.1 Jewellery drawing using contours, blends and other tools 5.2 Accessories drawing	12
6	I, II, III, IV	6.1 Croqui drawing and dressing up apparel from above made prints(using various tools) using backdrops and applying effects of transparency, shadow, etc.	12
7	I, II, III, IV	7.1 Fur, quilting, embroidery, leather.etc.	08
		TOTAL	64

7.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Collection of garment details library according to assignments.
2. Practice of operating Corel draws for garment and accessories drawing.
3. Visit to advertising agencies for learning innovative use of software.

8.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Following Proper short cut keys as handling instructions of Corel draw
2. Showing vector files for various effects.
3. Making a folder of roll numbers and saving all the assignments in it.
4. Avoiding use of pen drives for safety purpose of data.
5. All assignments should be unique, no duplication allowed.

9.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	Corel Draw: The Official Guide.	Bouton G D ISBN13: 9789339222239	McGraw-Hill Education India Pvt. Ltd - New Delhi
2	CorelDraw Graphics Suite X4 Training Guide	M.C. Sharma ISBN 13 : 9788183333016	B.P.B. Publications

B) Software/Learning Websites

1. Corel draw latest version
2. <http://www.insidegraphics.com>
3. <http://product..com/help/DRAW/540229932/Main/EN/User-Guide/DRAW-X7.pdf>
4. <http://www.me-dt.com/websiteprintablepdfs/howtousedraw.pdf>

C) Major Equipments/ Instruments with Broad Specifications

1. Computer core2 duo with 2GB Ram, Mouse, Keyboard.
2. Visualiser and LCD Projector for demonstration

10.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	M-	H	M	M	--	M	M	M	M	-	H
CO2	--	H	M	M	--	M	M	M	M	-	H
CO3	--	H	M	M	--	M	M	M	M	M	H
CO4	--	H	M	M	--	M	M	M	M	L	H
CO5	M	H	M	M		H	H	H	H	M	H

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)

COURSE : Digital Design (DLD)

COURSE CODE : 6317

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
01	--	02	03	--	Max.	--	--	--	--	--	50	50
					Min.	--	--	--	--	--	20	--

1.0 RATIONALE:

As in every field, use of computer has revolutionized working methods in garment designing. Ease, speed, accuracy, swift transfer of designs and inexhaustible options has put designing on a different level altogether. Software, such as, Reach CAD, Lectra, Tuka etc. have features that include major skills required by a professional in the Industry. From pattern making, to designing textiles and garments, to viewing the fit and look to even PDM, ERP and global sourcing, these software teaches the major requirements of a fashion professional.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Use technology for designing
2. Make patterns on computer
3. Efficiently use software for grading and laying patterns.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Design a collection using CAD software.
2. Prepare pattern using CAD software.
3. Grade patterns using CAD software.
4. Lay marking using CAD software.
5. Create collection and styles by merging photographs

4.0 COURSE DETAILS:

Unit	Major Learning Outcomes	Topics and sub topics	Hours.
Unit-I Fashion CAD	1a. Demonstrate the basics of Photoshop software and its tools.	1.1 E-style sketch studio <ul style="list-style-type: none">• Design creation.• 3D effects• Library accessing (folds, textures, etc.)	03
Unit-II E- Material and Colour Way Studio	2a. Use selection tools for image editing.	2.1 Creation of prints and fabrics	03
Unit-III E- Photo and Draping Studio	3a. Merge photographs with layers. 3b. Make a creation using masking and layer modes.	3.1 Editing of photos and images	02
Unit-IV	4a. Design	4.1 PDS (Pattern Design System)	03

Unit	Major Learning Outcomes	Topics and sub topics	Hours.
Garment CAD Studio	innovative advertisement s using retouching tools.	<ul style="list-style-type: none"> • Pattern generation without digitiser. • Automatic linkage between related parts like armhole and sleeve cap • Adding seam line and allowances 	
Unit-V GGG (Garment Grading System)	5a. create objects and edit using Drawing tools	5.1 Various Grading Method- Proportional Grading, Assistant Line Grading, Parallel Assistant Lines Grading and Curve Line Grading etc, all those can simplify the pattern maker's complicated work, and benefit with high working efficiency 5.2 Modifying tools of grading	02
Unit-VI GMS (Garment Marker System)	6a. add and create text effects	6.1 Auto nesting- efficient markers 6.2 Stripes, plaids and checks matching features when marker laying, one-way or two-way marker layout. Able to display fabric graphic on pattern pieces or cutting pieces in order to easy and have the correct layout. 6.3 Accurate material calculation according to different colors, materials and sizes, precisely report material consumption in order to have tremendous and beneficially with cost effective;	03
TOTAL			16

5.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):

Not Applicable

6.0 ASSIGNMENTS/PRACTICALS/TASKS:

Sr.No.	Unit No.	Practical Exercises (Outcomes in Psychomotor Domain)	Approximate hours required.
1	I, II, III	1.1 Design a seasonal collection using Fashion CAD software (line of 6 garment)	16
2	IV, V, VI	2.1 Draft the patterns for the above collection 2.2 Using GGS grade and lay the patterns for mass production.	16
TOTAL			32

7.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Practice of operating Fashion CAD for designing.
2. Use of colour ways
3. Scanning of textures.
4. Search different forecasting websites.
5. Making tech-pack of above collections

8.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Demonstration of designing software.
2. Demonstration of pattern making software.
3. Demonstration of grading software.
4. Demonstration of laying software.

9.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	User manual of related software		

B) Software/Learning Websites

1. <http://www.reach-tech.com/index0995>
2. http://www.richpeaceinc.com/?page_id=28

C) Major Equipments/ Instruments with Broad Specifications

1. Computer core2 duo with 2GB Ram, Mouse, Keyboard.
2. Visualiser and LCD Projector for demonstration
3. Scanner
4. Windows 2000 operating system with minimum 40 GB hard drive space.
5. Support open GL and direct X Graphic accelerate.

10.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	--	H	M	H	--	M	M	M	M	M	M
CO2	M	H	M	M	--	--	--	M	M	M	M
CO3	M	H	M	M	--	--	--	M	M	M	M
CO4	M	H	M	M	--	--	--	M	M	H	M
CO5	M	M	M	M	-	M	M	M	M	M	M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
01	--	02	03	--	Max.	--	--	--	--	--	50	50
					Min.	--	--	--	--	--	20	--

1.0 RATIONALE:

The course provides the guideline for capital investment in an apparel industry and helps to reduce the loss of an entrepreneur by selecting the right machine as per product requirement. Course will help to study the different machine brands and functions.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Understand section wise garment manufacturing machines
2. Study brands and specifications
3. Select machines for an apparel unit.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Identify and know different garment manufacturing, garment finishing, garment finishing machines, looms and Embellishment machines
2. Explain uses and working of above all machines and their importance.
3. Know the brands of above all machines
4. Select appropriate machines as per apparel products.
5. Analyse specifications for machine selection

4.0 COURSE DETAILS:

There are no separate classes for theory as given below. The relevant theory has to be discussed before the practical during the practical sessions.

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics
Unit-I Garment Manufacturing Machines and Folders	1a. State FUNCTIONS of section wise garment manufacturing machines 1b. Enlist different brands of garment manufacturing machines 1c. Compare the specifications of garment manufacturing machines	1.1 Introduction to garment manufacturing machines and folders as per different sections (cutting, sewing, fusing, heat transfer) 1.2 Segregation of machine as per product 1.3 Study of different machine brands with specification 1.4 Preparing manuals regarding maintenance of machinery & equipment's 1.5 Information regarding industrial accidents & its prevention techniques. 1.6 Machine installation & maintenance. 1.7 Information regarding industrial accidents & its prevention techniques.
Unit-II Garment	2a. Enlist different types of garment finishing machines	2.1 Introduction to garment finishing machines (pressing, thread sucking, blower)

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics
Finishing Machines	2b. Enlist different brands of garment f Enlist different brands of garment manufacturing machines 2c. Study the specifications of garment finishing machines	2.2 Study of different machine brands with specification 2.3 Preparing manuals regarding maintenance of machinery & equipment's. 2.4 Information regarding industrial accidents & its prevention techniques
Unit-III Loom Study	3a. Study the different looms for fabric manufacturing 3b. Draw and label different parts of looms 3c. State the functions of garment finishing machines Define Ecosystem 3d. List functions of ecosystem 3e. Describe major ecosystem in world	3.1 Introduction to different types of looms 3.2 Study of different looms with specification 3.3 Preparing manuals regarding maintenance of machinery & equipment's 1.4 Machine installation & maintenance.
Unit-IV Laundering Machines	4a. State the function of different laundering machines 4b. Enlist different laundering machines	4.1 Introduction to different types of Laundering machines 4.2 Study of different Laundering machines with specification 4.3 Preparing manuals regarding maintenance of machinery & equipment's
Unit-V Embellishment Machines	5a. Categorize the garment embellishment machines 5b. Differentiate the domestic and industrial embellishment machines	5.1 Introduction to different types of Embellishment machines 5.2 Preparing manuals regarding maintenance of machinery & equipment's 5.3 Machine installation & maintenance (screen printing, digital printing, embroidery machine)

5.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):

Not Applicable

6.0 ASSIGNMENTS/PRACTICALS/TASKS:

Sr.No.	Unit No.	Practical Exercises (Outcomes in Psychomotor Domain)	Approx. Hrs. required
1		Assignment/Report on garment manufacturing machine brands with specification section wise	08
2		Assignment/Report on folders	06
3		Assignment/Report on Garment finishing machines	04
4		Assignment/Report on Loom Study	06
5		Assignment/Report on Laundering machines	04
6		Assignment/Report on Embellishment machines	04
		TOTAL	32

7.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Collect fabric swatches manufactured on different looms (e.g. Dobby, jacquard, etc)
2. Prepare models & charts.
3. Collect information regarding models and specifications of machines.
4. Visit to apparel industry/ boutique

8.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Course Video
2. Photographs of machines and looms

9.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	Technology of clothing manufacture	Harold Carr Barbara Latham	Publisher: Wiley, 1994 ISBN0632037482, 9780632037483
2	Garment technology for fashion designers	Gerry Cooklin	Publisher: Wiley, 1997 ISBN0632047755, 9780632047758

B) Software/Learning Websites

1. <http://www.welcogm.com/>
2. <http://www.garmentexporthouse.com/2013/12/machines-used-for-garment-manufacturing.html>
3. <http://www.elitesteam.net/garment-finishing-equipment.html>
4. <http://textilefashionstudy.com/what-is-loom-classification-of-loom/>
5. http://www.democracynow.org/2014/12/8/the_laundering_machine_how_us_corporations
6. <http://www.meissnersewing.com/household/sewing-products/sewing-machines/felting-embellishment-machines>

C) Major Equipments/ Instruments with Broad Specifications

Not Applicable

10.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	M	--	--	H	--	M	--	M	M	-	M
CO2	M	--	--	H	--	M	--	H	M	-	M
CO3	M	--	--	H	--	M	--	L	M	-	M
CO4	M	--	--	--	M	M	--	L	M	-	M
CO5	M	--	--	--	M	M	--	M	M	-	M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)
COURSE : Professional Practices (PPR) **COURSE CODE** : 6410

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme			Examination Scheme									
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
--	--	04	04	--	Max.	--	--	--	--	--	50	50
					Min.	--	--	--	--	--	20	--

1.0 RATIONALE:

Most of the diploma holders join industries. Due to globalization and completion in the industrial and service sectors the selection for the job is based on psychomotor and cognitive skills. While selecting candidates a normal practice adopted is to see general confidence. Attitude and ability to communicate and attitude in addition to basic technological concepts. The purpose of introducing professional practice is to provide opportunity to students to undergo activities which will enable them to develop confidence. Information search, Industrial visits, expert lectures and case study will increase participation of students in learning process.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Understand techniques of data collection.
2. Study professional techniques through industrial visits/ boutique visit and expert lectures.
3. Understand and practice different resume formats, roles and responsibilities of various job opportunities.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Collect technical information from different sources.
2. Write industrial visit reports.
3. Acquire technical knowledge through expert lecture.
4. Develop problem solving techniques through case studies.

4.0 COURSE DETAILS:

Note: There are no separate classes for theory as given below. The relevant theory has to be discussed before the practical during the practical sessions.

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics
Unit-I Information Search and Data Collection	1a. List different career option of DD field 1b. List out various skills required for various job opportunities 1c. report writing on five career options	1.1 Listing of skills required for various job opportunities 1.2 Collection of information regarding different Various career option as below: Boutique owners, Retailer, Wholesaler, Independent Sales Representative, Merchandise Manager, Designer, Pattern Maker, Pattern Grader, Production Manager. 1.3 Detail survey of any five career option with respect to roles and responsibilities.

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics
Unit-II Developing a Business Plan	2a. Prepare proposal for starting small scale industry 2b. Prepare data base for manufacturing product 2c. List out successful entrepreneurs in near- by areas	2.1 Need of planning & Different steps of planning. 2.2 Decide to go into business for yourself. 2.3 Analysis your strength & Weakness. 2.4 Choose the product or service. 2.5 Research the market for your product or service. 2.6 Forecast your market. 2.7 Choose a site for your business. 2.8 Developed your production plan and marketing plan (for BEP). 2.9 Developed your financial plan. Write a cover letter, Project completion 2.10 Preparing a proposal of starting a small scale industry and collecting information regarding different schemes. 2.11 Collection of information to manufacture a product and calculating its market value. 2.12 Survey & interviews of successful entrepreneurs in nearby areas.
Unit-III Industrial Visit.	3a. Develop technical report writing skills on industrial visits 3b. Understand culture of industry 3c. Collect different formats used in industry 3d. Study different technologies used 3e. Understand the working process of different departments of industry	Industrial visits and report writing of : (Any One) 3.1 Manufacturing organizations for observing various manufacturing processes 3.2 Material testing laboratories in industries or reputed organizations 3.3 Boutique 3.4 Embellishment unit 3.5 e-mall for VM and Retail career opportunities 3.6 Local advertising agencies 3.7 Trimming units 3.8 Net surfing and data collection of various fashion weeks, beauty pageants and forecasting sites.
Unit-IV Expert Lectures	4a. Write report on the expert lecture to obtain the professional knowledge	4.1 Expert lectures from professionals/ industries on core domains of DD Programme. (Any One)
Unit-V Case Study	5a. Solve Design problems with respect to aesthetic and functional aspects by case study technique.	5.1 Case Study on designing and elementary textile on different uniforms of various special job profiles (like sports, nurse, military, police, etc.)

5.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):

Not Applicable

6.0 ASSIGNMENTS/PRACTICALS/TASKS:

Sr. No.	Unit No.	Practical Exercises (Outcomes in Psychomotor Domain)	Approx. Hrs. required
1	I	Information search and data collection 1.1 Listing of skills, roles and responsibilities required for various job opportunities	12
2	II	Developing a business plan 2.1 Collection of documents, certificates and its market value required for manufacturing of product. 2.2 Preparing a proposal of starting a small scale industry and collecting information regarding different schemes.	12
3	III	Industrial visits and report writing of : (Any One) 3.1 Manufacturing organizations for observing various manufacturing processes 3.2 Material testing laboratories in industries or reputed organizations 3.3 Boutique 3.4 Embellishment unit 3.5 e-mall for VM and Retail career opportunities 3.6 Local advertising agencies 3.7 Trimming units 3.8 Net surfing and data collection of various fashion weeks, beauty pageants and forecasting sites.	16
4	IV	4.1 Attending Expert lectures from professionals/ industries on core domains of DDGM Programme and report writing.	08
5	V	Case study (Any Two) 5.1 Study of different types of plant layout in workshop and suggest suitable layout. 5.2 Study the various energy saving techniques and suggestion regarding reduction of consumption. 5.3 Identify the location for installing non-conventional energy devices. 5.4 Study different types of tools and select for particular manufacturing process. 5.5 Repair and maintenance of various equipments in mechanical engineering department.	16
TOTAL			64

7.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Collect roles and responsibilities of various posts in industries.
2. Report writing on industrial visits.
3. Collection of videos of visual merchandising and fashion shows.
4. Collect format from banks for starting a small scale unit.

8.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

Not Applicable

9.0 LEARNING RESOURCES:

A) National and international Journals and Magazine.

C) Software/Learning Websites

1. [www.lakmeindia .com](http://www.lakmeindia.com)
2. <http://www.howstuffworks.com>
3. www.slideshare.com.
4. www.ishare.com

D) Major Equipments/ Instruments with Broad Specifications

Not applicable

10.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1		H			H		H	H	H	H	M
CO2	M	H	L	-	M	L	H	H	H	H	H
CO3		H						M	M	H	M
CO4		H			M	M	M	M		H	M
CO5	H	H	H	H	M			M	M	M	H

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment manufacturing (DD)

COURSE : Seminar (**SEM**)

COURSE CODE : 6411

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
--	--	02	02	--	Max.	--	--	--	--	--	50	50
					Min.	--	--	--	--	--	20	--

1.0 RATIONALE:

An engineering technician has to face number of problems / situations in his professional life and he has to convey his ideas through presentation. The involvement of student in the seminar work will help him to plan and execute the related work of searching information from various sources, interact with others, analyze the information, document the content and present.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Develop abilities to search for information
2. Maintain progress of activities in seminar
3. Collect data, information from various resources
4. Develop planning, execution skills
5. Develop skill to communicate the problems and solutions
6. Develop skill to prepare reports
7. Develop presentation skills

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes as applicable to seminar:

1. Know and select seminar topic in engineering program
2. Familiar with maintaining diary for progress of seminar activities
3. Carry out literature survey from various resources
4. Know recent developments in a particular field
5. Develop document preparation skills
6. Use of presentation skill for seminar delivery
7. Keep updated with latest trends

4.0 COURSE DETAILS:

Activity No	Activities	Hours
1	Briefing about selection for seminar topics in class: Discussion in class	02
2	Search seminar topics and approval of topic from guide from searched topics.	04
3	Preparation of Seminar Diary for writing progress	--
4	Collection of data and literature for seminar from: internet / visit / Journals /Books/EBooks	04
5	Preparation of synopsis of seminar topic: print draft copy	04
6	Submission of seminar synopsis to guide (Printed copy)	--
7	Guidance about preparation of document by guide	02
8	Preparation of document by students	06
9	Editing document	04
10	Submission of Seminar and presentation document: Hard copy & Soft copy of power point	02

Activity No	Activities	Hours
11	Submission of diary	--
12	Seminar Presentation	04
	TOTAL	32

5.0 AREAS FOR SELECTION OF SEMINAR:

Sr.No.	Areas For Selection
1	Merchandising of personal brand name
2	Street style inspired collection
3	National & international brands & designers
4	Current fashion events and New fashion trends
5	Closure and fabric study
6	Changes in fashion in India (60s, 70s, 80s, 90s)
7	Industrial engineering
8	Indian cinema study (styles, accessories and embellishment)
9	Globalization of fashion
10	Echo-friendly textiles / fibres
11	Export/ retail players in Indian market
12	Factor affecting lead time in export / retail
13	Domestic brand and labels study
11	Any other topic related to Dress Designing and Garment manufacturing

6.0 SUGGESTED INSTRUCTIONAL STRATEGIES:

Classroom Teaching, Industrial visit, Library Assignment, Home Assignment, Group Discussion, Case Studies.

7.0 LEARNING RESOURCES:

Magazines, Journals, Papers: National & international Reference Books, Internet, Previous seminars, Text Books, Codes of Practices e. g. IS Codes, Video Cassettes, Audio Cassettes, Compact Discs, Charts, Transparencies, Software, Models, Industrial visits

8.0 GUIDELINES FOR SEMINAR:

1. Selection of topic for seminar:

- The student shall search from various resources and get the topic approved
- Topic of seminar should not be exact content of programme curriculum
- Topic of seminar should not be from the project taken by the group or by individual.
- Selection of topic should be finalised in consultation with teacher guide allotted for the seminar.

2. Submission of Seminar Document:

- The student shall get the seminar draft approved from Guide and complete final document.
- Each student shall prepare one hard copy of final seminar document and retain one copy with student and submit two soft copies to the institute one copy for library and other for department.
- The structure of the seminar document shall be as per the following format: Certificate / Acknowledgement / Index / Introduction / Detailed content / Conclusion / References. The photos, charts, animations, certificates from supporting agencies.
- The seminar report shall be of minimum 10 pages and Max. 20 pages with 1.5 line spacing. Font: New Times Roman, left margin 3 cm, right margin 1.5 cm, top margin 2 cm, bottom margin 2 cm, header & footer 1.5 cm, page numbers, size of font 12 pt, paragraphs left and right justified. It should be certified by seminar guide and head of department.

3. Evaluation of Seminar:

Evaluation of seminar will consist of **Progressive Assessment, Presentation**

i. Progressing Assessment:

1. Progressive assessment will be based on attendance, searching of various seminar topics, selection of title, collection of data from internet, Journals, Literatures, organization of data and preparation of document.
2. The student has to get seminar document assessed from guide regularly.
3. The attendance of the student shall carry 05 marks as follows
 - a. Below 75 % : 00 marks
 - b. 75 % and below 80 % : 02 marks
 - c. 80 % and below 85 % : 03 marks
 - d. 85 % and below 90 % : 04 marks
 - e. 90 % and above : 05 marks

ii. Presentation of Seminar:

1. The time for presentation shall be 7 to 10 minutes per student
2. the question answer session time shall be 2 to 3 minutes per student
3. Evaluation of presentation of seminar will be carried out by a panel of teaching staff from institute based on the following point
 - a. Confidence and courage
 - b. Technical knowledge acquired
 - c. Presentation skill
 - d. Use of presentation methods

iii. Marking scheme for Seminar.

Progressive assessment	Confidence and courage	Technical knowledge acquired	Presentation skill	Use of presentation medium	Total
25	05	05	10	05	50

9.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	H							M	M	M	M
CO2		H						M	M	M	H
CO3							M	M	H	M	M
CO4	M					L		M	M	M	M
CO5				L			M	M	H	M	M
CO6			H				H	M	H	M	M
CO7			H					M	M	M	M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and garment Manufacturing (DD)
COURSE : Project (**PRO**) **COURSE CODE** : 6412

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme			Examination Scheme									
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
--	--	04	04	--	Max.	--	--	--	--	50	50*	100
					Min.	--	--	--	--	20	20	--

* Indicates TW to be assessed by external & internal examiners.

1.0 RATIONALE:

An Engineer or technician has to work on various projects in profession or field work. The aim of project is to develop the ability of "learning to learn" on its own, work in team. This would go a long way helping the students in keeping pace with future changes in technology and acquisition of knowledge and skills as and when needed.

The scientific way of solving the problems and ability to apply it to find alternative solutions for the problems will help a technician in his professional life. This course will help to inculcate leadership skills, decision making, participative learning, resource management, cost considerations, documentation and report writing skills with effective communication.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Integrate the knowledge of apparel engineering program
2. Develop the attitude to take scientific steps to find solutions to the Problems
3. Develop attitude to work in team and act as leader of project
4. Develop planning, execution skills
5. Build multidisciplinary concept, cost considerations
6. Understand recent developments in apparel fields and prepare report

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate some of course outcomes as applicable to project

1. Participate effectively in group work
2. Collect, analyse and synthesise the data
3. Conduct a survey and investigate
4. Act as leader for group task
5. Design a collection for a line, theme wise/ season wise
6. Design and construct a designer collection/ haute couture/ Avant garde

4.0 COURSE DETAILS:

Activity No	Activities	Hours
1	Formation of Group	--
2	Selection of Project: Individual/Group discussions	02
3	Decide Strategies/Methodology to carry out project	02
4	Literature Survey/data survey/Analysis	02
5	Submission of synopsis: by each group	02
6	Project activity plan-Defining activities, strategy, duration	02
7	Allocation of work responsibility to individual/team	02
8	Visits to Industries / Institutions / Market/field work/sites	04
9	Collection of Data /Survey/Analysis and Presentation	04
10	Designing of Collection, preparation of drawing and estimates	08
11	Pattern engineering and construction	16

Activity No	Activities	Hours
12	Progressive presentation of work and recording in diary	04
13	Consolidation of work allotted to individual or team	04
14	Presentation of initial draft: pre submission draft	04
15	Final Project Report: Printed: Submission: soft & Hard copy	04
16	Fashion show/ display/ Seminar on presentation of project work by team/group	04
	TOTAL	64

The activities mentioned above shall be monitored and guided by Project Guide every week during the contact hours provided for the same.

The Project is also included with Seminar with the aim to develop certain set communication skills (preparation of report, writing survey report writing Lab. experiment results writing conclusions of the work done and physical phenomenon observed, participating in group discussions, verbally defending the project in the form of Seminar etc.)

5.0 AREAS FOR SELECTION OF PROJECT

These are only guidelines; any project related to Dress Designing and Garment Manufacturing depending upon the availability of projects may be included. Preference should be given to practical oriented projects according to the local needs.

Collection based on market survey/ forecasting of trends of any one line as per theme/ season.

6.0 GUIDELINES FOR PROJECT:

A. Group Formation:

1. The department Head / Incharge should make sure that the project groups are formed within **one week** of the beginning of academic term and assign a faculty as project guide.
2. The students may be asked to work individually or in groups of five students. The group size may be varied in accordance with the effective compliance of project work.
3. The group can decide the leader and distribute work and prepare the group management structure.

B. Finalization of Project Title:

1. The students are expected to take up a project with the guidance of a Project Guide from the institute / Industry Expert / Sponsored by industry, Institute, society, self.
2. The project shall be useful to society.
3. The students can seek help from TPO / HOD / Guide.
4. The group of students / Project guide / Authority shall see the viability / feasibility of project over the duration available with the students and capabilities and setup available.

C. Note:

1. The group / student shall prepare Project Diary with Name of Project, Name of Students in group, their attendance, and daily progress and get assessed from guide from time to time during project hours.
2. The title of the project should be finalized within **two weeks** after the group formation and a synopsis of the project should be submitted to the HOD & guide.
3. An abstract (synopsis) not exceeding 100 words, indicating salient features of the work shall be submitted to guide.
4. Modify format suitably as per requirement of the project.

D. Project Execution:

1. Guide shall monitor the work and help the students from time to time.
2. The progress shall be presented before the guide every week during project hours. The group shall take the signature of guide on Project Diary and Individual Progressive Assessment Sheet.
3. The students shall design parts, prepare their drawing showing all details, and manufacture within the institute / sponsoring industry / workshop in local areas.
4. The guide should maintain a record of progressive / continuous assessment of project work and observe the progress of each group member on weekly basis.
5. The same shall be kept ready for submission to the external examiner before the final examination.

E. Evaluation of Project:

1. The evaluation of individual progress shall be followed as per the chart given.
2. External examiner and guide shall jointly evaluate the project.
3. The project can be evaluated on site if it is difficult to bring or demonstrate the trials in the institute
4. The attendance of the student shall carry 05 marks as follows
 - i. Below 75 % : 00 marks
 - ii. 75 % and below 80 % : 02 marks
 - iii. 80 % and below 85 % : 03 marks
 - iv. 85 % and below 90 % : 04 marks
 - v. 90 % and above : 05 marks
5. The details of project assessment are mentioned in Annexure II

F. Project Report:

1. The student shall get the initial draft copy of the project approved from the Project Guide.
2. Structure: It shall be as follows
 - First page, Institute Certificate, acknowledgment, Certificate from industry, Index, Introduction, objectives of the project, scope of the project, methodology used, Design Drawing of the part and assembly, Costing, Advantages Disadvantages, Bibliography / sources of data collected / Industries visited / Experts interviewed.
 - Various designed part and assembly drawings, photographs, charts, statistical data, result data and conclusions.
 - Future developments possible.
 - CD of video clips / photos / Power Point presentation / expert's comments
3. Each group has to submit one copy of project report to the library and one copy to the department apart from the individual copy.
4. The project report will be of 40 to 50 pages with 1.5 line spacing. Font: New Times Roman, left margin 2 cm, right margin 1.5 cm, top margin 2 cm, bottom margin 2 cm, header & footer 1.5 cm, page numbers, size of font 12 pt, paragraphs left and right justified.
5. Chapters (to be numbered in Arabic) containing Introduction-which usually specifies scope of work and the present developments. Main body of the report divided appropriately into chapters, sections and subsections. The chapters, sections and subsections may be numbered in the decimal form for e.g. Chapter 2, sections as 2.1, 2.2 etc. and subsections as 2.2.3, 2.5.1 etc.
6. The chapter must be left or right justified (font size 16). Followed by the title of chapter centered (font size 18), section/subsection numbers along with their headings must be left justified with section number and its heading in font size 16 and subsection and its heading in font size 14. The body or the text of the report should have font size 12.
7. The figures and tables must be numbered chapter wise.

8. The last chapter should contain the summary of the work carried, contributions if any, their utility along with the scope for further work.
9. Reference OR Bibliography:
The references should be numbered serially in the order of their occurrence in the text and their numbers should be indicated within square brackets for e.g. [4]. [The section on references should list them in serial order in the following format.]
 1. For textbooks – Dr. V. L. Shah & Veena Gore, Limit State Design of Steel Structures, Structures Publications, 1 Edition, 2009.
 2. For papers - David, Insulation design to combat pollution problem, Proc of IEEE, PAS, Vol 71, Aug 1981, pp 1901-1907.
 3. Only SI units are to be used in the report. Important equations must be numbered in decimal form.
 4. All equation numbers should be right justified.
10. Each student from group shall have one copy with individual certificate only.
11. The project report and progressive assessment sheets are to be submitted before the end of term declared in the Academic Calendar of the institute.

7.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	H							H	M	M	M
CO2		H						M	M	-	M
CO3							M	H	M	-	M
CO4	M					L		H	M	L	M
CO5				L			M	M	M	M	M
CO6			H				H	M	M	H	M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)
COURSE : Surface Ornamentation (SEO) **COURSE CODE** : 6452

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
04	--	06	10	03	Max.	80	20	100	50	--	100	250
					Min.	32	--	40	20	--	40	--

1.0 RATIONALE:

Designs today depend extensively on enhancements of fabric surface. Inspiration can be drawn from World embroidery and even traditional yarn craft, such as, crochet, macramé, knitting and French knitting. Also, texturing which can be learnt and made use of in innovative ways. The purpose is to apply knowledge of this course in the course of Design Process.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Learn yarn crafting & texturing techniques for adding dimensions to design
2. Learn world embroidery of different countries for design inspiration.
3. Learn digitizing software to apply at commercial level.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Acquire knowledge of history and types of yarn crafting & texturing techniques.
2. Acquire knowledge of different world embroidery styles for designing.
3. Acquire knowledge of developing contemporary design from traditional world embroidery.
4. Learn the digitization of embroidery using software.
5. Prepare /acquire knowledge of crocheting & macramé technique

4.0 COURSE DETAILS:

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
Unit-I Texturing	1a. Describe the surface ornamentation techniques for texturing 1b. Differentiate between different methods of texturing. 1c. Learn the history and types of texturing techniques.	Quilting 1.1 Tools & supplies 1.2 Types of Quilting designs 1.3 Quilting techniques – Tying, Padded Corded 1.4 Finishing edges Appliqué Work 1.1 Tools & supplies 1.2 Making, cutting & using templates for Appliqué 1.3 Technique for making Appliqué-a) By hand b) by machine 1.4 Reverse appliqué Patchwork 1.1 History of patch-work 1.2 Patch-work basics 1.3 Types of patch-work 1.4 Fabric & Equipments, Designing patch work. 1.5 Influence of color on patch-work Smoking	24

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
		1.1 Types of smocking 1.2 Pre gathering 1.3 Different smocking Stitches	
Unit-II Yarn Craft	2a. Describe the yarn crafting techniques 2b. Differentiate between different methods of yarn crafting. 2c. Learn the history of yarn crafting	Crochet 2.1 Crochet basics 2.2 Crochet terminology 2.3 Basic crochet rules, turning chain 2.4 Different crochet stitches 2.5 Shaping-increasing, decreasing 2.6 Irish crochet Macramé 2.1 History of macramé 2.2 Types of macramé 2.3 Basic knots of macramé	20
Unit-III World Embroidery	3a. Discuss the embroidery of Europe, Africa, China with respect to Stitches, Motifs & types of embroidery, Color, fabric, and threads used	3.1 Origin, Stitches, Motifs & types of embroidery, Color, fabric, threads used in 3.2 European embroidery (Ireland and Spain) 3.3 African embroidery 3.4 Chinese embroidery	20
		TOTAL	64

5.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):

Unit No.	Unit Title	Distribution of Theory marks			
		R Level	U level	A and Above levels	Total Marks
I	Texturing	08	16	16	40
II	Yarn Craft	04	08	08	20
III	World embroidery	08	08	04	20
	TOTAL	20	32	28	80

Legends: R= Remembrance (Knowledge); U= Understanding; A= Application & Above level (Revised bloom taxonomy)

Note: This specification table shall be treated as a general guideline for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.

6.0 ASSIGNMENTS/PRACTICALS/TASKS:

Sr.No.	Unit No.	Practical Exercises (Outcomes in Psychomotor Domain)	Approximate hours required.
1	I	Developing two product on Texturing	24
2	II	Developing one product on Yarn Craft	24
3	III	Developing one product on World embroidery	24
4	--	Learning digitizing on embroidery software.	24
		TOTAL	96

7.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Market survey to study the different brands of materials
2. Visit to boutique or retail shops to see application of embroidery
3. Visit to art exhibition for study of embroidery
4. Collection of photographs of embroidery application and market prices of application.

8.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Show clippings of embroidery
2. Arrange expert workshop
3. Arrange visit to art exhibition for study of embroidery
4. Show different application in form of articles

9.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	Black work	Becky hogg	
2	Patchwork and applique	Pamela tuddy	
3	Beginners guide to mountmellick embroidery	Patt Trott	Search press.
4	Complete guide to needle work	Readers digest	
5	The new crochet	Taylor terry	Lark books.

B) Software/Learning Websites

1. <http://macramecollective.com/news/?p=553>
2. <http://home.comcast.net/~darnamics/History.html>
3. <http://stonebrashcreative.com/MacrameTutorial.html>
4. www.allfreecrochet.com
5. www.needlenthread.com
6. www.berlinembroidery.com
7. www.guidpatterns.com

C) Major Equipments/ Instruments with Broad Specifications

1. Embroidery digitizing software
2. Sewing machines
3. Embroidery machines

10.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	M	H	-	H	M	M	M	M	M	-	M
CO2	M	M	M	M	H	H	M	M	M	-	H
CO3	M	H	-	H	H	H	M	M	M	-	M
CO4	M	M	M	M	M	H	M	M	M	M	H
CO5	M	M	M	L	L	M	M	L	M	H	H

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)
COURSE : Advance Pattern Cutting (**APC**) **COURSE CODE** : 6453

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
04	--	--	04	03	Max.	80	20	100	--	--	--	100
					Min.	32	--	40	--	--	--	--

1.0 RATIONALE:

The course provides the alterations made on basic pattern sets which enable a designer to overcome the figure faults by allowing proper hang of the garment a various figures having disproportionate posture non symmetric line unvarying contours etc. It provides the knowledge about fashion reading & grading which make pupil able to design various styles in different sizes to meet the industrial. The designer can use her skill to produce a range that will make the latest fashion available to the majority of women whatever the figure type. Also the course introduces the application of different pattern grading systems.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Understand fit of the garment using principle of contouring.
2. Develop the technical aspect of manipulating the dart by slash and spread technique.
3. Learn the alterations made on basic pattern sets which enable a designer to overcome the figure faults by allowing proper hang of the garment.
4. Learn the knowledge about fashion reading & grading which make pupil able to design various styles in different sizes to meet the industrial
5. Use skill to produce a range that will make the latest fashion available to the majority of women whatever the figure type.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Grade the patterns for required sizes by methods of grading i.e. slash & spread technique.
2. Provide solutions on various shapes to be flattered on widely different types of figures.
3. Design garment for individual client no matter what figure type she belongs to.
4. Prepare design with contouring.
5. Prepare pattern layout.

4.0 COURSE DETAILS:

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
Unit-I Principles of Contouring	1.a How to prepare designs with Contouring? 1.b Define the term Contouring. 1.c Do the pattern plot of 1. Cut out Necklines 2. Cut out armholes 3. Armhole ease 4. Empire Style Line 5. Contouring between the bust 6. Strapless design 7. Shoulder slope and side	1.1 Principles of Contouring a. Contour Designs b. Figure versus basic garment c. Fitting Problems 1.2 The contour guide pattern a. Preparing contour guide pattern b. Measure depth of hollow areas & chart the pattern c. Cut out Necklines d. Cut out armholes e. Armhole ease	12

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
	ease 8. Back 1.d Illustrate design of top using style line given bellow 1. The Classic Empire 2. Empire with shirred midriff 3. Off Shoulder Design 4. Halters.	f. Empire Style Line g. Contouring between the bust h. Strapless design i. Shoulder slope and side ease j. Back 1.3 The Classic Empire a. Empire with shirred midriff 1.4 Surplice (or Wrap) Design a. Pattern for Left Side b. Pattern for right Side 1.5 Off Shoulder Design 1.6 Halters a. V-Neck Halters 1.7 Corset & lingerie blocks	
Unit-II Body Faults and Remedies	2a. Define the term normal Figure. 2b. What is deformed figure? 2c. Enlist the type of Deformed figures 2d. Explain the types of Deformed figures 2e. Write the difference between 2f. Erect Figure & Stooping figure 2g. Corpulent figure & Hunch Back 2h. Broad shoulder & Square shoulder 2i. Write the body fault & remedies of Knocked Knee.	2.1 Normal Figures 2.2 Deformed figures a. Erect Figure b. Stooping figure c. Corpulent figure d. Hunch Back e. Pigeon Chest f. Broad shoulder g. Square shoulder h. Prominent Bust i. Hollow Chest j. Bow Leg k. Sway Back l. Sloping shoulder m. Knocked Knee	14
Unit-III Measure-Compare Adjust (In Draft Form)	3a. Why Measure- Compare- Adjust is important for designer? 3b. What is Measure- Compare-Adjust? 3c. Do the Neck line alterations for a. Tight & too loose necking; large necking gaping necking, b. large neckline gaping neckline	3.1 Shoulders 3.2 Necklines 3.3 Chest 3.4 Bust 3.5 Back 3.6 Armhole, Sleeves 3.7 Hips, Abdomen 3.8 Swayback, Derriere	14

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
	3d. do the Shoulder alterations, Sloping, square, narrow and broad shoulders 3e. do the Bust alterations, Hollow, pigeon bust, high and low bust large cup and Small cup 3f. do the Derriere alterations for Round or flat derriere sway back 3g. give the alterations for a. High or tight armholes, b. Gaping armhole sleeve too tight (large elbows), too loose (heavy upper arm), sleeve cap Rise.		
Unit-IV Pattern Layout	4a. What is pattern layout? 4b. What is diagonal weave fabric? 4c. How we can cut the pattern on large print fabric? 4d. Enlist the types of fabric for pattern layout.	Pattern Layout 4.1 Border design fabric 4.2 Border fabric/Finished border fabric 4.3 Check fabric/Checkered fabric 4.4 Diagonal design fabric/Diagonal print fabric 4.5 Diagonal weave fabric/ Twill type fabric 4.6 Directional Design Fabric/One-way Design Fabric 4.7 Irregular design fabric 4.8 Knit fabric 4.9 OKnit Fabric 4.10 Large Print Fabric/ Motif Design Fabric 4.11 Light- Reflecting Fabric (Nap)	12
Unit-V Grading	5a. Write the Introductions to grading. 5b. Explain the General principles of grading. 5c. Explain the Practical principles of grading. 5d. Write the importance of grading.	Grading 5.1 Introductions to grading 5.2 General principles 5.3 Practical principles 5.4 Importance of computer in grading 5.5 Sizing development 5.6 Basic grading applications on the following, ▪ The basic front back, sleeve and collars, basic skirt, shirt and trouser. ▪ Note: grading by slash method 1:4 scale for basic patterns by use of paper and graph papers if required is expected in theory hrs.	12
		TOTAL	64

5.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):

Unit No.	Unit Title	Distribution of Theory marks			
		R Level	U level	A and Above levels	Total Marks
I	Principles of Contouring	04	06	04	14
II	Body Faults and Remedies	04	08	04	16
III	Measure- Compare Adjust (In Draft Form)	04	08	06	18
IV	Pattern layout	04	08	04	16
V	Grading	04	06	06	16
	TOTAL	20	36	24	80

Legends: R= Remembrance (Knowledge); U= Understanding; A= Application & Above level (Revised bloom taxonomy)

Note: This specification table shall be treated as a general guideline for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.

6.0 SUGGESTED STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Two assignments of pattern collection & application of design.
2. Study of body faults from old garments.
3. Identify the body fault & suggest the remedy.
4. Find out the designs of uncommon prints & study its layout.

7.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Show the clippings of grading.
2. Guide the students for finding the remedies of body faults.
3. Activity regarding body faults in the class & outside the class.
4. Assignments of layout as per fabric & pattern

8.0 LEARNING RESOURCES:**A) Books**

Sr.No.	Title of Book	Author	Publication
1	Metric pattern cutting for Women's wear	Winifred Aldrich.	Wiley Blackwell
2	Pattern Making	Armstrong	Prentice Hall
3	Lingerie Metric pattern cutting for children's wear	Winifred Aldrich.	Wiley Blackwell
4	Dress pattern making	Natalie Bray.	Wiley Blackwell
5	Lingerie wear	Ann Hagger	Wiley Blackwell
6	Comdex fashion design	Dr. Navneet Kaur	Dreamtech

B) Software/Learning Websites

1. www.professorfashion.com
2. www.designersnexus.com

C) Major Equipments/ Instruments with Broad Specifications

1. Scissors
2. T shape ruler, L shape ruler.
3. Hip curve, neck curve.
4. Scale triangle.
5. Model form.
6. Table with felted tops.
7. LCD.
8. Visualiser.

9.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	M	M	M	M	M	-	M	ML	M	-	M
CO2	M	M	M	M	L	-	M	L	M	-	M
CO3	M	M	M	M	M	-	M	M	M	-	M
CO4	M	M	M	M	L	-	M	M	M	-	M
CO5	M	M	M	M	M	-	M	M	M	H	M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)
COURSE : Advance Apparel Construction (ALN) **COURSE CODE:**6454

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
--	--	08	08	--	Max.	--	--	--	50	--	100	150
					Min.	--	--	--	20	--	40	--

1.0 RATIONALE:

This course introduces student with drafting paper pattern use of dart manipulation for draft innovative pattern for various basic garments of different age group. The course adds confidence, foresight good judgment & speed to perform various stages of adopting basic pattern to working pattern & finally to master pattern.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Learn use of dart manipulation for draft innovative pattern.
2. Draft & construct jackets & waist coat.
3. Draft & construct men's casual/ formal wear.
4. Draft & construct women's western wear.
5. Do manipulation for draft innovative pattern

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Acquire and develop knowledge of style lines.
2. Acquire skills to upgrade the wardrobe.(men's & women's).
3. Adapt changes on basic patterns and develop various stylized paper patterns.
4. Know the step by step stitching procedure.
5. Add finishing touch and estimate the price of garment.

4.0 COURSE DETAILS:

There are no separate classes for theory as given below. The relevant theory has to be discussed before the practical during the practical sessions.

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics
Unit-I Style lines & Blouson Foundation	1a. Do the dart manipulation of style line. 1b. What is blouson foundation? 1c. Draw any design of top using style line.	1.1 Understand the basic draft and create the style lines using slash & spread method. 1.2 Study of blouson foundation. 1.3 Study the designs of different style lines
Unit-II Added Fullness	2a. What is added fullness? 2b. Why we are using added fullness? 2c. Write the types of fullness/ 2d. Design the top using any two types of added fullness.	2.1 study of added fullness 2.2 understand the types of added fullness 2.3 study the use of added fullness
Unit-III Yoke for Bodice	3a. Define the term yoke. 3b. What is the use of yoke? 3c. In which garment we are using yoke?	3.1 study the use of yoke in the garment 3.2 study the types of yoke 3.3 study the manipulation of yoke

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics
Unit-IV Flanges & Pleat Tucks & Pin Tucks	4a. Define the term pleats. 4b. What is the use of pleats? 4c. What are flanges? 4d. Design the top using flanges.	4.1 Study the types of pleats. 4.2 Study the use of pleats 4.3 Study the use of flanges.
Unit-V Trouser	5a. Do the basic drafting of trouser. 5b. Do the layout of trouser. 5c. Which measurements are used in trouser drafting? 5d. Write the stitching flow chart of trouser. 5e. Which pocket is stitched in trouser?	5.1 Understand the basic draft of trouser and create an innovation of the same 5.2 Draft & layout 5.3 Full scale draft & paper pattern of the above innovation 5.4 Cut, stitch & finish the garment 5.5 Finishing techniques 5.6 Should incorporate special seams and seam finishes in an outfit.
Unit-VI Casual Shirt/ Formal Shirt	6a. Do the layout of shirt. 6b. Which measurements are used in shirt block? 6c. Write the stitching flow chart of shirt. 6d. Which pocket is stitched in trouser?	6.1 Understand the basic draft of casual shirt and create an innovation of the same 6.2 Draft & layout 6.3 Full scale draft & paper pattern of the above innovation 6.4 Cut, stitch & finish the garment 6.5 Finishing techniques 6.6 should incorporate special seams and seam finishes in an outfit
Unit-VII Waist Coat/jacket	7a. Do the layout of shirt. 7b. Do the drafting of waistcoat. 7c. Which measurements are used in waist coat? 7d. Write the stitching flow chart of waistcoat.	7.1 Understand the basic draft of waist coat and create an innovation of the same 7.2 Draft & layout 7.3 Full scale draft & paper pattern of the above innovation 7.4 Cut, stitch & finish the garment 7.5 Finishing techniques 7.6 should incorporate special seams and seam finishes in an outfit
Unit-VIII One Piece Dress	8a. Do the innovative drafting of given design. 8b. Do the layout of one piece dress & estimate the fabric cost. 8c. Which type of finishing techniques is used in one piece dress?	8.1 Understand the basic drafting of bodice block and create an innovation of the same 8.2 Draft & layout 8.3 Full scale draft & paper pattern of the above innovation 8.4 Cut, stitch & finish the garment 8.5 Finishing techniques 8.6 should incorporate special seams and seam finishes in an outfit
Unit-IX Camisole/ strapless pattern	9a. Do the innovative drafting of given design. 9b. Do the layout of Camisole pattern & estimate the fabric cost. 9c. Which type of finishing techniques is used in camisole?	9.1 Understand the basic draft and create an innovation of the same 9.2 Draft & layout 9.3 Full scale draft & paper pattern of the above innovation 9.4 Cut, stitch & finish the garment 9.5 Finishing techniques 9.6 should incorporate special seams and seam finishes in an outfit

5.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):

Not applicable

6.0 ASSIGNMENTS/PRACTICALS/TASKS:

Sr. No.	Unit No.	Practical Exercises (Outcomes in Psychomotor Domain)	Approximate hours required.
1	Unit-I Style lines & Blouson Foundation	Style lines 1.1 Classic Princess Style lines 1.2 Armhole Princess Style lines 1.3 Panel Style lines Blouson Foundation 1.4 Modified Blouson 1.5 Blouson with increased fullness	08
2	Unit-II Added Fullness	Added Fullness 2.1 Three types of added fullness 2.2 Identifying added Fullness 2.3 Fullness along princess line 2.4 Fullness at a semi yoke above Bust 2.5 Added Fullness to a dart leg 2.6 Gathers on a Style Dart 2.7 Fullness around neck band	10
3	Unit-III Yoke for Bodice	Yoke for Bodice 3.1 Basic front yoke slash & spread 3.2 Back yoke with inverted box pleat 3.3 Back yoke with added fullness / gathers 3.4 Back yoke with Action Pleat	08
4	Unit-IV Flanges & Pleat Tucks & Pin Tucks	Flanges 4.1 Dart Flanges 4.2 Flange to waist 4.3 Flange inset Pleat Tucks & Pin Tucks 4.4 Pleat Tucks 4.5 Pin Tucks	08
5	Unit-V Trouser	5.1 Prepare full size paper pattern of innovative pattern of Trouser (for men's) 5.2 Cutting & stitching of innovative pattern of Trouser	20
6	Unit-VI Casual Shirt/ Formal Shirt	6.1 Prepare full size paper pattern of innovative pattern of casual shirt/ formal shirt (for men's) 6.2 Cutting & stitching of innovative pattern of casual shirt/ formal shirt (for men's)	20
7	Unit-VII Waist Coat/jacket	7.1 Prepare full size paper pattern of innovative pattern of waist coat 7.2 Cutting & stitching of innovative pattern of waist coat.	14
8	Unit-VIII One Piece Dress	8.1 Prepare full size paper pattern of innovative pattern of One Piece Dress With Collar Variations 8.2 Cutting & stitching of innovative pattern of One Piece Dress With Collar Variations	20
9	Unit-IX Camisole/strapless pattern	9.1 Prepare full size paper pattern of innovative pattern of Camisole/strapless pattern 9.2 Cutting & stitching of innovative pattern of Camisole/strapless pattern	20
TOTAL			128

7.0 SUGGESTED STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Market serve for new patterns
2. Visit to shops for observation of new trends.

3. Searching of different types of fabric & accessories for above patterns.
4. Stylization of design for economic costs.
5. Supervising the garment manufacturing process.
6. Study the trends of the accessories & design & make for above patterns.

8.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Collections of clipping for showing the application of seams.
2. Guide the students for economical laying & finishing techniques.
3. Library formation of fly, pockets, collars & placket.

9.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	Pattern Making	Armstrong	Prentice Hall
2	Metric pattern cutting for women's wear	Winifred Aldrich.	Wiley Blackwell
3	Dress pattern making	Natalie Bray.	Wiley Blackwell
4	Metric pattern cutting for men's wear	Winifred Aldrich.	Wiley Blackwell

B) Software/Learning Websites

1. <http://textilelearner.blogspot.in/2012/02/how-to-make-trouser-by-using-industrial.html>
2. <http://textilelearner.blogspot.in/2012/02/process-flow-chart-of-garments.html>
3. <http://textilelearner.blogspot.in/2012/02/process-flow-chart-of-garments.html>

C) Major Equipments/ Instruments with Broad Specifications

1. Single needle Lock stitch machine
2. Scissors
3. T shape ruler, L shape ruler
4. Hip curve, neck curve
5. Scale triangle
6. Model form
7. Table with felted tops
8. Steam iron

10.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	H	M	M	M	M	M		M	M	-	M
CO2	M	M	M	M	M	M	M	M	M	-	M
CO3	M	M	M	M	M		M	M	M	-	M
CO4	M	H	M	M	M	M	M	M	H	-	M
CO5	M	M	M	M	M	M	M	M	H	-	M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)
COURSE : Apparel Quality Management (AQM) **COURSE CODE** : 6455

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
04	--	--	04	03	Max.	80	20	100	--	--	--	100
					Min.	32	--	40	--	--	--	--

1.0 RATIONALE:

Garment making in the industry requires quality control at various stages. This may include quality checking starting from fabric level, cutting, sewing, finishing, pressing and packing stages. Quality is not only checked for garments but also of the accessories attached to the garments and even when they are sent for laundering. The study of quality control will be useful in producing defect free garments. Quality checking at every stage will help to gain knowledge regarding the various testing methods.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Understand the concept of Quality control.
2. Identify various quality testing techniques.
3. Understand labelling of garments.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Perform quality checking starting from fabric level, cutting, sewing, finishing, pressing and packing stages.
2. Quality is not only checked for garments but also of the accessories attached to the garments and even when they are sent for laundering.
3. Study quality control and use in producing defect free garments.
4. Quality checking at every stage will help to gain knowledge regarding the various testing methods.
5. Learn to manage quality in different industries using systematic approach.

4.0 COURSE DETAILS:

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
Unit-I Management of Quality	1a. What is quality management 1b. What is quality management system 1c. State the quality control function	Management of quality 1.1 Quality management concept 1.2 Systems for quality management 1.3 Operation of the quality control function 1.4 Costs of quality	08
Unit-II Analysis of Garment Development	2a. State the role of garment analyst 2b. State the Process of garment analysis	Analysis of garment development 2.1 Role of garment analysis 2.2 Process of garment analysis 2.3 Professional perspective on garment analysis	08
Unit-III Product Standard and	3a. State the standard for quality, fit and performance	Product standard and specification 3.1 Sources of product and quality standards 3.2 Standard for quality, fit and	08

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
Specification		performance 3.3 Writing specification for apparel manufacturing	
Unit-IV Introduction to Quality Control and Inspection	4a. State the requirements of quality 4b. Write the methods of inspection 4c. Why is Quality important	Introduction to Quality Control and Inspection 4.1 What is Quality 4.2 Inspection <ul style="list-style-type: none"> • What is inspection • Raw material inspection • Fabric inspection • 4 Point system 4.3 Quality checking for <ul style="list-style-type: none"> • Sewing thread • Zippers • Buttons / Buckles and snap fasteners 4.4 In-process Inspection for <ul style="list-style-type: none"> • Spreading • Cutting • Sewing • Pressing / Finishing • Testing of fusible interlinings • Elastic waistband testing 4.5 Final Inspection	14
Unit-V Packing Quality	5a. List various styles of packing 5b. Identify various Packing materials	5.1 Classification of Packing and its importance <ul style="list-style-type: none"> • Stand up pack • Flat pack • Hanger pack • Materials used for packing of all lines(Men, Women, Kids) 	12
Unit-VI Testing of Yarn, Fabrics and Garments	6a. State the various testing methods 6b. Identify the defects	6.1 Testing of Yarn. <ul style="list-style-type: none"> • Basics of Yarn numbering systems Count-tex-Deniers. • Yarn strength. 6.2 Testing of fabrics. <ul style="list-style-type: none"> • Chemical test – Colour fasteners to washing and dry cleaning, soil and • Stain release. Water resistance and Water repellency • Physical Test – Tensile, tearing, crease recovery, pilling, drape, testing of shades (light, rubbing) 6.3 Testing of Garments <ul style="list-style-type: none"> • Seam strength • Garment defects – cutting, fusing, sewing • Fabric stretch properties • Dimensional changes due to Laundering / Dry cleaning / Steaming & Pressing • Durable Press Evaluation of fabrics and apparel 	14

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
		<ul style="list-style-type: none"> • Needle cutting / yarn severance • Sewability of fabrics • Bow and Skewness in woven and knitted fabrics • Distortion of yarn in woven fabrics • Fabric streak analysis 6.4 Defects in Woven and Knitted fabrics <ul style="list-style-type: none"> • Bow and Skewers in woven and knitted • Distortion of Yarn 	
		TOTAL	64

5.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):

Unit No.	unit title	Distribution of Theory marks			
		R Level	U level	A and Above levels	Total Marks
I	Management of quality	02	04	02	08
II	Analysis of garment development	02	04	02	08
III	Product standard and specification	04	02	04	10
IV	Introduction to Quality Control and Inspection	04	06	08	18
V	Packing Quality	04	06	08	18
VI	Testing of Yarn, Fabrics and Garments	04	06	08	18
	TOTAL	20	28	32	80

Legends: R= Remembrance (Knowledge); U= Understanding; A= Application & Above level (Revised bloom taxonomy)

Note: This specification table shall be treated as general guidelines for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.

6.0 ASSIGNMENTS/PRACTICALS/TASKS:

Not Applicable

7.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Visit to molls to study packaging.
2. Collection of different garments labels.
3. Collection of different garment packaging samples.

8.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Show clippings/PPT of quality controlling.
2. Arrange visit to quality control sections in industry.
3. Arrange expert lecture on quality control.

9.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	The Technology of Clothing Manufacture	Harold Carr and Barbara Latham	Blackwell Science, Oxford
2	Managing Quality in the Apparel Industry	Pradip V. Mehta Satish K. Bhardwaj	New age International Publishers
3	Introduction to Clothing Manufacture	Gerry Cooklin	Om Books International New Delhi
4	Fashion Design and Product Development	Harold Carr and John Pomeroy	Blackwell Science, Oxford
5	Introductory Textile Science	I Marjory L. Joseph Holt	Rinehart and Winston, New York
6	Garment Technology for Fashion Designers	Gerry Cooklin	Wiley-India

B) Software/Learning Websites

1. <http://www.apparesearch.com/terms/q/quality-management-systems-fashion.html>
2. http://www.apparesearch.com/testing_methods.htm
3. <http://textilelearner.blogspot.in/search/label/Garm20Washent%>
4. <http://www.onlineclothingstudy.com/2013/01/43-useful-sites-and-blogs-f>

C) Major Equipments/ Instruments with Broad Specifications

Not Applicable

10.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	H	M	M	M	H	M	H	M	M	-	M
CO2	H	M	M	M	H	M	H	M	M	-	M
CO3	H	M	M	M	H	M	H	M	M	-	M
CO4	H	M	M	M	H	M	H	M	M	-	M
CO5	M	M	M	M	M	M	H	M	M	-	M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)
COURSE : Computerized Fashion Design (CFD) **COURSE CODE** : 6456

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
--	--	05	05	--	Max.	--	--	--	50	--	50	100
					Min.	--	--	--	20	--	20	--

1.0 RATIONALE:

With Photoshop students learn the basics and the manipulating and adjusting images of designing on computer. It will also, helps composing many images into one image with different effects and filters and how to apply them on the images. The text with various options will help student with the basic concept of typography. Students will also learn actions and automate functions.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Recognise and understand the fundamental aspects of Photoshop.
2. Understand and learn image correction techniques.
3. Understand and work with layers and the Layers panel and understand the terminology used and Understand the concepts of file formats, file size, colour modes and image resizing
4. Create and edit images and text and the process of saving in Photoshop
5. Make Touch Ups, Colour corrections, Paintings, Drawings, Converting B/W photo to colour, change the look of image using different filters.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Use basic selection tools, advanced selection and layering techniques
2. Create composite images that demonstrate advanced selection and layering techniques.
3. Apply special effects to typography using masks, paths, and layer styles.
4. Stylize images by combining filters with blending and masks.
5. Evaluate and correct image imperfections using the Info panel, adjustment layers, and retouching tools.

4.0 COURSE DETAILS:

Unit	Major Learning Outcomes	Topics and sub topics
Unit-I Basics for Photoshop	1a. Demonstrate the basics of Photoshop software and its tools.	1.1 Photoshop Interface, Understanding file formats, resolution
Unit-II Basic and Advance Selection Techniques	2a. Use selection tools for image editing.	2.1 Introduction and use of Basic and Advance Selection Techniques. 2.2 Move tool & Marquee tool & sub tools. 2.3 Magic Wand tool & Crop tool 2.4 Lasso Tool & its sub tools
Unit-III Layer	3a. Merge photographs with layers. 3b. Make a creation using masking and layer modes.	3.1. Basic Layer concept, Layer styles Layer Modes, Layer Masking
Unit-IV	4a. Design innovative	4.1 Retouching essentials

Unit	Major Learning Outcomes	Topics and sub topics
Retouching Tools	advertisements using retouching tools.	4.2 Blur tool, patch tool, Sponge tool & it's sub tools 4.3 Paint Bucket tool & its sub tools 4.4 Healing Brush Tool. 4.5 Brush tool & sub tools 4.6 Stamp tool & Clone tool 4.7 History Brush Tool & Eraser Tool.
Unit-V Drawing Tools	5a. Create objects and edit using Drawing tools	5.1 Drawing tools 5.2 Path Selection tool, 5.3 Pen tool-add & delete anchor point, free form, convert anchor point. 5.4 selection tool- direct & path
Unit-VI Text Effects	6a. Add and create text effects	6.1 Text and typography essentials 6.2 Horizontal and vertical type tool 6.3 Text Masking tool

5.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):

Not applicable

6.0 ASSIGNMENTS/PRACTICALS/TASKS:

Sr.No	Unit No	Practical Exercises (Outcomes in Psychomotor Domain)	Approximate hours required.
1	Basics for Photoshop	<ul style="list-style-type: none"> Learn the basic tool box Select a client and make a profile Select a wear (casual, formal, haute couture) 	20
2	Portfolio Creations	Prepare a 1.1 Mood board 1.2 Inspiration board 1.3 Colour and texture board 1.4 Pattern creation 1.5 Flats and specs 1.6 Create tags, labels, slogans, shopping bags, etc.	24
3	Creating advertisement	Crating an product advertisement for medias like magazine, hoarding etc.	16
4	Use of retouching	Use of retouching technique for a photo.	10
5	Website creation	Create a static website in Photoshop.	10
		TOTAL	80

7.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Practice of operating Photoshop applications.
2. Collection of advertisements and images for reference.
3. Scanning of textures.
4. Search different creative websites.

8.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Following Proper short cut keys as handling instructions of Photoshop.
2. Making a folder of roll numbers and saving all the assignments in it.
3. Avoiding use of pen drives for safety purpose of data.
4. All assignments should be unique, no duplication allowed.
5. Show the difference between vector and raster images.
6. Show the videos of effects.

9.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	Adobe Photoshop	Michael Karbo.	Adobe
2	Adobe Photoshop	Bittu Kumar	Adobe
3	Adobe Photoshop CS6 Bible	Lisa Danae Dayley, Brad Dayley	Adobe
4	Photoshop: Absolute Beginners Guide	Edward Bailey	

B) Software/Learning Websites

1. Adobe Photoshop latest version
2. <http://www.karbosguide.com/books/ap70/start.htm>
3. <http://www.freebookcentre.net/graphics-books-download/Webpedia-Photoshop-Tutorials.zip.html>
4. <http://www.tv.adobe.com/product/photoshop>
5. <https://www.youtube.com/playlist?list=PL3001D0299F76FBCE>
6. <http://www.photoshop.com/tutorials>
7. <http://www.video-tutes.com/packages/PSDesign1.php>

C) Major Equipments/ Instruments with Broad Specifications

1. Computer core2 duo with 2GB Ram, Mouse, Keyboard.
2. Visualizer and LCD Projector for demonstration
3. Scanner

10.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	M	M	--	H	M	--	M	-	M	-	M
CO2	M	M	--	H	M	--	M	M	M	L	M
CO3	M	M	--	H	M	--	M	-	M	-	M
CO4	M	M	--	H	M	--	M	M	M	-	M
CO5	M	M	--	H	M	--	M	M	M	M	M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)

COURSE : Advance Fashion Illustration (AFI)

COURSE CODE : 6457

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
--	--	04	04	--	Max.	--	--	--	50	--	50	100
					Min.	--	--	--	20	--	20	--

1.0 RATIONALE:

This course explore the creativity by manually drawing different poses with proportion and show how to draw the figure from different angles including many different stylized poses which provides the knowledge of presenting the ideas through different medias such as pencil, charcoal, ink, collage etc. Students also need fashion drawing and presentation skill when developing design ideas and are taught different ways of presenting ideas when sketching and how to produce working drawing suitable for pattern development and illustration. It explores the use of templates sources in developing the composition of an illustration.

In order to achieve a harmonious reproduction of female figure in accordance with the language of fashion it has been necessary to modify slightly the relative size of same parts of the body whilst having the overall body and the division into section unchanged.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Understand the concept of flat & Spec Sheet.
2. Design garment categories.
3. Aesthetically describe the garments.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Know & suggest different categories of garments.
2. Acquire skills of fashion reading & explaining it.
3. Select the theme base project & work out different boards.
4. Acquire the knowledge of research Inspiration.
5. Know advance techniques of fashion illustration.

4.0 COURSE DETAILS:

There are no separate classes for theory as given below. The relevant theory has to be discussed before the practical during the practical sessions.

Unit	Major Learning Outcomes	Topics and Sub-topics
Unit-I Advanced Fashion	1a. Define the term Haute couture. 1b. What is mean by Formal wear? 1c. Define the term Prêt-a-porter collection. 1d. What is mean by Sport wear? 1e. What is mean by Dramatic costume? 1f. Define the term Avent grad. 1g. Define the term Historic costume. 1h. Define the term Casual wear	Define the terms 1.1 Haute couture 1.2 Formal wear 1.3 Prêt-a-porter collection 1.4 Sport wear 1.5 Dramatic costume 1.6 Avent grad 1.7 Historic costume 1.8 Bridal wear 1.9 Casual wear 1.10 Night dress (male & female)
Unit-II	2a. Give the introduction about fashion reading.	2.1 Introduction of fashion reading

Unit	Major Learning Outcomes	Topics and Sub-topics
Fashion Reading		
Unit-III Design and Development	3a. Describe the fashion prediction. 3b. Explain the term design development. 3c. Write about production drawing. 3d. Describe the working drawing.	3.1 Research Inspiration. 3.2 Innovative exercises for inspiration. 3.3 Fashion prediction. 3.4 Design Development. 3.5 Production Drawing. 3.6 Working drawing.

5.0 ASSIGNMENTS/PRACTICALS/TASKS:

Sr.No.	Unit No.	Practical Exercises (Outcomes in Psychomotor Domain)	Approximate hours required.
1	I	Gathering the information from magazine 1.1 Haute couture 1.2 Formal wear 1.3 Prêt-a-porter collection 1.4 Sport wear 1.5 Dramatic costume 1.6 Avant grad 1.7 Historic costume 1.8 Bridal wear 1.9 Casual wear 1.10 Night dress (male & female)	22
2	II	Fashion Reading 2.1 Introduction of fashion reading 2.2 Prepare Fashion Reading Of all above category	20
3	III	3.1 Research Inspiration 3.2 Innovative exercises for inspiration 3.3 Fashion prediction 3.4 Design Development 3.5 Production Drawing. 3.6 Working drawing	22
		TOTAL	64

6.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Develop collection of different categories of garment.
2. Study forecasting & develop different board.
3. Do brainstorming sessions for inspirations.

7.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Arrange the fashion drawing work shop.
2. Show the websites for studying forecasting.
3. Collect clippings of various wears.

8.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	The Art of colour & Design	Maitland Graves	McGraw hill Book co, New York
2	Colour for Modern fashion	Nancy Riegelman	Nine Heads Media, los Angeles
3	Joy of drawing	Bill Martine	Watson-Guptill, New York
4.	Fashion design illustration-men	Patric John Ireland	Batsford Ltd.
5	Fashion design process innovation & practice	Kathrym mckelvey.	Blackwell publication
6	Fashion illustration-Flat Dwg	Maite Lafuente	Cambridge Publishing Management.

B) Software/Learning Websites

1. www.johnlovet.com/test.htm
2. www.fashion-era.com
3. www.enwikipedia.org
4. chickyarick.wordpress.com

C) Major Equipments/ Instruments with Broad Specifications

1. Illustration Table, Mannequins, Dress forms, Visualiser

9.0 MAPPING MATRIX OF PO'S AND CO'S:

Course outcomes	Programme outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	M	H	L	H	M	M	M	-	L		M
CO2	M	M	L	M	M	L	M	M	H		M
CO3	M	M	M	M	H	M	M	M	M		M
CO4	M	H	L	M	M	M	H	M	M	M	M
CO5	M	H	L	H	M	M	M	M	M		M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)
COURSE : Design Process (DPS) **COURSE CODE** : 6458

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
--	--	06	06	--	Max.	--	--	--	--	--	50	50
					Min.	--	--	--	--	--	20	--

1.0 RATIONALE:

To enable the student to develop a process of client identification with the help of market research and the whole design process exercise and then develop a point of focus round which the whole process of garment designing will revolve.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Understand the concept of flat & Spec Sheet.
2. Design garment categories.
3. Know Specialist collections

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Know & suggest different categories of garments.
2. Acquire skills of forecast reading.
3. Select the theme base project & work out different boards
4. Select suitable colours, prints, textures, embellishments and other fabric enhancement techniques.
5. Know the whole design process of mood board, client profile, story board.

4.0 COURSE DETAILS:

There are no separate classes for theory as given below. The relevant theory has to be discussed before the practical during the practical sessions.

Unit	Major Learning Outcomes	Topics and Sub-topics
Unit-I Developing a Collection and Market Research	1a. What is a collection? 1b. Describe Haute couture. 1c. Explain Mass market 1d. Explain home shopping 1e. Explain Market research	1.1 Collection, how to start a collection theme of a collection. 1.2 Haute couture, Mass market, home shopping 1.3 Market research
Unit-II Design process	2a. What is concept board? 2b. Explain Inspiration board. 2c. Describe Mood board. 2d. Why client profile is important. 2e. What is development sheet	2.1 Concept board 2.2 Inspiration board 2.3 Mood board 2.4 Story board 2.5 Client profile 2.6 Colour pallet 2.7 Design development sheet 2.8 Fabric & swatch board
Unit-III Forecast Reading	3a. What are current trends? 3b. Forecast reading. 3c. Enlist the fabric enhancement techniques.	3.1 Current trends and forecast reading 3.2 Colours, prints, textures, embellishments and other fabric enhancement techniques.

5.0 ASSIGNMENTS/PRACTICALS/TASKS:

Sr. No.	Unit No.	Practical Exercises (Outcomes in Psychomotor Domain)	Approximate hours required.
1	Unit-I	Developing a collection & market research 1.1 Developing a collection : What is a collection, how to start a collection, theme of a collection, Theme of a collection, Content sheet, Pieces that can be coordinated & interchanged 1.2 Case studies & interviews of designer collections. 1.3 Influences of collections: Form & function -futuristic, global and political Influences 1.4 Collections designed for different markets: Haute couture, Mass market, home shopping 1.5 Specialist collections: children's wear, corporate, fashion jewelry 1.6 Market research : Survey through www.surveymonkey.com related to design brief 1.7 Competitive shopping analysis. 1.8 Forecast reading and implementation 1.9 Difference between theme, mood, story, concept boards	32
2	Unit-II	2.1 Elaborate project(collage media can be used) 2.2 Inspiration board Mood board 2.3 Story board 2.4 Client profile 2.5 Colour pallet 2.6 Design development sheet 2.7 Illustration 2.8 Drawing flats & Specification Sheet 2.9 Cost sheet	32
3	Unit-III	The whole design process of mood board, client profile, story board will be applied to the following categories <ul style="list-style-type: none"> • Designing to be done for existing client. • Designing for a store. • Designing for a fashion show. • Designing for an exhibition 3.1 The above mentioned creation will be based on <ul style="list-style-type: none"> • Client profile • Market research/survey • Competitive shopping analysis • Current trends and forecast reading • Suitable colours, prints, textures, embellishments and other fabric enhancement techniques • Fabric sourcing 	32
TOTAL			96

6.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Develop collection & market research.
2. Study forecasting & develop different board.
3. Do brainstorming sessions for inspirations.

7.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Show the websites for studying forecasting.
2. Collect clippings of various wears.

8.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	Developing a collection	Colin Renfrew, Elinor Renfrew	Ava Publishing, SA Switzerland
2	Research and Design	Simon Seivewright	Ava Publishing, SA Switzerland
3	Fashion design process innovation & practice	Kathrym mckelvey.	Blackwell publication
4.	Fashion illustration-Flat Drawing	Maite Lafuente	Cambridge Publishing Management.

B) Software/Learning Websites

1. www.johnlovett.com/test.htm
2. www.fashion-era.com
3. www.en.wikipedia.org
4. chickyarick.wordpress.com

C) Major Equipments/ Instruments with Broad Specifications

1. Illustration Table, Visualiser.

9.0 MAPPING MATRIX OF PO'S AND CO'S:

Course outcomes	Programme outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	M	M	L	M	M	L	H	M	L	-	M
CO2	M	M	M	L	M	M	M	M	-	-	M
CO3	M	H	L	M	L	M	H	M	L	M	M
CO4	M	H	L	H	M	M	L	-	L	-	M
CO5	M	M	L	M	L	L	M	M	L	M	M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)
COURSE : Traditional Textiles of India (TTI) **COURSE CODE** : 6459

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
04	--	00	04	04	Max.	80	20	100	--	--	--	100
					Min.	32	--	40	--	--	--	--

1.0 RATIONALE:

This course provides the knowledge & resources of cultural environment in India that differ from region to region & community to community. This course is inbuilt the designing quality in the students who develop certain changes require in the society with respect to fashion. The course explores the knowledge in rapidly growing field of arts and crafts which embraces various methods of applying color or design to a woven fabric.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Study various traditional textiles of India, which are inspirations for designing.
2. Get familiarized with the different traditional color & its symbolism, motifs which played a major role in the development of textiles.
3. Build up creativity & talent in the field of design with the help of ethnic asset India owns & deserves.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Acquire knowledge of region wise textile.
2. Identify textiles of various regions.
3. Acquire knowledge of motifs & colors of region wise textiles.
4. Build up this creativity & talent in the field of design with the help of ethnic asset India own & deserves.
5. Familiar with the different traditional color & its symbolism, which played a major role in the development of textiles.

4.0 COURSE DETAILS:

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
Unit-I The North Region	1a. What is Khes? 1b. Write about chanderi saree. 1c. Explain the maheshwari saree of Madhya Pradesh. 1d. Explain kullu shawl 1e. Describe the Varanasi brocade. 1f. Describe the kashmiri shawl 1g. What is carpet?	1.1 Jammu & Kashmir • Kashmir Shawl (Jamawar/Kanikar, Dorukha, Pashmina) • Carpet 1.2 Punjab • Khes 1.3 Uttar Pradesh • Varanasi Brocades 1.4 Himachal Pradesh • Kullu shawl, kinnauri shawl 1.5 Madhya Pradesh • Chanderi • Maheshwari	10
Unit-II	2a. Describe Assam muga gold silk.	2.1 Assam • Muga golden silk, eri	10

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
The North East Region	2b. Explain Manipuri wild 2c. Silk saree. 2d. Describe Orissa Double Ikat saree.	2.2 Manipur • Wild silk saree 2.3 Orissa • Double Ikat saree, Ikat, Batik	
Unit-III The Eastern Region	3a. Explain the Bengal deshi Muslin. 3b. Describe the Baluchary Buttedar saree. 3c. Explain Bihar Bhagalpuri saree.	3.1 Bengal • Bengali deshi Muslin, Dacca Muslin, Jamadani Muslin, Bengali sarees, Baluchary-Buttedar saree. 3.2 Bihar • Tassar silk saree-Bhagalpuri	10
Unit-IV The Western Region	4a. Explain the techniques of Patola. 4b. What are the common colour & design used in patola saree? 4c. Describe the roghan work with design. 4d. Explain the hand block printed saree.	4.1 Rajasthan • Hand block printed saree, Bandhej the leheriya, laher, Dhurries & carpets 4.2 Gujarat • Mata-ni-Pachedi, patan patola, roghan work, tinsel saree, Gujarati brocade,	12
Unit-V Maharashtra	5a. what is khan 5b. Explain the Maharashtra shawl. 5c. Write the difference between Himrus & Amrus.	5.1 Deccan saree, shallu saree, paithani saree, khan, 5.2 Himaroo shawls, Himrus & Amrus.	10
Unit-VI South Region	6a. Describe the Tamilnadu saree. 6b. Explain the Karnataka Iikal saree. 6c. Enlist the Tamilnadu sarees. 6d. Describe Andhra Pradesh Mangalgiri saree. 6e. Write the name of Andhra Pradesh saree.	6.1 Tamilnadu • Kornad saree, kanjiwaram, kosara padava, kora silk. 6.2 Karnataka • Mysore silk • Iikal saree. 6.3 Andhra Pradesh • Venkatgiri saree • Gadwal • Dharmavaram • Mangalgiri	12
		TOTAL	64

5.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):

Unit No.	Unit Title	Distribution of Theory marks			
		R Level	U level	A and Above levels	Total Marks
I	The North Region	06	04	04	14
II	The North East Region	06	04	04	14
III	The Eastern Region	06	04	04	14
IV	The Western Region	04	04	06	14
V	Maharashtra	--	04	06	10
VI	South Region	04	04	06	14
	TOTAL	28	24	30	80

Legends: R= Remembrance (Knowledge); U= Understanding; A= Application & Above level (Revised bloom taxonomy)

6.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Arrange the display on region-wise textile.
2. Collect the region-wise textile photographs & information.
3. Visit to local markets for studying the above topics.
4. Visit to exhibitions.

7.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Arrange the visit to local market.
2. Shown Region-wise textile.
3. Prepare the presentation (slides with motifs & features) of Traditional Textile of India.

8.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	Traditional Indian costume & Textile	Parul Bhatnagar	Abhishek Publication
2	Costume & Textile of royal India	Ritu Kumar	London Christie's Book shop
3	Indian costume	Anamika Pathak	Roli books Pvt. Ltd.
4	Indian costume	A Bishwas	Ministry of Information & Broad casting, Govt. of India
5	The Sari	Linda Lynton	--
6	Traditional Bridal Sarees Of India	Promilla Shankar	--
7	Textile designs Traditional & floral	k. Prakash	India Pvt. Ltd. Mumbai

B) Software/Learning Websites

1. www.worisaoriyaonline.com
2. www.kullushawl.com
3. www.utsavpedia.in
4. www.frontlive.com
5. Fibre2fashion.com
6. www.unnati.com
7. www.shatika.co.in
8. Rajasthantextile.com
9. www.sareesafasi.com

C) Major equipments / instruments with broad specification

1. LCD projector & visualiser

9.0 MAPPING MATRIX OF PO'S AND CO'S:

Course outcomes	Programme outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	M	M	L	M	M	H	M	-	M	-	M
CO2	M	M	M	H	M	M	H	L	M	-	M
CO3	M	H	M	H	M	M	M	L	L	-	M
CO4	M	M	M	H	L	L	L	M	M	M	M
CO5	M	M	M	M	M	M	H	-	L	M	M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)
COURSE : Advance Computer Design(**ACD**) **COURSE CODE** : 6460

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
--	--	05	05	--	Max.	--	--	--	50	--	50	100
					Min.	--	--	--	20	--	20	--

1.0 RATIONALE:

The use and discussion of the values of Advanced Computer Designing in clothing & Dress designing is an inseparable part of any current course, which is preparing student for a career in either in fashion Designing industry or in the designing market of apparel. The course provides the advanced knowledge and help in achieving skills for applying ACD in the field of Designing Illustrations' & manufacturing various models of vector large format designing's in garment Industry.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Recognise and understand the fundamental aspects of illustrator.
2. Learn modifications to
3. Understand the concepts of file formats, file size, colour modes and image resizing
4. Create and edit images and text and the process of saving, importing and exporting in Illustrator.
5. Make library formation.
6. Learn how to create stunning animations using basic twining, frame-by-frame techniques, and a few bells and whistles

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Work efficiently in the Adobe Illustrator environment with various modes, panels, and settings.
2. Develop attractive illustrations using advanced selection, organization, and drawing tools.
3. Create different textures Using Software.
4. Make Animation in flash
5. Create different presentation using layers effect.

4.0 COURSE DETAILS:

Unit	Major Learning Outcomes	Name of the Chapter/topic
Unit-I Introduction to Adobe Illustrator	1a. Demonstrate the basics of Adobe Illustrator software	1.1 Introducing the image type 1.2 Bitmap Graphic & Vector Graphic 1.3 Create new file & file type 1.4 Information of Colours 1.5 (CMYK, RGB File size) 1.6 File Save as 1.7 Save as type AI, PSD, JPEG, EPS, TIFF.
Unit-II. Introducing Various Tools	2a. Demonstrate the basics of Adobe Illustrator software tools.	2.1 Move tool, Rectangle tool, Rounded Rectangle, Ellipse, Polygon, Star, Flare tool 2.2 Line segment, Arc tool, Spiral, grid, Polar. 2.3 Lasso tool, Magnetic tool
Unit-III.	3a. Practice the use of	3.1 Pencil, Smooth, Erase tool, Scale, Shear,

Unit	Major Learning Outcomes	Name of the Chapter/topic
Introducing Various Drawing Tools	drawing and coloring tools.	3.2 Reshape tool, Rotate, reflect, twist tool. Fill Colours, Gradient tool, working with fill Colours.
Unit-IV Introducing Layers.	4a. Learn the layer styles and modes.	4.1 Create new Layer & Delete Layer. 4.2 Working with Paint Brush & Gradient & Styles. 4.3 Create text, Path type & Warp text.
Unit-V Introducing Symbol.	5a. Using symbols make the library of garment elements	5.1 Symbol sprayer, Shifter, Scrunched, Size, Spinner, Steiner, 5.2 Screener, Style tool. 5.3 Blend tool, Auto trace tool, Zoom tool & pan. 5.4 Scissors, Knife tool, Eye Dropper tool
Unit-VI Type of Tools	6a. Apply wrap, flow, shape, and path modifications to typography	6.1 Introducing Pen tool. 6.2 Working with pen tool & Details of editing, & details of path.
Unit-VII Editing Tools	7a. Learn the editing tools for creations	7.1 Importance of Selection, Select menu. 7.2 Introducing of Filter & Application of Filter Menu. 7.3 Warp, Twirl, Pucker, Bloat, Scallop, Crystallize, Wrinkle tool. 7.4 Convert to Shape, Path, Path finder, Stylize, Warp
Unit-VIII File Menu and Print Options	8a. Learn the basic file transferring formats and printing options	8.1 Details of file Menu. 8.2 Details of Effect Menu. 8.3 Import, Export, Image Scanning 8.4 Printing Details, View Menu, Window Menu, Assign Menu, Project.
Unit-IX Flash Software	9a. Create animated presentation using flash	9.1 Introduction to flash software basics

5.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):

Not applicable

6.0 ASSIGNMENTS/PRACTICALS/TASKS:

Sr. No.	Unit No.	Practical Exercises (Outcomes in Psychomotor Domain)	Approximate hours required.
1	I	Creating objects, shaping objects, prints creation.	10
2	II	Creating silhouettes.	10
3	III	Tracing croqui and dressing up using drapes and folds	10
4	IV & V	Creating illusions using design elements on silhouettes	10
5	VI & VII	Library formation- Scanning fabrics & adding to libraries, trimmings, details, etc.	15
6	VIII	Creating effects like denim, shirring, laces etc.	10
7	IX	Making animated portfolio using flash	15
		TOTAL	80

7.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Practice of operating Illustrator applications.
2. Search different creative websites.

8.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Following proper short cut keys as handling instructions of Illustrator.
2. Making a folder of roll numbers and saving all the assignments in it.
3. Avoiding use of pen drives for safety purpose of data.
4. All assignments should be unique, no duplication allowed.

9.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	Adobe Illustrator CC Classroom in a Book Kindle Edition	Adobe Creative Team	Publisher: Pearson Education; 1 edition (2014) ISBN-13: 978-9332536166
2	Fashion Designer's handbook for Adobe Illustrator	Marianne Centner Frances Vereker	Blackwell
3	Adobe Flash Professional CC Classroom in a Book	Dobe Creative Team	Publisher: Pearson Education; 1 edition (2014) ISBN-13: 978-9332536159
4	Graphic Design School: A Foundation Course for Graphic Designers Working in Print, Moving Image and Digital Media	David Dabner, Sandra Stewart, Eric Zempol	Thames & Hudson Ltd; 5th Revised edition (28 July 2014) ISBN-13: 978-0500291436

B) Software/Learning Websites

1. Adobe Illustrator latest version
2. <https://www.youtube.com/watch?v=0h4-Bp2EPBA>
3. <http://www.creativebloq.com/digital-art/illustrator-tutorials-1232697>
4. <http://www.digitalartsonline.co.uk/features/illustration/40-best-illustrator-tutorials/>
5. <https://helpx.adobe.com/illustrator/tutorials.html>

C) Major Equipments/ Instruments with Broad Specifications

1. Computer - core2 duo with 2GB Ram, Mouse, Keyboard.
2. Visualiser and LCD Projector for demonstration
3. scanner

10.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	M	M	--	H	M	--	M	-	M	-	M
CO2	M	M	--	H	M	--	M	M	M	M-	M
CO3	M	M	--	H	M	--	M	M	M	-	M
CO4	M	M	--	H	M	--	M	M	M	M	M
CO5	M	M	M	M	M		M	M	M	H	M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)

COURSE : Fashion Advertising (**FAD**)

COURSE CODE : 6461

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
04	--	03	07	03	Max.	80	20	100	--	--	50	150
					Min.	32	--	40	--	--	20	--

1.0 RATIONALE:

To make the students aware of various promotional strategies used in apparel sector. The course provides the knowledge of fashion promotion, planning, advertising and determining the best communication media describe how a media plan accomplishes marketing and advertising objectives.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Select appropriate medias and promotional strategies.
2. Present their product in front of customer confidently and skill fully.
3. Understand Media Planning in Fashion Advertising
4. Study Elements of advertising
5. Know various Medias of advertising with its advantages and disadvantages

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Select appropriate promotional strategies for market
2. Promote a brand or label
3. Sale the product by applying various advertising techniques
4. Know the framework of apparel industry
5. Select appropriate business & legal framework of industry.
6. Arrange creative widow display.

4.0 COURSE DETAILS:

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
Unit-I Business and Legal Framework of Textile and Apparel Companies	1a. State different forms of business framework 1b. State the advantages and disadvantages of different forms of business framework	1.1 Sole proprietorship 1.2 Partnership 1.3 Corporations 1.4 Licensing 1.5 Franchising	08
Unit-II Fashion Advertising Products and Images	2a. Give examples of USP of products 2b. Explain AIDA	2.1 Advertising for promotion the excitement of fashion 2.2 Advertising Procedure 2.3 The fashion selling process- motivations appeals 2.4 Motivations 2.5 Appeals 2.6 Selling points	08
Unit-III	3a. State different forms of advertising medias	3.1 Fashion industry 3.2 Checklist for media selection	08

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
Media Planning in Fashion Advertising	3b. State the advantages and disadvantages of different medias of advertising	3.3 Magazines 3.4 Newspapers 3.5 Television 3.6 Radio 3.7 Direct mail 3.8 Outdoor and Transit advertising	
Unit-IV The Creative Elements Copy, Art, Layout and Production	4a. Enlist and explain the creative elements of advertising	4.1 The elements of print advertising 4.2 Layout 4.3 Printing	08
Unit-V The Fashion Promotion Mix	5a. To understand and explain innovative methods used for retail marketing through the promotion mix. 5b. To explain the factors that influence selection of the promotion mix	5.1 Publicity for fashion news / public relations for fashion image 5.2 Publicity vs., Advertising 5.3 Publicity and public relations 5.4 The press release 5.5 Press kits 5.6 Why is publicity important	08
Unit-VI Special Events For Customer Involvement	6a. Classify the special events 6b. Explain types of fashion shows	6.1 What are special events 6.2 A classification of special events	08
Unit-VII Fashion Shows are Live Promotion	7a. Explain the purpose of fashion show 7b. Explain types of fashion show	7.1 Why fashion shows are important to the fashion industry 7.2 Types of fashion shows classified by 7.3 Fashion show planning	08
Unit-VIII Display is Visual Merchandising	8a. What is display 8b. Compare interior and display 8c. State the advantages of window display 8d. State the elements of window display	8.1 What is display 8.2 The four types of window display 8.3 The importance of window display 8.4 The importance of interior display	08
TOTAL			64

6.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):

Unit No.	Unit Title	Distribution of Theory marks			
		R Level	U level	A and Above levels	Total Marks
I	Business and legal framework of textile and apparel companies	02	04	04	10
II	Fashion Advertising Products and Images	02	04	04	10
III	Media Planning in Fashion Advertising	02	04	04	10
IV	The Creative Elements Copy, Art, Layout and production	04	04	02	10
V	The Fashion promotion mix	02	04	04	10
VI	Special events for customer involvement	04	04	02	10
VII	Fashion shows are live promotion	02	04	04	10
VIII	Display is visual merchandising	02	04	04	10
	TOTAL	20	32	28	80

Legends: R= Remembrance (Knowledge); U= Understanding; A= Application & Above level (Revised bloom taxonomy)

Note: This specification table shall be treated as general guidelines for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.

7.0 ASSIGNMENTS/PRACTICALS/TASKS:

The tutorial / Practical / Task/ Assignment should be properly designed and implemented with an attempt to develop different types of cognitive and practical skills (outcomes in cognitive, Psychomotor and affective domain) so that students are able to acquire the competency.

Sr.N o.	Unit	Practical Exercises (Outcomes in Psychomotor Domain)	Approximate hours required.
1	III	Designing an advertise for magazine	06
2	III	Designing an advertise for news paper	06
3	III	Designing an advertise for leaflet	06
4	III	Designing an advertise for radio-(jingle)	06
5	III	Designing advertise for bags, tags, labels etc. (minimum 2)	09
6	V	Preparing press release.	06
7	VIII	Theme based window display-Group work	09
		TOTAL	48

8.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. List out different props and elements of display.
2. Visit to advertising agencies for studying departments of advertising.
3. Study different special events organised by retail formats.
4. Study of advertisements of national, international brands and labels.

9.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Collect advertises for learning the elements
2. Arrange visit to malls for observing displays and personal selling skills
3. Media comparison with respect to product

10.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	Fashion Merchandising	Elaine Stone & Jean Samples.	McGraw Hill
2	World Of Fashion Merchandising	Mary Wolfee	Good Heart Willcox Company.
3	Fashion Marketing	Mike Easey	Blackwell Publishing.
4	Fashion Marketing theory principles & practice	Marianne Bickle.	Fairchild books.
5	Fashion from concept to consumer	Stephen Fringe	
6	Fashion advertising and promotion	Arthur Winter	Fairchild books

B) Software/Learning Websites

1. <http://www.fashiondesignscope.com/?p=117>
2. <http://www.fashiondesignscope.com/?p=3302>
3. http://www.academia.edu/6916512/DOCUMENTATION_PROCEDURE_OF_GARMENT_EXPORT_HOUSE
4. <http://howtoexportimport.com/Terms-of-Payment-in-Export-and-Import-32.aspx>
5. <http://textilelearner.blogspot.in/2013/10/role-of-merchandiser-in-apparel-industry.html>
6. <http://www.garmentsmerchandising.com/roles-of-a-merchandiser-in-garment-industry/>

C) Major Equipments/ Instruments with Broad Specifications

Not Applicable

11.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	K
CO1	M	H	M	M	M	--	H	M	H	-	M
CO2	M	M	M	--	--	--	H	m	H	H	H
CO3	M	M	M	M	L	--	H	H	H	H	H
CO4	M	H	M	--	--	--	--	M	M	-	--
CO5	M	M	-	-		-	H	M		M	M
CO6	M	M	-	-		-	H	H		H	M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)

COURSE : Fashion Merchandising (FNG)

COURSE CODE : 6462

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
04	--	--	04	03	Max.	80	20	100	--	--	--	100
					Min.	32	--	40	--	--	--	--

1.0 RATIONALE:

To make the students aware of various product developments, product plans, costing, distribution and thereby learn to merchandise any possible product in the industry.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Learn fashion movement
2. Learn fashion marketing concepts
3. Learn Market segmentation and positioning
4. Learn Merchandising strategies and processes
5. Learn Role and Responsibilities of a Merchandiser
6. Learn Export Documentation

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Define factors affecting fashion movement
2. Forecast trends according to segments.
3. Identify segments and differentiate product positioning
4. Work as a merchandiser
5. Able to prepare documents for shipping

4.0 COURSE DETAILS:

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
Unit-I Nature of Fashion	1a. Define/ state different terms 1b. Explain different Principles of fashion	1.1 Fashion terminology 1.2 Intangibles of fashion 1.3 Principles of fashion.	06
Unit-II Fashion Movement	2a. Explain fashion cycle 2b. Explain different theories of fashion 2c. State the factors affecting fashion movement	2.1 Fashion leaders, followers, laggards 2.2 Birth of fashion 2.3 Designer's role & types. 2.4 Manufacturer's role & types. 2.5 Theories of fashion adoption 2.6 Fashion cycle. 2.7 Factors affecting fashion movement (acceleration & retarding) 2.8 Environmental factors affecting fashion interest & demand.	10
Unit-III Fashion Design	3a. How will you categorize price market of apparel	3.1 Price market categories of apparel. 3.2 Capitalizing On Name Recognition.	06

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
Segment		3.3 Levels of fashion business	
Unit-IV Introduction To Fashion Marketing	4a. Define fashion marketing 4b. State 4P's of marketing 4c. State the role of fashion marketer 4d. State the responsibilities of marketing division 4e. Explain sociological aspect of consumer behaviour 4f. Explain psychological aspect of consumer behaviour	4.1 definition of fashion marketing, & its concept 4.2 4Ps of marketing 4.3 role of fashion marketers 4.4 Fashion marketing process. 4.5 Fashion market size & structure 4.6 F. Marketing Environment. 4.7 responsibilities of fashion marketing division 4.8 Understanding the fashion buyer/target customer. 4.9 Understanding the consumer behaviour & decision making process 4.10 Sociological & psychological aspects of consumer behaviour	08
Unit-V Target Market & Fashion Marketing Mix	5a. What is mass marketing 5b. Explain market segmentation	5.1 Mass marketing 5.2 Market segmentation. 5.3 Segmentation rationale, bases & strategy. 5.4 positioning & perceptual mapping	08
Unit-VI Fashion Marketing Research	6a. State THE PURPOSE OF FASHION marketing research 6b. Explain different data collection methods	6.1 purpose of marketing research 6.2 Overview of marketing research process. 6.3 Data collection methods. 6.4 Target customer profile. 6.5 Fashion trend, colour & fabric & trimming research.	06
Unit-VII Merchandising strategies and processes	7a. Explain the concept of apparel product line 7b. Explain the nature of merchandising responsibilities 7c. Explain line planning and development	7.1 Concept of apparel product lines 7.2 Dimensions of product change 7.3 Nature and timing of merchandising responsibilities 7.4 Line planning and development and presentation 7.5 business and marketing plans	06
Unit-VIII Role and Responsibilities of a Merchandiser	8a. State role of a merchandiser in communication and co-ordination 8b. Process between client & factories. 8c. Prepare work time and action plan. 8d. Describe the procedure to monitor dispatch and deliveries as per client requirements.	8.1 Communication & Co-ordination with clients & factories. 8.2 Coordination from sampling to production 8.3 Effective sourcing & purchasing of materials 8.4 Work on time & action plan for execution 8.5 Monitor dispatch & deliveries as per clients requirements 8.6 Ensure and satisfy the customer with regards to quality of the product.	08
Unit-IX Export	9a. Describe the procedure for shipping and documentation once goods	9.1 Invoice 9.2 Packing List 9.3 Letter of Credit	06

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
Documentation / Shipping	are 9b. Ready to export to customers. 9c. List the documents required in brief, to complete export documentation. 9d. List the trade barriers agreements for cross border shipments.	9.4 Bill of Lading 9.5 Shipping Logistics 9.6 Vessels & Containers 9.7 GSP - (Generalized System of Preference)	
		TOTAL	64

5.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):

Unit No.	unit title	Distribution of Theory marks			
		R Level	U level	A and Above levels	Total Marks
I	Nature Of Fashion	02	02	04	08
II	Fashion Movement	04	04	04	12
III	Fashion Design Segment	02	04	02	08
IV	Introduction To Fashion Marketing	02	04	04	10
V	Target Market & Fashion Marketing Mix	02	04	04	10
VI	Fashion Marketing Research	02	02	04	08
VII	Merchandising Strategies And Processes	02	04	02	08
VIII	Role And Responsibilities Of A Merchandiser	02	04	04	10
IX	Export Documentation / Shipping	02	02	02	06
	TOTAL	20	30	30	80

Legends: R= Remembrance (Knowledge); U= Understanding; A= Application & Above level (Revised bloom taxonomy)

Note: This specification table shall be treated as general guidelines for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.

6.0 ASSIGNMENTS/PRACTICALS/TASKS:

Not Applicable

7.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Select a product line and make a survey for USP and product positioning
2. Study any brand according to segment
3. Analysis of cyclical form of current fashion

8.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Show PPTs on above topics
2. Prepare question banks
3. Show export documents of any export house
4. Discuss live examples for topic- principles of fashion

9.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	Fashion Merchandising	Elaine Stone & Jean Samples.	McGraw Hill
2	World Of Fashion Merchandising	Mary Wolfee	Good Heart Willcox Company.
3	Fashion Marketing	Mike Easey	Blackwell Publishing.
4	Fashion Marketing theory principles & practice	Marianne Bickle.	Fairchild books.
5	Fashion from concept to consumer	Stephen Fringe	--

B) Software/Learning Websites

1. <http://www.fashiondesignscope.com/?p=117>
2. <http://www.fashiondesignscope.com/?p=3302>
3. http://www.academia.edu/6916512/DOCUMENTATION_PROCEDURE_OF_GARMENT_EXPORT_HOUSE
4. <http://howtoexportimport.com/Terms-of-Payment-in-Export-and-Import-32.aspx>
5. <http://textilelearner.blogspot.in/2013/10/role-of-merchandiser-in-apparel-industry.html>
6. <http://www.garmentsmerchandising.com/roles-of-a-merchandiser-in-garment-industry/>

C) Major Equipments/ Instruments with Broad Specifications

Not Applicable

10.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	-	M	H	-	M	M	H	M	H		M
CO2	M	H	M	-	M	M	H	M	H	M	M
CO3	M	H	M	-	M	M	M	M	H		M
CO4	H	M	H	-	H	M	M	M	H	H	M
CO5	M	M	M	-	H	M	M	H	H	H	M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)

COURSE : Apparel Production (ALP)

COURSE CODE : 6572

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
04	--	--	04	03	Max.	80	20	100	--	--	--	100
					Min.	32	--	40	--	--	--	--

1.0 RATIONALE:

This course provides an introductory view of the managerial and technical factors which influence the day to day operation of an apparel industry. The course guides to show how the process of design and product development within a company tests changes and refines fashion ideas, be they original adapted or copies.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Know process and structure of apparel industry.
2. Know sections and importance of design department.
3. Understand working of sourcing department and nature of purchase department.
4. Know costing
5. Understand time and motion study.
6. Know retail carrier opportunities
7. Distinguish retailing formats
8. Application of retail promotional strategies
9. Learn store policies for loss prevention
10. Understand intricacies of retail and promotion pricing.
11. Know branding and private labelling
12. Assortment and Inventory planning methods.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Work in any section of apparel.
2. Calculate cost of product.
3. Set a line.
4. Take decision of sourcing
5. Place purchase order
6. Calculate time
7. Select any carrier opportunity in retail sector
8. Apply functions for retail formats.
9. Select appropriate retail promotional strategies
10. Launch a brand or label
11. Plan and select resources as per consumer demand.

4.0 COURSE DETAILS:

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
Unit-I The Process and the Structure of the Apparel	1a. Explain the textile – apparel pipeline with importance. 1b. Explain structure of textile – apparel pipeline.	1.1 Structure 1.2 Technological environment of product development 1.3 Production sewing system 1.4 Introduction – The textile – apparel pipeline.	08

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
Industry		1.5 Importance of apparel manufacture to & in the textile pipeline	
Unit-II Design Department	2a. State the importance of design department 2b. Enlist the sections in design department	2.1 Creating an apparel line, market research 2.2 Forecasting, fashion trends, price structure, designing, planning the line, design inspiration, pattern making, production of sample garment, pattern grading.	08
Unit-III Design Department Operation	3a. Explain the working of sample room 3b. State the importance of communication in Design Department 3c. Explain the Design Department of Design Department	3.1 Sample Room: Introduction, production method, small scale, large scale, factory product sample, personnel & responsibilities 3.2 Communication: Garment identification, designer to staff, important of the specification, design department. 3.3 Management & organisation: Introduction, principal, planning & control, co-ordination, personnel, practice of management. 3.4 garment finishing & inspection: Finishing – (this sub topic included in AQM course)	10
Unit-IV Sourcing	4a. What is sourcing decision 4b. State the responsibilities of material buyer	4.1 Sourcing decision 4.2 Sourcing material 4.3 Responsibilities of materials buyers 4.4 Sourcing production	06
Unit-V Purchasing	5a. Explain objective, scope & functions of purchasing department 5b. What are the Responsibility of purchasing section 5c. Enlist the quality standards for purchasing 5d. List various costs involved in manufacturing a product. 5e. Define each cost. 5f. Describe the process to calculate the cost of the product.	Purchasing 5.1 Objective, scope & Functions of purchasing department 5.2 Responsibility of purchasing section 5.3 Purchasing procedure or purchasing cycle. 5.4 Material Requisition : Material Indent form, Travelling Requisition card, Bill of material 5.5 Quantity & Quality standards 5.6 Determining Right Quantity: Sales forecast, Production forecast. Costing and purchase orders 5.7 Determining Price : Price terms, Payment terms, cost comparative statement 5.8 Calling for bids or tender or quotation: Tender, Types of tenders, Invitation to BID or	12

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
		An Enquiry, Evaluation of bid. 5.9 Placing purchase order formats of indent/inquiry / P.O.	
Unit-VI The Designer & Garment Costs	6a. List various costs involved in manufacturing a product 6b. Define each cost. 6c. Describe the process to calculate the cost of the product.	6.1 Market specialisation, the average garment concept, the garment costing, designer's role in garment costing. 6.2 Design Costs 6.3 Manufacturing Cost 6.4 Labour Costs 6.5 Overhead & Marginal Costing 6.6 Profit	10
Unit-VII Time and Motion Study	7a. Explain work and time study concept 7b. Explain time calculation process	7.1 concept of work study and time study 7.2 process time calculation	10
		TOTAL	64

5.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):

Unit No.	unit title	Distribution of Theory marks			
		R Level	U level	A and Above levels	Total Marks
I	Process and Structure of Apparel Industry	02	06	04	12
II	Design Department	02	04	04	10
III	Design Department Operation	04	06	04	14
IV	Sourcing	04	04	04	12
V	Purchasing	02	04	04	10
VI	The Designer & Garment Costs	04	04	06	14
VII	Time and Motion Study	02	02	04	08
	TOTAL	20	30	30	80

Legends: R= Remembrance (Knowledge); U= Understanding; A= Application & Above level (Revised bloom taxonomy)

Note: This specification table shall be treated as general guidelines for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.

6.0 ASSIGNMENTS/PRACTICALS/TASKS:

Not Applicable

7.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Prepare flow chart of apparel pipeline.
2. Estimate the cost of any own constructed garment.
3. Visit to different onsite and offsite retail formats.
4. Collection of information on costumer services provided by retailers.
5. Collection of national, international brands and labels.

8.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Show clippings/PPT of sourcing and purchasing.
2. Arrange visit to industry.
3. Guide students for Market survey for loss prevention

9.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	Apparel manufacturing	Ruth E. Glock Grace I. Kunz	Prentice Hall
2	Business of Fashion	Nancy O. Bryant Leslie Davis Burns	Fairchild
3	Garment technology for fashion designing	Gerry Cooklin	Blackwell Science, Oxford
4	Introduction to clothing Production Management	A. J. Chuter	Blackwell Science
5	The apparel industry	Richard M. Jones	Om Publisher

B) Software/Learning Websites

1. <http://www.online clothing.com>

C) Major Equipments/ Instruments with Broad Specifications

Not Applicable

10.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	H	M	H	H	-	-	H	M	H	H	M
CO2	M	M	H	M	-	-	H	M	H	H	M
CO3	M	M	H	M	-	-	H	H	H	H	M
CO4	M	M	M	M	H	-	H	H	H	H	M
CO5	M	M	M	M	H	-	H	H	H	H	M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)

COURSE : Dyeing and Printing (DNP)

COURSE CODE : 6573

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
04	--	06	10	03	Max.	80	20	100	--	--	100	200
					Min.	32	--	40	--	--	40	--

1.0 RATIONALE:

To have an edge over others, designers need to do things differently and one of the ways is to enhance the fabric. It therefore becomes imperative to experiment with dyes, dyeing methods, printing and finishing in ways that have not been done before. The course matter provides an opportunity to the learner to practice this for printing of fabrics.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Apply dyeing, printing and finishing processes on cotton fabric
2. Use textile art in unconventional ways.
3. Dye and print fabrics using various conventional as well as unconventional techniques.
4. Carry out Dyeing, printing and finishing on appropriate fabrics.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Design garments using all techniques of dyeing and printing.
2. Describe process of resist printing & make innovative stencils.
3. Get the knowledge of dye types & selection of dyes.
4. Acquire knowledge of batik.
5. Acquire knowledge screen printing.

4.0 COURSE DETAILS:

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
Unit-I Types of Dyes	1a. Define the term vat dyes. 1b. Explain the common dye defects. 1c. Why selection of dyeing is important. 1d. Describe the Dyestuffs, colour fastness	1.1 natural dyes, 1.2 Synthetic dyes - azonic dyes, cationic dyes, direct dyes, disperse dyes, moderents, reactive dyes, vat yes. 1.3 Common dyes defects 1.4 Selection of dyeing method 1.5 Dyestuffs, colour Fastness	10
Unit-II Tie & Dye	2a. Enlist the types of tie & dye. 2b. Explain the history of tie & dye. 2c. Explain the method of tie & dye.	2.1 history & introduction 2.2 Types of tying (chevron, leheria, pegging, knotting, marbling, folding, stitching, object tying) 2.3 Method (tracing of designing, making of colour dyeing) 2.4 Maintenance & preservation	14
Unit-III Batik	3a. What is batik 3b. Write down step wise process of Batik dewaxing. 3c. State the different types of Batik & explain colouring process of batik.	3.1 history & introduction 3.2 Types of batik 3.3 Method (tracing of designing, waxing, making of colour, making of base salt, dyeing, dewaxing.) 3.4 Maintenance & preservation of batik	14

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
Unit-IV Block Printing	4a. What is resist printing? 4b. How to prepare dye paste for block printing. 4c. Define print. Explain block print & pigment print. 4d. How to develop multi colour block printing.	4.1 Define printing. 4.2 Types of printing methods.(block printing, Screen printing, digital printing, transfer printing, stencil printing, direct printing, roller printing) 4.3 Dyes used in block printing 4.4 Method of print (resist print, discharge print, emboss print, block prints, duplex print, pigments print)	14
Unit-V Screen Printing	5a. Define screen printing. 5b. Describe flat screen printing. 5c. Write down the importance of screen printing. 5d. Explain the tracing & design in screen printing.	5.1 Types of screen printing. a. Flat screen printing. b. Rotary screen printing. 5.2 Preparation of screen. 5.3 Preparation of dye paste. 5.4 Application on fabric. 5.5 Reclaiming screens 5.6 Study of inks for screen printing.	12
		TOTAL	64

5.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):

Unit No.	Unit Title	Distribution of Theory marks			
		R Level	U level	A and Above levels	Total Marks
I	Types of dyes	08	08	04	20
II	Tie & dye	08	04	04	16
III	Batik	04	06	04	14
IV	Block printing	08	04	04	16
V	Screen printing	04	06	04	14
	TOTAL	32	28	20	80

Legends: R= Remembrance (Knowledge); U= Understanding; A= Application & Above level (Revised bloom taxonomy)

Note: This specification table shall be treated as general guidelines for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.

6.0 ASSIGNMENTS/PRACTICALS/TASKS:

Sr.No.	Unit No.	Practical Exercises (Outcomes in Psychomotor Domain)	Approximate hours required.
1	Tie & dye	Using all four units prepare two garments with accessories.	24
2	Batik		24
3	Block printing		24
4	Screen printing		24
		TOTAL	96

7.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Design garments as per theme & draft, cut, dye & print & stitch.
2. Embellish the above garment.
3. Arrange the display of innovative garments and accessories.

9.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Arrange the work shop for screen & batik.
2. Arrange the presentation in the form of window display.
3. Show different articles & videos of all units.

10.0 LEARNING RESOURCES:**A) Books**

Sr.No.	Title of Book	Author	Publication
1	Textiles fiber to fabric(sixth edition)	Bernard P. Corbman	McGraw-Hill book company
2	Elementary Idea of Textile Dyeing, printing & finishing	Kanwar Varinder Pal Singh	Kalyani publication
3	Clothing Technology	H. Eberle, H. Hermeling, M. Hornberger, R. Kilgus.	Verlag Europa Lehrmittel Nourney, Vollmer GmbH & Co.KG
4	Technology of Textile finishing	V.A. Shenai	Sevak Publications, Mumbai
5	Technology of Dyeing	V.A. Shenai	Sevak Publications, Mumbai
6	Design of Textile machines	Fasal Ali Khan	Random Publications New Delhi

B) Software/Learning Websites

1. www.screenprinting.com
2. www.wikihow.com
3. www.bestdye.com
4. www.batikguild.org.uk
5. www.textilelearner.blogspot.in
6. www.artcave.eu
7. www.textilefashionstudy.com

C) Major Equipments/ Instruments with Broad Specifications

1. Gas, utensils of 10, 15 liter capacity.
2. Tubs & trays.
3. Stirrer spoons.
4. Dyes.

11.0 MAPPING MATRIX OF PO'S AND CO'S:

Course outcomes	Programme outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	M	H	M	H	M	H	M	M	M	M	M
CO2	M	M	M	H	M	H	M	L	H	M	M
CO3	M	H	L	M	L	M	L	-	L	M	M
CO4	M	M	L	H	L	H	M	L	L	MM	M
CO5	M	M	L	H	L	H	M	L	L	M	M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)
COURSE : World Costume (WDC) **COURSE CODE** : 6574

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
04	--	--	04	04	Max.	80	20	100	--	--	--	100
					Min.	32	--	40	--	--	--	--

1.0 RATIONALE:

The course will help students to gain knowledge of the traditional costumes, customs and life style of different countries of the world and also give them yet another source of inspiration to enhance their designing skills.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Learn the textiles, clothing makeup, and significance of influential countries.
2. Gain the knowledge about ornaments worn by region-wise male & female.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Acquire knowledge about traditional costumes of different nations & historical costumes they used.
2. Identify the costumes of various countries of the world & analyse the effects of influential countries on fashion.
3. Know the traditional silhouettes, colours & accessories pertaining to each country.
4. Acquire techniques of dress designing and style line adopted by each country.
5. Illustrate the traditional costumes of different nations & historical costumes.

4.0 COURSE DETAILS:

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
Unit-I China	1a. Name the opera costume of china 1b. Draw & explain mandarin dress of china. 1c. Explain in detail the practice of foot construction in ancient china. 1d. Explain accessories of china. 1e. Describe the makeup of china women's. 1f. Explain the Chinese court dress.	1.1 History & introduction(Manchu dynasty, han dynasty) 1.2 Men's wear(han suit) 1.3 Women's wear (cheongsam) 1.4 Warrior costumes 1.5 Mandarin's garments 1.6 Textile, prints, motifs, used (dragon) 1.7 Accessories (neck wear, foot wear, head wear, jewellery) 1.8 Knowledge of foot construction as practiced in ancient china 1.9 Knowledge of makeup	12
Unit-II Japan	2a. Define the obi. 2b. Write a note on the umbrella & hand fan used by Japanese ladies. 2c. What is uchikake? 2d. Give the name of basic costume of Japan. 2e. Write various fabric, pattern	2.1 history & introduction 2.2 Men's wear(kimono, kaku, obi) 2.3 women's wear (kimono for ladies of the court-Jurishitoe, kosode, hadajuban, susoyoke, yukata) 2.4 warrior costumes (kimono for samurai-furisode, uchikake, koshimoki)	12

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
	2f. & colour used in Japan. Explain the decorative techniques used in Japan. 2g. State in short about Mofuku & Houmongi kimono of Japan.	2.5 Textile, prints, motifs used accessories. (neck wear, footwear, obi or sash, head wear jewellery) 2.6 Knowledge of under cloths to create smooth foundation of kimono-hadajuban, nagajuban. 2.7 Knowledge of obi or sash-darariobi, fukuro obi, fukuro obi, fukuro Nagoya obi, hoso obi, hanhaba obi, heko obi, odori obi, obiomakura obi.	
Unit-III Egypt	3a. List out the name of god & goddesses in Egypt. 3b. Explain the warrior costume of Egypt. 3c. Explain the textile, print & motif of Egypt.	3.1 history & introduction 3.2 Mens wear (shenti, kalaseri, tunic, wrap dresses) 3.3 Women's wear(wrap dresses) 3.4 Warrior costumes (wrap dresses) 3.5 Textile, prints, motifs, used 3.6 Accessories (neck wear, footwear, head wear, jewellery) & makeup	10
Unit-IV Greek	4a. Illustrate & explain draping process of stola & palla of Greek female. 4b. Explain the accessories of Greek. 4c. Illustrate the peplos Ionic costumes of Greek.	4.1 Chiton-doric.loin cloth, Hellenistic, himation, giding head gear, foot wear, motifs, hair style 4.2 Toga tunic military wear, stole, palla.	10
Unit-V French Revolution	5a. Draw any one head gear used during Queen Elizabeth era. 5b. Who is Charles Fredric worth? Write his importance in fashion world. 5c. Why study of French revolution is important.	5.1 Study of French revolution 5.2 Queen Victoria 5.3 Henry viii 5.4 Queen Elizabeth 5.5 Charles Fedric Worth (father of modern couture.	10
Unit-VI Era Studies	6a. Explain the women's wear in gothic period. 6b. Describe the Byzantine period.	6.1 Gothic 1325 to 1985 6.2 Renaissance 1485 to 1560 6.3 Byzantine period 6.4 Baroque 1680 to 1715 6.5 Neoclassic 1775 to 1789	10
TOTAL			64

5.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):

Unit No.	Unit Title	Distribution of Theory marks			
		R Level	U level	A and Above levels	Total Marks
I	China	06	04	04	14
II	Japan	06	04	04	14
III	Egypt	06	04	04	14
IV	Greek	06	04	04	14
V	French Revolution	06	04	02	12
VI	Era Studies	04	04	04	12
TOTAL		34	24	22	80

Legends: R= Remembrance (Knowledge); U= Understanding; A= Application & Above level (Revised bloom taxonomy)

Note: This specification table shall be treated as general guidelines for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.

6.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Arrange the display on world costumes.
2. Arrange the work shop for draping garments.

7.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Arrange the work shop for draping.
2. Country wise costume shown by video.
3. Arrange the presentation of world costume

8.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	Illustrated Encyclopaedia of world costume	Doreen Yarwood	Dover Publication INC Mineola, New York
2	Western world costume an outline history	Carolyn G. Bradley	Dover Publication, INC Mineola New York.
3	A hand book of costume drawing.	Georgia O' Danier Baker	Elsevier a division New Delhi

B) Software/Learning Websites

1. www.fashion-era.com
2. www.travelchinaguide.com
3. <http://en.m.wikipedia.org>
4. www.jnto.go.jp/eng/in
5. www.japanzone.com
6. www.world4.eu/ancient-egyptian-costume
7. <https://en.m.wikipedia.org>
8. www.ebay.com
9. www.history.com

C) Major Equipments/ Instruments with Broad Specifications

Not Applicable

9.0 MAPPING MATRIX OF PO'S AND CO'S:

Course outcomes	Programme outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	M	M	L	M	M	L	H	L	L	-	M
CO2	M	M	M	L	M	M	M	M		-	M
CO3	M	H	L	M	L	M	H	L	L	-	M
CO4	M	H	L	H	M	M	L	M	L	-	M
CO5	M	M	L	M	L	L	M	M	L	-	M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)

COURSE : Fashion Retail Management (**FRM**)

COURSE CODE : 6575

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
04	--	--	04	03	Max.	80	20	100	--	--	--	100
					Min.	32	--	40	--	--	--	--

1.0 RATIONALE:

The field of Retail Management has opened up with the entry of big players in the Retail market. Innovative methodologies are being adopted to push retail sales. Professional opportunities are therefore growing by leaps and bounds.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Know retail carrier opportunities
2. Distinguish retailing formats
3. Application of retail promotional strategies
4. Learn store policies for loss prevention
5. Understand intricacies of retail and promotion pricing.
6. Know branding and private labelling
7. Assortment and Inventory planning methods.

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Select any carrier opportunity in retail sector
2. Apply functions for retail formats.
3. Select appropriate retail promotional strategies
4. Launch a brand or label
5. Plan and select resources as per consumer demand.

4.0 COURSE DETAILS:

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
Unit-I Retail Merchandising	1a. What role does retail stores play in channelling the products from producer to consumer. 1b. Explain the retail organizational structure.	1.1 Marketing channel. 1.2 Retail organization structure. 1.3 Organization functions. 1.4 Skills required for merchandising functions.	08
Unit-II Retailing Formats.	2a. Distinguish between different retailing formats. 2b. Non store retailing.	2.1 Study of different retailing formats.(onsite & offsite) 2.2 Discounters and other retailing formats.	08
Unit-III Retail Advertising & Promotion.	3a. Classification of retailing advertisement. 3b. Explain the techniques and special events of promotion adopted by retailer. 3c. State the importance of visual presentation in	3.1 Retailers' Sales Promotion (advertising, publicity & promotional programmes) 3.2 Basics of Visual merchandising (elements, principles & trends in VM). Store layout & fixtures. 3.3 Servicing the customers in	10

Unit	Major Learning Outcomes	Topics and Sub-topics	Hours
	retailing. 3d. Discuss the different types of customer services offered by retailers.	onsite & offsite ventures. 3.4 Sales representations, & other services.(onsite & offsite)	
Unit-IV Retail Merchandise Distribution and Loss Prevention.	4a. Explain merchandise distribution and receiving procedures. 4b. Effect of shoplifting on retailer's bottom line. 4c. Loss prevention methods.	4.1 Merchandise distribution 4.2 Merchandise marking 4.3 Loss prevention.	08
Unit-V Retail Pricing	5a. Enlist the retail pricing components. 5b. Explain promotional pricing and reasons for promotional pricing.	5.1 Retail Pricing & promotional pricing. 5.2 Impact of pricing on organization sales and profitability.	08
Unit-VI Brands & Labels	6a. Explain brand & brand positioning 6b. Define private label & state pros and cons of private label	6.1 Brand 6.2 Brand positioning 6.3 Licensing 6.4 Private labelling.	06
Unit-VII Merchandise Resources	7a. State the resources for merchandise buying.	7.1 Manufacturers, wholesalers, imports & trade shows	06
Unit-VIII Inventory Planning & Replenishment	8a. State different types of inventory planning methods 8b. Explain Assortment planning	8.1 Inventory planning methods 8.2 Inventory replenishment. 8.3 Assortment planning.	10
		TOTAL	64

5.0 SUGGESTED SPECIFICATION TABLE WITH MARKS (THEORY):

Unit No.	Unit Title	Distribution of Theory marks			
		R Level	U level	A and Above levels	Total Marks
I	Retail merchandising	02	04	04	10
II	Retailing formats	02	04	04	10
III	Retail advertising & promotion.	04	04	04	12
IV	Retail merchandise distribution and loss prevention.	02	04	04	10
V	Retail pricing	02	04	04	10
VI	Brands & labels	02	02	04	08
VII	Merchandise resources	02	04	02	08
VIII	Inventory planning & replenishment	04	04	04	12
	TOTAL	20	30	30	80

Legends: R= Remembrance (Knowledge); U= Understanding; A= Application & Above level (Revised bloom taxonomy)

Note: This specification table shall be treated as general guidelines for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.

7.0 ASSIGNMENTS/PRACTICALS/TASKS:

Not Applicable

8.0 STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Visit to different onsite and offsite retail formats.
2. Collection of information on costumer services provided by retailers.
3. Collection of national, international brands and labels.

9.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Show clippings/PPT of retail formats
2. Arrange visit to malls
3. Guide students for Market survey for loss prevention

10.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	Merchandise buying and management	John Donnellan	Fairchild books
2	Fashion from concept to consumer	Gini Stephen fringes	Pearson edition
3	Inside fashion business	Kitty Dickerson	Pearson edition

B) Software/Learning Websites

1. <http://study.com/academy/lesson/non-store-retailing-types-trends-examples.html>
2. <https://www.boundless.com/business/textbooks/boundless-business-textbook/product-distribution-16/retailers-102/nonstore-retailers-476-8123/>
3. <http://www.slideshare.net/chandra.itmw/11non-store-retailing2011>
4. <http://www.onlineclothing.com>

C) Major Equipments/ Instruments with Broad Specifications

1. Computer core2 duo with 2GB Ram, Mouse, Keyboard.
2. Visualiser and LCD Projector for demonstration

11.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	-	H	H	M	M	-	H	M	M	-	M
CO2	-	M	-	M	H	L	M	M	M	M	M
CO3	-	H	M	M	L	M	H	M	H	M	M
CO4	M	M	-	M	H	H	M	M	M	H	M
CO5	-	M	-	-	H	M	M	M	H	M	M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

TEACHING AND EXAMINATION SCHEME:

Teaching and Examination Scheme												
Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
--	--	08	08	--	Max.	--	--	--	50	--	100	150
					Min.	--	--	--	20	--	40	--

1.0 RATIONALE:

Students likely to work in the manufacturing sector of the industry should have knowledge of garment construction and hence this course will make them proficient in this field.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Learn designing party wear & casual wear for children's.
2. Studying the latest trends of accessories to develop the creative personal style of the wearer

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Develop wardrobe plan by designing western styles for children's.
2. Design garments as per the occasions.
3. Select appropriate material & design suitable accessories.
4. Construct & finish garment to the quality standard.
5. Design & suggest suitable accessories.

4.0 COURSE DETAILS:

There are no separate classes for theory as given below. The relevant theory has to be discussed before the practical during the practical sessions.

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics
Unit-I Jump suit block	1a. Which block is used for jump suit? 1b. Which type of pockets is stitched in jumpsuit?	1.1 study of Jump suit block 1.2 Understand the basic draft and create an innovation of the same 1.3 Draft & layout 1.4 Full scale draft & paper pattern of the above innovation 1.5 Cut, stitch & finish the garment
Unit-II Party Wear	2a. Design a party wear dress for girl/boy. 2b. Which material suit for party wear frock? 2c. Why lining is used in party wear frock?	2.1 Study of party wear garments 2.2 Understand the basic draft and create an innovation of the same 2.3 Draft & layout 2.4 Search suitable material 2.5 Cut, stitch & finish the garment
Unit-III Casual Wear	3a. What is casual wear? 3b. Which type of garments used in casual wear?	3.1 Study of casual wear 3.2 Draft & layout of blocks 3.3 Search suitable material 3.4 Cut, stitch & finish the garment
Unit-IV	4a. Design a dress of girl for any tradition.	4.1 Study of Indian traditional wear 4.2 Search suitable material.

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics
Indian traditional wear	4b. What is traditional wear?	4.3 Cut, stitch & finish.

5.0 ASSIGNMENTS/PRACTICALS/TASKS:

Sr.No.	Unit No.	Practical Exercises (Outcomes in Psychomotor Domain)	Approximate hours required.
1	Unit-I Jump suit block	1.1 Prepare full size paper pattern of innovative pattern of Jump suit block 1.2 Cutting & stitching of innovative pattern of Jump suit block	28
2	Unit-II Party Wear	2.1 Prepare full size paper pattern of innovative pattern of Party Wear for Boy /Girls 2.2 Cutting & stitching of innovative pattern of Party Wear for Boy /Girls	32
3	Unit-III Casual Wear	3.1 Prepare full size paper pattern of innovative pattern of Casual Wear (Boy / Girls) 3.2 Cutting & stitching of innovative pattern of Casual Wear (Boy / Girls)	34
4	Unit-IV Indian traditional wear	4.1 Prepare full size paper pattern of innovative pattern Of Indian traditional wear (Boy / Girls) 4.2 Cutting & stitching of innovative pattern of Indian traditional wear (Boy / Girls) (for ex. Stitched dhoti & kurta)	34
TOTAL			128

6.0 SUGGESTED STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Market serve for new patterns
2. Visit to garment industry & small scale unit.
3. Visit to exhibition for observation deferent garment designs
4. Collection of different types of patterns
5. Report preparation on visits.
6. Stylization of design for economic costs.
7. Supervising the garment manufacturing process.

7.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Show the clippings of drafting.
2. Show the clippings of Clothing Construction
3. Arrange expert workshop of drafting.

8.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	Pattern Making	Armstrong	Prentice Hall
2	Metric pattern cutting for children's wear	Winifred Aldrich.	Wiley Blackwell
3	Dress pattern making	Natalie Bray.	Wiley Blackwell

B) Software/Learning Websites

1. <http://www.mellysews.com>
2. www.pfaffusa.com/gathering_shirring_foot

C) Major Equipments/ Instruments with Broad Specifications

1. Single needle Lock stitch machine
2. Scissors
3. T shape ruler, I shape ruler
4. Hip curve, neck curve
5. Scale triangle
6. Model form
7. Table with felted tops
8. Steam iron

9.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	H	M	M	M	M			M	M	H	M
CO2	H	H	M	H	H	M	M	M		M	M
CO3	M	M	M	M	M	H	M	M	M	H	M
CO4	M	M	H	M	M	H	H	M	M	H	M
CO5	M	M	H	M	M	H	M	M	M	M	M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)
COURSE : Women's Wear (**WWR**) **COURSE CODE** : 6577

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
--	--	08	08	--	Max.	--	--	--	50	--	100	150
					Min.	--	--	--	20	--	40	--

1.0 RATIONALE:

Students likely to work in the manufacturing sector of the industry should have knowledge of garment construction and hence this course will make them proficient in this field.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Learn designing Indian wearing style of each category
2. Studying the latest trends of accessories to develop the creative personal style of the wearer
3. Construct the patterns

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Develop wardrobe plan by designing western styles.
2. Design garments as per the occasions.
3. Select appropriate material & design suitable accessories
4. Construct & finish garment to the quality standard.
5. Design & suggest suitable accessories.

4.0 COURSE DETAILS:

There are no separate classes for theory as given below. The relevant theory has to be discussed before the practical during the practical sessions.

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics
Unit-I Indian Ethnic Wear	1a. What is ethnic wear? 1b. Which styles mostly used in ethnic wear? 1c. Which type of print used in ethnic wear?	1.1 study of Indian ethnic wear 1.2 Understand the basic draft and create an innovation of the designs. 1.3 Draft & layout 1.4 Full scale draft & paper pattern of the above innovation 1.5 Cut, stitch & finish the garment
Unit-II Designer Party Wear for Women	2a. Write any five Indian & international designer names.	2.1 Study of designer. 2.2 Understand the basic draft and create an innovation of the same 2.3 Draft & layout 2.4 Search suitable material 2.5 Cut, stitch & finish the garment
Unit-III House Coat/ Night	3a. Do the draftings of house coat? 3b. Do the layout of house coat. 3c. Write the stitching process of housecoat.	3.1 Understand the basic drafting of house coat/night wear 3.2 Draft & layout 3.3 Search suitable material 3.4 Cut, stitch & finish the garment

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics
Wear		
Unit-IV Designer Saree	4a. Write any five Indian designer names. 4b. Write any two saree designer name.	4.1 Study of Indian designer. 4.2 Study of different designer saree. 4.3 Search suitable material. 4.4 Cut, stitch & finish saree with suitable accessories

5.0 ASSIGNMENTS/PRACTICALS/TASKS:

Sr.No.	Unit No.	Practical Exercises outcome in psychomotor domain)	Approx hrs required.
1	Unit-I Indian ethnic wear	1.1 Prepare full size paper pattern of innovative pattern of Indian ethnic wear 1.2 Cutting & stitching of innovative pattern of Indian ethnic wear	32
2	Unit-II Designer Party Wear for Women	2.1 Prepare full size paper pattern of innovative pattern of designer Party Wear 2.2 Cutting & stitching of innovative pattern of designer Party Wear	32
3	Unit-III House Coat/ Night Wear	3.1 Prepare full size paper pattern of innovative pattern of House Coat/ Night Wear 3.2 Cutting & stitching of innovative pattern of House Coat/ Night Wear	32
4	Unit-IV Designer saree	4.1 Designer saree construction with blouse	32
		TOTAL	128

6.0 SUGGESTED STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Visit to boutique & shops for new designs.
2. Visit to exhibition for observation deferent designs for
3. Stylization of design for economic costs.
4. Supervising the garment manufacturing process.
5. Search the forecasting sides.
6. Study the trends of the accessories & design & make for above patterns.

7.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Show the demonstration of drafting.
2. Show the different designer collection for planning the line.
3. Arrange expert workshop for draping, designing saree & finishing.
4. Guide the students for learning the trends.

8.0 LEARNING RESOURCES:

A) Books

Sr.No.	Title of Book	Author	Publication
1	Pattern Making	Armstrong	Prentice Hall
2	Metric pattern cutting for women's wear	Winifred Aldrich.	Wiley Blackwell
3	Ann Hagger	Lingerie wear	Wiley Blackwell
4	Helen Arm Strong	Pattern making	Prentice Hall
5	Reader's Digest	Complete guide to sewing	Readers Digest
6	Simplicity		
7	Simple Accessories	Jeff stone & Kim Johnson Gross	

B) Software/Learning Websites

1. www.namedclothing.com

C) Major Equipments/ Instruments with Broad Specifications

1. Sewing machine & attachments
2. Scissors
3. T shape ruler, L shape ruler
4. Hip curve, neck curve
5. Model form
6. Pressing tools
7. Felt top Cutting table
8. Ironing tables

9.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	H	M	M	M	M			M	M	H	M
CO2	H	H	M	H	H	M	M	M		M	M
CO3	M	M	M	M	M	H	M	M	M	H	M
CO4	M	M	H	M	M	H	H	M	M	H	M
CO5	M	M	H	M	M	H	M	M	M	M	M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

PROGRAMME : Diploma Programme in Dress Designing and Garment Manufacturing (DD)
COURSE : Men's Wear (**MWR**) **COURSE CODE:**6578

--

TEACHING AND EXAMINATION SCHEME:

Teaching Scheme				Examination Scheme								
Hrs / week			Credits	TH Paper Hrs.	Marks							
TH	TU	PR				TH	TEST	TH+TEST	PR	OR	TW	TOTAL
--	--	08	08	--	Max.	--	--	--	50	--	100	150
					Min.	--	--	--	20	--	40	--

1.0 RATIONALE:

Students likely to work in the manufacturing sector of the industry should have knowledge of garment construction and hence this course will make them proficient in this field.

2.0 COURSE OBJECTIVES:

The student will be able to

1. Learn designing Indian & western wearing style of men's.
2. Study the latest trends of accessories to develop the creative personal style of the wearer

3.0 COURSE OUTCOMES:

The course content should be taught and learning imparted in such a manner that students are able to acquire required learning outcome in cognitive, psychomotor and affective domain to demonstrate following course outcomes:

1. Develop wardrobe plan by designing western styles for men's.
2. Design garments as per the occasions.
3. Select appropriate material & design suitable accessories.
4. Construct & finish garment to the quality standard .
5. Design & suggest suitable accessories.

4.0 COURSE DETAILS:

There are no separate classes for theory as given below. The relevant theory has to be discussed before the practical during the practical sessions.

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics
Unit-I Blazer	1a. Design a blazer for a collage going boy. 1b. Which measurements are required for blazer? 1c. Which pockets are stitched in blazer? 1d. Write the stitching process of blazer.	1.1 Understand the basic draft and create an innovation of the same 1.2 Draft & layout 1.3 Full scale draft & paper pattern of the above innovation 1.4 Cut, stitch & finish the garment 1.5 Finishing techniques 1.6 should incorporate special seams and seam finishes in an outfit
Unit-II Sherwani	2a. Design a sherwani for a collage going boy. 2b. Which measurements are required for sherwani? 2c. Write the stitching process of sherwani. 2d. Which type of material used in sherwani?	2.1 Understand the basic draft and create an innovation of the same 2.2 Draft & layout 2.3 Full scale draft & paper pattern of the above innovation 2.4 Cut, stitch & finish the garment 2.5 Finishing techniques should incorporate special seams and seam finishes in an outfit
Unit-III	3a. Design a traditional wear.	3.1 Draft & layout 3.2 Full scale draft & paper pattern of the

Unit	Major Learning Outcomes (in cognitive domain)	Topics and Sub-topics
Indian Traditional wear		above innovation 3.3 Cut, stitch & finish the garment 3.4 Finishing technique.
Unit-IV Jeans	4a. Design a jeans for a collage going boy. 4b. Which measurements are required for jeans? 4c. Which pockets are stitched in jeans? 4d. Write the stitching process of jeans.	4.1 Understand the basic draft and create an innovation of the same 4.2 Draft & layout on 1/4th scale with cost sheet 4.3 Full scale draft 4.4 Cut, stitch & finish the above garment

5.0 ASSIGNMENTS/PRACTICALS/TASKS:

Sr.No.	Unit No.	Practical Exercises (Outcomes in Psychomotor Domain)	Approximate hours required.
1	Unit-I Blazer	1.1 Prepare full size paper pattern of innovative pattern of blazer. 1.2 Cutting & stitching of innovative pattern of Blazer	32
2	Unit-II Sherwani	2.1 Prepare full size paper pattern of innovative pattern of sherwani 2.2 Cutting & stitching of innovative pattern of sherwani	32
3	Unit-III Indian traditional wear	3.1. Prepare full size paper pattern of innovative pattern of Indian traditional wear. 3.2. Cutting & stitching of innovative pattern of Indian traditional wear.	40
4	Unit-IV Jeans	4.1 Prepare full size paper pattern of innovative pattern of Jeans for men 4.2 Cutting & stitching of innovative pattern of Jeans for men	24
TOTAL			128

NOTE:-Appropriate accessories of above three topics should be designed and constructed.

6.0 SUGGESTED STUDENT ACTIVITIES:

Following is the list of proposed student activities like

1. Plan the designs & studying the trends.
2. Survey for different material for above patterns.
3. Study the trends of the accessories & design & make for above patterns.

7.0 SPECIAL INSTRUCTIONAL STRATEGIES (IF ANY):

1. Workshop of stitching techniques of sherwani & blazer.
2. Guide students for embellishment trends- (ex. Digital printing)
3. Visit forecasting sites & help plan the line.
4. Library formation of pockets, collars.

8.0 Learning Resource

A) Books

Sr.No.	Title of Book	Author	Publication
1	Pattern Making	Armstrong	Prentice Hall
2	Metric pattern cutting for men's wear	Winifred Aldrich.	Wiley Blackwell
3	Dress pattern making	Natalie Bray.	Wiley Blackwell

B) Software/Learning Websites

1. www.mellysews.com
2. www.craftsy.com
3. www.whip-stitch.com

C) Major Equipments/ Instruments with Broad Specifications

1. Cutting machine
2. Sewing machine & attachments
3. Scissors
4. T shape ruler, L shape ruler
5. Hip curve, neck curve
6. Model form
7. Table with felted tops
8. Steam irons & steamer for study purpose

9.0 MAPPING MATRIX OF PO'S AND CO'S:

Course Outcomes	Programme Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
CO1	H	M	M	M	M			M	M	H	M
CO2	H	H	M	H	H	M	M	M		M	M
CO3	M	M	M	M	M	H	M	M	M	H	M
CO4	M	M	H	M	M	H	H	M	M	H	M
CO5	M	M	H	M	M	H	M	M	M	M	M

H: High Relationship, M: Medium Relationship, L: Low Relationship.

Annexure : I

Rules for Registration and Examination

Important Rules of Registration for courses.

1. An eligible student must register to minimum three courses and maximum seven courses during each term.
2. While registering for a course at the beginning of a term, a student shouldn't have backlog of more than seven courses of any term as carried over due to failure or any other reason.
3. A student can register for a Project work only after acquiring minimum 100 credits.
4. A student will have to re - register for a course/s if he / she is detained from the course/s for any reason.

Important Rules regarding Registration for Examination

1. A student can register for examination of only those courses for which he has registered and kept term.
2. A student can register for examination for not more than 10 courses in one examination.
3. A student will have to re-register for examination of theory or Practical / oral of a course if he / she fails in examination.
4. A student will be allowed to re-register for examination in accordance with rules if he / she was eligible to appear for last Examination but he/ she failed to appear last examination for any reason.
5. A student will not be able to cancel his registration after he / she is Registered for examination

Other Important Rules

1. A candidate will be eligible for the award of diploma when he / she acquires the required number of credits for a Programme.
2. No candidate will be allowed to appear for examination of any course unless the Head of the Department certifies that
 - 2.1 Attended at least 75% of the prescribed lecture hours, tutorial hours, practical hours or any other kind of work and or assignment for the course as the case may be in conformity with the provision laid down in the course contents.
 - 2.2 Satisfactorily completed specified laboratory practical, term work prescribed in curriculum for the course.
3. No candidate will be permitted to reappear to any course of any examination in which he has once passed.

Standard of Passing

1. Theory, total of theory and periodic test, practical, oral and termwork examination shall be separate head of passing.
2. To pass examination of any course, a candidate must obtain a minimum of 40% marks in each head of passing prescribed for that course taken separately.

Periodic Test

1. Two periodic tests will be conducted during each term for the courses as per their examination scheme.
2. Average marks of the two period tests will be considered for each course separately.
3. Reappearing for the periodic test for improvement of marks is not allowed.

Term Work

1. Term work is a document submitted by the candidate consisting of report of site / field visit and / or laboratory work and / or drawing sheets / sketch books / jobs / model. Such term work shall be submitted before the end of academic term and it shall be satisfactory in the opinion of concern faculty member, Head of the Department and Principal of Institute.

Grace Marks

1. Grace marks shall be applicable if the rules of "standards of passing" are fulfilled.
2. The grace of maximum three marks will be given in either in "Theory marks", or "Periodic test" or "total of theory and periodic test marks", if it falls short by maximum three marks to pass a course.
3. The grace of maximum three marks shall not be applicable twice for the same course. i.e. for "theory" and "total of theory and periodic test" of same course.
4. The grace marks are not applicable to practical, oral, term work examination.

Award of Class

First Class with Distinction	:	70% or more
First Class	:	60% and above but less than 70%
Second Class	:	50 % and above but less than 60%
Pass Class	:	40% and above but less than 50 %

Annexure : II

Evaluation Scheme for Project

Term Work : Max. Marks : 50 Min. Marks : 20.
Oral : Max. Marks : 50 Min. Marks : 20.

Progressive Assessment

Name of the student: **Enrolment No.:**
Term : II / III ODD / EVEN
Programme: Dress Designing and Garment Manufacturing
Course : Project **Code :** 6412 **Project Guide :**

Title of Project :

SN	Project Activities	Date / Week	Leader ship	Understanding	Observation & Accuracy	Contribution	Timely Completion	Total	Signature of Student	Signature of Guide	Signature of HOD
			5	5	5	5	5	25			
1	Formation of team & finalization of project	1									
2	Submission of synopsis : by each group	2									
3	Project activity plan	3									
4	Maintenance Project Diary	6									
5	Visits to Industries / Institutions / Market	7									
6	Collection of Data / Survey	9									
7	Analysis and Presentation of data.	10									
8	Pre submission seminar	13									
9	Presentation of Rough Work : hand written	14									
10	Final Project Report : Submission	15									
	Total by Internal : out of 250										

The Term Work : Convert the total given by internal to "out off 25".

Signature of Project Guide

Project assessment :

Term Work			Oral		
Internal	External	Total	Internal	External	Total
25	25	50	25	25	50

Annexure : III**Committees****1. Governing Body (GB)**

Sr. No	Name & Office Address	Governing Body Designation
1.	Shri. Pramod Naik Joint Director, Directorate of Technical Education, M.S. Mumbai	Chairman
2.	Shri. Mahendra Kothari Chairman, Maharashtra State Pipe & Allied Industry, D-5, MIDC Satpur, Nashik.	Member
3.	Shri. Ashok Katariya Chairman, Ashoka Group of Companies, Ashoka House, Ashoka Marg, Nashik.	Member
4.	Dr. Ramesh Unnikrishnan Regional Officer and Director, Regional Office, (AICTE) Regional Office, Western Region, Mumbai.	Member
5.	Shri. B. S. Joshi The Joint Director, Industries, Regional Office, Nashik	Member
6.	Shri. V. D. Patil Coordinator, NITTR-Bhopal Extension Center, Pune.	Member
7.	Shri. S. P. Wagh Chairman, Consumer Grievances Redressal M.S.E. Dist.Co.Ltd, Nashik	Member
8.	Shri. Kishor Patil Institute Of Career & Skills, 3, Adgaonkar plaza basement, ABB circle, Mahatma Nagar, Nashik-422007	Member
9.	Shri. Harishankar Banerjee President, NIMA, MIDC, Satpur, Nashik.	Member
10.	Shri. F. A. Khan Principal, Govt. Polytechnic, Aurangabad.	Member
11.	Shri. Manish Kothari Chairman, Institution of Engineers Nashik Local Centre, Nahik.	Member
12.	Prof. Dnyandeo P. Nathe Principal, Government Polytechnic, Nashik	Member Secretary

2. Board of Studies (BOS)

Sr. No.	Name & Office address	BOS Designation
1	Shri. S. P. Wagh Chairman, Consumer Grievances Redressal M.S.E. Dist. Co. Ltd, Nashik	Chairman
2	Shri. Sunil Bhor Project Management Consultant, 659/A wing second floor market, Shopping complex Dindori Road, Nashik.	Member
3	Shri. Bhalchandra R. Patwardhan Plot No.24, Atharva Raw House, Bhavik Nagar, Gangapur Road, Nashik-13.	Member
4	Shri. Kishor T. Patil Institute Of Career & Skills, 3, Adgaonkar plaza basement, ABB circle, Mahatma Nagar, Nashik-422007.	Member
5	Shri. Kishor Vyas Digilog System Pvt. Ltd., 15, Shriram sankul, Opp. Hotel Panchavati, Vakilwadi, Nashik.	Member
6	Shri. Chandrashekhar. B. Dahale F1, Computer Service, No. 2, Sukhraj, Near Parijatnagar bus stop, Nashik 422005	Member
7	Shri. M. M. Dube Sr. Executive, Systems, M & Q, C-1, MIDC, Ambad, Nashik-10	Member
8	Shri. Anant Tagare Principal Engineer, Validation, Mahindra & Mahindra Ltd., R & D Centre, 89, MIDC, Satpur, Nashik-422007	Member
9	Shri. Aaush Potdar Director, Poddar Clothing Industries, Nashik.	Member
10	Shri. Vijay Sanap Architect & Consultant, Soham Constructions, Nashik.	Member
11	Shri. Pramod U. Wayse Deputy Secretary (T), MSBTE, Regional Office, Osmanpura, Aurangabad-431005.	Member
12	Shri. P. T. Kadve Principal, K.K. Wagh Polytechnic, Nashik.	Member
13	Shri. R. N. Vaidya HOD, Civil Engg., Govt. Polytechnic, Nashik.	Member
14	Shri. S. R. Deshkukh HOD, Civil Engg (II Shift), Govt. Polytechnic, Nashik	Member
15	Dr. C. Y. Seemikeri HOD, Mechanical Engg., Govt. Polytechnic, Nashik.	Member
16	Dr. Sanjay Ingole HOD, Mechanical Engg (II Shift), Govt. Polytechnic, Nashik	Member
17	Shri. J. B. Modak I/C, HOD, Plastic Engg., Govt. Polytechnic, Nashik.	Member
18	Shri. L. S. Patil I/C, HOD, Elect. Engg., Govt. Polytechnic, Nashik.	Member

Sr. No.	Name & Office address	BOS Designation
19	Shri. Yogesh Sanap I/C, HOD Info. Tech. & Comp. Tech., Govt. Polytechnic, Nashik.	Member
20	Shri. A. S. Laturkar HOD, Electronics and Telecommunication Engg., Govt. Polytechnic, Nashik.	Member
21	Dr. S. D. Pable HOD, Electronics and Telecommunication Engg (II Shift), Govt. Polytechnic, Nashik	Member
22	Shri. T. G. Chavan I/C, HOD, Automobile Engg., Govt. Polytechnic, Nashik.	Member
23	Ms. T. J. Mithari I/C, HOD, Dress Design & Garment Manufacturing, Govt. Polytechnic, Nashik	Member
24	Ms. N. P. Adke I/C,HOD, Interior Design & Decoration, Govt. Polytechnic, Nashik	Member
25	Shri. V. H. Chaudhari I/C, Training & Placement Officer, Govt. Polytechnic, Nashik	Member
26	Shri. G. G. Wankhede Controller of Examination, Govt. Polytechnic, Nashik.	Member
27	Shri. S. P. Dikshit Lecturer in Civil Engg., I/C CDC, Govt. Polytechnic, Nashik	Member Secretary

3. Programme wise committee(PWC)

Sr. No.	Name & Office address	PWC Designation
1	Ms. T. J. Mithari Lect. in DDGM Dept. Government Polytechnic, Nashik	Chairman
2	Shri. Aadesh Pathak Director, Parmatamane Design Studio Pvt. Ltd, Nashik Engineering Cluster, C-10, MIDC, Nashik	Member
3	Ms. Sheetal Wakte Sr. Merchandiser, Rubbin Shah Exports Pvt. Ltd., Koparkherne, Navi Mumbai.	Member
4	Mrs. D. B. Kulkarni Diya's Fashion volcano Boutique, Jail Road, Nashik	Member
5	Shri. Pramod U. Wayse Deputy Secretary (T), MSBTE, Regional Office, Osmanpura, Aurangabad-431005.	Member
6	Ms. Farida Siddiqui Lecturer, Government Polytechnic , Aurangabad	Member
7	Ms M. M. Puranik Lect. in DDGM Dept. Government Polytechnic , Nashik	Member
8	Shri. S. P. Dikshit Lect., Civil Engg. Dept., Incharge CDC, Govt. Polytechnic, Nashik.	Member secretary

4. PROGRAMME CURRICULUM DEVELOPMENT COMMITTEE

Institute Level Curriculum Development Cell

Sr. No.	Name of the Faculty	Designation
1	Prof. D. P. Nathe	Principal, Government Polytechnic, Nashik
2	Shri. R. N. Vaidya	Head of Civil Engineering Department and Academic co-ordinator, Government Polytechnic Nashik
3	Shri. S. P. Dikshit	CDC Incharge, Lecturer in Civil Engineering, Government Polytechnic, Nashik
4	Dr. N. L. Patil	Lecturer in Civil Engineering, Government Polytechnic, Nashik.
5	Dr. S. V. Bhangale	Lecturer in Electrical Engineering, Government Polytechnic, Nashik.
6	Dr. S. J. Gorane	Lecturer in Mechanical Engineering, Government Polytechnic, Nashik.
7	Shri. N. N. Thakare	Lecturer in Plastic Engineering, Government Polytechnic, Nashik.

Department Level Committee

Sr. No.	Name of the Faculty	Designation
1	Ms. J. S. Lakade	I/C Head of Dress Designing And Garment Manufacturing Department, Government Polytechnic Nashik
2	Ms. T. J. Mithari	Lecturer in Dress Designing And Garment Manufacturing Department, Government Polytechnic Nashik
3	Ms. M .M. Puranik	Lecturer in Dress Designing And Garment Manufacturing Department, Government Polytechnic Nashik
4	Ms. S. H. Wankar	Lecturer in Dress Designing And Garment Manufacturing Department, Government Polytechnic Nashik

NITTTR Committee

Sr. No.	Name of the Faculty	Designation
1	Prof. R. G. Chouksey	Dean Student Welfare, Department of Vocational Education and Entrepreneurship Development, NITTTR, Bhopal.
2	Dr. Nishith Dubey	Professor, Department of Vocational Education and Entrepreneurship Development, NITTTR, Bhopal.

Contributors to Course Curriculum Development

Sr. No.	Name of the Faculty	Designation
1	Dr. A. R. Thete	Consultant. Director Center For Development of Leadership in Education Pvt. Ltd. Aurangabad.

Sr. No.	Name of the Faculty	Designation
2	Dress Designing And Garment Manufacturing Department, Government Polytechnic Nashik	
	Ms. J. S. Lakade	I/C Head of Department
	Ms. T. J. Mithari	Lecturer in Dress Designing And Garment Manufacturing Department
	Ms. M .M. Puranik	Lecturer in Dress Designing And Garment Manufacturing Department
	Ms. S. H. Wankar	Lecturer in Dress Designing And Garment Manufacturing Department
3	Other Departments, Government Polytechnic Nashik	
	Shri. S. D. Sanap	Lecturer in Mechanical Engineering
	Dr. S. S. Pathak	Lecturer in Civil Engineering
	Dr. S. G. Gorane	Lecturer in Mechanical Engineering
	Shri. P. S. Kulkarni	Lecturer in Mechanical Engineering
	Dr. D. R. Lulekar	Lecturer in Electrical Engineering
	Dr. K. V. Nemade	Controller of Examination, Lecturer in Automobile Engineering
4	Science and Humanities Department, Government Polytechnic Nashik	
	Shri. R. P. Landage	Lecturer in English
	Mrs. P. S. Joshi	Lecturer in English

Certificate

The curriculum of the programme has been revised in the year 2016, as per the provision made in curriculum development process of Government Polytechnic, Nashik. This is the **outcome based Curriculum of Diploma in Dress Designing and Garment Manufacturing programme**, which shall be implemented from academic year 2016-17.

Verified by

Department Level CDC Representative
Government Polytechnic, Nashik

Head of Department
Dress Designing and Garment Manufacturing
Government Polytechnic, Nashik

Incharge, Curriculum Development Cell
Government Polytechnic, Nashik.

Principal
Government Polytechnic, Nashik.