

5.1 ADVANCED PATTERN MAKING - I

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RATIONALE

The students are supposed to perform the jobs of pattern maker when engaged in garment manufacturing. After going through this subject, students will be able to manipulate different darts and increase or decrease any pattern proportions

DETAILED CONTENTS

PRACTICAL EXERCISES

1. Women's Shirts
 - Drafting Women's shirts
 - Adaptation of the women's shirt to various styles (3 Styles)
2. Drafting of kalidar kurta and churidar pyjama
3. Developing patterns for Women's
 - Skirts
 - Tops
 - Nightwear
4. Women's Trousers
 - Drafting of Women's trousers
 - Adaptation of Women's trousers to various styles (3 Styles)
5. Drafting of Men's:
 - Shirt Trouser
 - Nightwear

RECOMMENDED BOOKS

1. Pattern Making for Fashion design by Helen Joseph Armstrong
2. The ABC's of Grading by Murray Sacheir
3. Pattern Making for Fashion design by Armstrong
4. Basic Pattern Skills for Fashion Design by Bernard Zamkoff
5. Design Apparel Through the Flat Pattern by Ernestine Kopp

5.2 GARMENT CONSTRUCTION - V

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RATIONALE

The diploma holders in garment technology are supposed to fabricate the garments so it is very essential that they should be able to fabricate various garments as per the layouts and specifications. Hence this subject has been included in the curriculum in order to develop such competencies.

DETAILED CONTENTS

Practical Exercises

Construction of women's garments

1. Salwar kameez
2. Kalidar kurta and churdiar pyjama
3. Saree blouse
4. Lehnga choli
5. Night wear (in Knits)

RECOMMENDED BOOKS

1. Pattern Making for Fashion design by Armstrong
2. Clothing Construction by Doongaji; Raj Parkashan, Delhi
3. System of Cutting by Zarakar
4. Clothing Construction by Evelyn A Mansfield, Houghton Mifflin Co., Boston
5. Creative Sewing by Allynie Bane; McGraw Hill Book Co., Inc., New York
6. How You Look and Dress by Byrta Carson; McGraw Hill Book Co., Inc., New York
7. Complete Guide to Sewing by Reader's Digest

5.3 CAD IN FASHION DESIGN-II

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RATIONALE

The term CAD has found its way into all major disciplines that have got anything to do with designing or drafting techniques. The objective is to expose professionals and to meet the needs of the users by complementing their knowledge, skills, and creativity in the field of fashion design and their application in the industry.

DETAILED CONTENTS

PRACTICAL EXERCISES

1. Detailed study of Corel Draw and Adobe Photoshop.
2. Draw 3 profiles of female flesh figures (front, back and side view)
3. Design a nursery print
4. Design an executive wear along with accessories
5. Drape a saree with masking effect
6. Pick up a costume worn by a famous fashion model. Scan his/her figure and redesign the texture and the color combination of the dress.
7. Design a mood/story board according to the selected theme (both paper and computer assignment)
8. Logo & Labels designing
9. Create a brochure for your own label.

- Note:**
- a) Reference from Indian and Foreign Libraries are required
 - b) Visits to designer workshops
 - c) Visits to fashion shows and exhibitions, fairs etc

- d) Attend seminars regarding export promotion, industry strategies etc
- e) Latest information through media
- f) Personal interaction with the apparel industry people

RECOMMENDED BOOKS

1. Literature from the supplier of each software can be consulted
2. Corel Draw 12 – BPB Publication
3. Adobe Photoshop 5.5 - BPB Publication

5.4 APPAREL MANAGEMENT AND QUALITY CONTROL

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RATIONALE

Diploma holders in fashion design are required to lead a team of workers and motivate them towards realization of organizational objectives, with the knowledge and skill of apparel management and quality control.

DETAILED CONTENTS

PART A: PRODUCTION MANAGEMENT

1. Introduction to Basic Production Terms (04 hrs)
Production, productivity, work in process,
2. Production Planning and Control (08 hrs)
 - Types of production processes, job, batch and mass production
3. Material Handling (08 hrs)
 - Introduction and functions of material handling
 - Material handling equipment – their selection
 - Safety requirements while using material handling equipment

PART B: QUALITY CONTROL

4. What is Quality (06 hrs)
 - Need for quality control
 - Quality Control
 - Quality Assurance
 - Quality Standard
5. What is Inspection (06 hrs)
 - Role of operation and inspector in inspection

6. ISO – 9001 – 2008 & SA 8000 (06 hrs)
- Definition , need and benefits of Compliance
 - Introduction to ISO 9001 system
 - What is ISO and related quality serials
 - Benefits of ISO 9001
 - Cost distribution for ISO certification fees per garment
 - Different certification agencies
 - Introduction to SA 8000
 - Requirements of SA 8000
7. Major/minor defects classification and criteria of rejection/acceptance (10 hrs.)

LIST OF PRACTICAL

1. Analyzing test reports as per given specification of the buyer
2. Demonstration of basic fabric defects
3. Demonstration of sewing, finishing and packaging defects through a visit to an Industrial visit
4. Demonstration of various types of garment machinery

INSTRUCTIONAL STRATEGY

The teacher should take students to garment industries to show them various production processes and maintenance of quality of garments in the industry

RECOMMENDED BOOKS

1. Managing Quality by SK Bhardwaj and PV Mehta; New Age Publisher, Delhi
2. ISO 90001 –Textile Committee Manual

SUGGESTED DISTRIBUTION OF MARKS

Topic No.	Time Allotted (Hrs)	Marks Allotted (%)
1	4	8
2	8	16
3	8	16
4	6	13
5	6	13
6	6	13
7	10	21
Total	48	100

5.5 GENERIC SKILLS AND ENTREPRENEURSHIP DEVELOPMENT

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RATIONALE

Generic Skills and Entrepreneurship Development is one of the courses from "Human Science" subject area. Generic skills have emerged as an important component of employability skills, which enable an individual to become and remain employable over lifetime and to lead happy and prosperous life. Entrepreneurship development aim at developing conceptual understanding for setting-up one's own business venture/enterprise. This aspect of Human Resource Development has become equally important in the era, when wage employment prospects have become meager.

Both the subject areas are supplementary to each other and soft skills are required to be developed in diploma passouts for enhancing their employability and self confidence.

DETAILED CONTENTS

1. Introduction to Generic Skills (4 hrs)
 - 1.1 Importance of Generic Skill Development (GSD)
 - 1.2 Global and Local Scenario of GSD
 - 1.3 Life Long Learning (LLL) and associated importance of GSD.

2. Managing Self (8 hrs)
 - 2.1 Knowing Self for Self Development
 - Self-concept, personality, traits, multiple intelligence such as language intelligence, numerical intelligence, psychological intelligence etc.
 - 2.2 Managing Self - Physical
 - Personal grooming, Health, Hygiene, Time Management
 - 2.3 Managing Self – Intellectual development
 - Information Search: Sources of information
 - Listening: Effective Listening
 - Speaking: Effective Oral Communication
 - Reading: Purpose of reading, different styles of reading, techniques of systematic reading; Note Taking: Importance and techniques of note taking
 - Writing: Correspondence - personal and business

Note: Practical sessions should be coupled with teaching of effective listening, speaking, reading and writing.

2.4 Managing Self – Psychological

- Stress, Emotions, Anxiety-concepts and significance (Exercises related to stress management)
- Techniques to manage the above

3. Managing in Team (6 hrs)

- 3.1 Team - definition, hierarchy, team dynamics
- 3.2 Team related skills- sympathy, empathy, co-operation, concern, lead and negotiate, work well with people from culturally diverse background
- 3.3 Communication in group - conversation and listening skills

4. Task Management (3 hrs)

- 4.1 Task Initiation, Task Planning, Task execution, Task close out
- 4.2 Exercises/case studies on task planning towards development of skills for task management

5. Problem Solving (5 hrs)

- 5.1 Prerequisites of problem solving- meaningful learning, ability to apply knowledge in problem solving
- 5.2 Different approaches for problem solving.
- 5.3 Steps followed in problem solving.
- 5.4 Exercises/case studies on problem solving.

6. Entrepreneurship

6.1 Introduction (22 hrs)

- Concept/Meaning and its need
- Competencies/qualities of an entrepreneur
- Entrepreneurial Support System e.g., District Industry Centres (DICs), Commercial Banks, State Financial Corporations, Small Industries Service Institute (SISIs), Small Industries Development Bank of India (SIDBI), National Bank of Agriculture and Rural Development (NABARD), National Small Industries Corporation (NSIC) and other relevant institutions/organizations at State/National level.

6.2 Market Survey and Opportunity Identification (Business Planning)

- How to start a small scale industry

- Procedures for registration of small-scale industry
- List of items reserved for exclusive manufacture in small-scale industry
- Assessment of demand and supply in potential areas of growth.
- Understanding business opportunity
- Considerations in product selection
- Data collection for setting up small ventures.

6.3 Project Report Preparation

- Preliminary Project Report
- Techno-Economic Feasibility Report
- Exercises on Preparation of Project Report in a group of 3-4 students

INSTRUCTIONAL STRATEGY

This subject will require a blend of different teaching and learning methods beginning with lecture method. Some of the topics may be taught using question answer, assignment, case studies or seminar. In addition, expert lectures may be arranged from within the institution or from management organizations. Conceptual understanding of Entrepreneurship, inputs by teachers and outside experts will expose the students so as to facilitate in starting ones own business venture/enterprise. The teacher will discuss success stories and case studies with students, which in turn, will develop managerial qualities in the students. There may be guest lectures by successful diploma holding entrepreneurs and field visits also. The students may also be provided relevant text material and handouts.

RECOMMENDED BOOKS

1. Soft Skills for Interpersonal Communication by S. Balasubramanian Published by Orient BlackSwan, New Delhi.
2. Generic skill Development Manual, MSBTE, Mumbai.
3. Lifelong learning, Policy Brief (www.oecd.org)
4. Lifelong learning in Global Knowledge Economy, Challenge for Developing Countries – World Bank Publication
5. Towards Knowledge Society, UNESCO Paris Publication
6. Your Personal Pinnacle of Success by DD Sharma, Sultan Chand and Sons, New Delhi
7. Human Learning, Ormrod
8. A Handbook of Entrepreneurship, Edited by BS Rathore and Dr JS Saini; Aapga Publications, Panchkula (Haryana)
9. Entrepreneurship Development by CB Gupta and P Srinivasan, Sultan Chand and Sons, New Delhi
10. Handbook of Small Scale Industry by PM Bhandari

SUGGESTED DISTRIBUTION OF MARKS

Topic No.	Time Allotted (hrs)	Marks Allotted (%)
1.	4	5
2.	8	15
3.	6	10
4.	3	10
5.	5	10
6.	22	50
Total	48	100

5.6 MINOR PROJECT WORK

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Minor project work aims at exposing the students to industrial/field practices so as to have an appreciation of size, scale and type of operations; and work culture in the industries. Also the students will be able to comprehend concepts, principles and practices taught in the classroom and their application in solving field/industrial jobs.

For effective planning and implementation of this practical training, it is suggested that polytechnic should:

- a) Identify adequate number of industrial/field organizations where students will be sent for visits.
- b) Prepare a workbook (which can be used by students) for guiding students to perform definite task during the practical training.
- c) Identify teachers who would supervise the students and provide guidance during practical training.

The teachers along with industry personnel will conduct performance assessment of students. The criteria for assessment will be as below:

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|--------------------------------------|------|
| a) Punctuality and regularity | 15% |
| b) Initiative in learning new things | 15% |
| c) Relationship with workers | 15% |
| d) Report Writing | 25 % |
| e) Presentation/Seminar | 30 % |

Suggested themes

Hypothetical theme oriented towards market e.g. casual/sports/corporate wear etc.

It is required to be a group of minimum 4-5 students and each group would pick up a concept as following:

- i) Individually the students would design/complete outfit each (e.g. upper, lower, over garment, head gear, footwear & all others)
- ii) However they are required to make a group presentation of one complete collection of 5 outfits.

Note: Team spirit/group activity is to be given importance and understanding each others potential to create a collection. Fabric/colour/detailing has to be in continuation as one collection.

PERSONALITY DEVELOPMENT CAMP

This is to be organized at a stretch for two to three days during fifth or sixth semester. Extension Lectures by experts or teachers from the polytechnic will be delivered on the following broad topics. There will be no examination for this subject.

1. Communication Skills
2. Correspondence and job finding/applying/thanks and follow-up
3. Resume Writing
4. Interview Techniques: In-Person Interviews; Telephonic Interview' Panel interviews; Group interviews and Video Conferencing etc.
5. Presentation Techniques
6. Group Discussions Techniques
7. Aspects of Personality Development
8. Motivation
9. Leadership
10. Stress Management
11. Time Management
12. Interpersonal Relationship
13. Health and Hygiene