

**MANIPUR UNIVERSITY**  
**COURSE STRUCTURE OF ADVANCED DIPLOMA (FASHION TECHNOLOGY)**  
**Under Community College Scheme**

**SEMESTER – I**

Sl. No	Course Code	Course Title	Load Allocation			Marks Distribution		Total Marks	Credits
			L	T	P	Internal	External		
1.	ADGE-101	Communicative English	6	0	0	20	80	100	6
2.	ADGE-102	Management Concepts and Organizational Behaviour	6	0	0	20	80	100	6
3.	ADFT-103A	Elements of Fashion & Design	3	0	0	10	40	50	3
4.	ADFT-103B	Elements of Fashion & Design (Lab)	0	0	3	10	40	50	3
5.	ADFT-104A	Fibre and Yarn Science	3	0	0	10	40	50	3
6.	ADFT-104B	Fibre and Yarn Science (Lab)	0	0	3	10	40	50	3
7.	ADFT-105A	Pattern Making and Garment Constructions-I	3	0	0	10	40	50	3
8.	ADFT-105B	Pattern Making and Garment Constructions-I (Lab)	0	0	3	10	40	50	3
<b>Total</b>			<b>21</b>	<b>0</b>	<b>9</b>	<b>100</b>	<b>400</b>	<b>500</b>	<b>30</b>

**SEMESTER – II**

Sl. No	Course Code	Course Title	Load Allocation			Marks Distribution		Total Marks	Credits
			L	T	P	Internal	External		
1.	ADGE-201	Personality Development & Communication Skills	6	0	0	20	80	100	6
2.	ADGE-202	Introduction to Information Technology (IT)	6	0	0	20	80	100	6
3.	ADFT-203A	Fabric Science and Analysis	3	0	0	10	40	50	3
4.	ADFT-203B	Fabric Science and Analysis (Lab)	0	0	3	10	40	50	3
5.	ADFT-204A	Fashion Illustration and Design	3	0	0	10	40	50	3
6.	ADFT-204B	Fashion Illustration and Design (Lab)	0	0	3	10	40	50	3
7.	ADFT-205A	Pattern Making and Garment Constructions-II	3	0	0	10	40	50	3
8.	ADFT-205B	Pattern Making and Garment Constructions-II (Lab)	0	0	3	10	40	50	3
<b>Total</b>			<b>21</b>	<b>0</b>	<b>9</b>	<b>100</b>	<b>400</b>	<b>500</b>	<b>30</b>

### SEMESTER – III

Sl. No	Course Code	Course Title	Load Allocation			Marks Distribution		Total Marks	Credits
			L	T	P	Internal	External		
1.	ADGE-301	Interpersonal Effectiveness & Business Communication	6	0	0	20	80	100	6
2.	ADGE-302A	Basics of Accounting & Finance	3	0	0	10	40	50	3
	ADGE-302B	Communicative Hindi	3	0	0	10	40	50	3
3.	ADFT-303A	Textiles Wet Processing	3	0	0	10	40	50	3
4.	ADFT-303B	Textiles Wet Processing (Lab)	0	0	3	10	40	50	3
5.	ADFT-304A	History of World Costumes	3	0	0	10	40	50	3
6.	ADFT-304B	History of Textiles and Costumes (Lab) Paper/Module	0	0	3	10	40	50	3
7.	ADFT-305A	Draping	3	0	0	10	40	50	3
8.	ADFT-305B	Draping (Lab)	0	0	3	10	40	50	3
<b>Total</b>			<b>21</b>	<b>0</b>	<b>9</b>	<b>100</b>	<b>400</b>	<b>500</b>	<b>30</b>

### SEMESTER – IV

Sl. No	Course Code	Course Title	Load Allocation			Marks Distribution		Total Marks	Credits
			L	T	P	Internal	External		
1.	ADGE-401	Entrepreneurship Development Programme (EDP): Theory & Practices of Entrepreneurship	6	0	0	20	80	100	6
2.	ADGE-402A	Human Resource Management, Planning & Development	3	0	0	10	40	50	3
3.	ADGE-402B	Basic Principles of Economics	3	0	0	10	40	50	3
4.	ADFT-403A	Apparel Production	3	0	0	10	40	50	3
5.	ADFT-403B	Apparel Production (Lab)	0	0	3	10	40	50	3
6.	ADFT-404A	Computer Application CAD (Lab-I)	0	0	3	10	40	50	3
7.	ADFT-404B	Computer Application CAD (Lab-II)	0	0	3	10	40	50	3
8.	ADFT-405	Project Work	0	6	0	20	80	100	6
<b>Total</b>			<b>15</b>	<b>6</b>	<b>9</b>	<b>100</b>	<b>400</b>	<b>500</b>	<b>30</b>

### SEMESTER – V

Sl. No.	Course Code	Course Title	Load Allocation			Marks Distribution		Total Marks	Credits
			L	T	P	Internal	External		
1.	ADGE-501	Environmental Studies -I	6	0	0	20	80	100	6
2.	ADGE-502	Business Research Methods (Research Methods for Courses Concerned)	6	0	0	20	80	100	6
3.	ADFT-503	Internship Training/Craft Documentation	6	0	0	20	80	100	6
4.	ADFT-504A	Fashion Marketing and Merchandising	3	0	0	10	40	50	3
5.	ADFT-504B	Grading (Lab)	0	0	3	10	40	50	3
6.	ADFT-505A	Needle Craft	3	0	0	10	40	50	3
7.	ADFT-505B	Needle Craft (Lab)	0	0	3	10	40	50	3
<b>Total</b>			<b>24</b>	<b>0</b>	<b>6</b>	<b>100</b>	<b>400</b>	<b>500</b>	<b>30</b>

### SEMESTER – VI

Sl. No	Course Code	Course Title	Load Allocation			Marks Distribution		Total Marks	Credits
			L	T	P	Internal	External		
1.	ADGE-601	Environmental Studies -II	6	0	0	20	80	100	6
2.	ADGE-602A	Business Laws & Ethics for Tourism (Optional Module)	6	0	0	20	80	100	6
	ADGE-602B	Food Laws and Legislation (Optional Module)							
3.	ADFT-603A	Nonwoven and Technical Textiles	3	0	0	10	40	50	3
4.	ADFT-603B	Garment Surface Ornamentation (Lab)	0	0	3	10	40	50	3
5.	ADFT-604A	Portfolio Presentation	3	0	0	10	40	50	3
6.	ADFT-604B	Portfolio Presentation (Lab)	0	0	3	10	40	50	3
7.	ADFT-605	Project Work	0	6	0	20	80	100	6
<b>Total</b>			<b>18</b>	<b>6</b>	<b>6</b>	<b>100</b>	<b>400</b>	<b>500</b>	<b>30</b>

## **SCHEME AND SYLLABUS OF B.Voc. DEGREE (FASHION TECHNOLOGY)**

### **First Semester**

**Paper Title: Communicative English**

**Paper/Module Code: ADGE101 Maximum Marks: 100**

**Contact Hours: Minimum 90 End Semester Exam: 80**

**Credit: 6 Internal Assessment: 20**

#### **Unit 1: (15 Hours)**

Principles of correct use of languages- words, sentences, paragraphs, continuity and flow. Pronunciation: Phonemic symbols, Consonants, Vowels, Syllable-word stress, Strong and weak forms, Intonation. Dialogue Practice (Students should be given ample practice in dialogue, using core and supplementary materials), Functional Grammar and Business Vocabulary- English for Specific Purposes, Phrasal Verbs, Word Pairs, Synonyms and Antonyms- Use of Tense.

#### **Unit 2: (15 Hours)**

Communication: Understanding Communication, The purpose of communication, The communication process, The importance of Communication, Communication in the organization, Forms of Communication- oral and written, verbal and non- verbal (kinesics, proxemics, Oculesics, Haptics, Paralinguistics, Chronemics), Barriers in effective Communication, Electronic media in Communication.

#### **Unit 3: (15 Hours)**

Listening skills: Difference between listening and hearing, Types of Listening, Barriers to listening, Academic listening- listening for details- listening and note taking- listening for sound contents videos- listening to talks and descriptions- listening for meaning- listening to announcements-listening to news programs.

#### **Unit 4: (15 Hours)**

Speaking skills: Interactive nature of communication, Importance of context- Formal & informal, Set expressions in different situations- Introducing-making, Requests-asking for giving permission, Giving instructions and directions, Agreeing/disagreeing, Seeking and giving advice, Inviting and apologizing, Telephonic skills, Public speaking, Conversational manners.

#### **Unit 5: (15 Hours)**

Professional Speaking skills: Group Discussion with evaluation, Debate, Presentation with evaluation, Jam/ Extempore, Mock Interview and Meetings with evaluation, Dealing with difficult people- Role play based on behavioral patterns.

#### **Unit 6: (15 Hours)**

Reading & Writing skill: Reading skills, Types, Reading strategies, Guidelines for effective reading, Writing as a skill, Functional use of writing- Principles of Communicative Writing, Business & Personal Letters, Formal letters, Covering letter, Follow-up letter, Application, Enquiry, Complaints, Reservations- E –Mails, CV Writing, Fax, Job application, Writing Proposals

**Reference Books:**

1. A. Ashley: Commercial Correspondence, Oxford University Press
2. Agrawal, Suchi: Business Communication- A streamlined approach to Business Communication, Authors Press
3. Bailey Stephen, "Academic Writing", ", Routledge, 2006
4. Hamp-Lyons, Liz, Ben Heasley, "Study Writing", 2<sup>nd</sup> Edition. Cambridge University Press, 2008
5. Horner, David & Strutt, Peter: Words at Work, Cambridge University Press
6. Ilona, Leki, "Academic Writing", CUP, 1998
7. Kenneth Anderson, Lynch T., Mac Lean J., "Studying Speaking" New Delhi: CUP, 2008
8. Littlejohn, Andrew: Company to Company, Cambridge University Press
9. Lynch T., "Studying Listening" New Delhi: CUP, 2008
10. Marks J., "English pronunciation in use", New Delhi: CUP, 2007
11. McCarter, Sam, Norman Whitby, "Writing Skills", Macmillan India, 2009
12. Nira `Konar: English Language Laboratories: A Comprehensive Manual, PHI Learning
13. Raman, Meenakshi & Sharma, Sangeeta: Communicative English, Oxford University Press
14. Raman, Meenakshi & Sharma, Sangeeta: Technical Communication, Oxford University Press
15. Raman, Meenakshi & Singh, Prakash: Business Communication, Oxford University Press
16. Robert, Barraas, "Students must write", Routledge, 2006
17. R.C. Sharma: Business Correspondence and Report Writing
18. Sweeney, Simon: Communicating in Business, Cambridge University Press

**Note for Paper Setting**

The question paper will contain two parts: Part-I is compulsory. There will be 10 questions carrying 2 marks each for Multiple Choices, Very Short Answer/Fill in the Blank type questions. Part-II will have 2 questions from each unit and the candidates will be required to answer one question from each unit, i.e. there will be internal choice within each unit. A case study may also be included in the question paper from any of the units wherever feasible.

**Paper Title: Management Concepts and Organisational Behaviour**

**Paper/Module Code:** ADGE102 **Maximum Marks:** 100

**Contact Hours:** Minimum 90 **End Semester Exam:** 80

**Credit:** 6 **Internal Assessment:** 20

**Unit 1: (15 Hours)**

Concept and Nature of Management: Concept & Definitions, Features of Management, Management As Science, Art & Profession, Levels of Management, Scope of Evolution of Management Thought. Approaches to Management (Classical, Behavioural, Quantitative Contingency), Contribution of Leading Thinkers, Recent Trends in Management Thought.

**Unit 2: (15 Hours)**

Planning and Decision Making: Nature, Strategic planning process and Types of Planning, Management by Objectives (MBO), TOWS Matrix & Porter's Industry Analysis, Decision Making, Forecasting.

**Unit 3: (15 Hours)**

Organising: Nature & Principles of Organisation, Departmentation, Span of Management, Authority & Responsibility, Delegation and Decentralisation of Authority, Forms of Organisation Structure, Line & Staff Functional Authority Relationships.

**Unit 4 (15 Hours)**

Directing: Nature & Scope of Directing, Motivation & Morale, Theories of Motivation, Communication, Leadership, Coordination.

**Unit 5: (15 Hours)**

Controlling: Nature & Process of Controlling, Techniques of Control, Control for Organisational Effectiveness and Organisational Culture.

**Unit 6: (15 Hours)**

Organisational Behaviour: Definition, Importance, Fundamental Concepts of Organisational Behaviour, Influence of Socio-Cultural Factors on Organisation, Perceptions, Personality and Attitudes, Learning, Group Dynamics, Management of Change, Conflict Management.

**Reference Books:**

1. Stoner, Freeman and Gilbert Jr., "Management", Prentice Hall of India, New Delhi, 2003
2. Gupta, C.B., "Management Concepts and Practices", Sultan Chand and Sons, New Delhi, 2003
3. O'Donnel, Koontz and Weihrich, "Management", Tata Mc Graw Hill Publishing
4. Robbins, S.P. "Organisational Behaviour", New Delhi, Prentice Hall of India, 2005
5. Prasad L.M. "Organisational Behaviour" New Delhi, Sultan Chand

**Note for Paper Setting**

The question paper will contain two parts: Part-I is compulsory. There will be 10 questions carrying 2 marks each for Multiple Choices, Very Short Answer/Fill in the Blank type questions. Part-II will have 2 questions from each unit and the candidates will be required to answer one question from each unit, i.e. there will be internal choice within each unit. A case study may also be included in the question paper from any of the units wherever feasible.

**Paper Title: ELEMENTS OF FASHION AND DESIGN**

**Paper/Module Code:** ADFT103A **Maximum Marks:** 50

**Contact Hours:** Minimum 45 **End Semester Exam:** 40

**Credit:** 3

**Internal Assessment:** 10

Unit-I	Definition of "Fashion", Elements of Fashion process: Fashion origin, Fashion cycles. Fashion theories and Fashion terminologies – fashion, fad, cycle, style, classics, boutique, trend, haute couture, designer, prêt a porter, silhouette, croquis, Street fashion, Fashion icon, fashion follower	15
Unit-II	Elements of Design (line, form, shape, space, texture and color), Principles of Design – (harmony, proportion, balance, rhythm and emphasis) relating it to anthropometrics	15
Unit-III	Color – color wheel, dimensions of color, psychological association of colors, basic color scheme	10
Unit-IV	Fashion designers, history and look into design concepts of famous designers, both Indian and International.	10

**Paper Title: ELEMENTS OF FASHION AND DESIGN (LAB)**

**Paper/Module Code:ADFT103B Maximum Marks:50**

**Contact Hours: Minimum 45 End Semester Exam: 40**

**Credit: 3**

**Internal Assessment:10**

Unit- I	Introduction to art media, Sketching techniques- Rapid, still life of simple objects, Sketching with photograph, Object Drawing.	10
Unit- II	Elements of basic design – Line, Form, Composition, colour , texture etc Principles of design-harmony, emphasis, proportion, balance and rhythm and its importance in designing.	15
Unit-III	Colour wheel –primary, secondary and tertiary colour scheme. Theory of Colour – warm and cool colors. Basic colour schemes – analogues, complimentary, monochromatic, neutral. Study of Positive and Negative - Grey scale.	15
Unit-IV	Fabric rendering: Learning to simulate textures of various fabrics	10

**Paper Title: FIBRE AND YARN SCIENCE**

**Paper/Module Code:ADFT104A Maximum Marks:50**

**Contact Hours: Minimum 45 End Semester Exam: 40**

**Credit: 3**

**Internal Assessment:10**

Unit - I	Introduction to textile fibers-Definition, Sources, Classification	10
Unit-II	Properties of natural fibers (vegetable and animal) i.e., cotton, flex, wool, silk, jute. Properties of Synthetic fibers i.e., Polyester, nylon, acrylic, rayon, spandex.	15
Unit-III	Spinning process for staple fibers for cotton , Ring spinning and rotar spinning, carded and combed yarns, woolen and worsted yarns.	15
Unit-IV	Texturisation - types (simplex and complex yarns) and uses, Blends- types, uses of blended yarns. Definition of yarn, Yarn count, yarn twist	10

**Paper Title: PATTERN MAKING AND GARMENT CONSTRUCTIONS - I**

**Paper/Module Code:ADFT105A Maximum Marks:50**

**Contact Hours: Minimum 45 End Semester Exam: 40**

**Credit: 3 Internal Assessment:10**

Unit-I	Introduction to pattern making and garment construction, parts of a sewing machine, Introduction to sewing thread, needles and their relationship with the fabric. Common problems of sewing and its remedies, Fabric preparation and basic rules for cutting of fabric. Estimation of cloth in different widths, Care and maintenance of sewing machine.	15
Unit-II	Tools for pattern making and Garment construction- Measuring tools, marking tools, Cutting tools, sewing tools, Pressing tools. Terminology- notches, grain, grain line, construction lines, center front line, center back line, bias, true bias, seam allowance	15
Unit- III	Pattern Making - drafting, draping, flat pattern techniques - principles, advantages & disadvantages. Flat pattern techniques- pivot, slash & spread method	20

**Paper Title: FIBRE AND YARN SCIENCE (Lab)**  
**Paper/Module Code:ADFT104B Maximum Marks:50**  
**Contact Hours: Minimum 45 End Semester Exam: 40**  
**Credit: 3**  
**Internal Assessment:10**

Unit - I	Identification of Textile fibres- Microscopic appearance (longitudinal and cross-sectional) and burning tests, Solubility tests for fibres- Cellulosic, Protein and Synthetic.	20
Unit- II	Geometrical properties of yarn – Twist, Count of the yarns using different yarn numbering system	15
Unit - III	Identification of varieties in Sewing threads & study of their properties like count, structure and twist.	15

**Paper Title: PATTERN MAKING AND GARMENT CONSTRUCTIONS –I Lab**  
**Paper/Module Code:ADFT105B Maximum Marks:50**  
**Contact Hours: Minimum 45 End Semester Exam: 40**  
**Credit: 3**  
**Internal Assessment:10**

Unit- I	Sewing machine: parts, working and maintenance of sewing machine, its threading, bobbin winding. Sketching the Basic sewing machine and parts. Practice on paper, stitching on fabric (straight, curves & corners), Working of over lock machine	10
Unit- II	Definition and understanding of hand stitching techniques : Running, Basting: uneven/even/diagonal hemming – Plain, blind, Slit, Backstitch, tailor's tack, button hole, overcasting.	10
Unit- III	Seams and seam finishes : Definition, their usage and types: Plain, flat fell, French, Edged taped, binding, serged (overlocked) Fullness techniques/shaping devices: dart, tucks, pleats, gathers, ruffles, shirring, smocking, Application of buttons and buttonholes, hooks and eyes, snap fasteners, zipper	15
Unit- IV	Body ideals- size charts- infant, children, men, women (standard measurement), Pattern preparation for women's basic blocks front, back, sleeve & skirt	15



## Second semester

**Paper Title: Personality Development & Communication Skills**

**Paper/Module Code: ADGE201 Maximum Marks: 100**

**Contact Hours: Minimum 90 End Semester Exam: 80**

**Credit: 6 Internal Assessment: 20**

<b>Unit 1: (15 Hours)</b>	Understanding Personality: Benefits of Self Knowledge, Personality Type, Patterns of diversity, Energy sources- Extroversion. Ways to talk people like you. Make people think in your way. Analyse worry.	
<b>Unit 2: (15 Hours)</b>	Personality Development Training: Interview skill- Interview dress code, Controlling your nerves, Positive visualization, Creating a positive Impression, Opening conversation, Assessing the degree of formality, Getting comfortable, Recovering from poor starts etc.	
<b>Unit 3: (15 Marks)</b>	Group Discussion- Questions, attributes, Individual characteristics, Do's & Don'ts, Must & Must Not's. Management skills- Time Management, Keeping & Analysing time log, Task typing, Effective decision making, Break daunting tasks etc.	
<b>Unit 4: (15 Hours)</b>	Meeting Skill: Meeting agenda, Illustration of agenda, Guidelines, Formal closure of meeting, Action notes etc. Negotiation skill: Introduction, Phases of negotiation, Characteristics of negotiation, Critical factors, Types of approaches etc. use of concessions, Concessions trading, Avoiding use of trends, Removing deadlock.	
<b>Unit 5: (15 Hours)</b>	Presentation skill: Preparation of venture, Attention to detail, Equipment check, Optimisation of seating arrangements, Audience, Final Preparation. Getting started, Introduction, Best style, Using audio-visual aids. Body language, Communication, Movement, Eye Contact, Posture. Control, Reading audience, Coping audiences with hostile.	
<b>Unit 6: (15 Hours)</b>	Writing Strategies & Study Skills: Paragraph writing- Characteristics of good paragraph, Paragraph writing tips, Types of paragraphs. Essay Writing- Types of essays, Precis writing- Paraphrasing & Summarizing, Note taking- Tips of note taking, Synopsis, Reports, Professional Brochures, Surveys, Questionnaires, Writing Proposals.	

### Reference Books:

1. Agrawal, Suchi: Business Communication- A streamlined approach to Business Communication, Authors Press
2. Bajpai, B.L.: Making Management still more effective
3. Bajpai B.L.: Indian Ethos and Modern management
4. Bailey Stephen, "Academic Writing", ", Routledge, 2006
5. Hamp-Lyons, Liz, Ben Heasley, "Study Writing", 2<sup>nd</sup> Edition. Cambridge University Press, 2008
6. Horner, David & Strutt, Peter: Words at Work, Cambridge University Press
7. IGNOU: Study materials
8. Ilona, Leki, "Academic Writing", CUP, 1998
9. Kenneth Anderson, Lynch T., Mac Lean J., "Studying Speaking" New Delhi: CUP, 2008
10. Littlejohn, Andrew: Company to Company, Cambridge University Press
11. McCarter, Sam, Norman Whitby, "Writing Skills", Macmillan India, 2009
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13. Raman, Meenakshi & Sharma, Sangeeta: Communicative English, Oxford University Press
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### Paper Title: Introduction to Information Technology (IT)

**Paper/Module Code:** ADGE202 **Maximum Marks:** 100

**Contact Hours:** Minimum 90 **End Semester Exam:** 80

**Credit:** 6 **Internal Assessment:** 20

<b>Unit 1: (15 Hours)</b>	Introduction to computers- Definition of computer, Advantages and Characteristics, Origin, Evolution, Types. Classification of computers, Essentials of computer systems Generation of computers, Essentials of computer systems Data and information, Data representation, Bits and bytes, Number systems conversion, Binary arithmetic.	
<b>Unit 2: (15 Marks)</b>	Components of computers- Hardware: Hardware elements- Input devices, Memory types (primary & secondary), Storage devices, Processing & Output devices. Software: Software and its classifications, Types of software, Operating software- DOS & Windows.	
<b>Unit 3: (15 Hours)</b>	Application Software: Windows based MS Word, Excel, Power point (MS Office). Internet: Browser, Search engine, World Wide Web (WWW), Websites, e-mail etc.	
<b>Unit 4: (15 Hours)</b>	Programming languages- Low level languages (machine, assembly), high level languages, Translators (assembler, compiler, interpreter), Utilities- Software utilities (zip, recovery, pdf etc.), Hardware utilities (hardware diagnosis, partition managers etc.), Viruses, definitions & types.	
<b>Unit 5: (15 Hours)</b>	Application of IT in Industries: Use of networks, Internet, Intranet, Extranet, Types of Network (LAN, WAN, MAN), Centralized & Global reservation system, Intranet, Property Management systems. Computer for communication in companies: Application in MS Word, MS Excel & Power point for industries.	
<b>Unit 6: (15 Hours)</b>	Uses of computers in industries: Performing front office operations, Features of Packages. Back office Management- Use of Property management system. Computerized management system and their application for sales and Yield management & Billing.	

### Reference Books:

1. Yadav, D.S.: Fundamentals of Information Technology. New age International Publisher, New Delhi
2. Goel, R. & Kakkar, D.N.: Computer Applications in Management. New Age Publisher, New Delhi
3. Saxena, S & Chopra, P.: Computer Applications in Management. Vikas Publishing House Pvt. Ltd. New Delhi
4. Lucey, T: Management Information System. BPB Publication, New Delhi, 1997

5. Obrien, James A.: Management Information System. Tata McGraw Hill Publication, New Delhi
6. Fundamental of Computers, Prentice Hall India
7. Mastering Microsoft Office, Lonnie.E.Moseley, BPB Publication

**Paper Title: FABRIC SCIENCE AND ANALYSIS**  
**Paper/Module Code:ADFT203A Maximum Marks:50**  
**Contact Hours: Minimum 45 End Semester Exam: 40**  
**Credit: 3 Internal Assessment:10**

<b>Course Objective:</b> The objective of the course is to introduce the students to the fundamentals of yarns and fabrics, so that they can understand the raw material they will be eventually using.		
Unit-I	Introduction on different methods of fabric formation- woven, knitted and nonwoven fabrics, Properties and end uses	10
Unit-II	Woven Fabric formation – weaving preparatory, objectives and brief study of process- winding, warping, sizing, Types of looms- Handloom/Power loom, throw shuttle and fly shuttle looms. Weaving methods of Loin loom (KhwangIyong) of Meitei/ST/SC/Muslim.	10
Unit - III	General Characteristics of woven fabrics and their importance– count of yarn, fabric grain, Thread density, Fabric width, Fabric weight and selvages	10
Unit-IV	Elementary weaves- glossary and characteristics of Plain, twill, Satin, sateen	10
Unit-V	Knitting- mechanism, characteristics, types and uses. Differences between knitted and woven.	10

#### **Note for Paper Setting**

The question paper will contain two parts: Part-I is compulsory. There will be 10 questions carrying 2 marks each for Multiple Choices, Very Short Answer/Fill in the Blank type questions. Part-II will have 2 questions from each unit and the candidates will be required to answer one question from each unit, i.e. there will be internal choice within each unit. A case study may also be included in the question paper from any of the units wherever feasible.

**Paper Title: FABRIC SCIENCE AND ANALYSIS**  
**Paper/Module Code:ADFT203A Maximum Marks:50**  
**Contact Hours: Minimum 45 End Semester Exam: 40**  
**Credit: 3 Internal Assessment:10**

<b>Course Objective:</b> The objective of the course is to introduce the students to the fundamentals of yarns and fabrics, so that they can understand the raw material they will be eventually using.		
<b>Unit-I</b>	Introduction on different methods of fabric formation- woven, knitted and nonwoven fabrics, Properties and end uses	10
<b>Unit-II</b>	Woven Fabric formation – weaving preparatory, objectives and brief study of process- winding, warping, sizing, Types of looms- Handloom/Power loom, throw shuttle and fly shuttle looms. Weaving methods of Loin loom (KhwangIyong) of Meitei/ST/SC/Muslim.	10
Unit - III	General Characteristics of woven fabrics and their importance– count of yarn, fabric grain, Thread density, Fabric width, Fabric weight and selvages	10
Unit-IV	Elementary weaves- glossary and characteristics of Plain, twill, Satin, sateen	10
Unit-V	Knitting- mechanism, characteristics, types and uses. Differences between knitted and woven.	10

**Paper Title: FABRIC SCIENCE AND ANALYSIS Lab**  
**Paper/Module Code:ADFT203 B Maximum Marks:50**  
**Contact Hours: Minimum 45 End Semester Exam: 40**  
**Credit: 3 Internal Assessment:10**

Unit - I	Identification of weaves- Collection of fabrics for basic weaves- sample, uses with checker board design.	10
Unit-II	Analysis of fabrics- design, draft, denting and lifting plan for plain, twill and satin.	10
Unit-III	Collection of various types of fabrics based on application- apparel, upholstery and furnishings.	10
Unit- IV	Visits- One visit to a spinning and weaving unit	20

**Paper Title: FASHION ILLUSTRATION AND DESIGN**  
**Paper/Module Code:ADFT204 A Maximum Marks:50**  
**Contact Hours: Minimum 45 End Semester Exam: 40**  
**Credit: 3 Internal Assessment:10**

Unit - I	Introduction to fashion Illustration and brief history of fashion illustration, Study of two well known Fashion Illustrators.	10
Unit-II	Fashion Figure, study of various proportions. 8 head, 10 head, 12 head figures, the fashion face, arms, legs, Hands and feet. Illustrating male figure and children.	10
Unit-III	Origins of fashion and clothing theories, Clothing as modesty, protection, status and religious symbol, Fashion as status symbol, the major fashion centers	10
Unit- IV	Garment Features .types of collars, yoke variations, pockets, cuffs, sleeves, Trousers, Skirts. Types of silhouettes	10
Unit-V	Fashion Psychology, role of clothing in physical, social, psychological and cultural scenario, Human behaviour and clothing.	10

**Paper Title: FASHION ILLUSTRATION AND DESIGN (Lab)**  
**Paper/Module Code:ADFT204B Maximum Marks:50**  
**Contact Hours: Minimum 45 End Semester Exam: 40**  
**Credit: 3 Internal Assessment:10**

**Course Objective:** Introduction to fashion illustration and its role in fashion design Basics of clothing origins

Unit - I	Fashion illustrations . 8 head, 10 head, 12 head figures with different poses and Drawing male, female and children figures	20
Unit-II	Fashion figure details and stylization of various parts, including the fashion face, torso, limbs	20
Unit-III	Garment Features .types of collars, cuts, yokes, pockets, cuffs, sleeves (5 each Drawing of fashion silhouettes - Types of silhouettes, blouses, shirts. Skirts, trousers, dresses	10

Paper Title: PATTERN MAKING AND GARMENT CONSTRUCTION- II

Paper/Module Code:ADFT205 A Maximum Marks:50

Contact Hours: Minimum 45 End Semester Exam: 40

Credit: 6 Internal Assessment:10

Objectives: To introduce the concept of garment making. To impart knowledge and skills required for garment components.

Unit-I	Fullness- Darts, pleats, tucks, gathers Necklines-construction and finishing of different piping, facing (bias facing, shaped facing)	15
Unit-II	Collars - Definition, terms, classification, and types .Flat, rolled collars mandarin, shirt, sailor Yokes- Definitions, purpose, types-with fullness & without fullness, Shapes & construction	10
Unit-III	Sleeves . definition, terminologies, types- Sleeves along with bodice and set in sleeves. Plackets- definition, one side extended, both side extended, concealed. Pockets- Definitions, purpose, Patch pockets, Patch pockets with flap, Inseam pockets, welt kurta pockets	15
UNIT-IV	Skirts . Basic-flared, circular, gathered, pleated, basic waist band application	10

**Paper Title: PATTERN MAKING AND GARMENT CONSTRUCTION- II (Lab)**

**Paper/Module Code:ADFT205B Maximum Marks:50**

**Contact Hours: Minimum 45 End Semester Exam: 40**

**Credit: 3 Internal Assessment:10**

Objectives: To develop skill in the area pattern making with special emphasis on basics of garments design

Unit-I	Dart manipulation: slash & spread method, Pivot method. Dart Manipulation- conversion of darts to tucks, pleats, gathers, seam lines etc.	10
Unit-II	Sleeves- plain, gathered, leg-o-mutton, kimono Collars -Flat, rolled collars, mandarin, shirt, sailor Yokes-With and without fullness style lines Pockets- Patch pockets, Patch pockets with flap, Inseam pockets, welt kurta pockets Plackets- one side extended, both side extended, concealed.	20
Unit-III	Skirt variations: Basic-flared, circular, gathered, pleated, basic waist band application	20

### Third Semester

**Paper Title: Interpersonal Effectiveness & Business Communication**

**Paper/Module Code: ADGE301 Maximum Marks: 100**

**Contact Hours: Minimum 90 End Semester Exam: 80**

**Credit: 6 Internal Assessment: 20**

Unit 1: (15 Hours)	Use of English language for communication, Pronunciation: Phonemic symbols, Consonants, Vowels, Syllable-word stress, Intonation. Dialogue Practice, Grammar and Business Vocabulary- Phrasal Verbs, Word Pairs, Diminutives, Homonyms, Homophones, Synonyms and Antonyms, Use of Tense. English idioms & Idiomatic expressions.	
Unit 2: (15 Hours)	Communication: Concept & Process, Forms of Communication- Verbal, Visual & Non-verbal, Body language- Kinesics, Para-language; Media/Channels of Business Communication, Barriers to Business Communication & Overcoming methods.	
Unit 3: (15 Hours)	Personal skills: Knowing oneself- JOHARI window, Transactional analysis, Confidence building, Defining strengths, Thinking effectively, Personal values-time & Stress management. Art of effective communication & Listening.	
Unit 4: (15 Hours)	Workplace Speaking: Steps of effective Speaking, Workplace communication essentials, Team briefing, 12Cs of Team building, Conflict management- Elements of conflict, Steps to resolve conflicts, Workplace conflict management strategies. Negotiation skills, Meeting & Guidelines for effective meeting.	
Unit 5: (15 Hours)	Business Correspondence- Faxes, Memos, e-mail, Reports, Memorandum, Meeting, Documentation etc. Telephone equipment & Telephone handling for business purposes. Technology enabled Business Communication. Audio-visual communication.	
Unit 6: (15 Hours)	Writing Business letters, Components, Kinds of Business letters, Planning and the 7Cs of Business writing. Business reports & Proposals writing- Importance, Need, Types, Techniques, Languages, Structure, Planning & Drafting.	

#### Reference Books:

1. Agrawal, Suchi: Business Communication- A streamlined approach to Business Communication, Authors Press
2. Lesikar, Pettit: Business Communication. AITBS
3. K.K. Sinha: Business Communication. Galgotia Publishing House
4. Shirley Taylor: Communication for Business. Pearson Education Asia
5. Asha Kaul: Effective Business Communication. Prentice Hall of India
6. Rajinder Pal: Business Communication. Himalayan Publishing House

#### Note for Paper Setting

The question paper will contain two parts: Part-I is compulsory. There will be 10 questions carrying 2 marks each for Multiple Choices, Very Short Answer/Fill in the Blank type questions. Part-II will have 2 questions from each unit and the candidates will be required to answer one question from each unit, i.e. there will be internal choice within each unit. A case study may also be included in the question paper from any of the units wherever feasible.

**Paper Title: Basics of Accounting& Finance****Paper/Module Code: ADGE 302A Maximum Marks: 50****Contact Hours: Minimum 45 End Semester Exam: 40****Credit: 3 Internal Assessment: 10**

Unit 1: (8 Hours)	Introduction- Accounting- Definition, Nature& Scope, Objectives of Financial accounting, Accounting v/s Book Keeping, Conceptual framework- Accounting concepts, Generally Accepted Accounting Principles (GAAP), and Conventions, Accounting standards. Recording of transactions- Journals, Subsidiary books, Ledger, Cash book, Bank reconciliation statement, Trial balance.	
Unit 2: (7 Hours)	Preparation of Final accounts- Preparation of trading and Profit & Loss account and Balance sheet of sole proprietary business with adjustments. Basics of computerized accounting- Journalizing and preparing final accounts using TALLY.	
Unit 3: (8 Hours)	Nature of Financial Management: Introduction- Financial Functions; goals of financial management; risk & return trade off; organization of finance functions, time value of money. Basic of capital budgeting: Nature of investment decisions; importance of investment decisions; investment evaluation criteria; capital budgeting techniques . NPV, IRR, payback and accounting rate of return.	
Unit 4: (7 Hours)	Capital Structure: Source of Finance; meaning of capital structure, Determinant of capital structure, Financial Leverage, Debt capacity of company Debt equity ratio.	
Unit 5: (8 Hours)	Working Capital Management: Concept of working capital; need for working capital; determinants of working capital; computation of working capital; an elementary knowledge of components of working capital management: cash management, receivables management and inventory management	
Unit 6: (7 Hours)	Financial Statements and Analysis: Meaning, Analysis . Ratio, Fund flow, Cash flow, Cost volume Analysis. Dividend decisions: Introduction; meaning of dividend; aspects of dividend policy; practical considerations on dividend policy; forms of dividend.	

**Reference Books:**

1. Gupta R.L. and Radhaswamy, M.: Advanced Accounting. Sultan Chand & Sons, New Delhi.
2. Shukla M.C., Grewal T.S. & S.C. Gupta: Advanced Accounts. S. Chand & Co. Ltd. New Delhi
3. Jain S.P.. and Narang P.L.: Financial Accounting. Kalyani Publishers, New Delhi
4. Naseem Ahmed, Nawab Ali Khan & Gupta M.L.: Fundamentals of Financial Accounting: Theory & Practice. Ane Books Pvt. Ltd. New Delhi
5. Anthony and Reece, Management Accounting Principles : Text and Cases
6. Pandey, L.M., Management Accounting : A Planning and Control Approach, Vikas Publication.
7. Davis D., The Art of Managing Finance, Mc Graw Hill.
8. Pandey, I.M., Financial Management, Vikas Publication
9. Van Horne, Financial Management and Policy, Prentice Hall.
10. Panday, I.M., and Bhatt, Ramesh, Cases in Financial Management, TATA Magraw Hill.
11. Van Horne/ Financial Management & Policy, 12th edition, Prentice hall of India
12. Financial Management by I.M. Pandey . Vikas Publishing House
13. Financial Management by P. V. Kulkarni & B. G. Sathyaprasad- Himalaya

**Note for Paper Setting**

The question paper will contain two parts: Part-I is compulsory. There will be 10 questions carrying 2 marks each for Multiple Choices, Very Short Answer/Fill in the Blank type questions. Part-II will have 2 questions from each unit and the candidates will be required to answer one question from each unit, i.e. there will be internal choice within each unit. A case study may also be included in the question paper from any of the units wherever feasible.

Paper Title: Communicative Hindi

Paper/Module Code: ADGE 302B Maximum Marks: 50

Contact Hours: Minimum 45 End Semester Exam: 40

Credit: 3 Internal Assessment: 10

Unit 1: (10 Hours)	Principles of correct use of Hindi languages- words, sentences, paragraphs, continuity and flow. Pronunciation: Consonants, Vowels, Syllable-word stress, Intonation. Dialogue Practice (Students should be given ample practice in dialogue, using core and supplementary materials), Functional Grammar and Business Vocabulary, Synonyms and Antonyms- Use of Tense.	
Unit 2: (5 Hours)	Communication: Understanding Hindi Communication, The importance of Hindi Communication in India, Communication in the organization, Forms of Communication- oral and written, verbal and non- verbal.	
Unit 3: (10 Hours)	Listening skills: Academic listening- listening for details- listening and note taking- listening for sound contents videos-listening to talks and descriptions- listening for meaning- listening to announcements-listening to news, programmes etc.	
Unit 4: (10 Hours)	Speaking skills: Interactive nature of communication, Importance of context- Formal & informal, Set expressions in different situations- Introducing-making, Requests-asking for giving permission, Giving instructions and directions, Agreeing/disagreeing, Seeking and giving advice, Inviting and apologizing, Telephonic skills, Public speaking.	
Unit 5: (10 Hours)	Reading & Writing skill: Reading skills, Reading strategies, Guidelines for effective reading, Writing as a skill, Functional use of writing- Business & Personal Letters, Formal letters, Application, Notice, Enquiry, Complaints, E .Mails, Fax, Job application. REFERENCES???	

**Note for Paper Setting**

The question paper will contain two parts: Part-I is compulsory. There will be 10 questions carrying 2 marks each for Multiple Choices, Very Short Answer/Fill in the Blank type questions. Part-II will have 2 questions from each unit and the candidates will be required to answer one question from each unit, i.e. there will be internal choice within each unit.

**Paper Title: TEXTILES WET PROCESSING**

**Paper/Module Code: ADFT303 A Maximum Marks: 50**

**Contact Hours: Minimum 45 End Semester Exam: 40**

**Credit: 3 Internal Assessment: 10**

Course Objectives : To impart knowledge of textile and garment wet processing. To introduce students to various chemicals, dyes and auxiliaries used for chemical processing



Unit - I	Introduction to wet processing, Preparatory processes: singeing, scouring, degumming, bleaching and mercerization.	10
Unit - II	Dyeing- Introduction, classification and application of dyes, direct, basic, acid, reactive and disperse dyes, Indigenous Vegetable dyeing process of Meitei/SC/ST/Muslim in Manipur, Methods of dyeing: stock, yarn, piece and union	10
Unit-III	Printing methods- block, screen, roller; styles of printing- direct, resist, discharge and transfer	10
Unit-IV	Finishes- definition, types. Basic/routine- Tentering, carbonizing, sanforising, calendaring. Functional/special-waterproof, water repellent, antimicrobial, flame retardant.	10
Unit - VI	Care of fabrics . Principles of laundering, stain removal, various solvents used and different methods of washing, soaps and detergents used during washing.	10

**Paper Title: TEXTILES WET PROCESSING (Lab)**  
**Paper/Module Code:ADFT303 B Maximum Marks:50**  
**Contact Hours: Minimum 45 End Semester Exam: 40**  
**Credit: 3 Internal Assessment:10**

Unit - I	Scouring, Bleaching and Mercerization of Cotton yarn/Fabric Degumming and Bleaching of silk yarns	15
Unit - II	Dyeing: Acid dyes, direct dyes, resist dyes and natural dyes.	10
Unit - III	Block printing using reactive OR direct dyes Tie and dye using direct dyes, Batik using reactive dyes	15
Unit - IV	Stain removal of oil, soil, grease, blood and beverages, polish, lipstick and curry.	10

**Paper Title: HISTORY OF WORLD COSTUMES**  
**Paper/Module Code:ADFT304 A Maximum Marks:50**  
**Contact Hours: Minimum 45 End Semester Exam: 40**  
**Credit: 3 Internal Assessment:10**

**Course Objectives:** The objective of the course is give an insight and input about the various aspects of the History of the costumes of the world right from the origin. The students learn about the historic importance and relevance of the costumes and take inspiration and influence for their own creations.

Unit-I	Introduction historic costumes of Egyptian, Assyrian, Babylonian, Greek, Indian , Roman and Byzantine.	10
Unit-II	13-14th century	10
Unit-III	15,16 and 17th centuries	10
Unit-IV	18th and 19th centuries	10
Unit-VI	Study of any one traditional Attire of Manipur (Meitei/Muslim/tribe) Origin of Meitei Mayek Naibi Phanek, KhoiLonba	10

**Paper Title: HISTORY OF TEXTILES AND COSTUMES (Lab ) Paper/Module**

**Code:ADFT303 B Maximum Marks:50**

**Contact Hours: Minimum 45 End Semester Exam: 40**

**Credit: 3 Internal Assessment:10**

Unit-I	Sketching of costumes of Egyptian, Greek, Roman, French, Chinese & Japanese Sketching of costumes . Indus valley, Vedic, Mauryan, Kushans & Gupta.	10
Unit-II	Sketching of costumes .Mughal (men & women.)	10
Unit-III	Sketching of regional costumes of India (men & women)	15
Unit-IV	Preparation of concept, Research and Mood board for contemporary design based on one western costume and one Indian costume.	15

**Paper Title: DRAPING**

**Paper/Module Code:ADFT305 A Maximum Marks:50**

**Contact Hours: Minimum 45 End Semester Exam: 40**

**Credit: 3 Internal Assessment:10**

**Course Objectives :**

To introduce the Basic Draping techniques To familiarize students with Draping methods for different kinds of garments

Unit-I	Introduction to draping- Principles of Draping, Fitting methods, Tools & equipments used in draping	10
Unit-II	Draping Terminology . Apex, Balance, Plumb line, Truing, Blocking, Blending, Princess line, Clipping and marking.	10
Unit-III	Basic Draping Techniques- Bodice Front, Bodice Back, basic skirt, Dart Manipulation Techniques	15
Unit-IV	Draping Techniques- Dresses-Bias, Princess line, neckline -Cowl, collar-mandarin, peter pan, Sleeves, Yokes .shoulder, midriff, hip line.	15

**Paper Title: DRAPING (Lab)**

**Paper/Module Code:ADFT103 A Maximum Marks:50**

**Contact Hours: Minimum 45 End Semester Exam: 40**

**Credit: 3 Internal Assessment:10**

Unit-I	Introduction to Draping	5
Unit-II	Tools & Equipments used in Draping	10
Unit-III	Basic Draping methods . Bodice Front & Back, Skirt Front & Back	15
Unit-IV	Draping . Sleeves, Collars, Yokes, fullness.	10
Unit-V	Draping . Blouse, skirt and dress.	10

## Fourth Semester

**Paper Title: Entrepreneurship Development Programme (EDP): Theory & Practices of Entrepreneurship**

**Paper/Module Code: ADGE 401 Maximum Marks: 100**

**Contact Hours: Minimum 90 End Semester Exam: 80**

**Credit: 6 Internal Assessment: 20**

Unit: 1(15 Hours)	The concept of Entrepreneurship: Definition, Significance; Types of entrepreneurs, characteristics-functions, Charms of being an Entrepreneur, Entrepreneurial traits, Distinction between entrepreneur and manager, Entrepreneur and intrapreneur, Entrepreneur and Entrepreneurship- traits and motivation- Theories of motivation- Maslow• fs Need Hierarchy theory ,McClelland• fs Three Needed model and Aldefer• fs ERG theory. Problems faced by a new entrepreneur.	
Unit: 2(15 Hours)	Entrepreneurship and Intrapreneurship. Entrepreneurial process; identification of an opportunity, market assessment, analyzing competitive situation, understanding trade practices, resource mobilization. Entrepreneurship as a preferred • gCareer Option• h. Role and Importance of Entrepreneur in economic growth and socially responsible business. Factors affecting entrepreneurial growth in general. Women empowerment and entrepreneurship .	
Unit: 3 (15 Hours)	EDP- Meaning and Objectives, Understanding and developing creativity and innovation; Creativity- Generating and implementing ideas, creative thinking skills (imaginative problem solving) and motivation (passion for specific challenges), Strategies to boost employee• fs expertise (technical, intellectual and procedural). Innovation: Sources of innovation, innovation management.	
Unit: 4 (15 Hours)	Venture promotion steps- Idea Generation and searching for prospective business ideas or opportunities, Environment scanning, sources of information (primary, secondary), Product Selection, Technology determination, Site selection, Financial planning, Financial institutions for small enterprises.	
Unit: 5(15 Hours)	Preparation of business plan, Elements of business plan, Environmental analysis (situation analysis (PESTEL), SWOT analysis, Market structure, market trend, and target market and competitor analysis), Project classification. Project identification, Project formulation, Project appraisal, Project selection, Project implementation, Management. Format of feasibility report. Comparative study of PERT and CPM. Forms of ownership, TQM.	
Unit: 6 (15 Hours)	Functional Management: Marketing (Needs, wants and demand; markets, marketing mix strategies); Finance (investment and financing decisions); Human resource (workforce planning, recruitment and selection, remuneration and compensation, and performance management). Procedures and formalities for setting up new enterprise, Regulations governing new ventures: Schemes of assistance, insurance, incentives of Government and other institutions. Role of business incubation centers. Stages of new venture development, Why new ventures fail, Causes and remedies.	

**Reference Books:**

1. Peter Drucker, • eInnovation and Entrepreneurship• f
2. Desai, V. Dynamics of Entrepreneurial Development and management. Himalaya Publishing house.
3. Gupta, C.B. & Srinivasan, N.P . Entrepreneurial development.
4. Jeffry A. Timmons and Stephen Spinelli. (2004). New Venture Creation: Entrepreneurship for the 21st Century. McGraw-Hill/Irwin: NY
5. Kuratko, D.K. Strategic entrepreneurial growth. South Western Publication.
6. Thomas & Zimmerer. Essentials of entrepreneurship and small business management. Prentice Hall of India.
7. Timmons, J. A and Spinelli, S. (2004). New Venture Creation (6th Ed.) New York. Mc-Graw Hill/ Irwin.
8. W.Ed McMullan and Wayne A. Long. (1990).Developing New Ventures: The entrepreneurial option. Harcourt Brace Jovanovich,Inc: USA.
9. Baporikar Neeta. (2011), Entrepreneurship Development and Project Management, Himalaya: New Delhi.
10. Hisrich.D.Robert. (2011), International Entrepreneurship: starting, Developing and, Managing a Global Venture, Sage.
11. Rice P. Mark (2008), Entrepreneurship, Atlantic Publishers.
12. Arora Renu & Sood. S. K (2007), Entrepreneurship Development and Management, Kalyani, New Delhi.
13. Abraham M.M., Entrepreneurship Development and Project Management, Prakash: Changanacherry. .
14. Vasant Desai, Entrepreneurship & Small Scale Industries, Himalaya Publishers.
15. Vasant Desai, Entrepreneurship Development, Himalaya Publishers.
16. 9. Feroze Banker, Progressive Entrepreneur, Kanishka Publishers.

**Note for Paper Setting**

The question paper will contain two parts: Part-I is compulsory. There will be 10 questions carrying 2 marks each for Multiple Choices, Very Short Answer/Fill in the Blank type questions. Part-II will have 2 questions from each unit and the candidates will be required to answer one question from each unit, i.e. there will be internal choice within each unit. A case study may also be included in the question paper from any of the units wherever feasible.

**Paper Title: Human Resource Management, Planning & Development****Paper/Module Code: ADGE 402A Maximum Marks:50****Contact Hours: Minimum 45 End Semester Exam: 40****Credit: 3 Internal Assessment: 10**

Unit 1: (10 Hours)	Foundations of Human Resource Management: Concept of HRM & HRD, Role of HR practitioner, Basic Philosophy and Approaches in HRD Planning. HRD Functions, Managing the HR function, Contribution of HR function to organization success, Evaluating HR functions.	
Unit 2: (5 Hours)	Human Resource Management (HRM) in Perspective: HRM- The Field and It's Environment. The Evolving Role of HRM in the tourism industries.	
Unit 3: (10 Hours)	Human Resource policy: Job, Role & Competence analysis, Human resource Planning, recruitment & selection, Induction, redundancy, Outplacement & dismissal, Maintenance & Welfare activities- Employee health & safety, Fatigue & Welfare activities.	
Unit 3: (10 Hours)	Human resource Development: Learning & development, Personal development planning, Training, Management development, career management, HR approaches to improving competencies.Managing	

	Employee Growth: Conflict and Stress management. Importance of Discipline and Counseling.	
Unit 5: (10 Hours)	Employee Compensation: Aims, Components, factors influencing employee compensation, Internal equity, External equity & Individual worth, Pay structure, Incentive payments, Employee benefits & services, Performance appraisal, 360 degree feedback.	

#### Reference Books:

1. Pattanayak: Human Resource Management. Prentice Hall of India
2. Dessler: Human Resource Management. 7th Edition, Prentice Hall of India
3. Armstrong, Michael: A handbook of Human Resource Management. Practice Kurgan page, 1999
4. Aswathappa K.: Human Resource & Personal Management. Tata McGraw Hill, New Delhi
5. Fischer, Schoen Feldt & Shaw: Human Resource Management. Houghton Mifflin, 1996
6. Ivancivich, John.M: Human Resource Management. Irwin/McGraw Hill 1996
7. Monappa, Arun: Managing Human Resource. Macmillan India Lt. New Delhi
8. Ross, Darren lee: HRM in Tourism & Hospitality
9. Dr. Jagmohan Negi: Human resource Development & Management in Hotel Industry. Frank Bros & Co.
10. Sybil Hofmann, Collin Johnson, Michael Lefever: International Human Resource Management in the Hospitality Industry. EI-AH & LA, USA

#### Note for Paper Setting

The question paper will contain two parts: Part-I is compulsory. There will be 10 questions carrying 2 marks each for Multiple Choices, Very Short Answer/Fill in the Blank type questions. Part-II will have 2 questions from each unit and the candidates will be required to answer one question from each unit, i.e. there will be internal choice within each unit. A case study may also be included in the question paper from any of the units wherever feasible.

#### Paper Title: Basic Principles of Economics

**Paper/Module Code: ADGE 402B Maximum Marks: 50**

**Contact Hours: Minimum 45 End Semester Exam: 40**

**Credit: 3 Internal Assessment: 10**

Unit 1: (10 Hours)	Introduction-Nature, scope and application of economics in industries, Theory of the firm and business objectives - Economic, Behavioural and Managerial theories.	
Unit 2: (10 Hours)	Law of Demand, Determinants of Demand; Elasticity of Demand; Nature of demand analysis and its forecasting; Law of supply; Determinants of demand and supply; Elasticity of supply analysis and forecasting	
Unit 3: (10 Hours)	Input-Output decisions, Production function, Short-run analysis; Long-run function; Short run and long-run cost functions. Empirical estimation of production and costs.	
Unit 4: (10 Hours)	Price-Output Decisions-Price determination under different market conditions; Pricing practices and strategies; Profit measurement and profit policy; Determinants of investment decision	
Unit 4: (5 Hours)	Macroeconomic environment, economic transition in India, a quick Review- Liberalization, privatization & Globalization	

**Reference Books:**

1. Peterson, H.C. & W.C. Lewis: Managerial economics. Prentice Hall India, New Delhi, 2004
2. Varshney R.L. & Oza A. L.: Micro Economics for Management Students. Oxford Universal Press, New Delhi, 2004
3. Dwidevi DN: Managerial Economics. Vikash publications, New Delhi, 2001

**Note for Paper Setting**

The question paper will contain two parts: Part-I is compulsory. There will be 10 questions carrying 2 marks each for Multiple Choices, Very Short Answer/Fill in the Blank type questions. Part-II will have 2 questions from each unit and the candidates will be required to answer one question from each unit, i.e. there will be internal choice within each unit. A case study may also be included in the question paper from any of the units wherever feasible.

**Paper Title: APPAREL PRODUCTION****Paper/Module Code:ADFT403 A Maximum Marks:50****Contact Hours: Minimum 45 End Semester Exam: 40****Credit: 3 Internal Assessment:10**

Objectives: To introduce the students to various departments of an apparel industry To impart skills in apparel production

Unit - I	Introduction to Apparel production, Sourcing- Introduction to fabric and accessory sourcing, its types.	5
Unit - II	Sampling department- importance of sampling department, objectives, types of sample- size set, fit sample, prototype sample, production sample	10
Unit - III	Cutting department: Machineries, fabric laying, marker preparation, sorting, numbering & bundling, Fusing department- methods of fusing, fusing machines	10
Unit - IV	Production department: selection of production system- progressive bundle system, unit production system, modular manufacturing	10
Unit - V	Finishing & pressing department, Trimming department, packing department	10
Unit - VI	Apparel accessories & components - fasteners, labels, support materials, decorative trims, tapes & packing materials	5

**Paper Title: APPAREL PRODUCTION (Lab)****Paper/Module Code:ADFT403B Maximum Marks:50****Contact Hours: Minimum 45 End Semester Exam: 40****Credit: 3 Internal Assessment:10**

Unit-I	Analysis of spec sheet	10
Unit-II	Stitching of executive suit- Skirt and jacket using block including consumption & calculation	10
Unit-III	Stitching of formal shirt using block including consumption & calculation	10
Unit-IV	Stitching of trouser using block including consumption & calculation	10
Unit-V	Portfolio on all accessories & components used in Apparel industry	10

**Paper Title: COMPUTER APPLICATION (CAD) Lab**  
**Paper/Module Code:ADFT404 A Maximum Marks:50**  
**Contact Hours: Minimum 45 End Semester Exam: 40**  
**Credit: 6 Internal Assessment:10**

Course Objectives: To acquaint students with CAD and CAM based applications in Textiles and Apparel Industry. To impart knowledge of computer applications in design, draft, cut, production and Management information systems.

Unit-I	Introduction to CAD, Fundamentals of CAD design process and application.	10
Unit-II	CAD applications in Fabric pattern designing, modifications for size and fit, making, grading, computerized marker making and marker efficiency using pattern making software.	10
Unit-III	Introduction to Lay Planning, marker making of skirt, trouser	10
Unit-IV	CAD applications in fashion field . garment designing, weaving, knitting and embroidery and textile dyeing and printing	10
Unit-V	Photoshop & Corel Draw . Introduction, features and its applications.	10

**Paper Title: COMPUTER APPLICATION (CAD) Lab**  
**Paper/Module Code:ADFT404 B Maximum Marks:50**  
**Contact Hours: Minimum 45 End Semester Exam: 40**  
**Credit: 6 Internal Assessment:10**

Unit-I	Development of Concept Board (Mood board), Client / Customer Board, Colour Card & Textured Effects, Logo Design ( Label, Tags etc. used in ready to wear apparel).	10
Unit-II	Motifs development- Symmetrical/asymmetrical, Balanced/unbalanced, repeat (arrangements) 3/4 drop, 1.2 drop, 1/3 drop design placements on borders, pallu & allover.	10
Unit-III	Design Croquis and draping of the same on Men• fs, Women• fs & children• fs casual, party, night, sports, Office/Formal wear. (One Each)	10
Unit-IV	Designing of Garments for children-A-line, Yoke frock, Bush shirt, trouser, Shorts. Women• fs-Salwar Kameez, Dart tops, Skirts, Trousers, Men• fs . Shirt, Jacket, Trouser	10
Unit-V	Sloper development and Manipulation using any Pattern Making Software. Manipulation of darts, seam allowance, notches, hem line and Grain lines.	10

**Paper Title: PROJECT WORK (any one)**  
**Paper/Module Code:ADFT405 Maximum Marks:100**  
**Contact Hours: Minimum 90 End Semester Exam (VIVA): 80**  
**Credit: 6 Internal Assessment:20**

1. Types of Meitei Kangkhan (Mosquito Net)
2. Weaving method of pang lyong (yongkham)/ Throw Shuttle loom of Meitei
3. To make casual wear suitable for 18 years.
4. Traditional Manipuri Women Costumes of Manipur (Any one Community)

## Reference Books

### Textiles & Embroidery

1. Introduction to Textiles by KVP Singh Kalyani Publishers
2. Textiles-Fiber to Fabric by Bernard P. Corbman McGraw Hill
3. Textiles . Sara Kadolph, Prentice Hall
4. Understanding textiles- Phyllis Toratora
5. Fabric Science by J.J. Pezzuto
6. Clothing Technology by Europa Lehrmittal
7. Textiles- Wayne, A. Macmillan, London
8. Fabric Science by Joseph J. Pezzuto.
9. Technology of Dyeing, Printing and Bleaching by Dr. V.A. Shenai.
10. Technology of clothing manufacture . Harold carr of Barbara Latham
11. Textile finishing . Dr.G.Nallangilli&Dr. S.Jayaprakasam.
12. Fusing fabric . Margaret Beal 2005, Bt Bate fool Ltd.
13. Textile Science by K.L. Hatch
14. Consumer Textiles by Jennifer Cant, Anne Fritz
15. Watson• fs Textile Design and Colour by Z. Grosicki
16. A handbook of Weaves by G.H. Oelsner
17. Technology of Textile Printing by R.S. Prayag
18. Chemistry of dyes and principles of dying by V.A. Shenai
19. Batik by Eloise Piper
20. Tie Dying and Batik by Fay Anderson
21. Textile Arts of India by KokyoHafanaka
22. Traditional Indian Textile by John Gillow& Nicholas Barnard
23. Handicrafts of India by Chattopadhaya Kamala Devi
24. Indian Embroidery, Calico Museum of Textile by Irwin & Hall.
25. Tie and Die Textiles of India by Murphy V. & Crill R.
26. Costumes and Textiles of India by DhamijaJasleenAn Jay Jyotindra
27. Knitting Technology by David Spencer
28. Introduction to Knitting by Aigaonkar

### COMPUTER AIDED DESIGN

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