



UTTARAKHAND BOARD OF TECHNICAL EDUCATION
JOINT ENTRANCE EXAMINATION AND TRAINING, RESEARCH DEVELOPMENT CELL, DEHRADUN
STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME

BRANCH NAME – GARMENT TECHNOLOGY

SEMESTER – VI

Subject Code	Subject	L	T	P	T O T	EVALUATION SCHEME						Total Marks	Credit Point
						Internal		External					
						Theory Max Marks	Practical Max Marks	Theory		Practical			
								Max Marks	Hrs.	Max Marks	Hrs.		
Period/Weeks													
116001	Advance Pattern Making - II	-	-	5	5	-	50	-	-	50	3.0	100	6
116002	Garment Fabrication -VI	-	-	6	6	-	100	-	-	100	3.0	200	7
106001	Management	3	-	-	3	30	-	70	2.5	-	-	100	2
116003	Stylized Illustration	-	-	5	5	-	100	-	-	100	3.0	200	7
116004	Major project Work & Industrial Oriented Training	-	-	6	6	-	75 50	-	-	75 75	1.5	275	10
116052	Industrial Exposure (Assessment at Inst. Level) +	-	-	4	4	-	25	-	-	-	-	25	1
016054	General Proficiency (Disc/Game/SCA/NCC/NSS) #	-	-	4	4	-	25	-	-	-	-	25	1
016055	Employability skills	4	-	-	4	25	-	50	2.5	-	-	75	1
Total		7	-	30	37	55	425	120	-	400	-	1000	35

* Common with Fashion Design , Garment Technology & Textile Design.

** Common with All Branches.

Student Centered Activities will comprise of various co-curricular activities like games, hobby clubs, seminars, declamation contests, extension lectures, NCC, NSS and cultural activities etc.

Note : six week project based **industrial training** as per details specified in major project syllabus, out of six weeks, **four week during vacation after fourth semester and two week craft oriented training after fifth semester** till commencement of six semester. Craft oriented training cum major project work will be evaluated in six semester by an expert/examiner from industry.

Branch Code - 11



**SIXTH SEMESTER
GARMENT TECHNOLOGY**

L	T	P
-	-	5

Subject Code : 116001

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

L	T	P
-	-	6

Subject Code : 116002

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

L	T	P
3	-	-

Subject Code : 106001

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 communicatio

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

STYLIZED ILLUSTRATION

L	T	P
-	-	5

Subject Code : 116003

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).

MAJOR PROJECT WORK & INDUSTRY ORIENTED TRAINING

Subject Code : 116004

L	T	P
-	-	6

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 an outfit inspired from selected topic by the use of computer.
4. Pattern 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.

EMPLOYABILITY SKILLS

L	T	P
4	-	-

Subject Code : 016055

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

Unit I: (06 periods)

- Technical Education & Industrial scenario.
- Competency required of an engineer.

Unit II: (06 periods)

- Professional Engineer desirable values and ethics and their development.
- Relation between engineering profession, society and environment

Unit III: (12 periods)

Effective Communication

- Reading & Active Listening Skills
- Speaking
- Writing
- Presentation Technique/Seminar
- Group discussion

Unit IV: (12 periods)

Managing project

- Leadership
- Motivation
- Time management
- Resource management
- Interpersonal relationship

Unit V: (10 periods)

Preparing for Employment

- Searching for job/job hunting

- Resume & CV Writing
- Interview technique in personal interview telephonic interview, panel
- Interview, group interview, video conferencing

Unit VI:

(08 periods)

Self Management

- Self awareness
- Stress Management
- Conflict resolution

Unit VII:

(06 periods)

- Creativity, Innovation and Intellectual property right
- Concept and need in present time for an engineer

Unit VIII:

(04 periods)

Rules & Ethics

- Basic rules, laws and norms to be adhered by engineers during their working

LIST OF PRACTICAS

- Steps how to effectively write different types of Letters.
- Steps to make a Presentation in Power Point.
- Steps to make a Resume more effective.
- Steps to conduct Telephonic/On-line Interview (Through skype/Google Hangout).
- Study of Different Techniques of Stress Management.
- Study of Rules & Ethical practices to be followed at Workplace.

RECOMMENDED BOOKS

- Employability skills by Kapil Dev, Vishnu P. Singh Asian Pub. New Delhi
- Employability skills for Diploma students by Dr. S.K. Singh, Vayu Education, New Delhi

SUGGESTED DISTRIBUTION OF MARKS

Unit No.	Time Allotted (Periods)	Marks Allotted(%)
1	06	10
2	06	10
3	12	18
4	12	18
5	10	16
6	08	12
7	06	10
8	04	6
Total	64	100



LEARNING OUT COMES AND MEANS OF ASSESSMENT

BRANCH NAME – GARMENT TECHNOLOGY

SEMESTER – VI

S.NO.	Title of Subject/Unit	Learning Outcomes	Means of Assessment
1	EMPLOYMENT SKILLS	Ability to develop employability skills among the students	Quiz, mock interviews, drafting of letters etc class tests, mid term & end term etc
2	ADVANCE PATTERN MAKING-II	Ability to create pant styles, grading of patterns.	Assignments based on development of design details using principles of pattern making, class tests, mid term & end term etc.
3	GARMENT FABRICATION-VI	Ability to stitch stylish garment types	Assignments based on developed garment types, class tests, mid term & end term etc
4	MANAGEMENT	Ability to develop entrepreneurial skills.	Assignments based on presentation of file`class tests, mid term & end term etc
5	STYLIZED ILLUSTRATION	Ability to draw and render quick and stylized sketches.	Assignments based presentation, creative content and stylized concept, class tests, mid term & end term etc.
6	MAJOR PROJECT WORK(Industry oriented- Practice Based)	Ability to design, research and create a comprehensive layout of the final garment(designed and stitched)	Assignment based on comprehensive study and detailing put into the development of major project. Assessment on the basis of step by step development of the project. End term presentation.



TRAINEE FORMAT



INDUSTRIAL TRAINING/ FIELD EXPOSURE

1. i) Name of the student
- ii) Branch & Year
- iii) Minor & Major Project & its specifications
2. i) Date of joining
- ii) Date of Leaving
3. Name of the industry
- Address
- Tel no Fax E-Mail
4. Details of Industry
- i) Product, Brand name
- ii) Services
5. Section of the industry visited and activities there in different departments
-
-
6. Details of machine/tools and Instrument manufacturer's name with specification, model No. & Sr. No. Used in different departments of the industry
-
7. Work procedure in the section visited
-
8. Specification of the product of the section and materials used
-
9. Status of repair and maintenance cell
-
10. Details of the different shops related to production, repair and maintenance work
11. Name of checking and inspecting instruments manufacturer's name with specs model no, and their details with quality control measures taken
-

12. Description of any breakdown and it's restoring
.....
13. Use of computer -If any
.....
14. Visit of unit's store, mannerof keeping store items, their receiving and distribution. Details of format For requisition indent book, stock entry register
.....
15. Safety measures & installed equipments on work place & working conditions in general comfortable, convenient & hygienic
.....
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Signature Of Student

Trainee's Evaluation Sheet

We are always keen to receive your views on the trainee's. The feedback you give allows us to continually adapt /train our students to better suit your needs. We would appreciate it if you could spend a few minutes filling in this form before the Trainee leaves (please hand it to the trainer when you've finished).

All feedback will be treated in the strictest of confidence.

Duration of training course:

Date of Joining:

Name of Trainee:

Department:

	Poor	Average	Good	Excellent/Useful
Overall Verdict	1	2	3	4
attendance	1	2	3	4
Skill acquired	1	2	3	4
Sense of responsibility	1	2	3	4
obedience	1	2	3	4
Pace of Training	1	2	3	4
Coordinating skills	1	2	3	4
Trainee's creative input	1	2	3	4

Trainee's area of specialisation (if any)

Scope of improvisation (if any).....

Date:

Signature
Of The Department Head/ Incharge
Designation