

6.1 Employment skills

RATIONALE

Diploma holders are required to not only possess subject related knowledge but also soft skills

to get good jobs and to rise steadily at their workplace. This subject is included to develop employability skills amongst the students.

DETAILED CONTENTS

1. Industrial Scenario Engineering Education and expectations of competences from an engineer by employer (04 periods)
2. Personality types, characteristic and features for a successful engineer (04 periods)
3. Professional Engineer desirable values and ethics and their development.
Relation between engineering profession, society and environment (04 periods)
4. Managing project (16 periods)
 - Leadership
 - Motivation
 - Time management
 - Resource management
 - Computer Software
 - Interpersonalrelationship
 - Engineer economics and fundamentals
5. EffectiveCommunication (08 periods)
 - Listening
 - Speaking
 - Writing
 - PresentationTechnique/Seminar
 - Group discussion
6. Preparing for Employment (08 periods)
 - Searching for job/job hunting
 - Resume Writing

 - Interview technique in personal interview telephonic interview, panel interview, group interview, video conference
7. Managing Self (06 periods)
 - . Managers body, mind, emotion and spirit
 - . Stress Management
 - . Conflict resolution

8. Continuing professional development (04 periods)
 - Organising learning and knowledge
 - Use of computer for organising knowledge resource
9. Creativity, Innovation and Intellectual property right (06 periods)
 - . Concept and need in present time for an engineer
10. Basic rules, laws and nonns to be adhered by engineers during their working (04 periods)

6.2 ADVANCED PATTERN MAKING – II

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, increase or decrease any pattern proportions and prepare commercial patterns.

DETAILED CONTENTS

Practical Exercises

1. Understanding of different sizing systems
2. Preparing Industrial Patterns as per the measurement chart (spec sheet) for the following:
 - Lady's trouser & adaptation into various styles
 - Harem pants,
 - Culottes,
 - Pleated trouser
3. Graduated flare (using slash and spread method)
4. Peplum (skirts)

RECOMMENDED BOOKS

1. Pattern Cutting for Women's Outwear by Cooklin, Gerry
2. Islamic Patterns: An Analytical and Cosmological Approach by Critchlow
3. Repeat Patterns: A Manual for Designers, Artists and Architects by Phillips and Bunce

6.3 GARMENT FABRICATION - VI

RATIONALE

The diploma holders in garment technology are suppose 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

1. Construction of the following garments:

- Lady's trouser
- Waist Coat (2 different length variations)
- Cape/Shrug
- Formal Indian Wear (suit/lehenga-choli/fusion wear)
- Tunic

RECOMMENDED BOOKS

1. Pattern Making for Fashion design by Armstrong
2. Clothing Construction by Doongaji; Raj Parkashan, Delhi
3. System of Cutting by Zarapkar
4. Clothing Construction by Evelyn A Mansfield, Hougutan Miffin 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

6.4 MANAGEMENT

RATIONALE

The knowledge of this subject is required for all engineers/technicians who wish to choose industry/field as their career. This course will also help those engineers who want to open their own industrial units. This course is designed to develop understanding of various functions of management, marketing techniques, various entrepreneurial support systems and preparation of project report.

DETAILED CONTENTS

1. Introduction to management
 - Principles of management
 - Functions of management
 - Importance of management
 - Scope of management
 - Qualities of management
 - Levels of management
2. Entrepreneurship and its support system
 - Concept/meaning/need
 - Qualities of an entrepreneur
 - Support system- DIC, Commercial banks, SIDBI, IDBI, NABARD
3. Market survey and opportunity identification
 - How to start a small scale industry
 - Procedures for registration of small scale Industry (S.S.I)
 - List of items reserved for exclusive manufacturer in S.S.I
 - Assessment of demand and supply in potential areas of growth
 - Consideration in product selection
4. Communication
 - Meaning, need, scope of communication
 - Importance of communication
 - Types of communication
 - Barriers of communication
5. Environmental consideration
 - Concept of ecology & environment

- Types of pollution(air, water. Noise)
- Factors contributing to Air, water & noise pollution
- Measures to control air, water & noise pollution

6. Financial Management

- Introduction to financial management
- Functions
- Objectives
- Taxes: income tax, sales tax, excise duty, custom duty, value added tax

7. Miscellaneous

- Leadership
- Motivation
- Labour
- Workers participation in management

RECOMMENDED BOOKS

1. Marketing Management by Phillip Kotler, Prentice Hall of India
2. Industrial Engineering and Management by OP Khanna, Dhanpat Rai & Sons, Delhi
3. Handbook of Entrepreneurship by BS Rathore, JS Saini

6.5 STYLIZED ILLUSTRATION

RATIONAL

This subject caters to develop professional skills of illustrating and presenting design sketches as per the industry norms. The student is expected to render quick sketches if the buyer demands the same. Also it will enhance their presentation skills.

CONTENT DETAIL

Make proper design for each and then do design stylisation and figure stylization of same

1. Western wear (casual)
2. Evening gown
3. Indian (traditional)
4. Indo western
5. Beach wear

This subject requires the students to develop her/his own sketching style and creative use of colour mediums to enable her/him for quick sketching of ideas and later making a detailed croqui of the design).

6.6 MAJOR PROJECT WORK (Industry Oriented-Practice Based)

Project work aims at developing professional skills in the students whereby they apply in totality the knowledge and skills gained through the course work in the solution of a practical problem undertaken as a project work. The students have different aptitudes and strengths. Project work, therefore, should match the strengths of students. For this purpose, students should be explained the objectives of the project work and then asked to identify the type of project work, they would like to execute. It is also essential that the faculty of the respective departments may have a brainstorming session to identify suitable project assignments. The project assignment can be individual or a group assignment. There should preferably be not more than 4 students if the project work is given to a group. The students should identify themselves or be given project assignment at least two to three months in advance. The identified project work must lead students to exposure and interaction with industry/field organizations in the world of work. Each teacher is expected to guide the project work of 4-5 students at a time. The project assignments may consist of : (This is only suggestive list, however, other projects may also be identified)

Documentation and Presentation:

1. Collecting the information regarding the selected topic.
2. Sourcing of material
3. Designing on outfit inspired from selected topic by the use of computer.
4. Patten development construction and presentation
5. Costing.

Note:

A viva voce examination shall be conducted at the end of the project for assessing the work of the student. The examination committee for this purpose shall consist of a professional and teacher who has guided the project. The project work should be properly displayed by the student

Suggested sources of inspiration Traditional textiles/costume embroidery/
Printing/accessories etc.

SUGGESTION