



Dr. M.G.R.
EDUCATIONAL AND RESEARCH INSTITUTE
DEEMED TO BE UNIVERSITY



University with Graded Autonomy Status

(An ISO 21001 : 2018 Certified Institution)

Periyar E.V.R. High Road, Maduravoyal, Chennai-95, Tamilnadu, India.

FACULTY OF HUMANITIES & SCIENCE



LEARNING OUTCOME BASED CURRICULUM

B.Sc. (FASHION DESIGN)

Curriculum and Syllabus

Regulation – 2022

DEPARTMENT OF FASHION DESIGN



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DEPARTMENT OF FASHION DESIGN

VISION STATEMENT

Aspires to achieve the highest creative standards of excellence in teaching and service. The faculty as well as the students are encouraged to be Active, Creative Thinkers and Problem solvers.

MISSION STATEMENT

| | |
|-----------|---|
| M1 | To create, innovate and provide best value to education. |
| M2 | To make a difference through branding to stay abreast of fashion trends, market changes and the latest technologies. |
| M3 | To enhance the quality of life for business partners, customers and co-workers. |
| M4 | To learn and share knowledge with Global Creative Educational Institutions and Fashion Organisations. |

PROGRAMME EDUCATIONAL OBJECTIVES

| | |
|-------------|---|
| PEO1 | The main objective of this course is to make the student understand the importance of Fashion and the types of art elements used in dress design |
| PEO2 | Apply the skills, concepts, methodologies and behaviour to be practice technical fashion design professionals. |
| PEO3 | Students will gain knowledge on tools / equipment's and skills in garment construction. |
| PEO4 | To develop their fundamentals in draping, patternmaking, and sewing techniques |
| PEO5 | Develop working relationships using teamwork and leadership skills, recognising and respecting different perspectives |
| PEO6 | Create a fashion portfolio of finished art with proper collections |

PROGRAMME OUTCOMES

| | |
|------------|---|
| PO1 | Disciplinary knowledge: Capable of demonstrating comprehensive knowledge and understanding of one or more disciplines that form a part of the undergraduate Programme of study |
| PO2 | Communication Skills: Ability to understand and express thoughts and ideas effectively in writing and orally; to present complex information in a clear and concise manner to different groups. |
| PO3 | Critical thinking and Problem solving: Capability to analyze and evaluate evidence, arguments, claims, beliefs on the basis of empirical evidence; formulate coherent arguments; critically evaluate practices, policies and theories by following scientific approach to knowledge development and apply their competency to solve different kinds of problems and apply to real life situations and constructing cogent scientific arguments |
| PO4 | Analytical and Scientific reasoning: Ability to analyze, interpret and draw conclusions from quantitative/qualitative data; and critically evaluate ideas, evidence and experiences from an open-minded and reasoned perspective. |
| PO5 | Research-related skills: Ability to recognize cause-and-effect relationships, define problems, formulate hypotheses, test hypotheses, analyze, interpret and draw conclusions from data, ability to plan, execute and report the results of an experiment or investigation. |
| PO6 | Team work and Leadership qualities: Function effectively as an individual, and as a team member or leader in diverse teams, and in multidisciplinary environment. |
| PO7 | Information/digital literacy: Capability to use ICT tools in a variety of learning situations, demonstrate ability to access, evaluate, and use a variety of relevant information sources; and use appropriate software for analysis of data and further presentation |
| PO8 | Moral and ethical awareness: Ability to embrace moral/ethical values in conducting one's life, formulate a position/argument about an ethical issue from multiple perspectives, and use ethical practices in all work. Appreciating environmental and sustainability issues; and adopting objective, unbiased and truthful actions in all aspects of work |
| PO9 | Lifelong learning: Ability to update knowledge and skills, participating in learning activities throughout life, through self-paced and self-directed learning aimed at personal development, meeting economic, social and cultural objectives |

PROGRAMME SPECIFIC OUTCOMES

| | |
|-------------|---|
| PSO1 | Become globally competitive through strong foundation in designing and have the ability to represent it by illustration and pattern. |
| PSO2 | Will be able to develop their own products using the concepts and ideas learnt through the course. |
| PSO3 | Formulate effective design solutions and have ability to work individually and in teams. |
| PSO4 | Develop into entrepreneurs and design consultant. |

PEO WITH MISSION STATEMENT

| | M1 | M2 | M3 | M4 |
|-------------|-----------|-----------|-----------|-----------|
| PEO1 | 3 | 3 | 2 | 3 |
| PEO2 | 3 | 3 | 2 | 2 |
| PEO3 | 3 | 2 | 3 | 3 |
| PEO4 | 2 | 2 | 2 | 3 |
| PEO5 | 3 | 3 | 3 | 2 |
| PEO6 | 3 | 2 | 2 | 3 |

PEO WITH PO

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| PEO1 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 3 |
| PEO2 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 3 |
| PEO3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| PEO4 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 3 |
| PEO5 | 3 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 3 |
| PEO6 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 |

PEO WITH PSO

| | PSO1 | PSO2 | PSO3 | PSO4 |
|-------------|-------------|-------------|-------------|-------------|
| PEO1 | 3 | 3 | 2 | 3 |
| PEO2 | 3 | 3 | 3 | 2 |
| PEO3 | 3 | 2 | 2 | 3 |
| PEO4 | 3 | 3 | 3 | 3 |
| PEO5 | 2 | 3 | 3 | 3 |
| PEO6 | 3 | 2 | 3 | 2 |

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Department of Fashion Design
Regulation 2022 – 2023
B.Sc. Fashion Design

Semester: 1

| Course Code | Course Title | C | L | T/SLr | P/R | Ty / Lb/ ETP/IE |
|---------------------------------------|---------------------------------------|---|---|-------|-----|-----------------|
| HBTA22001/ HBHI22001/ HBFR22001 | LANGUAGE (TAMIL-I/ HINDI-I /FRENCH-I) | 3 | 3 | 0 | 0 | Ty |
| HBEN22001 | LANGUAGE (ENGLISH – I) | 3 | 3 | 0 | 0 | Ty |
| HBCH22ID5 | ALLIED – I CHEMISTRY I | 3 | 3 | 0 | 0 | Ty |
| HBFD22001 | FASHION FOUNDATION | 4 | 3 | 1 | 0 | Ty |
| HBCC22001 | ENVIRONMENTAL STUDIES | 3 | 3 | 0 | 0 | Ty |

Practical

| | | | | | | |
|-----------|-------------------------|---|---|---|---|----|
| HBCC22L01 | COMPUTER SOFTWARE LAB | 2 | 0 | 0 | 3 | Lb |
| HBFD22L01 | FASHION FOUNDATION LAB | 2 | 0 | 0 | 3 | Lb |
| HBCC22I01 | COMMUNICATION SKILL LAB | 1 | 0 | 0 | 2 | IE |
| HBCC22I02 | SOFT SKILL - I | 1 | 0 | 0 | 2 | IE |

Credits Sub Total:22

Semester: 2

| Course Code | Course Title | C | L | T/SLr | P/R | Ty / Lb/ ETP/IE |
|---------------------------------------|---|---|---|-------|-----|-----------------|
| HBTA22002/ HBHI22002/ HBFR22002 | LANGUAGE (TAMIL-II/ HINDI-II/ FRENCH-II) | 3 | 3 | 0 | 0 | Ty |
| HBEN22002 | LANGUAGE (ENGLISH – II) | 3 | 3 | 0 | 0 | Ty |
| HBCH22ID6 | ALLIED – II CHEMISTRY -II | 3 | 3 | 0 | 0 | Ty |
| HBFD22002 | INTRODUCTION TO TEXTILES | 4 | 3 | 1 | 0 | Ty |
| HBFD22003 | FUNDAMENTALS OF CLOTHING | 4 | 3 | 1 | 0 | Ty |

Practical

| | | | | | | |
|-----------|------------------------------|---|---|---|---|----|
| HBFD22L02 | FASHION ILLUSTRATION LAB | 2 | 0 | 0 | 3 | Lb |
| HBFD22L03 | FUNDAMENTALS OF CLOTHING LAB | 2 | 0 | 0 | 3 | Lb |
| HBCC22I03 | SOFT SKILL - II | 1 | 0 | 0 | 2 | IE |

Credits Sub Total: 22

C : Credits L : Lecture T : Tutorial S.Lr : Supervised Learning P : Problem / Practical R : Research Ty/Lb/ETP/IE : Theory/Lab/Embedded Theory and Practice/Internal Evaluation

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Semester: 3

Theory:

| Course Code | Course Title | C | L | T/SLr | P/R | Ty / Lb/ ETP/IE |
|-------------|----------------------------------|---|---|-------|-----|-----------------|
| HBCS22ID3 | ALLIED – III- COMPUTER SCIENCE-I | 3 | 3 | 0 | 0 | Ty |
| HBFD22004 | FABRIC CARE | 4 | 3 | 1 | 0 | Ty |
| HBFD22005 | FASHION AND CLOTHING PSYCHOLOGY | 3 | 3 | 0 | 0 | Ty |
| HBFD22006 | WORLD COSTUMES | 3 | 3 | 0 | 0 | Ty |

Practical:

| | | | | | | |
|-----------|--|---|---|---|---|----|
| HBFD22L04 | PATTERN MAKING I | 2 | 0 | 0 | 3 | Lb |
| HBFD22L05 | SEWING TECHNIQUES I | 2 | 0 | 0 | 3 | Lb |
| HBFD22L06 | ADVANCE ILLUSTRATION | 2 | 0 | 0 | 3 | Lb |
| HBCS22IL1 | ALLIED LAB - COMPUTER SCIENCE-LAB | 2 | 0 | 0 | 3 | Lb |
| HBCC22I04 | STATISTICAL AND NUMERICAL METHODS LAB | 2 | 0 | 0 | 3 | IE |
| HBCC22I05 | SOFT SKILL-III (QUALITATIVE AND QUANTITATIVE TECHNIQUES) | 1 | 0 | 0 | 2 | IE |

Credits Sub Total: 24

Semester: 4

Theory:

| Course Code | Course Title | C | L | T/SLr | P/R | Ty / Lb/ ETP/IE |
|-------------|----------------------------------|---|---|-------|-----|-----------------|
| HBCS22ID4 | ALLIED – IV COMPUTER SCIENCE -II | 3 | 3 | 0 | 0 | Ty |
| HBFD22007 | FASHION MERCHANISING | 4 | 3 | 1 | 0 | Ty |
| HBXX22OEX | OPEN ELECTIVE –I | 3 | 3 | 0 | 0 | Ty |
| HBFD22EXX | PROGRAMME ELECTIVE - I | 3 | 3 | 0 | 0 | Ty |

Practical:

| | | | | | | |
|-----------|---|---|---|---|---|----|
| HBXX22OLX | OPEN ELECTIVE LAB | 2 | 0 | 0 | 3 | Lb |
| HBFD22L07 | PATTERN MAKING-II | 2 | 0 | 0 | 3 | Lb |
| HBFD22L08 | SEWING TECHNIQUES-II | 2 | 0 | 0 | 3 | Lb |
| HBCC22I06 | CRITICAL THINKING SKILL | 1 | 0 | 0 | 2 | IE |
| HBFD22I01 | CORE SKILL -I ACCESSORY ILLUSTRATION AND APPRECIATION Lab | 1 | 0 | 0 | 2 | IE |

Credits Sub Total: 21

C : Credits L : Lecture T : Tutorial S.Lr : Supervised Learning P : Problem / Practical R : Research Ty/Lb/ETP/IE : Theory/Lab/Embedded Theory and Practice/Internal Evaluation

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Semester: 5

Theory:

| Course Code | Course Title | C | L | T/L | P/R | Ty / Lb/ ETP/IE |
|-------------|-----------------------------|---|---|-----|-----|-----------------|
| HBFD22008 | FASHION RETAIL MANAGEMENT | 4 | 3 | 1 | 0 | Ty |
| HBFD22009 | FABRIC EMBELLISHMENT | 4 | 3 | 1 | 0 | Ty |
| HBFD22EXX | PROGRAMME ELECTIVE –II | 3 | 3 | 0 | 0 | Ty |
| HBXX22OEX | OPEN ELECTIVE –II | 3 | 3 | 0 | 0 | Ty |
| HBCC22002 | ENTREPRENURSHIP DEVELOPMENT | 3 | 3 | 0 | 0 | Ty |

Practical:

| | | | | | | |
|-----------|----------------------------|---|---|---|---|----|
| HBFD22L09 | FASHION CAD | 2 | 0 | 0 | 3 | Lb |
| HBFD22I02 | CORE SKILL -II DRAPING Lab | 1 | 0 | 0 | 2 | IE |
| HBFL22IXX | FOREIGN LANGUAGE | 1 | 0 | 0 | 2 | IE |
| HBCC22I07 | NCC/NSS/Internship | 1 | 0 | 0 | 2 | IE |

Credits Sub Total: 22

Semester: 6

Theory:

| Course Code | Course Title | C | L | T/SLr | P/R | Ty / Lb/ ETP/IE |
|-------------|-------------------------|---|---|-------|-----|-----------------|
| HBFD22EXX | PROGRAMME ELECTIVE –III | 3 | 3 | 0 | 0 | Ty |
| HBFD22010 | FASHION PRESENTATION | 4 | 3 | 1 | 0 | Ty |
| HBCC22ET1 | UNIVERSAL HUMAN VALUES | 3 | 2 | 0 | 2/0 | ETP |

Practical:

| | | | | | | |
|-----------|---------|---|---|---|----|----|
| HBFD22L10 | PROJECT | 9 | 0 | 0 | 18 | Lb |
|-----------|---------|---|---|---|----|----|

Credits Sub Total:19

** Common Syllabus

Credit Summary

Semester: 1 : 22
Semester: 2 : 22
Semester: 3 : 24
Semester: 4 : 21
Semester: 5 : 22
Semester: 6 :19

Total Credits : 130

C : Credits L : Lecture T : Tutorial S.Lr : Supervised Learning P : Problem / Practical R : Research Ty/Lb/ETP/IE : Theory/Lab/Embedded Theory and Practice/Internal Evaluation

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| PROGRAMME Electives –I | | | | | | |
|-------------------------------|---------------------|----------|----------|--------------|------------|------------------------|
| Course Code | Course Title | C | L | T/SLr | P/R | Ty / Lb/ ETP/IE |
| HBFD22E01 | TEXTILE DYEING | 3 | 3 | 0 | 0 | Ty |
| HBFD22E02 | TEXTILE PRINTING | 3 | 3 | 0 | 0 | Ty |
| HBFD22E03 | TEXTILE FINISHES | 3 | 3 | 0 | 0 | Ty |

| PROGRAMME Electives –II | | | | | | |
|--------------------------------|---------------------|----------|----------|--------------|------------|------------------------|
| Course Code | Course Title | C | L | T/SLr | P/R | Ty / Lb/ ETP/IE |
| HBFD22E04 | TECHNICAL TEXTILES | 3 | 3 | 0 | 0 | Ty |
| HBFD22E05 | HOME TEXTILES | 3 | 3 | 0 | 0 | Ty |
| HBFD22E06 | NON WOVEN TEXTILES | 3 | 3 | 0 | 0 | Ty |

| PROGRAMME Electives –III | | | | | | |
|---------------------------------|------------------------------|----------|----------|--------------|------------|------------------------|
| Course Code | Course Title | C | L | T/SLr | P/R | Ty / Lb/ ETP/IE |
| HBFD22E07 | BOUTIQUE MANAGEMENT | 3 | 3 | 0 | 0 | Ty |
| HBFD22E08 | VISUAL MERCHANDISING | 3 | 3 | 0 | 0 | Ty |
| HBFD22E09 | ORGANISATION OF GARMENT UNIT | 3 | 3 | 0 | 0 | Ty |

| LIST OF FOREIGN LANGUAGES | | | | | | |
|----------------------------------|---------------------|----------|----------|--------------|------------|------------------------|
| Course Code | Course Title | C | L | T/SLr | P/R | Ty / Lb/ ETP/IE |
| HBFL22I01 | FRENCH | 1 | 0 | 0 | 2 | IE |
| HBFL22I02 | GERMAN | 1 | 0 | 0 | 2 | IE |
| HBFL22I03 | JAPANESE | 1 | 0 | 0 | 2 | IE |
| HBFL22I04 | ARABIC | 1 | 0 | 0 | 2 | IE |
| HBFL22I05 | CHINESE | 1 | 0 | 0 | 2 | IE |
| HBFL22I06 | RUSSIAN | 1 | 0 | 0 | 2 | IE |
| HBFL22I07 | SPANISH | 1 | 0 | 0 | 2 | IE |

**C : Credits L : Lecture T : Tutorial S.Lr : Supervised Learning P : Problem / Practical R : Research
 Ty/Lb/ETP/IE : Theory/Lab/Embedded Theory and Practice/Internal Evaluation**

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List of OPEN ELECTIVE-2022 Regulations.

For All H&S, Management Studies and Computer application faculties-UG Programmes.

| Offering Department | S.NO | Theory/Lab | Subject Code | Subject Name |
|---------------------|------|------------|--------------|---------------------------------------|
| Mathematics | 1. | Theory | HBMA22OE1 | Graph Theory |
| | 2. | Theory | HBMA22OE2 | Optimization Techniques |
| Physics | 3. | Theory | HBPH22OE1 | Fundamentals of Optics and Sound |
| | 4. | Theory | HBPH22OE2 | Every day Physics |
| | 5. | Lab | HBPH22OL1 | Basic Physics lab |
| Computer Science | 6. | Theory | HBCS22OE1 | Office Automation |
| | 7. | Theory | HBCS22OE2 | Fundamentals of Computer and Internet |
| | 8. | Lab | HBCS22OL1 | Multimedia lab |
| Economics | 9. | Theory | HBEM22OE1 | Indian Economy |
| | 10. | Theory | HBEM22OE2 | Gender Economics |
| Chemistry | 11. | Theory | HBCH22OE1 | Chemistry in our Daily Life |
| | 12. | Theory | HBCH22OE2 | Food Chemistry |
| | 13. | Lab | HBCH22OL1 | General Chemistry Lab |
| English | 14. | Theory | HBEN22OE1 | English For Media |
| | 15. | Theory | HBEN22OE2 | Creative Writing |
| Geology | 16. | Theory | HBGE22OE1 | Disaster Mitigation and Management |
| | 17. | Theory | HBGE22OE2 | Remote Sensing and GIS |
| | 18. | Lab | HBGE22OL1 | Remote sensing and GIS lab |

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| | | | | |
|--|-----|--------|-----------|--|
| Psychology | 19. | Theory | HBPY22OE1 | Health & Yoga |
| | 20. | Theory | HBPY22OE2 | Organizational Behavior |
| | 21. | Lab | HBPY22OL1 | Understanding Self & Others |
| Fashion Design | 22. | Theory | HBFD22OE1 | Applications of Textiles |
| | 23. | Theory | HBFD22OE2 | Introduction to Fashion |
| | 24. | Lab | HBFD22OL1 | Embroidery Practical Lab |
| Computer Applications | 25. | Theory | CBCA22OE1 | Web design |
| | 26. | Theory | CBCA22OE2 | E-Commerce |
| | 27. | Lab | CBCA22OL1 | Web Designing Laboratory |
| Food Science Nutrition and Dietetics | 28. | Theory | HBFS22OE1 | Principles of Nutrition |
| | 29. | Theory | HBFS22OE2 | Food Safety and Quality Control |
| | 30. | Lab | HBFS22OL1 | Community Nutrition Practical |
| Hotel Management and Catering Technology | 31. | Theory | HBHM22OE1 | Fundamentals of Food Production and Patisserie |
| | 32. | Theory | HBHM22OE2 | Bakery and Confectionery Basics |
| | 33. | Lab | HBHM22OL1 | Fundamentals Front office operation practical |
| Defense and Strategic Studies | 34. | Theory | HBDS22OE1 | Independent India |
| | 35. | Theory | HBDS22OE2 | Human Rights |
| Financial Planning | 36. | Theory | MBFP22OE1 | Marketing of Financial Services |
| | 37. | Theory | MBFP22OE2 | Business strategy |
| | 38. | Lab | MBFP22OL1 | Interview Techniques |
| Bio Technology | 39. | Theory | HBBT22OE1 | Food and Nutrition |
| | 40. | Theory | HBBT22OE2 | Human Physiology |
| | 41. | Theory | HBBT22OE3 | Basic Bioinformatics |
| | 42. | Lab | HBBT22OL1 | Basic Bioinformatics Lab |

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| | | | | |
|---|-----|--------|-----------|--------------------------------------|
| Physical Education and Sports | 43. | Theory | HBPE22OE1 | Rule of Games and Sports |
| | 44. | Theory | HBPE22OE2 | Health and Fitness |
| Human Resource | 45. | Theory | HBHR22OE1 | Workplace Counseling |
| | 46. | Theory | HBHR22OE2 | Corporate Social Responsibility |
| Information Science and Cyber forensics | 47. | Theory | HBCF22OE1 | Introduction to Data Science |
| | 48. | Theory | HBCF22OE2 | Data Mining |
| | 49. | Theory | HBCF22OE3 | Introduction to IoT |
| | 50. | Theory | HBCF22OE4 | Introduction to Big Data |
| | 51. | Lab | HBCF22OL1 | Data Science Lab |
| | 52. | Lab | HBCF22OL2 | Data Mining Lab |
| Management Studies | 53. | Theory | MBBA22OE1 | Principles of Management and Science |
| | 54. | Theory | MBBA22OE2 | Business Ethics |

Note: Students are permitted to choose open electives from the above list, other than their own department electives.

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Regulation 2022 -2023 (Optional for Honors Programme)

Semester: 7

Theory:

| Course Code | Course Title | C | L | T/SLr | P/R | Ty / Lb/ ETP/IE |
|-------------|------------------------|---|---|-------|-----|-----------------------|
| HBCC22003 | RESEARCH METHODOLOGY | 3 | 3 | 0 | 0 | Ty |
| HBFD22011 | TEXTILE WET PROCESSING | 4 | 3 | 1 | 0 | Ty |
| HBFD22012 | TEXTILE TESTING | 4 | 3 | 1 | 0 | Ty |
| HBFD22013 | TEXTILE MANAGEMENT | 4 | 3 | 1 | 0 | Ty |

Practical:

| | | | | | | |
|-----------|--------------|---|---|---|---|----|
| HBFD22I03 | MINI PROJECT | 2 | 0 | 0 | 3 | IE |
| HBFD22I04 | INTERNSHIP | 1 | 0 | 0 | 2 | IE |

Total credits:18

Semester: 8

Theory:

| Course Code | Course Title | C | L | T/SLr | P/R | Ty / Lb/ ETP/IE |
|-------------|------------------------------------|---|---|-------|-----|-----------------------|
| HBCC22004 | STARTUP STRATEGIES | 3 | 3 | 0 | 0 | Ty |
| HBCC22005 | PRINCIPLES OF DIGITAL MARKETING | 3 | 3 | 0 | 0 | Ty |
| HBCC22006 | INTELLECTUAL PROPERTY RIGHTS | 3 | 3 | 0 | 0 | Ty |

Practical:

| | | | | | | |
|-----------|----------------------|---|---|---|----|-----|
| HBFD22L11 | MAJOR PROJECT | 6 | 0 | 0 | 12 | Lb. |
| HBFD22I05 | RESEARCH PUBLICATION | 2 | 0 | 0 | 3 | IE |

Total credits:17

Total no. of credits (I to VIII semesters):165

**C : Credits L : Lecture T : Tutorial S.Lr : Supervised Learning P : Problem / Practical R : Research
 Ty/Lb/ETP/IE : Theory/Lab/Embedded Theory and Practice/Internal Evaluation**

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Components of Curriculum and Credit Distribution:(B.Sc. Fashion Design)

| S. No | CATEGORY | Description | No. of Courses | Credits | Total | Credit Weightage | Contact hours |
|-------|---|--|----------------|------------|------------|------------------|---------------|
| 1 | CORE COURSES | Core Theory | 10 | 38 | 56 | 43 | 555 |
| | | Core Lab | 9 | 18 | | | 180 |
| 2 | ELECTIVE COURSES | Department Electives/ Skill enhancement electives | 3 | 9 | 9 | 7 | 135 |
| 3 | OPEN ELECTIVES | Open Elective theory | 2 | 6 | 8 | 6 | 90 |
| | | Open Elective Lab | 1 | 2 | | | 30 |
| 4 | INTERDISCIPLINARY/ ALLIED COURSES | Theory | 4 | 12 | 14 | 11 | 180 |
| | | Lab | 1 | 2 | | | 60 |
| 5 | HUMANITIES & SOCIAL SCIENCES , LIFE SKILLS &SOFT SKILLS | Language 1 & 2 | 2 | 6 | 31 | 24 | 90 |
| | | English 1 & 2 | 2 | 6 | | | 90 |
| | | Soft Skills | 3 | 3 | | | 45 |
| | | Life Skill | 4 | 6 | | | 90 |
| | | Foreign Language | 1 | 1 | | | 15 |
| | | Environmental Studies | 1 | 3 | | | 45 |
| | | Management Papers | - | - | | | - |
| | | Entrepreneurship Development | 1 | 3 | | | 45 |
| | | Universal Human values | 1 | 3 | | | 45 |
| | | Entrepreneurship | - | - | | | - |
| 6 | PROJECTS/INTERNSHIP / CORE SKILL | Project | 1 | 9 | 13 | 10 | 135 |
| | | Core Skills | 2 | 2 | | | 30 |
| | | Internship / NSS / NCC | 1 | 1 | | | 15 |
| 7 | Research Component | Research methodology, Publication,IPR and Patents etc. | | | - | - | - |
| 8 | Any other | | - | | | | - |
| | | TOTAL | 49 | 130 | 130 | 100 | 1950 |

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Components of Curriculum and Credit Distribution :(Honors Programme)

| S. No | CATEGORY | Description | No. of Courses | Credits | Total | Credit Weightage | Contact hours |
|--------------|---|--|-----------------------|----------------|--------------|-------------------------|----------------------|
| 1 | CORE COURSES | Core Theory | 13 | 50 | 68 | 42 | 840 |
| | | Core Lab | 9 | 18 | | | 150 |
| 2 | ELECTIVE COURSES | Department Electives/ Skill enhancement electives | 3 | 9 | 9 | 5 | 135 |
| 3 | OPEN ELECTIVES | Open Elective theory | 2 | 6 | 8 | 5 | 90 |
| | | Open Elective Lab | 1 | 2 | | | 30 |
| 4 | INTERDISCIPLINARY/ ALLIED COURSES | Theory | 4 | 12 | 14 | 8 | 180 |
| | | Lab | 1 | 2 | | | 60 |
| 5 | HUMANITIES & SOCIAL SCIENCES , LIFE SKILLS &SOFT SKILLS | Language 1 & 2 | 2 | 6 | 37 | 22 | 90 |
| | | English 1 & 2 | 2 | 6 | | | 90 |
| | | Soft Skills | 3 | 3 | | | 45 |
| | | Life Skill | 4 | 6 | | | 90 |
| | | Foreign Language | 1 | 1 | | | 15 |
| | | Environmental Studies | 1 | 3 | | | 45 |
| | | Management Papers | 1 | 3 | | | 45 |
| | | Entrepreneurship Development | 1 | 3 | | | 45 |
| | | Universal Human values | 1 | 3 | | | 45 |
| | | Entrepreneurship | 1 | 3 | | | 45 |
| 6 | PROJECTS/INTERNSHIP/ CORE SKILL | Project | 1 | 9 | 12 | 8 | 140 |
| | | Core Skills | 2 | 2 | | | 30 |
| | | Internship / NSS / NCC | 2 | 2 | | | 15 |
| 7 | Research Component | Research methodology,Public ation,IPR and Patents etc. | 3 | 8 | 8 | 5 | 120 |
| 8 | Any other(Mini Project) | | 2 | 8 | 8 | 5 | 120 |
| Total | | | 55 | 165 | 165 | 100 | 2465 |

Table 2: Revision/modification done in syllabus content

| S.No | Course(Subject code) | Course(Subject name) | Concept/topic if any,removed in current curriculum | Concept/topic added in the new curriculum | % of revision/modification |
|------|----------------------|--------------------------|---|--|----------------------------|
| 1 | HBFD22001 | FASHION FOUNDATION | THEMES COLOR AND TREND - Application of Themes on Garment- Aqua ,Clouds Architecture Sculpture Year Trend - Year Color. | Ensemble for Men - pear – diamond- round- hourglass- inverted triangle- rectangle and Ensemble for Women- Different body type-pear – diamond- round- hourglass- inverted triangle- rectangle | 50% |
| 2 | HBFD22006 | WORLD COSTUMES | Byzantine and Asian costumes | Textiles of Western region, Development of costumes through ages | 50% |
| 3 | HBFD22L01 | FASHION FOUNDATION LAB | Medium- soft Pastel, dry pastel | Collars and pockets, neckline and sleeves, cuffs and skirts. | 10% |
| 4 | HBFD22002 | INTRODUCTION TO TEXTILES | Woven fabric | Knitting – Difference between woven and knitted fabric, General knitting terms | 50% |
| 5 | HBFD22009 | FABRIC EMBELLISHMENT | - | Block printing, stencil, Free hand painting. Machine Embroidery- Running, button hole, zigzag, satin, herringbone etc. | 35% |
| 6 | HBFD22010 | FASHION PRESENTATION | Designing and illustrating belts with cane, wires | Swatch Boards – colour board | 30% |

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TABLE 3:

List of New courses/ value added courses//life skills/Electives/interdisciplinary /courses focusing on employability/entrepreneurship/skill development.(B.Sc.Fashion Design)

| S.No | New courses(Subjects) | Value added courses | Life skill | Electives | Inter Disciplinary | Focus on employability/entrepreneurship /skill development. |
|------|--------------------------------------|---------------------|------------|-----------|--------------------|---|
| 1 | FASHION FOUNDATION | | ✓ | | | ✓ |
| 2 | ICT TOOLS LAB | | | | | ✓ |
| 3 | COMMUNICATION SKILL | | | | | ✓ |
| 4 | ALLIED - CHEMISTRY, COMPUTER SCIENCE | | | | ✓ | |
| 5 | ALLIED E – COMPUTER SCIENCE LAB | | | | ✓ | |
| 6 | ANALYTICAL SKILL LAB | | | | ✓ | |
| 7 | CRITICAL THINKING SKILL | | | | | ✓ |
| 8 | ENTREPRENURSHIP DEVELOPMENT | | | | | ✓ |
| 9 | FOREIGN LANGUAGE | ✓ | | | | |
| 10 | NCC/NSS/Internship | | ✓ | | | |
| 11 | UNIVERSAL HUMAN VALUES | | ✓ | | | |
| 12 | TEXTILE DYEING | | | ✓ | | |
| 13 | TEXTILE PRINTING | | | ✓ | | |
| | | | | | | |

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| S.No | New courses(Subjects) | Value added courses | Life skill | Electives | Inter Disciplinary | Focus on employability/entrepreneurship/skill development. |
|-------------|------------------------------|----------------------------|-------------------|------------------|---------------------------|---|
| 14 | TEXTILE FINISHES | | | ✓ | | |
| 15 | TECHNICAL TEXTILES | | | ✓ | | |
| 16 | HOME TEXTILES | | | ✓ | | |
| 17 | NON WOVEN TEXTILES | | | ✓ | | |
| 18 | BOUTIQUE MANAGEMENT | | | ✓ | | |
| 19 | VISUAL MERCHANDISING | | | ✓ | | |
| 20 | ORGANISATION OF GARMENT UNIT | | | ✓ | | |

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Semester: 1

| | | | | | | |
|-----------------------------------|-----------------------------------|----------|----------|------------|------------|--------------|
| Subject Code: HBTA22001 | Subject Name: TAMIL - I | C | L | T/S.Lr | P / R | Ty/Lb/ETP/IE |
| | Prerequisite: +2 Tamil Language | 3 | 3 | 0/0 | 0/0 | Ty |

L : Lecture T : Tutorial SLr : Supervised Learning P: Project R : Research C : Credits
 Ty/Lb/ETL:: Theory / Lab / Embedded Theory and Lab

OBJECTIVES

- Understand the aims and objectives of teaching Tamil.
- Understand the rationale for learning Tamil.
- To motivate and stimulate the students to overcome their inferiority complex and improve fluency in the language.
- Learn significance of spoken skill.
- The relationship between language & culture and the implications for language teaching.

COURSE OUTCOMES (COs) - Students completing this course were able to

| | |
|------------|--|
| CO1 | Tamil students are actively engaged in learning Tamil language and culture in a meaningful Setting |
| CO2 | Focus on applying the language in real life situations. |
| CO3 | Use proficiency descriptors to motivate learners to progress to the next stage of learning. . |
| CO4 | Lessons are customized to arouse students interest and ignite the joy of learning Tamil language. |
| CO5 | Develop a strong foundation in listening & speaking skills. |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 2 |
| CO2 | 2 | 2 | 3 | 2 | 3 | 2 | 2 | 3 | 3 |
| CO3 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 2 |
| CO4 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 3 | 2 |
| CO5 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 3 |

| COs | PSOs | | | |
|------------|------|------|------|------|
| | PSO1 | PSO2 | PSO3 | PSO4 |
| CO1 | 3 | 3 | 3 | 3 |
| CO2 | 2 | 2 | 3 | 3 |
| CO3 | 3 | 3 | 3 | 2 |
| CO4 | 2 | 2 | 3 | 3 |
| CO5 | 3 | 2 | 2 | 3 |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program Elective | Humanities and Social Science | Open Elective | Skill Enhancing Elective | Inter Disciplinary/ Allied | Skill Component | Practical / Project / internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|----------------------------|-----------------|----------------------------------|--------|
| | | | √ | | | | | | |

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| | | | | | | |
|---|-----------------------------------|----------|----------|---------------|------------|----------------------|
| Subject Code: HBTA22001 | Subject Name: TAMIL I | C | L | T/S.Lr | P/R | Ty/Lb/ETP /IE |
| | Prerequisite : + 2 Tamil Language | | | | | |
| L : Lecture, T : Tutorial,SLr : Supervised Learning, P: Project, R : Research, C :Credits Ty/Lb/ETL :Theory / Lab / Embedded Theory and Lab | | | | | | |

பொதுத்தமிழ்

இளநிலை மாணாக்கருக்கு

B.A/B.Sc/B.Com/B.B.A/B.C.A/B.PES

HBTA22001

முதலாம் ஆண்டு - முதல் பருவம்

கற்றல் நோக்கம்: 1.மாணவர்களின் கவிதை,கட்டுரை எழுதும் திறன் வளர்த்தல்
2. தமிழில் பிழையின்றி பேசும் எழுதும் திறன் வளர்த்தல்

அலகு - 1

11 மணி நேரம்

அ) மரபுக்கவிதை

1. செந்தமிழ் நாடு - மகாகவி பாரதியார்
2. தமிழின் இனிமை, இன்பத்தமிழ், எங்கள் தமிழ், சங்கநாதம் - பாரதிதாசன்
3. தமிழ் வளர்க்க சபதம் - நா.மகக் கவிஞர் வெ.இராமலிங்கம் பிள்ளை
4. கோயில் வழிபாடு, வாழ்க்கைத் தத்துவங்கள் - கவிமணி தேசிக விநாயகம் பிள்ளை
- 5.கும்மிப்பாடல் - சுத்தானந்த பாரதியார்
6. தமிழ்த்தாய் வாழ்த்து - மனோன்மணியம் பெ.சுந்தரம் பிள்ளை
- 7.விடுதலை விளைத்த உரிமை - கவியரசர் கண்ணதாசன்
8. அன்பெனும் பிடியுள்... .., முரசறைத்தல் - வள்ளலார் இராமலிங்க அடிகள்

ஆ) புதுக்கவிதை

- 1.பாட்டாளிகளின் குரல் - பட்டுக்கோட்டை கலியாணசுந்தரம்
2. மகாத்மா காந்தியடிகள் - கவிஞர் வாலி
3. காகிதப் பூக்கள் - நா.காமராசு
- 4.வள்ளுவர் வழங்கும் விடுதலை - ஈரோடு தமிழன்பன்
5. உலகம் - வைரமுத்து
6. இன்னமுத மாமழை - பேரா. முனைவர் பொற்கோ
- 7.தமிழ்ப்பற்று - மீரா
- 8.ஐந்தாம் வகுப்பு அ பிரிவு - நா.முத்துக்குமார்

அலகு - 2

7 மணி நேரம்

நாட்டுப்புற இலக்கியம்

1. பொது அறிமுகம்
2. நாட்டுப்புற இலக்கிய வகைகள்
- 3.நாட்டுப்புறக்கலைகள்

அலகு - 3

12 மணி நேரம்

அ) சிறுகதைகள்

1. தேங்காய்த் துண்டுகள் (மு.வரதராசனார்)
2. அறம் (மாலன்)
3. நாற்காலியும் நான்கு தலைமுறைகளும் (திலகவதி)
4. அன்னையும் பிதாவும் (இராஜாஜி)
5. விடியுமா? (கு.ப.ராஜகோபாலன்)

ஆ) உரைநடை

1. மு.வ. என்னும் மந்திரம் (இரா.மோகன்)
2. தமிழிசை இயக்கம் (க.வெள்ளைவாரணனார்)
3. மதுரை மாநகரம் (ரா.பி.சேதுப்பிள்ளை)

அலகு - 4

6 மணி நேரம்

1. புதுக்கவிதை - தோற்றமும் வளர்ச்சியும்
2. உரைநடை - தோற்றமும் வளர்ச்சியும்
3. சிறுகதை - தோற்றமும் வளர்ச்சியும்

அலகு - 5

9 மணி நேரம்

அ) இலக்கணம்

1. வழக்கு
2. தொகாநிலைத் தொடர்
3. எழுத்துப் போலி
4. பதவியல்

ஆ) மொழிப்பயிற்சி

1. தன்வினை - பிறவினை
2. ஒருமை பன்மை மயக்கம்
3. பிறமொழிச் சொற்களை நீக்குதல்
4. விண்ணப்பம் எழுதுதல்

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| | | | | | | |
|-----------------------------------|----------------------------------|----------|----------|---------------|------------|--------------------------|
| Subject Code: HBHI22001 | Subject Name: HINDI I | C | L | T/S.Lr | P/R | Ty/Lb/ET P/IE |
| | Prerequisite : +2 Hindi Language | 3 | 3 | 0/0 | 0/0 | Ty |

L: Lecture, T : Tutorial,SLr : Supervised Learning, P: Project, R : Research, C : Credits,Ty/Lb/ETL
T:Theory / Lab / Embedded Theory and Lab

OBJECTIVES

- 1.To Understand the Hindi Literature, culture and the usage of language in the various streams
- 2.To Build up the Confidence in conversing in Hindi language.
- 3.To acquire Knowledge of the usage of Hindi language in the various Government Offices

| | |
|--|--|
| COURSE OUTCOMES (COs) | |
| Students completing this course were able to | |
| CO1 | Understand the basic concepts and Origin of Hindi |
| CO2 | Know about the roots of Hindi Literature and its perspective and methods. |
| CO3 | Elaborate and understand philosophical methods of Hindi Literature. |
| CO4 | Evaluate the concept of Hindi from past to present and to study the society closely through Literature |
| CO5 | understand the importance of Hindi in the contemporary world. |

Mapping of Course Outcome with Program Outcome (POs)

| | | | | | | | | | |
|------------|--------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sem | Course code: HBH122001 | | | | | | | | |
| I | Programme Outcomes(POs) | | | | | | | | |
| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
| CO1 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 |
| CO2 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 |
| CO4 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 |
| CO5 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| | | | | | | | | | |
|-----------------|---------------------|-------------------------|--------------------------------------|----------------------|---------------------------------|-----------------------------------|------------------------|---|---------------|
| Category | Program Core | Program Elective | Humanities and Social Science | Open Elective | Skill Enhancing Elective | Inter Disciplinary/ Allied | Skill Component | Practical / Project / internship | Others |
| | | | √ | | | | | | |

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| | | | | | | |
|---|----------------------------------|----------|----------|--------------------|------------|-------------------------------|
| Subject Code: | Subject Name: HINDI I | C | L | T/S. Lr | P/R | Ty/L b/ET P/IE |
| | Prerequisite : +2 Hindi Language | | | | | |
| L : Lecture, T : Tutorial,SLr : Supervised Learning, P: Project, R : Research, C :Credits, Ty/Lb/ETL :Theory / Lab / Embedded Theory and Lab | | | | | | |

UNIT - I Prose –Understanding the secret of the culture and how todraft the letters in Government offices, technical terms

1. Sabhyata kaRahasya
2. PersonalApplications
3. LeaveLetters
4. Government Order
5. Administrative Terminology Hindi to English (25 Words)

UNIT - II Prose-Understanding the human relations and also to know the procedures to open the account in the bank, technical terms

1. Mitrata
2. Letter to theEditor
3. Opening anA/C
4. Demi OfficialLetter
5. Administrative Terminology English to Hindi (25 Words)

UNIT-III Prose-the contribution of youth in developing India, drafting memo and technical things used in memo

1. YuvavonSe
2. Application for Withdrawal
3. Circular
4. Memo
5. Administrative Terminology Hindi to English (25 Words)

UNIT-IV Prose-The effect of Nuclear energy and usage of technical terms in offices

1. Paramanu Oorja evam Khadya PadarthSanrakshan
2. Transfer of an A/C
3. Missing of Pass Book / ChequeLeaf
4. OfficialMemo
5. Administrative Terminology English to Hindi (25 Words)

UNIT-V Prose-The Obstacles faced by the youth for getting employment, drafting complaint letters, technical terms

1. Yougyata aur Vyavasay kaChunav
2. Complaints
3. Ordering forBooks
4. Notification
5. Official Noting Hindi to English (25 words)

Total no. of Hrs: 45

REFERENCE:

1. Prayojan MoolakHindi: Dr. Syed Rahamathulla,
PoornimaPrakashan4/7, Begum III Street, Royapettah, Chennai – 14
Hindi Gadhya Mala Dr. Syed Rahamathulla, PoornimaPrakashan4/7, Begum III Street, Royapettah, Chennai

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| | | | | | | |
|----------------------|------------------------|-----------------|----------|----------|--------------------|------------|
| Subject Code: | HBFR22001 | Semester | I | | | |
| Category | All UG Programs | | C | L | T/S. Lr | P/R |
| Course Title | French I | | 3 | 3 | 0/0 | 0/0 |

L : Lecture T : Tutorial SLr : Supervised Learning P: Project R : Research C : Credits
 Ty/Lb/ETL : Theory / Lab / Embedded Theory and Lab

OBJECTIVES

1. The students will acquire a different perspective of their own culture in relation to the French culture
2. The students will discover new attitudes towards familiar practices
3. The students will acquire a sense of the French language, its music and rhythms and basic usage.
4. The students will acquire a comprehensive view of the European Union and the member states

COURSE OUTCOMES (COs)

Students completing this course were able to

| | |
|------------|---|
| CO1 | Identify the French language from other European language and to show and tell French words and expression |
| CO2 | Understand how the language works discovering the pronunciation |
| CO3 | <ul style="list-style-type: none"> • Start writing short dialogues of greetings • Try to interact with someone with life skill question –what where, who etc • Describe persons and places |
| CO4 | <ul style="list-style-type: none"> • Discover France and its physical tributes, develop an idea about the importance of France in the world affairs • Analyze ideas in the content of short paragraphs, paintings etc., and everyday contexts. • Appreciate the culture and uniqueness of France. • Discuss in English various aspects of France and a new cultural event and compare with current scenario |
| CO5 | <ul style="list-style-type: none"> • Develop enough confidence to introduce oneself and ask others simple questions about personal details. • Interact as long as other person speaks slowly and clearly |
| CO6 | <ul style="list-style-type: none"> • Plan a rendezvous, a casual meeting by Interacting with basic sentences and expressions as long as the person to with whom he/she speaks can help to reformulate the sentences |
| CO7 | <ul style="list-style-type: none"> • Write a simple message can fill a simple questionnaire. write ones names, nationality, address etc. on a hotel registration card /passport etc. |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 3 |
| CO2 | 2 | 2 | 2 | 2 | 1 | 1 | 3 | 2 | 3 |
| CO3 | 2 | 3 | 2 | 3 | 1 | 1 | 2 | 2 | 3 |
| CO4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 3 |
| CO5 | 2 | 2 | 2 | 3 | 3 | 2 | 3 | 2 | 3 |
| CO6 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 3 |
| CO7 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 3 |

3/2/1 Indicates Strength Of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program Elective | Humanities and Social Science | Open Elective | Skill Enhancing Elective | Inter Disciplinary/ Allied | Skill Component | Practical / Project / internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|----------------------------|-----------------|----------------------------------|--------|
| | | | √ | | | | | | |

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| | | | | | | |
|--|-----------------------------------|----------|----------|--------------------|------------|-------------------------------|
| Subject Code: | Subject Name: FRENCH I | C | L | T/S. Lr | P/R | Ty/L b/ET P/IE |
| | Prerequisite : +2 French Language | 3 | 3 | 0/0 | 0/0 | Ty |
| L : Lecture, T : Tutorial,SLr : Supervised Learning, P: Project, R : Research, C :Credits Ty/Lb/ETL :Theory / Lab / Embedded Theory and Lab | | | | | | |

FRENCH– I

UNIT I

9 hrs

Se saluer, La Graphie- écrire (compréhension orale, expression orale)

- Se Présenter-
 - La langue française
 - La Graphie – écrire L’alphabet, L’abécédaire
 - Les Accents et les Ponctuations
 - L’interaction de base.
- **Clip audios** : Exercices orales, compositions orales et épreuves orales. (20 –durée moins de 2 minutes)
 - **Audio clips**- For oral expressions, oral assignments and oral test-20 duration less than 2 minutes (10 oral exercises, 6 audio reading compositions& 4 tests).

UNIT II

9 hrs

S’informer-Interactions aidant des Compétences De base

- Des modèles interrogatifs
 - Les nombres, demander le cout /le prix
 - Demander l’heure, Les jours, Les mois de l’année.
- **Clip audios** : Exercices orales, compositions orales et épreuves orales. (20 –durée moins de 2 minutes)
 - **Audio clips**- For oral expressions, oral assignments and oral test-20 duration less than 2 minutes (10 oral exercises, 6 audio reading compositions& 4 tests).

UNIT III

9 hrs

Localiser –La France

- Quelque symbole de la France.
 - La carte de l’Europe, La France dans le contexte international, La France et les Fuseaux horaires, La francophonie, L’union Européen
 - La France physique, industrielle, touristique et administrative
 - Quelque symbole de Paris.
- **Clip audios** : Exercices orales, compositions orales et épreuves orales. (20 –durée moins de 2 minutes)
 - **Audio clips**- For oral expressions, oral assignments and oral test-20 duration less than 2 minutes (10 oral exercises, 6 audio reading compositions& 4 tests).

UNIT IV

9 hrs

Lire et prononcer Le française

- Les son française, les voyelles françaises, les sons nasaux, les consonné, Quelque sons uniques.
 - Les syllabus français, Les Rythme de la langue française.
-
- **Clip audios** : Exercices orales, compositions orales et épreuves orales.(20 –durée moins de 2 minutes)
 - **Audio clips**- For oral expressions, oral assignments and oral test-20 duration less than 2 minutes (10 oral exercises ,6 audio reading

UNIT V

9 hrs

Observer et Comprendre

- La vie de la France quotidienne, En cas d'urgence.
 - La grammaire initiale
-
- **Clip audios** : Exercices orales, compositions orales et épreuves orales. (20 –durée moins de 2 minutes)
 - **Audio clips** - For oral expressions, oral assignments and oral test -20 duration less than 2 minutes (10 oral exercises, 6 audio Reading compositions& 4 tests).

Total no. of Periods: 45

Reference Books:

2. **Parlez-vous français? Partie 1** - Dr.M.Chandrika.V.Unni & Mrs. Meena Mathews 2019 by Universal publisher
3. **CLE INTERNATIONAL** Lectures Clé en français facile. (2012) Hachette Paris
4. **Cosmopolite**: Livre d'élève A1 by Nathalie Hirsch sprung, Tony Tricot, Claude Le Ninan
5. **Latitudes-1** - Régine Mérioux & Yves l'oiseau, Didier 2017
6. **Alter Ego 1** - Catherine Dolez, Sylvie Pons : (2014) Hachette, Paris

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| | | | | | | |
|-----------------------|--|----------|----------|--------------------|------------|--------------------------|
| HBEN 22001 | ENGLISH I (Common to all UG Programs under H&S) | C | L | T/S .Lr | P/R | Ty/Lb/ ETP/IE |
| | Total contact hours – 45 | 3 | 3 | 0/0 | 0/0 | Ty |
| | Prerequisite – Plus2 English Language | | | | | |
| | Course designed by – Department of English | | | | | |

Objectives:

1. Develop English Language skills (LSRW) to communicate in English without any inhibition.
2. Learn lexis and syntax to be fluent in English for social and academic communication
3. Demonstrate content knowledge through appropriate language use for academic success.
4. Develop in them analytical and interpretative skills for research, projects, placement etc.,
5. Engage in academic and business writing with professional ethics.

Course Outcomes (COs)

| | |
|-----|--|
| CO1 | Possess Language skills (LSRW) to communicate in English without any inhibition. |
| CO2 | Express with appropriate lexis and syntax in English for social and academic communication |
| CO3 | Demonstrate content knowledge through appropriate language use for academic success. |
| CO4 | Analyse and interpret any genre of literature in English for research, projects, placement etc., |
| CO5 | Engage themselves in organized academic and business writing with professional ethics |

Program Specific Outcome

| | |
|------|--|
| PSO1 | Demonstrating mastery of the components of English language and literature. |
| PSO2 | Explaining through literature in English, diverse historical cultural and social ethics |
| PSO3 | Applying literary critical perspectives to generate original analysis of literature in English |
| PSO4 | Promoting cultural values and real-life skills through English language and Literature |

Mapping of course outcomes (COs) with Program Outcomes (POs)

(H/M/L indicates the strength of correlation) H= High; M= Medium; L= Low

| COs | POs | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | 3 | 3 | 3 | 1 | 2 | 2 | 1 | 2 | 3 |
| 2 | 3 | 3 | 3 | 1 | 2 | 2 | 1 | 2 | 3 |
| 3 | 3 | 3 | 3 | 1 | 2 | 2 | 1 | 2 | 3 |
| 4 | 3 | 3 | 3 | 3 | 3 | 2 | 1 | 2 | 3 |
| 5 | 3 | 3 | 3 | 3 | 3 | 2 | 1 | 2 | 3 |

Mapping of course outcomes (COs) with program Specific outcomes (PSOs)

| COs | PSO 1 | PSO2 | PSO3 | PSO4 |
|-----|-------|------|------|------|
| CO1 | 3 | 2 | 2 | 2 |
| CO2 | 2 | 2 | 2 | 2 |
| CO3 | 3 | 2 | 2 | 2 |
| CO4 | 3 | 2 | 2 | 2 |
| CO5 | 3 | 2 | 2 | 2 |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program Elective | Humanities and Social Science | Open Elective | Skill Enhancing Elective | Inter Disciplinary/ Allied | Skill Component | Practical / Project / internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|----------------------------|-----------------|----------------------------------|--------|
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|------------------|---|----------|----------|---------------|------------|
| HBEN22001 | Semester I | C | L | T/S.Lr | P/R |
| | ENGLISH I (Common to all UG Programs under H & S) | 3 | 3 | 0/0 | 0/0 |

Course Objectives:

The students will be facilitated to

1. Develop English Language skills (LSRW) to communicate in English without any inhibition.
2. Learn vocabulary and syntax to be fluent in English for social and academic communication
3. Demonstrate content knowledge through appropriate language use for academic success.
4. Develop in them analytical and interpretative skills for research, projects, placement etc.,
5. Engage in academic and business writing with a focus on social and professional ethics.

Unit I: Prose

1. Beware the loss of Biodiversity
2. The Urban - Rural Divide
3. Grading down Plastics
4. The Unsung Hero of Covid – 19 in India
5. From Aircrafts to Drones
6. My Vision for India

Unit II: Poetry

1. On Killing a Tree
2. The Road Not Taken
3. Anthem for Doomed Youth

Unit III: Short Story

1. Portrait of a Lady
2. The Connoisseur

Unit IV: Drama

1. The Never-Never Nest
2. Frederick Douglass

Unit V: Functional Grammar – Charts and LSRW Development

Functional Grammar: (*Grammar exercises spread up in all four units*)

Parts of speech- use of articles- prepositions – their uses – verb + prepositions- words followed by prepositions – modals -tenses- active -passive- impersonal passive forms- concord- conditional sentences – question tags - Common errors - Punctuation

Vocabulary development- word formation - prefixes-suffixes – synonyms-antonyms – homophones -homonyms – words often confused

Charts/Diagrams and their interpretation - their use

Tables - Flow chart - Pie chart -Bar chart

Letters: Formal and Informal

LSRW Development: audio, video and tasks for the content of lessons under each unit.

Course Outcomes:

On completing the course the students will be able to

1. Possess Language skills (LSRW) to communicate in English without any inhibition.
2. Express with appropriate lexis and syntax in English for social and academic communication
3. Demonstrate content knowledge through appropriate language use for academic success.
4. Analyse and interpret any genre of literature in English for research, projects, placement etc.,
5. Engage themselves in organized academic and business writing with professional ethics.

Prescribed Text:

1. M. Chandrasena Rajeswaran, R. Pushkala and S. Bhuvaneshwari, Pinnacle: A Skills Integrated Textbook
2. V. Karpagavadivu, S. Bhuvaneshwari, J. Valentina Rani, S. Magdelin Percy, English Workbook

Suggested Reading: Wren and Martin: Grammar and Composition, Chand and Co, 2006

| | | | | | | |
|-----------------------------------|--|----------|----------|--------------------|-----------------|-------------------------------|
| Subject Code: HBCH22ID5 | Subject: ALLIED- I CHEMISTRY –I | C | L | T/S.L r | P/ R | Ty/Lb/ ETP/I E |
| | Prerequisite: Basic Science | 3 | 3 | 0/0 | 0/0 | Ty |

L: Lecture T: Tutorial P: Practical C: Credits

OBJECTIVES

- To understand the basic ideas of synthetic fibers and plastics.
- To Emphasize the basic knowledge about metals, non-metals, and their physical and chemical properties
- To learn the basic principles of atoms and molecules.
- To know the basic ideas of matter around us.

COURSE OUTCOMES (CO's)

Students completing this course were able to

| | |
|------------|---|
| CO1 | Gains Knowledge about the several types of synthetic fibers and plastics which are in use. |
| CO2 | Acquires knowledge on metals, non-metals, their physical and chemical properties. |
| CO3 | Learns the basic principles of atoms and molecules. |
| CO4 | Acquires knowledge on several types of mixtures, solution, separations, and about pure substance. |
| CO5 | Gains Knowledge about the matter around us |

Mapping of Course Outcome with Program Outcome (PO's)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| CO1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 1 |
| CO2 | 2 | 2 | 3 | 2 | 1 | 2 | 1 | 2 | 3 |
| CO3 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| CO4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 |
| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 | PSO-5 | PSO-6 | PSO-7 | PSO-8 | PSO-9 |
| CO1 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| CO2 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 |
| CO3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 2 |
| CO4 | 2 | 2 | 3 | 3 | 3 | 1 | 2 | 2 | 3 |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|---------------------------|-----------------|-------------------------------|--------|
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|------------------|------------------------------|----------|----------|---------------|------------|
| HBCH22ID5 | ALLIED- I CHEMISTRY I | C | L | T/S.Lr | P/R |
| | | 3 | 3 | 0/0 | 0/0 |

OBJECTIVES:

- To Identify the origin methods and Importance of synthetic fibers
- To Learn the Method of physical and chemical properties of metals.
- To Understand the knowledge of Atoms and Molecules.
- To Gain knowledge of substance and mixtures.
- To Learn about evaporation and condensation

UNIT-I- Synthetic Fibers and Plastics: **9 hrs**
 Synthetic fibers - Plastics and other synthetic materials- Usefulness of plastics- Disadvantages of plastics- Fibrous materials in use.

UNIT-II- Materials: Metals and Non-Metals: **9 hrs**
 Metals: Physical and Chemical Properties and Uses - Non-Metals: Physical and Chemical Properties and Uses.

UNIT-III -Atoms and Molecules: **9 hrs**
 Properties of Matter - Laws of Chemical Combination - Dalton's Atomic Theory- Symbols of Elements-Molecules-Ions -Writing Chemical Formulae of Common Compounds-Mole Concept.

UNIT-IV- Is Matter Around us: **9 hrs**
 Pure Substances and Mixtures-Types of Mixtures-Solutions-Suspensions and Colloids- Separation of Mixtures-Physical and Chemical Changes-Types of Pure Substances-Types of Elements-Compounds-Separation of Mixtures II-Separation of Mixtures III.

UNIT-V- Matter In Our Surrounding: **9 hrs**
 Matter-Physical Properties and States of Matter-Diffusion-Change In States of Matter- Latent Heat-Evaporation-Condensation.

TOTAL: 45 HRS

REFERENCE BOOKS:

- 1.Chemical Technology of Fibrous material: F. Sadow
- 2.Technology of Textile Processing Vol: Chemistry of Dyes and Principles of Dyeing: Prof.V. A. Shenai

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|-----------------------------------|---|----------|----------|------------|------------|------------------|
| Subject Code: HBFD22001 | Subject Name: FASHION FOUNDATION | C | L | T/S .Lr | P/R | Ty/Lb/ETP /IE |
| | Prerequisite : Nil | 4 | 3 | 1/0 | 0/0 | Ty |

L : Lecture T : Tutorial P: Practical C: Credits

OBJECTIVES

- To learn about the basic drawing concepts of the designing.
- To impart knowledge about the color concepts of fashion.
- To familiarize the elements and principles of design in garment.
- To study about the different body types in women.
- To study about the different body types in men.

COURSE OUTCOMES (COs)

Students completing this course were able to

| | |
|------------|--|
| CO1 | Understanding the basic drawing concepts of the designing. |
| CO2 | Impart the color concepts of fashion in designing. |
| CO3 | Familiarize about the elements and principles of design. |
| CO4 | Gain knowledge about the different body types in women. |
| CO5 | Gain knowledge about the different body types in men. |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-------|-------|-------|-------|-----|-----|-----|-----|-----|
| CO1 | 3 | 2 | 3 | 3 | 2 | 3 | 2 | 1 | 3 |
| CO2 | 2 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 |
| CO3 | 3 | 1 | 3 | 3 | 1 | 3 | 2 | 2 | 3 |
| CO4 | 2 | 3 | 2 | 1 | 3 | 2 | 3 | 2 | 3 |
| CO5 | 3 | 3 | 3 | 2 | 3 | 3 | 1 | 3 | 2 |
| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 | | | | | |
| CO1 | 3 | 3 | 3 | 3 | | | | | |
| CO2 | 2 | 3 | 2 | 2 | | | | | |
| CO3 | 3 | 2 | 3 | 3 | | | | | |
| CO4 | 3 | 3 | 3 | 2 | | | | | |
| CO5 | 2 | 3 | 2 | 3 | | | | | |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
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|------------------|---------------------------|----------|----------|---------------|------------|
| HBFD22001 | FASHION FOUNDATION | C | L | T/S.Lr | P/R |
| | | 4 | 3 | 1 | 0 |

OBJECTIVE

- To learn about the basic drawing concepts of the designing.
- To impart knowledge about the color concepts of fashion.
- To familiarize the elements and principles of design in garments.
- To study about the different body type in women.
- To study about the different body type in men.

UNIT – I: DRAWING CONCEPTS

12 hrs

Elements of Drawing -Line, Shape, Form, Color and Texture Principle of Drawing - Balance, Rhythm, Emphasis, Proportion, Harmony. Geometrical Shapes- Square, Circle, Triangle. Sketching- Shades, Shades and Techniques. Hatching and its types. - Cross hatching, Linear hatching, Contour Hatching and Circulism hatching and Stippling.

UNIT – II: COLOR CONCEPTS

12 hrs

Color- Primary Colors, Secondary colors, Tertiary colors. Color Dimension- Hue, Intensity, Value, Tint, Tone, Shade and Neutral Color. Color Schemes- Mono Chromatic, Analogous, Achromatic, Complementary, Split Complementary and Triad. Color types - Warm colors and Cool Colors. Color Emotions.

UNIT – III: MOTIF DESIGN

12 hrs

Design and Motifs - Natural Motif (Floral and Leaf), Geometrical Motif- Abstract Motif -Traditional Motif - Application of Principle of Design on Garment - Good Structural Design - Decorative Design- Balance – Formal and Informal Balance, Rhythm Through Repetition, Radiation and Gradation Emphasis, Harmony and Proportion.

UNIT – IV: ENSEMBLES FOR WOMEN

12 hrs

Different body type-pear – diamond- round- hourglass- inverted triangle- rectangle- Problem areas - upper garment – short and heavy neck, narrow and sloping shoulders, broad shoulder, heavy arms, thin arms, large bust, small bust, flat chest, wide at waist heavy and protruding hips. Lower garment – wide at waist heavy and protruding hips, flat hips, heavy legs, thin legs, long torso and short leg. Short torso and long legs, short in height and tall in height.

UNIT – V: ENSEMBLES FOR MEN:

12hrs

Different body type- Short and heavy body, short and thin body, tall and heavy body, tall and thin body and Athletic body. Problem areas- Upper garment- short and heavy neck, narrow and sloping shoulders, broad shoulders, broad chest, skinny chest, bulging tummy, broad hips, Lower Garments - bulging tummy, broad hips, flat hips, heavy legs, thin legs, long torso and short legs, short in height and tall in height.

TOTAL: 60 HRS

REFERENCE BOOKS:

1. Comdex Fashion Design Volume II by Dr. Navneet Kaur. Color
2. Design Studies by Man meet sodhia- Kalyani Publishers.
3. Fashion and Color by Mary Garthe - Rockport Publishers.
4. Comdex Fashion Design Volume I by Dr. Navneet Kaur

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|--|--|----------------------|---------------------------------------|---------------------|--------------------------|-----------------------|--------------------------|---------------------------------------|--------------------------|-------------|---|-------------|
| Subject Code: HBCC22001 | Subject Name: ENVIRONMENTAL STUDIES | | | | | | C | L | T/S .Lr | P/R | Ty/L b/ET P/IE | |
| | Prerequisite : None | | | | | | 3 | 3 | 0/0 | 0/0 | Ty | |
| L : Lecture T : Tutorial P : Project C: Credits | | | | | | | | | | | | |
| OBJECTIVES: | | | | | | | | | | | | |
| <ul style="list-style-type: none"> • To acquire knowledge of the Environment and Ecosystem and Biodiversity • To acquire knowledge of the different types of Environmental pollution • To know more about Natural Resources and social issues and the Environment • To attain familiarity of human population and Environment. | | | | | | | | | | | | |
| COURSE OUTCOMES (Cos): | | | | | | | | | | | | |
| Students completing the course were able to | | | | | | | | | | | | |
| CO1 | To know about Environment and Ecosystem and Biodiversity | | | | | | | | | | | |
| CO2 | To clearly comprehend air, water, Soil, Marine, Noise, Thermal and Nuclear Pollutions and Solid Waste management and identify the importance of natural resources. | | | | | | | | | | | |
| CO3 | To know about the natural resources and environmental problems associated with climate change, global warming, acid rain, ozone layer depletion etc., and explain possible solution. | | | | | | | | | | | |
| Mapping of Course Outcomes with Program Outcomes (POs) | | | | | | | | | | | | |
| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PSO1 | PSO2 | PSO3 |
| CO1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | | | |
| CO2 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | | | |
| CO3 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | | | |
| Category | Basic Sciences | Engg Sciences | Humanities and Social Sciences | Program core | Program Electives | Open Electives | Practical Project | Internships / Technical Skills | Soft Skills | | | |
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| HBCC22001 | ENVIRONMENTAL STUDIES | C | L | T/S.Lr | P/R |
| | | 3 | 3 | 0 | 0 |

UNIT I ENVIRONMENT AND ECOSYSTEMS. 9 hrs

Definition, scope and importance of environment – need for public awareness – concept, structure and function of an ecosystem – producers, consumers and decomposers – energy flow in the ecosystem. Biodiversity at National and local levels – India

UNIT II ENVIRONMENTAL POLLUTION 9 hrs

Definition – causes, effects and control measures of: (a) Air pollution (b) Water pollution (c) Soil pollution (d) Marine pollution (e) Noise pollution (f) Nuclear hazards (g) E-Wastes and causes, effects and control measures

UNIT III NATURAL RESOURCES 9 hrs

Forest resources: Use and over-exploitation, deforestation. Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems. Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems.

UNIT IV SOCIAL ISSUES AND THE ENVIRONMENT 9 hrs

From unsustainable to sustainable development – urban problems related to energy – water conservation, rain water harvesting, watershed management – resettlement and rehabilitation of people; its problems and concerns climate change, global warming, acid rain, ozone layer depletion, nuclear accidents, central and state pollution control boards- Public awareness.

UNIT V HUMAN POPULATION AND THE ENVIRONMENT 9 hrs

Population growth, variation among nations – population explosion, environment and human health – human rights – value education – HIV / AIDS – women and child welfare – role of information technology in environment and human health

Total no of Hours: 45

TEXT BOOKS:

1. Gilbert M. Masters, ‘Introduction to Environmental Engineering and Science’, 2nd edition, Pearson Education (2004).
2. Benny Joseph, ‘Environmental Science and Engineering’, Tata McGraw-Hill, New Delhi, (2006)
3. 4. Comdex Fashion Design Volume I by Dr. Navneet Kaur.
4. Color Harmony2 by Bride Whelan- Rockport Publishers.

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|---|--|-------------------------|--------------------------------------|----------------------|---------------------------------|----------------------------------|------------------------|--------------------------------------|---------------|--|
| Subject Code: HBCC22L01 | Subject Name: COMPUTER SOFTWARE LAB (WORD, EXCEL, POWERPOINT, PAINT, INTERNET) | C | L | T/S.Lr | P/R | Ty/Lb/ETP/IE | | | | |
| | Prerequisite: NIL | 2 | 0/0 | 0/0 | 3 | Lb | | | | |
| L: Lecture T: Tutorial SLr: Supervised Learning P: Project R: Research C: Credits Ty/Lb/ETL : Theory/Lab/Embedded Theory and Lab | | | | | | | | | | |
| OBJECTIVES: | | | | | | | | | | |
| <ul style="list-style-type: none"> To train students how to use MS Office applications use in office work such as creating professional-quality documents; store, organize and analyze information; arithmetic operations and functions. MS Excel to enable the students for creating tables, scatter plots, and completing data analysis. Gain knowledge in practical applications of Word, Excel, Power point, Paint and Internet. | | | | | | | | | | |
| COURSE OUTCOMES (COs) : (3- 5) | | | | | | | | | | |
| CO1 | Demonstrate the usage of various operations in MS Word | | | | | | | | | |
| CO2 | Perform calculations in Microsoft Excel using both manually inputting formulas and built-in functions. | | | | | | | | | |
| CO3 | Develop dynamic slide presentations with animation, narration, images, and much more, digitally and effectively. | | | | | | | | | |
| CO4 | Create drawings to include clipart, color, shape, size, text, enhance text | | | | | | | | | |
| CO5 | Understanding how to search specific website, sending mails etc. | | | | | | | | | |
| Mapping of Course Outcomes with Program Outcomes (POs) | | | | | | | | | | |
| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | |
| CO1 | 3 | 3 | 1 | 2 | 1 | 2 | 3 | 2 | 2 | |
| CO2 | 3 | 2 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | |
| CO3 | 3 | 3 | 1 | 2 | 1 | 2 | 3 | 2 | 2 | |
| CO4 | 3 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | |
| CO5 | 3 | 3 | 1 | 1 | 1 | 2 | 3 | 2 | 3 | |
| Mapping of Course Outcomes with Program Outcomes (POs) | | | | | | | | | | |
| COs / PSO s | PSO-1 | PSO-2 | PSO-3 | PSO-4 | | | | | | |
| CO1 | 3 | 3 | 3 | 2 | | | | | | |
| CO2 | 2 | 3 | 2 | 3 | | | | | | |
| CO3 | 3 | 2 | 3 | 3 | | | | | | |
| CO4 | 3 | 3 | 3 | 2 | | | | | | |
| CO5 | 2 | 3 | 2 | 3 | | | | | | |
| 3/2/1 indicates Strength of Correlation 3- High, 2- Medium, 1-Low | | | | | | | | | | |
| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others | |
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|------------------|------------------------------|----------|------------|--------------------|-----------------|
| HBCC22L01 | COMPUTER SOFTWARE LAB | C | L | T/S.L r | P/ R |
| | | 2 | 0/0 | 0/0 | 3 |

Computer software lab (MS office-Word, Excel, PowerPoint, Paint and Internet)

- UNIT 1:** OFFICE APPLICATIONS – I
MS OFFICE: MS-WORD
- UNIT 2:** OFFICE APPLICATIONS - II
MS OFFICE: MS-EXCEL
- UNIT 3:** OFFICE APPLICATIONS - III
MS OFFICE: MS-POWER POINT
- UNIT 4:** MICROSOFT PAINT EXERCISES - IV
- UNIT 5:** INTERNET AND ITS APPLICATIONS- V

TOTAL : 45 HRS

SUGGESTED HANDS ON EXERCISES

OFFICE APPLICATIONS - I

1. Preparing a Govt. Order / Official Letter / Business Letter / Circular Letter
Covering formatting commands - font size and styles - bold, underline, upper case, lower case, superscript, subscript, indenting paragraphs, spacing between lines and characters, tab settings etc.
2. Preparing a news letter:
To prepare a newsletter with borders, two columns text, header and footer and inserting a graphic image and page layout.
3. Creating and using styles and templates
To create a style and apply that style in a document
To create a template for the styles created and assemble the styles for the template.
4. Creating and editing the table
To create a table using table menu
To create a monthly calendar using cell editing operations like inserting, joining, deleting, splitting and merging cells
To create a simple statement for math calculations viz. Totalling the column.
5. Creating numbered lists and bulleted lists
To create numbered list with different formats (with numbers, alphabets, roman letters) To create a bulleted list with different bullet characters.
6. Printing envelopes and mail merge.
To print envelopes with from addresses and to addresses
To use mail merge facility for sending a circular letter to many persons
To use mail merge facility for printing mailing labels.
7. Using the special features of word
To find and replace the text
To spell check and correct.
To generate table of contents for a document
To prepare index for a document.
8. Create an advertisement
Prepare a resume

SUGGESTED HANDS ON EXERCISES

OFFICE APPLICATIONS - II

9. Using formulas and functions:
To prepare a Worksheet showing the monthly sales of a company in different branch offices (Showing Total Sales, Average Sales).
Prepare a Statement for preparing Result of 10 students in 5 subjects (using formula to get Distinction, A Grade, B Grade, C Grade and Fail under Result column against each student).

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10. Operating on the sheets:
Finding, deleting and adding records, formatting columns, row height, merging, splitting columns etc. Connecting the Worksheets and enter the data.
11. Creating a Chart:
To create a chart for comparing the monthly sales of a company in different branch offices.
12. Using the data consolidate command:
To use the data consolidate command to calculate the total amount budgeted for all departments (wages, travel and entertainment, office supplies and so on) or to calculate the average amount budgeted for – say, department office expenses.
13. Sorting Data, Filtering Data and creation of Pivot tables.

SUGGESTED HANDS ON EXERCISES

OFFICE APPLICATIONS - III

14. Creating a new Presentation based on a template – using Auto content wizard, design template and Plain blank presentation.
15. Creating a Presentation with Slide Transition – Automatic and Manual with different effects.
16. Creating a Presentation applying Custom Animation effects –
Applying multiple effects to the same object and changing to a different effect and removing effects.
17. Creating and Printing handouts.

SUGGESTED HANDS ON EXERCISES

OFFICE APPLICATIONS - IV

18. To show your understanding of Microsoft Paint, label the drawing with the following labels: zoom tool, eraser, line thickness, example clipart, arrow shape, line tool, get more colors, add text, document title, save icon, undo, select, rotate, icon, fill, freehand tool, copy, color 2. You only need to use each label once.
19. Microsoft Paint Exercise
 - A. Create a logo for a business.
 - B. Examples: for a computer shop, a greengrocer, a garage, an education centre, a restaurant, a sports club, or anything you choose!
 - C. Get ideas by looking at other business/popular logos.
 - D. You can insert clipart.
 - E. Save your drawing as Logo.
 - F. Print your logo. Use Page Setup to fit your logo to the page.*Ensure your logo represents the business and contains some text.

SUGGESTED HANDS ON EXERCISES

OFFICE APPLICATIONS - V

20. Searching for a web site / application / text documents viewing and downloading.
21. Create an E-mail account, retrieving messages from inbox, replying, attaching files filtering and forwarding
22. Operating on a Tablet / Smart Phone - browsing and practicing on some important applications (Browser, Skype) - operating on internet – creating and sending messages / mails using the applications like WhatsApp and WeChat - downloading text and media files and video conferencing using Skype.

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|-----------------------------------|---|----------|----------|------------|------------|----------------------|
| Subject Code: HBFD22L01 | Subject Name: FASHION FOUNDATION LAB | C | L | T/S.Lr | P/ R | Ty/Lb/ ETP/I E |
| | Prerequisite: Nil | 2 | 0 | 0/0 | 3/0 | Lb |

L : Lecture T : Tutorial P: Practical C: Credits

OBJECTIVES

- To familiarize students with the basic drawing concepts of the designing.
- To gain the knowledge of Various Art Medium.
- To understand the fundamental aspect of Design application in dress.
- To learn the fundamental aspect of color application in dress.
- To familiarize with Flat sketches of Garment Components

COURSE OUTCOMES (COs)

Students completing this course were able to

| | |
|------------|--|
| CO1 | Familiarize students with the basic drawing concepts of the designing. |
| CO2 | Spread over knowledge of application of Different types of Mediums. |
| CO3 | Understand the fundamental aspect of Design application in dress. |
| CO4 | Learn the fundamental aspect of color application in dress. |
| CO5 | Familiarize with Flat sketches of Garment Components. |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 3 |
| CO2 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 2 | 3 |
| CO3 | 3 | 3 | 1 | 3 | 1 | 2 | 2 | 1 | 3 |
| CO4 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 2 | 1 |
| CO5 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 | | |
|------------|-------|-------|-------|-------|--|--|
| CO1 | 3 | 3 | 2 | 3 | | |
| CO2 | 3 | 3 | 2 | 3 | | |
| CO3 | 3 | 3 | 1 | 3 | | |
| CO4 | 3 | 3 | 1 | 3 | | |
| CO5 | 3 | 3 | 1 | 3 | | |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|---------------------------|-----------------|-------------------------------|--------|
| | | | | | | | | √ | |

| | | | | | |
|------------------|-------------------------------|----------|----------|---------------|------------|
| HBFD22L01 | FASHION FOUNDATION LAB | C | L | T/S.Lr | P/R |
| | | 2 | 0 | 0 | 3 |

LIST OF EXPERIMENTS:

1. BASIC DESIGN: Tools and Application, Types of Pencil H, HB and B, Types of Lines, how to Draw Geometrical Shapes- 2D Shapes and 3 D Shapes.

2. PENCIL SHADING

3. COLOUR PENCIL

4.ACRYLIC COLOUR Color Wheel, Value, Color Chart Intensity Tint, Color and Shade Demo and Exercise, Color Schemes Monochromatic, Chromatic, Contrast, Complimentary, Double Complimentary, Split Complimentary, Tertiary Color Schemes.

5.WATER COLOUR

6. DRAWING INK and PEN

7. OIL PASTEL

8. 8 HEAD THEORY AND 10 HEAD THEORY

9. TYPES OF COLLARS AND POCKETS

10. TYPES OF NECKLINES AND SLEEVES

11. TYPES OF CUFFS AND SKIRTS

12. TYPES OF YOKE AND SWIM WEARS

TOTAL: 45 HRS

REFERENCE BOOKS:

1. Complete Art Foundation Course: Drawing, Watercolor, Oils and Acrylics by Curtis Tappenden, Nick Tidman, Octopus Books, 2006 - Art - 424 pages.
2. Fashion Rendering with Colour- Bina Abling.
3. Fashion Illustration Basic Techniques-Julian Seaman.
4. Foundation in Fashion Design AND Illustration, Julian seaman, Chrysalis Book
5. Technical Drawing for Fashion Design Garment Source Book (Alexandra Suhner Isenberg)

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| | | | | | | |
|--|--|----------|------------|-------------------------|-----------------|--------------------------|
| SUBJECT CODE: HBCC22I01 | COMMUNICATION SKILL LAB (B.Sc./BCA/BPES Programs) | C | L | T/ S. Lr | P/ R | Ty/Lb/E TP/IE |
| | Total contact hours – 15 | 1 | 0/0 | 0/0 | 2 | IE |
| | Prerequisite – Plus 2 English | | | | | |
| | Course designed by – Department of English | | | | | |

Course Objectives:

1. Understand the concepts of communication and the use of language as a medium of communication.
2. Shed off language anxieties and gain confidence to speak in English with activities focused on grammar and conversation.
3. Listen and speak for interpersonal communication and academic activities.
4. Read and write for lifelong learning, knowledge enhancement and research.
5. Communicate to work in teams and follow social ethics in the global culture.

Course Outcomes (COs)

| | |
|---|---|
| 1 | Use English as a medium of communication for academic and professional attainment |
| 2 | Shed off language anxieties and gain confidence to speak with different kinds of people in varied contexts. |
| 3 | Listen and speak for interpersonal communication and academic activities. |
| 4 | Read and write for lifelong learning, knowledge enhancement and research. |
| 5 | Communicate to work in teams and follow social ethics in the global culture. |

Program Specific Objectives

| | |
|------|--|
| PSO1 | Understanding of the basic concepts of English language and literature. |
| PSO2 | Learning through literature in English, diverse historical cultural and social ethics |
| PSO3 | Application of literary critical perspectives to generate original analysis of literature in English |
| PSO4 | Promotion of cultural values and real-life skills through English language and literature |

Mapping of course outcomes (COs) with Program Outcomes (POs)

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 3 | 3 | 1 | 3 | 3 | 2 | 2 | 3 |
| CO2 | 3 | 3 | 3 | 1 | 3 | 3 | 2 | 2 | 3 |
| CO3 | 3 | 3 | 3 | 1 | 3 | 3 | 2 | 2 | 3 |
| CO4 | 3 | 3 | 3 | 1 | 3 | 3 | 2 | 2 | 3 |
| CO5 | 3 | 3 | 3 | 1 | 3 | 3 | 2 | 2 | 3 |

Mapping of course outcomes (COs) with program Specific outcomes (PSOs)

| COs | PSO1 | PSO2 | PSO3 | PSO4 |
|-----|------|------|------|------|
| CO1 | 2 | 2 | 2 | 2 |
| CO2 | 2 | 2 | 2 | 2 |
| CO3 | 3 | 3 | 3 | 3 |
| CO4 | 3 | 3 | 3 | 3 |
| CO5 | 3 | 3 | 3 | 3 |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program Elective | Humanities and Social Science | Open Elective | Skill Enhancing Elective | Inter Disciplinary/ Allied | Skill Component | Practical / Project / internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|----------------------------|-----------------|----------------------------------|--------|
| | | | | | | | √ | | |

COMMUNICATION SKILL LAB

(Common to all UG HANDS Courses) 30 HOURS

Prefatory note:

The paper seeks to train students in communicative skills and also give a firm foundation in listening and speaking by engaging students with authentic audios and videos; the students will immensely benefit from strategy instruction for effective reading and writing; they will be able to recognize the importance of grammar and vocabulary for effective reading and writing. The present global scenario requires increasing need for clear and cordial communication with people from different culture. Cultural Intelligence is given as a unit to help students learn about low and high context cultures. It aligns with the University's mission of disseminating knowledge in the pursuit of education, learning and research at the highest international levels of excellence.

Methodology: Flipped Classrooms and Mobile Assisted Language Learning

Course Objective

The students will be facilitated to

1. Use English as a medium of communication for academic and professional attainment
2. Shed off language anxieties and gain confidence to speak with different kinds of people in varied contexts.
3. Listen and speak for interpersonal communication and academic activities.
4. Read and write for lifelong learning, knowledge enhancement and research.
5. Communicate to work in teams and follow social ethics in the global culture.

Unit-I Listening

- Listening for Social and Academic purposes
- Non-verbal and coverbal communication
- Imitating for pronunciation, intonation, word stress, etc.,

Cognitive Activity: Note taking during lecture sessions

Unit-II Speaking

The art of speaking and negotiating

Interpersonal Communication

- | | |
|--------------------------|----------------------------------|
| 1. Opening conversation | 11. Persuading |
| 2. Introducing oneself | 12. Warning |
| 3. Asking about others | 13. Expressing regret |
| 4. Making small talk | 14. Agreeing |
| 5. Asking for directions | 15. Disagreeing |
| 6. Enquiring | 16. Ending a conversation |
| 7. Thanking | 17. Saying what you intend to do |
| 8. Appreciating | 18. Expressing dislikes |
| 9. Offering help | 19. Comparing |
| 10. Requesting | 20. Complaining |

Academic Communication

1. Instructional conversations
2. Power Point Presentation
3. Narrating about incidents
4. Public speaking – explaining success stories of self and others
5. Group Discussion
6. Interview for Projects and Placement

Unit-III Reading skills

1. Types and mechanics of reading
2. Tips for effective reading
3. Reading Strategies
4. Cognitive Strategy: Note Making, Comprehension exercise, oral and written review,

Unit- IV Writing Skills

- The Process of Writing
 1. Grammar, vocabulary, discourse markers and sentence construction
 2. Writing and Rewriting: drafting, revising, editing.
- Writing as a scaffolding activity
 1. Summarizing
 2. Paraphrasing
 3. Precis writing
 4. Short notes and Essay writing

Unit -V Intercultural communication skills

1. Go local
2. Group behavior
3. E mail and intercultural communication
4. High and low context cultures
5. Cultural diversity in terms of time and space

ASSESSMENT

Clubbed with each unit in the form of Audio listening, watching Videos, quiz, roleplay – public speaking, PPT presentation, reading and writing.

Course Outcome

On completing the course, the students will be able to

- Use English as a medium of communication for academic and professional attainment
- Shed off language anxieties and gain confidence to speak with different kinds of people in varied contexts.
- Listen and speak for interpersonal communication and academic activities.
- Read and write for lifelong learning, knowledge enhancement and research.
- Communicate to work in teams and follow social ethics in the global culture.

Prescribed Text

J. C. Richards with J. Hull and Proctor, Interchange, Level 2, Cambridge University Press, 2015

Recommended Reading

1. P.D. Chaturvedi and M. Chaturvedi, Communication Skills, Pearson, 2012
2. Anderson, Kenneth Joan Maclean and Tony Lynch. Study Speaking, Cambridge: CUP 2004
3. Dutt, Kiranmai, P., Geetha Rajeevan, CLN Prakash, A Course in Communication Skills, Delhi: Foundations Books, 2008
4. Sethi, J., P.V. Dhamija. A Course in Phonetics and Spoken English 2nd Ed. New Delhi, Prentice Hall of India Pvt Ltd. 2005.
5. Yadugiri, M.A., The Pronunciation of English, New Delhi, Viva Books, 2013.
6. Bailey, Stephen: Academic Writing: A Practical Guide for Students, London and New York: Routledge Falmer, 2004.
7. M.C. Rajeswaran, Permuting Role play in Oral Skill Assessment, International Journal of Innovative Research and Studies, Vol. 13, Issue 12, pp. 91-100, Dec. 2014

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|---|--|----------|----------|----------------|------------|----------------------|
| SUBJECT CODE: HBCC22I02 | SOFT SKILL I | C | L | T/S. Lr | P/R | Ty/Lb/E TP/IE |
| | Total contact hours – 15 | 1 | 0 | 0/0 | 2/0 | IE |
| | Prerequisite – Plus 2 English | | | | | |
| | Course designed by – Department of English | | | | | |
| Objectives: | | | | | | |
| <ol style="list-style-type: none"> 1. Become good listeners to get engaged in interactive communication for effective team building. 2. Develop assertive and adaptive behaviour to be leaders 3. Develop peer interaction for a successful lifelong learning. 4. Learn skills necessary for a cooperative living in academic and professional environments 5. Use soft skills for the purposes of research and follow ethics in society and profession. | | | | | | |
| Course Outcomes (COs) | | | | | | |
| 001 | Become good listeners to get engaged in interactive communication for effective team building. | | | | | |
| 002 | Develop assertive and adaptive behaviour to be leaders | | | | | |
| 003 | Develop peer interaction for a successful lifelong learning. | | | | | |
| 004 | Learn skills necessary for a cooperative living in academic and professional environments | | | | | |
| 005 | Use soft skills for the purposes of research and follow ethics in society and profession | | | | | |
| Program Specific Objectives | | | | | | |
| PSO1 | Understanding of the basic concepts of English language and literature. | | | | | |
| PSO2 | Learning through literature in English, diverse historical cultural and social ethics | | | | | |
| PSO3 | Application of literary critical perspectives to generate original analysis of literature in English | | | | | |
| PSO4 | Promotion of cultural values and real-life skills through English language and literature | | | | | |

| Mapping of course outcomes (COs) with Program Outcomes (POs) | | | | | | | | | |
|---|------|------|------|------|-----|-----|-----|-----|-----|
| (H/M/L indicates the strength of correlation) H= High; M= Medium; L= Low | | | | | | | | | |
| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
| 1 | 3 | 3 | 3 | 1 | 2 | 2 | 1 | 2 | 3 |
| 2 | 3 | 3 | 3 | 1 | 2 | 2 | 1 | 2 | 3 |
| 3 | 3 | 3 | 3 | 1 | 2 | 2 | 1 | 2 | 3 |
| 4 | 3 | 3 | 3 | 3 | 3 | 2 | 1 | 2 | 3 |
| 5 | 3 | 3 | 3 | 3 | 3 | 2 | 1 | 2 | 3 |
| Mapping of course outcomes (COs) with program Specific outcomes (PSOs) | | | | | | | | | |
| COs | PSO1 | PSO2 | PSO3 | PSO4 | | | | | |
| CO1 | 3 | 2 | 2 | 2 | | | | | |
| CO2 | 2 | 2 | 2 | 2 | | | | | |
| CO3 | 3 | 2 | 2 | 2 | | | | | |
| CO4 | 3 | 2 | 2 | 2 | | | | | |
| CO5 | 3 | 2 | 2 | 2 | | | | | |
| 3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low | | | | | | | | | |

| Category | Program Core | Program Elective | Humanities and Social Science | Open Elective | Skill Enhancing Elective | Inter Disciplinary/ Allied | Skill Component | Practical / Project / internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|----------------------------|-----------------|----------------------------------|--------|
| | | | | | | | √ | | |

Prefatory Note

SOFT SKILL I

(COMMON TO ALL UG DEGREE PROGRAMS)

This paper aims to equip students with skills essential for work place and global environment to which they will move on from the university, once they complete the course. As such, this paper provides students with a set of ten interlinked soft skills: Listening, team work, emotional intelligence, assertiveness, learning to learn, problem solving, attending interviews, adaptability, non-verbal communication and written communication. Students will get engaged in pair work, group work, role play, discussion, presentation, storytelling, writing assignments etc.,

Course Objective

The students will be facilitated to

1. Become good listeners to get engaged in interactive communication for effective team building.
2. Develop assertive and adaptive behaviour to be leaders
3. Develop peer interaction for a successful lifelong learning.
4. Learn to learn skills necessary for a cooperative living in academic and professional environments
5. Use soft skills for the purposes of research and follow ethics in society and profession.

Unit -I

Listening, Speaking, Reading and Writing skills (LSRW)

Unit -II

Team work skills: adaptability, emotional intelligence, learning skills

Unit -III

Leadership Qualities: assertiveness, reasoning, compassion and compatibility

Unit -IV

Problem solving: willingness to learn, creative thinking, developing observation skills

Unit -V

Interview skills: employability skills, resume writing

Course outcome

On completion of the course the students will

1. Become good listeners to get engaged in interactive communication for effective team building.
2. Develop assertive and adaptive behaviour to be leaders
3. Develop peer interaction for a successful lifelong learning.
4. Learn skills necessary for a cooperative living in academic and professional environments
5. Use soft skills for the purposes of research and follow ethics in society and profession.

Suggested reading-S.P. Dhanavel, English and Soft Skills, Vol. 1, Orient Blackswan Pvt. Ltd. 2010.

TOTAL: 30 HRS

SEMESTER-II

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|-----------------------------------|------------------------------------|----------|----------|--------------------|----------------------|-------------------------------|
| Subject Code: HBTA22002 | Subject Name: TAMIL - II | C | L | T/S. Lr | P / R | Ty/Lb /ETP/ IE |
| | Prerequisite: Tamil Paper I | 3 | 3 | 0/0 | 0/0 | Ty |

L : Lecture T : Tutorial SLr : Supervised Learning P: Project R : Research C : Credits
Ty/Lb/ETL: Theory / Lab / Embedded Theory and Lab

OBJECTIVES

- Communicating with friends from around the world via social networking opportunities.
- To develop 21st century learners who love & appreciate Tamil language.
- Learn significance of spoken skill.
- The relationship between language & culture and the implications for language teaching
- Travelling to other countries and learning about other cultures.

COURSE OUTCOMES (COs)

Students completing this course were able to

| | |
|------------|---|
| CO1 | Strengthen literacy skills |
| CO2 | Engage in learning Tamil language and culture in a meaningful setting |
| CO3 | Engross in independent and life-long learning |
| CO4 | Develop a strong foundation in listening & speaking skills. |
| CO5 | Arouse students interest and ignite the joy of learning Tamil language. |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 2 |
| CO2 | 2 | 2 | 3 | 2 | 3 | 2 | 2 | 3 | 3 |
| CO3 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 2 |
| CO4 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 3 | 2 |
| CO5 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 3 |

3/2/1 Indicates Strength Of Correlation, 3 – High, 2- Medium, 1- Low

| COs | PSOs | | | |
|-------------|------|------|------|------|
| | PSO1 | PSO2 | PSO3 | PSO4 |
| CO 1 | 3 | 3 | 3 | 3 |
| CO 2 | 2 | 2 | 3 | 3 |
| CO 3 | 3 | 3 | 3 | 3 |
| CO 4 | 2 | 2 | 3 | 3 |
| CO 5 | 3 | 3 | 3 | 2 |

| Category | Program Core | Program Elective | Humanities and Social Science | Open Elective | Skill Enhancing Elective | Inter Disciplinary/ Allied | Skill Component | Practical / Project / internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|----------------------------|-----------------|----------------------------------|--------|
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பொதுத்தமிழ்

இளநிலை மாணாக்கருக்கு

B.A/B.Sc/B.Com/B.B.A/B.C.A/B.PES
HBTA22002

முதலாம் ஆண்டு - இரண்டாம் பருவம்

கற்றல் நோக்கம்: 1.தமிழர் பண்பாட்டினை அறியச் செய்தல்

2. கடிதம் எழுதும் திறன் வளர்த்தல்

3.தமிழ் இலக்கிய வரலாற்றினை அறிதல்

அலகு - 1 சங்க இலக்கியம்

9 மணி நேரம்

1. புறநானூறு - பா.எண் - 183,184,192
2. குறுந்தொகை - பா. எண் 2,40,167
3. நெடுநல்வாடை - 1 முதல் 44 வரிகள் வரை
- 4.கலித்தொகை - பா.எண் 102,133

அலகு - 2 காப்பியம்

9 மணி நேரம்

1. சிலப்பதிகாரம் - வழக்கு உரை காதை முழுவதும்

அலகு - 3 நீதி இலக்கியம்

9 மணி நேரம்

- 1.திருக்குறள் - 34,72,96,102,103,116,124,136,158,395 (10 குறள்கள்)
- 2.நாலடியார் - 1,11,29,32,43,51,74,103,116,135 (10 பாடல்கள்)
- 3.ஆசாரக்கோவை - 20,23,25,76,96 (5 பாடல்கள்)
- 4.திரிகடுகம் - 7,12,27,31,38,(5 பாடல்கள்)

அலகு - 4 தமிழ் இலக்கிய வரலாறு

9 மணி நேரம்

1. பக்தி இலக்கியம்
2. சிற்றிலக்கியம்

அலகு - 5 இலக்கணம்

9 மணி நேரம்

- 1.வல்லினம் மிகும் இடங்கள்
2. வல்லினம் மிகா இடங்கள்
3. வினா வகைகள்
4. விடை வகைகள்

மொழிப்பயிற்சி

1. கடிதம் எழுதும் முறை
- 2.செய்வினை - செயப்பாட்டு வினை
- 3.மயங்கொலிப் பிழையை நீக்குக

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|-----------------------------------|-----------------------------------|----------|----------|-------------------------|-----------------|--------------------------|
| Subject Code: HBHI22002 | Subject Name: HINDI II | C | L | T/ S.L r | P/ R | Ty/Lb/ ETP/IE |
| | Prerequisite : Knowledge of Hindi | 3 | 3 | 0/0 | 0/0 | Ty |

L : Lecture, T : Tutorial,SLr : Supervised Learning, P: Project, R : Research, C : Credits,
Ty/Lb/ETL :Theory / Lab / Embedded Theory and Lab

OBJECTIVES

- 1.To Understand the Ancient Hindi plays and its aspects.
- 2.To understand the medieval stories and well known novels
- 3.To know the techniques in writing Annotation and Translation

COURSE OUTCOMES (COs)

Students completing this course were able to

| | |
|------------|---|
| CO1 | Introduce students to the real world situation with the help of Plays and stories written by various poets and writers. |
| CO2 | Understand the Literature in broader areas than merely confined to the subject |
| CO3 | Evaluate the concept of Hindi from past to present and to study the society closely through Literature. |
| CO4 | Make the best use of Hindi language in various streams. |
| CO5 | Helps in their Career acquiring knowledge in a language |

Mapping of Course Outcome with Program Outcome (POs)

| Sem I | Course code: HBH122002 | | | | | | | | |
|-----------------|-------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | Programme Outcomes(POs) | | | | | | | | |
| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
| CO1 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 |
| CO2 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 2 |
| CO3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 |
| CO4 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 |
| CO5 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program Elective | Humanities and Social Science | Open Elective | Skill Enhancing Elective | Inter Disciplinary/ Allied | Skill Component | Practical / Project / Internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|----------------------------|-----------------|----------------------------------|--------|
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|-----------------------------------|-----------------------------------|----------|----------|------------|------------|----------------------|
| Subject Code: HBHI22002 | Subject Name: HINDI II | C | L | T/S .Lr | P/R | Ty/L b/ET P/IE |
| | Prerequisite : Knowledge of Hindi | 3 | 3 | 0/0 | 0/0 | Ty |

L : Lecture, T : Tutorial, SLr : Supervised Learning, P: Project, R : Research, C : Credits,
T/L/ETL :Theory / Lab / Embedded Theory and Lab

UNIT – I One Act Play – novel and translation of hindi language)

1. Auranzeb ki AakhiriRaas
2. Mukthidhan
3. Practice of Annotation Writing
4. Practice of Summary and Literary evaluationWriting

UNIT – II One Act Play – novel and translation of hindi language)

1. Laksmi kaSwagat
2. Mithayeewala
3. Practice of AnnotationWriting
4. Practice of Summary and Literary evaluationWriting

UNIT-III One Act Play – novel and translation of hindi language)

1. Basant Ritu kaNatak
2. Seb Aur Dev
3. Practice of AnnotationWriting
4. Practice of Summary and Literary evaluationWriting

UNIT-IV One Act Play – novel and translation of hindi language)

1. Bahut BadaSawal
2. Vivah ki TeenKathayen
3. Practice of AnnotationWriting
4. Practice of Summary and Literary evaluationWriting

UNIT-V(Translation of Hindi Lanaguage to English language-paragraph, technical terms)

1. Translation Practice. (English to Hindi)

REFERENCE:

1. Aath Ekanki, Edited by Devendra Raj Ankur, Mahesh Anand Vaani prakashan, 4695, 21- A Dariyagunj, New Delhi-110002
2. Swarna Manjari, Edited by Dr.Chitti Annapurna, Rajeshwari Publications 21/3, Mothilal street, (opp.Ranganthan Street) T.Nagar, Chennai-600017
3. Prayojan Mulak Hindi : Dr.Syed Rahmathullah, Poornima Prakashan, 4/7, Begum III street, Royapettah, Chennai-14
4. Anuvad Abhyas Part III Dakshin Hindi Prachar Sabha, T.Nagar ,Chennai -17

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| | | | | | | | |
|------------------------|---------------------------|------------------|-----------------|-----------|----------|--------------------|------------|
| Course /subject | Code | HBFR22002 | Semester | II | | | |
| Category | All UG Programs | | | C | L | T/S.L r | P/R |
| Course Title | French II (THEORY) | | | 3 | 3 | 0/0 | 0/0 |

L : Lecture T : Tutorial SLr : Supervised Learning P: Project R : Research C : Credits
 Ty/Lb/ETL : Theory / Lab / Embedded Theory and Lab

OBJECTIVES

- .. Students will be able to understand the familiar words and expressions when someone talks slowly and distinctly.
- . The students will be able to reads; he/she will be able to understand the posters, advertisements or catalogues.
- . The students will be able to communicate and ask and reply to simple questions on familiar subjects
- . The students will be able to use expressions and write simple sentences without faults to describe their living spaces

| FRENCH-II(THEORY) LANGUAGE-II HBFR22002 | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| COURSE OUTCOMES | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
| COURSE OUTCOME 1 | 3 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 3 |
| COURSE OUTCOME 2 | 2 | 2 | 2 | 2 | 1 | 1 | 3 | 2 | 3 |
| COURSE OUTCOME 3 | 2 | 3 | 2 | 3 | 1 | 1 | 2 | 2 | 3 |
| COURSE OUTCOME 4 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |
| COURSE OUTCOME 5 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 3 |
| COURSE OUTCOME 6 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 3 |
| COURSE OUTCOME 7 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 3 |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

MAPPING OF COs WITH POs

| Category | Program Core | Program Elective | Humanities and Social Science | Open Elective | Skill Enhancing Elective | Inter Disciplinary/ Allied | Skill Component | Practical / Project / Internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|----------------------------|-----------------|----------------------------------|--------|
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FRENCH– II (THEORY)

Language-II

45 hrs.

UNIT I

9hrs

Compétences communicatives, phonologiques, linguistiques, grammaticales et culturelles

- Se saluer, prendre congé, se présenter quelqu'un/quelque chose, Salutations, présentatifs, détails d'identité, professions, quartiers
- Genres, nombres, articles, présentatifs, pluriels des noms, c'est/il est, pronoms toniques
- Salutations française, comportement des salutations, les quartiers parisiens, le peintre Monet
- **Clip audios** : Exercices orales, compositions orales et épreuves orales. (20 –durée moins de 2 minutes)
- **Audio clips-** For oral expressions, oral assignments and oral test-20- duration less than 2 minutes (10 oral exercises, 6 audio reading compositions and 4 tests).

UNIT II

9hrs

Compétences communicatives, phonologiques, linguistiques, grammaticales et culturelles

- Dialogue de la vie d'étudiant, des liens familiaux, de l'appartenance, des habitudes ; poème, le son « eu » énonces à répéter, lecture guidée.
- S'exprimer de la fréquence, des habitudes, articles, présent de l'indicatif, verbes à la terminaison – er, adjectifs possessifs et qualificatifs, locutions avec « avoir »
- Demander l'heure, Les jours, Les mois de l'année.
- **Clip audios** : Exercices orales, compositions orales et épreuves orales. (20 –durée moins de 2 minutes)
- **Audio clips-** For oral exercises, oral assignments and oral test-20 duration less than 2 minutes (10 oral exercises ,6 audio reading compositions and 4 tests).

UNIT III

9hrs

Compétences communicatives, phonologiques, linguistiques, grammaticales et culturelles

- Parler des voyages, identifier les vêtements, ne caractériser de personnes, faire des exclamations, s'informer sur la vie d'étudiant français.
- Poème, le « son i », décrire des personnes, prononcer le nom des pays et des nationalités, appréciation/exclamation
- Transport et voyages, les pays, nationalités, la mode, la partie du corps, Adjectifs de nationalités et genres, adjectifs réguliers/irréguliers, prépositions de lieux, verbes aller- venir et verbes à la terminaison –ir
- L'aéroport de Roissy, à la douane, les vêtements, à mode à Paris, quelques professions, le sport et la santé ; à Joconde, la BD,
- **Clip audios** : Exercices orales, compositions orales et épreuves orales. (20 –durée moins de 2 minutes)
- **Audio clips-** For oral expressions, oral assignments and oral test-20-duration less than 2 minutes (10 oral exercises ,6 audio Reading compositions and 4 tests)

UNIT IV

9hrs

Compétences communicatives, phonologiques, linguistiques, grammaticales et culturelles

- Communication au restaurant, des recettes, le goût et les préférences identifier le type des restaurants.
- Poème, le son « o » énonces simples, des sons nasaux, exercices de répétition
- Les repas français recette activités et sportives

➤ **Clip audios** : Exercices orales, compositions orales et épreuves orales. (20 –durée moins de 2 minutes)

➤ **Audio clips-** For oral expressions, oral assignments and oral test-20 duration less than 2 minutes (10 oral exercises ,6 audio reading

UNIT V

9hrs

Compétences communicatives, phonologiques, linguistiques, grammaticales et culturelles

- Planifier des vacances, parler des concours, du sport, du temps qu'il fait, s'exprimer au comparatif
- Poème le son « yu », répétition d'énonces, lire de noms de quelques villes
- Activités de vacances, mots de localisation, plan de Paris, le climat et l'écologie, un concours international, les saisons
- Adjectifs de couleur, nombres ordinaux, quelques verbes irréguliers,
- 3 temps autour du présent « de » et « a » et des verbes. Différentes formes du négatif, « il fait » le comparatif le superlatif absolu
- Auberges de jeunesse, vacance, plan de Paris arrondissements quelques monuments parisiens, tourisme fluvial français

➤ **Clip audios** : Exercices orales, compositions orales et épreuves orales. (20 –durée moins de 2 minutes)

➤ **Audio clips-** For oral expressions, oral assignments and oral test-20 duration less than 2 minutes (10 oral exercices ,6 audio Reading compositions and 4 tests).

Reference Books :

- 1. Parlez-vous français ? Partie 1** - Dr.M. Chandrika. Unni and Mrs. Meena Mathews 2019 by Universal publisher
- 2. CLE INTERNATIONAL** Lectures Clé en français facile. (2012) Hachette Paris
- 3. Cosmopolite** : Livre de eleve A1 by Nathalie Hirsch sprung, Tony Tricot, Claude Le Ninan
- 4. Latitudes-1** by Régine Mérieux and Yves l'oiseau, Didier 2017
- 5. Alter Ego 1** - Catherine Dolez, Sylvie Pons : (2014) Hachette, Paris

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| | | | | | | |
|------------------|---|----------|----------|--------------|------------|-------------------------------|
| HBEN22002 | LANGUAGE II - ENGLISH II (Common to all UG Courses under H&S) | C | L | T/SLr | P/R | Ty/Lb/ ETP/ IE |
| | Total contact hours – 45 | 3 | 3 | 0/0 | 0/0 | Ty |
| | Prerequisite – English Language | | | | | |
| | T/L/:Theory/LabL:LectureT:TutorialP:Practical/ProjectR:ResearchC:Credits | | | | | |

Course Objectives

1. Develop four language skills appropriate to the level of education.
2. Demonstrate knowledge of vocabulary and sentence construction in appropriate contexts.
3. Express diverse forms of knowledge in different social and cultural contexts.
4. Attain a comprehensive knowledge of communication skills to use ethically.
5. Develop organized academic and business writing for professional careers.

Course Outcomes (COs)

1. Develop four language skills appropriate to the level of education.
2. Demonstrate knowledge of vocabulary and sentence construction in appropriate contexts.
3. Express diverse forms of knowledge in different social and cultural contexts.
4. Attain a comprehensive knowledge of communication skills to use ethically.
5. Develop organized academic and business writing for professional careers.

Program Specific Outcomes (PSOs)

- Demonstrating mastery of the components of English language and literature.
- Explaining through literature in English, diverse historical cultural and social ethics
- Applying literary critical perspectives to generate original analysis of literature in English
- Promoting cultural values and real-life skills through English language and Literature

Mapping of course outcomes (COs) with Program Outcomes (POs)& Program Specific Outcomes

(3/2/1 indicates the strength of correlation) 3= High; 2= Medium; 1= Low

| CO | PO 1 | PO 2 | PO3 | PO 4 | PO 5 | PO6 | PO7 | P O 8 | PO 9 | PS O 1 | PSO2 | PSO3 | PSO4 |
|----------|------|--------------|------------------|---------------|-----------------------|-----------------|-------|-----------|---------|------------|--------|------|------|
| 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 |
| 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 |
| 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 |
| 5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 |
| Category | H&S | Program core | Program Elective | Open Elective | Interdisc iniplinary/ | Skill enhancing | Skill | Practical | Project | Internship | Others | | |
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|--|---|----------|----------|--------------|------------|--|
| Course Code HBEN22002 | Semester II | C | L | T/SLr | P/R | |
| | ENGLISH II (Common to all UG H&S Courses) | 3 | 3 | 0/0 | 0/0 | |
| T/L/:Theory/LabL:LectureT:TutorialP:Practical/ProjectR:ResearchC:Credits | | | | | | |

Course Objective

1. Develop four language skills appropriate to the level of education.
2. Demonstrate knowledge of vocabulary and sentence construction in appropriate contexts.
3. Express diverse forms of knowledge in different social and cultural contexts.
4. Attain a comprehensive knowledge of communication skills to use ethically.
5. Develop organized academic and business writing for professional careers.

Unit I: 9 Hours

1. All the World's a Stage – William Shakespeare
2. Speech of Barack Obama
3. The Verger- Somerset Maugham

Unit II: 9 Hours

1. Spider and the Fly - Mary Howitt
2. “They thought that a bullet would silence us, but they failed”. - Malala Yousafzai
3. Refund – Fritz Karinthy

Unit III: 9 Hours

1. Night of the Scorpion-Nissim Ezekiel
2. On Running after one's hat- G.K.Chesterton
3. The Last Leaf – O. Henry

Unit IV: 9 Hours

1. Polonius Advice to Laertes-William Shakespeare
2. ‘We Must Continue to Dream Big’: An open letter from Serena Williams
3. The Necklace - Guy de Maupassant

Unit V: 9 Hours

1. Functional English: Letter Writing (Formal, Informal, Email)
2. Resume
3. Précis
4. Reading Comprehension

Developing the hints

Course Outcome: On completion of the course, the students will be able to

1. Develop four language skills appropriate to the level of education.
2. Demonstrate knowledge of vocabulary and sentence construction in appropriate contexts.
3. Express diverse forms of knowledge in different social and cultural contexts.
4. Attain a comprehensive knowledge of communication skills to use ethically.
5. Develop organized academic and business writing for professional careers.

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Prescribed Text:

- ‘Greatest Speeches of the Modern World’, Rupa Publications India, 2018.
- Woudhuysen H.R. ‘The Arden Shakespeare third series’, the Arden Shakespeare Publishers, 2020.
- Karinthy. Fritz, ‘Refund: A Play in One Act’, French. Samuel, 1938.
- Simpson H. C & Wilson E. H, ‘A Senior Anthology of Poetry’, Macmillan Education, 1952.
- O’Brien. Terry, ‘50 Greatest Short Stories’, Rupa Publications India; First Edition, 2015.
- J. C. Richards with J. Hull & S.Proctor, Interchange, Level 3, Cambridge University Press, 2021.
- Mark Hancock, English Pronunciation in Use, CUP, 2016.
- M. Chandrasena Rajeswaran & R. Pushkala, Communication Lab Work book 2022.
- M. Chandrasena Rajeswaran, R. Pushkala & S. Bhuvaneshwari Pinnacle: A Skills Integrated Text, 2022
- Dutt, K, Rajeevan, G & Prakash, , *A Course on Communication Skills*, 1st edn, CUP, Chennai, 2008

Suggested Links:

- <https://www.poetrybyheart.org.uk/poems/the-spider-and-the-fly/Reference>.
- <https://poets.org/poem/unknown-citizen>

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|-----------------------------------|---|----------|----------|--------------------------|-----------------------|---|
| Subject Code: HBCH22ID6 | Subject: ALLIED-II CHEMISTRY -II | C | L | T/S.L r | P/ R | Ty/Lb/ ETP/I E |
| | Prerequisite: Basic Science | 3 | 3 | 0/0 | 0/0 | Ty |

L: Lecture T: Tutorial P: Practical C: Credits

OBJECTIVES

- To understand the basic ideas of dyes, pigments, colors.
- To Emphasize the different types of dyes and their characteristics.
- To learn the various fastness properties of the dyes.
- To know the basic ideas of different types of water treatment.
- To understand the basic ideas of classification and methods of application to various textile fibers

COURSE OUTCOMES (CO's)

Students completing this course were able to

| | |
|------------|---|
| CO1 | Gains Knowledge about the different types of dyes, pigments, colors and their classification |
| CO2 | Acquires knowledge on different types of dyes, their properties, chemical structure, classification and methods of application. |
| CO3 | Learns the basic idea of various fastness properties of the dyes. |
| CO4 | Acquires knowledge on different types of water treatments to remove the hardness. |
| CO5 | Gains Knowledge about azoic dyes. |

Mapping of Course Outcome with Program Outcome (PO's)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| CO1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 |
| CO2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 3 |
| CO3 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| CO4 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 |
| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 | PSO-5 | PSO-6 | PSO-7 | PSO-8 | PSO-9 |
| CO1 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| CO2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 |
| CO3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 2 |
| CO4 | 2 | 2 | 3 | 1 | 2 | 3 | 2 | 3 | 3 |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|-----------------|---------------------|-------------------------|--------------------------------------|----------------------|---------------------------------|----------------------------------|------------------------|--------------------------------------|---------------|
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|------------------|--------------------------------|----------|----------|---------------|------------|
| HBCH22ID6 | ALLIED-II CHEMISTRY -II | C | L | T/S.Lr | P/R |
| | | 3 | 3 | 0 | 0 |

OBJECTIVES

- To identify the Processing methods dyeing and Knowing their Importance in clothing
- To learn about color fastness and its treatment
- To understand the knowledge of Dyeing and its Classification
- To learn about the usage of water in Industry.
- To gain Knowledge about chemical dyes and its application.

UNIT -1: I NTRODUCTION TO DYEING

9hrs

Brief history of ancient dyeing of textiles with natural colors. Definition of dye, color and pigment. classification of dyes according to the methods of their application to textile fibers. General mechanism of dyeing textile fibers.

UNIT- 2: CLASSIFICATION OF DYES

9 hrs

Direct dyes, Sulphur dyes, basic dyes, acid dyes, metal complex dyes, mordant dyes and natural mordant dyes – their properties, chemical structure, classification and methods of application to various natural textile fibers, correction and stripping, etc.

UNIT- 3: FASTNESSPROPERTIES

9 hrs

Introduction to the various fastness properties of the dyes and their remedies. After treatments to improve the various fastness characteristics of individual dyes.

UNIT- 4: WATER MANAGEMENT

9 hrs

Water for Industry: Disadvantages of hard water (Domestic and Industrial); Lime soda Process for removal of hardness of water; Zeolite method for removal of hardness of water; Ion exchange method for removal of hardness of water.

UNIT- 5: CHEMICAL DYES

9hrs

Azoic dyes, oxidation colors, metallic pigments like mineral khakhi, vat dye and solubilized vat dye – their properties, chemical structure, classification and methods of application to various textile fibers, correction and stripping, etc.

TOTAL: 45HRS

REFERENCE BOOKS:

1. Technology of Textile Processing Vol: Chemistry of Dyes and Principles of Dyeing: Prof.V. A. Shenai
2. Technology of Textile Processing Vol. 6: Technology of Dyeing: Prof. V. A. Shenai
3. Chemical Technology of Fibrous material: F. Sadov
4. Dyeing and Chemical Technology of Textile fibers: E. R. Trotman
5. Handbook of Textiles and Industrial Dyeing: Edited by M. Clark

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|-----------------------------------|---|----------|----------|--------------------|------------|------------------------------|
| Subject Code: HBFD22002 | Subject Name: INTRODUCTION TO TEXTILES | C | L | T/S.L r | P/R | Ty/Lb/ ETP/ E |
| | Prerequisite: Nil | 4 | 3 | 1/0 | 0/0 | Ty |

L: Lecture T: Tutorial P: Practical C: Credits

OBJECTIVES

- To familiar about the Textile Fibers and its Classification.
- To compare specific properties of Fibers.
- To understand the Sequence process of Spinning.
- To know the details of Looms and Weaving Operations.
- To study about the Non-Woven and its formation Process

COURSE OUTCOMES (COs)

Students completing this course were able to

| | |
|------------|--|
| CO1 | Understand the knowledge of fibers and its Classification. |
| CO2 | Apply knowledge to differentiate the types of fiber. |
| CO3 | Learn the Method of Fiber and Yarn Making technique. |
| CO4 | Study about the various operations in the Loom. |
| CO5 | Familiarize about the Non-Woven and its Formation Process. |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 3 |
| CO2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 2 |
| CO3 | 3 | 2 | 1 | 3 | 3 | 2 | 3 | 3 | 3 |
| CO4 | 2 | 3 | 3 | 2 | 3 | 3 | 1 | 2 | 3 |
| CO5 | 3 | 1 | 3 | 3 | 1 | 2 | 3 | 3 | 2 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 | | |
|------------|-------|-------|-------|-------|--|--|
| CO1 | 3 | 3 | 2 | 3 | | |
| CO2 | 2 | 3 | 3 | 2 | | |
| CO3 | 3 | 2 | 3 | 3 | | |
| CO4 | 3 | 3 | 2 | 2 | | |
| CO5 | 2 | 3 | 3 | 3 | | |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|---------------------------|-----------------|-------------------------------|--------|
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|------------------|---------------------------------|----------|----------|---------------|------------|
| HBFD22002 | INTRODUCTION TO TEXTILES | C | L | T/S.Lr | P/R |
| | | 4 | 3 | 1 | 0 |

OBJECTIVES

- To familiar about the Textile Fibers and its Classification.
- To compare specific properties of Fibers.
- To understand the Sequence process of Spinning.
- To know the details of Looms and Weaving Operations.
- To study about the Non-Woven and its formation Process.

UNIT – I: TEXTILE FIBERS

12 hrs

Flow Chart from Fiber to Finished Fabric - Introduction to textile fibers – definition, classification of fibers, manufacturing process, physical and chemical properties and end uses of natural fibers – cotton, linen, wool, silk and jute- Polyester and nylon.

UNIT -II: SPINNING

12 hrs

Spinning methods, Sequence of spinning process – objects and working principles of blow room, carding, draw frame and comber – objects and working principles of Simplex and Ring Frame. Yarn – definition, classification, simple, fancy yarn and sewing threads, manufacturing process of yarn.

UNIT -III: WEAVING

12 hrs

Introduction to weaving- Parts of a Basic Loom – Shuttle, Heddle, Reed, Warp beam and Cloth Beam. Basic Weaving operation – Shedding, Picking, Beating, taking in and letting off. Types of Looms – Handloom, Power loom, rapier and Jacquard loom. Basic Weaves – Plain Weave, Basket Weave, Rib, Twill, Satin and Sateen. Complex and Fancy weaves – Swivel, Lappet, Leno, Double Cloth, Pile and Jacquard.

UNIT- IV: KNITTING

12 hrs

Introduction - Difference Between Woven and Knitted Fabrics. Types of Knitting Machines; Circular and Flat Machines. General Knitting Terms- Wales, Courses, Face and Back, Knitting Needles, Cut and Gauge. Knit Stitch, Purl Stitch, Miss Stitch and Tuck stitch. Fabrics: Single Jersey, Double Jersey, Interlock, rib.

UNIT- V: NON-WOVEN

12hrs

Introduction - Classification of Non-Woven Fabric - Different Formation – Properties of Non-Woven: Non-Woven Fabrics: Methods and Materials to Manufacture Non-Woven Fabrics, Bonded Fabrics; Foam Laminated Fabrics; Felt fabrics.

TOTAL:60 HRS

REFERENCE BOOKS:

1. Garment Technology for Fashion Designers, Cooklins, Hayes, Ms. Laughlin and
2. Fairclough, Wiley India, 2012
3. Fibre to Fabric, Bernard P Corbman, Tata McGraw - Hill Education, 2003
4. Textiles, Sara J. Kadolph, Pearson publication, 2009
5. Textiles – Fiber to Fabric by Bernard P. Corbman McGraw Hill.

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|-----------------------------------|---|----------|----------|--------------------------|-----------------------|---|
| Subject Code: HBFD22003 | Subject Name: FUNDAMENTALS OF CLOTHING | C | L | T/S.L r | P/ R | Ty/Lb/ ETP/I E |
| | Prerequisite : Nil | 4 | 3 | 1/0 | 0/0 | Ty |

L : Lecture T : Tutorial P: Practical C: Credits

OBJECTIVES

- To familiarize students with tools and Sewing Machine.
- To learn about the basic hand stitches and its application.
- To understand about the applications of Seams and Seam Finishes.
- To gain the Knowledge about the Fullness and Plackets.
- To familiarize Students with the placements of Fasteners.

COURSE OUTCOMES (COs)

Students completing this course were able to

| | |
|------------|--|
| CO1 | Familiarize students with tools and Sewing Machine. |
| CO2 | Learn about the basic hand stitches and its application. |
| CO3 | Understand about the applications of Seams and Seam Finishes. |
| CO4 | Gain the Knowledge about the Fullness and Plackets. |
| CO5 | Familiarize Students with the Types and placements of Fasteners. |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| CO1 | 3 | 3 | 2 | 1 | 2 | 3 | 3 | 3 | 2 |
| CO2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 3 |
| CO3 | 3 | 2 | 3 | 2 | 3 | 1 | 3 | 1 | 2 |
| CO4 | 2 | 3 | 2 | 3 | 2 | 1 | 3 | 2 | 3 |
| CO5 | 3 | 2 | 2 | 3 | 1 | 3 | 2 | 3 | 1 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 | | |
|------------------|--------------|--------------|--------------|--------------|--|--|
| CO1 | 2 | 3 | 3 | 3 | | |
| CO2 | 3 | 3 | 2 | 2 | | |
| CO3 | 2 | 2 | 3 | 3 | | |
| CO4 | 3 | 3 | 2 | 3 | | |
| CO5 | 3 | 3 | 3 | 3 | | |

3/2/1 Indicates Strength Of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|-----------------|---------------------|-------------------------|--------------------------------------|----------------------|---------------------------------|----------------------------------|------------------------|--------------------------------------|---------------|
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|------------------|---------------------------------|----------|----------|---------------|------------|
| HBFD22003 | FUNDAMENTALS OF CLOTHING | C | L | T/S.Lr | P/R |
| | | 4 | 3 | 1 | 0 |

OBJECTIVES

- To familiarize students with tools and Sewing Machine.
- To learn about the basic hand stitches and its application.
- To understand about the applications of Seams and Seam Finishes.
- To gain the Knowledge about the Fullness and Plackets.
- To familiarize Students with the placements of Fasteners

UNIT- I: BASIC TOOLS, CARE AND USES OF SEWING MACHINE 12hrs

Cutting Tools, Measuring Tools, Marking Tools, General Tools, Pressing Tools. Parts of the Machine, Operating the Machine, Winding the Bobbin, Stitching Along Lines. Selection of Thread and Needle, Threading the Machine, sewing on Fabric, Fastening Thread Ends. Adjustments: Tension, Stitch Length, Pressure. Needle Changing, Care of the Machine, Machine Troubles and Their Causes.

UNIT-II: BASIC HAND STITCHES AND HEMS 12 hrs

Even Basting, Uneven Basting, Diagonal Basting and Slip Basting, Running Stitch, Hemming, Slip Stitch, Back Stitch, Run and Back Stitch, Overcasting, Over Handling, Whipping. Preparing the Hems, Stitched and Turned Hem, Seam Binding Hem Finish, Catch Stitched Hem, Narrow Machine Stitched Hem, Rolled or Whipped Hem, Shell Edged Hem, Hem for Circular and Flared Skirts.

UNIT-III: SEAMS AND SEAM FINISHES 12 hrs

Plain Seam, Top Stitched Seam, Welt Seam, Lapped Seam, Slot Seam, Flat Fell Seam, French Seam, Piped Seam. Pinked Finish, Edge Stitched Finish, Double Stitch Finish, Overcasting Finish, Herringbone Stitch, Bound Seam Edge Finish. Hints on Stitching and Finishing Seams.

UNIT -IV: INTRODUCING FULLNESS, FINISHES AND PLACKETS 12 hrs

Darts, Tucks, Pleats, Gathers and Shirrs, Frills or Ruffles, Flounces. Preparation and Uses of True Bias, Types of Facings and Types of Bindings. Neckline Finishes, Facing, Binding and Collars, Continuous Bound Placket, Bound and Faced Placket, Zipper Placket, Tailored Placket.

UNIT- V: FASTENERS 12 hrs

Position and Length of the Buttonhole, Types of Buttonholes, Steps and Constructing Worked Buttonhole and Fabric or Bound Buttonhole. Button Loops, Thread Loops, Cloth or Fabric Loops, Corded Loops, Corded Frogs. Button with Holes, Shank Buttons, Press Buttons, Hooks and Eye, Eyelets and Cord

TOTAL:60 HRS

REFERENCE BOOKS:

1. Practical clothing Construction Part I – Mary Mathews.
2. Pattern making for fashion design – Helen Joseph Armstrong.
3. Dress fitting – Bray Natalie.

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| | | | | | | |
|-----------------------------------|---|----------|----------|--------------------------|-----------------------|---|
| Subject Code: HBFD22L02 | Subject Name: FASHION ILLUSTRATION LAB | C | L | T/S.L r | P/ R | Ty/Lb/ ETP/I E |
| | Prerequisite : Nil | 2 | 0 | 0/0 | 3/0 | Lb |

L : Lecture T : Tutorial P: Practical C: Credits

OBJECTIVES

- To introduce basic sketching techniques.
- To introduce Students to Aspects of human anatomy and importance of fashion illustration.
- To learn to draw a fashion croqui with proportion and body movement.
- To learn various poses required for fashion illustration.
- To practice various mediums for sketching and rendering a garment..

COURSE OUTCOMES (COs)

Students completing this course were able to

| | |
|------------|---|
| CO1 | Gain the hands – on experience on fashion figure drawing. |
| CO2 | Give the practical experience in sketching human anatomy. |
| CO3 | Understand the knowledge of facial features in drawing. |
| CO4 | Learn various poses required for fashion illustration. |
| CO5 | Create the ability and express their ideas through sketching. |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| CO1 | 3 | 2 | 3 | 2 | 3 | 3 | 1 | 2 | 3 |
| CO2 | 2 | 3 | 2 | 3 | 2 | 2 | 3 | 3 | 2 |
| CO3 | 3 | 3 | 2 | 1 | 3 | 3 | 2 | 3 | 3 |
| CO4 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 2 |
| CO5 | 3 | 3 | 1 | 2 | 2 | 2 | 2 | 3 | 3 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 |
|------------------|--------------|--------------|--------------|--------------|
| CO1 | 3 | 3 | 3 | 3 |
| CO2 | 2 | 3 | 2 | 3 |
| CO3 | 3 | 2 | 3 | 2 |
| CO4 | 2 | 3 | 3 | 3 |
| CO5 | 3 | 3 | 3 | 3 |

3/2/1 Indicates Strength Of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|-----------------|---------------------|-------------------------|--------------------------------------|----------------------|---------------------------------|----------------------------------|------------------------|--------------------------------------|---------------|
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|------------------|---------------------------------|----------|----------|---------------|------------|
| HBFD22L02 | FASHION ILLUSTRATION LAB | C | L | T/S.Lr | P/R |
| | | 2 | 0 | 0 | 3 |

LIST OF EXPERIMENTS:

1. Stick Figures
2. Robotic Figures
- 3.8 Head
- 4.10 Head
- 5.12 Head
- 6.Fleshing of Figures
- 7.Female Croqui
8. Male Croqui
- 9.Kid's Croqui
10. ¾ Pose, Side Pose and Back Poses
11. Rendering with acrylic Colors, Watercolors, Staedler Pencil, Pastels.
- 12.Photo Analysis
- 13.Face with Features

TOTAL: 45 HRS

REFERENCE BOOKS:

1. Illustrations in Vogue.
2. Fashion Illustration- Colin Barnes.
3. Portfolio Presentation for Fashion Designers- Linda Tain, Fair Child Books.
4. Foundation in Fashion Design and Illustration- Julian Seaman, Batsford B.T. Ltd.
5. Fashion Rendering with Color- Bina Abling.

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| | | | | | | |
|-----------------------------------|---|----------|----------|--------------------|-----------------|-------------------------------|
| Subject Code: HBFD22L03 | Subject Name: FUNDAMENTALS OF CLOTHING LAB | C | L | T/S.L r | P/ R | Ty/Lb/ ETP/I E |
| | Prerequisite: Nil | 2 | 0 | 0/0 | 3/0 | Lb |

L: Lecture T : Tutorial P: Practical C: Credits

OBJECTIVES

- To acquire basic skills of operating sewing machines.
- To understand basic sewing techniques.
- To understand about the applications of Seams and Seam Finishes.
- To gain the Knowledge about the Fullness and Plackets.
- To familiarize Students with the placements of Fasteners.

COURSE OUTCOMES (COs)

Students completing this course were able to

| | |
|------------|--|
| CO1 | Familiarize students with tools and Sewing Machine. |
| CO2 | Learn about the basic hand stitches and its application. |
| CO3 | Understand about the applications of Seams and Seam Finishes. |
| CO4 | Gain the practical knowledge in garment detailing. |
| CO5 | Understand the mechanism and applications involved in garment designing. |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| CO1 | 1 | 2 | 1 | 2 | 3 | 2 | 3 | 3 | 1 |
| CO2 | 3 | 3 | 2 | 3 | 3 | 3 | 2 | 2 | 3 |
| CO3 | 2 | 1 | 3 | 3 | 2 | 2 | 3 | 3 | 3 |
| CO4 | 3 | 3 | 2 | 1 | 3 | 3 | 2 | 3 | 2 |
| CO5 | 2 | 3 | 3 | 3 | 3 | 3 | 1 | 2 | 3 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 |
|------------------|--------------|--------------|--------------|--------------|
| CO1 | 3 | 3 | 2 | 2 |
| CO2 | 2 | 2 | 3 | 3 |
| CO3 | 2 | 3 | 3 | 2 |
| CO4 | 3 | 3 | 2 | 3 |
| CO5 | 3 | 2 | 3 | 3 |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|-----------------|---------------------|-------------------------|--------------------------------------|----------------------|---------------------------------|----------------------------------|------------------------|--------------------------------------|---------------|
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|------------------|---|----------|----------|---------------|------------|
| HBFD22L03 | FUNDAMENTALS OF CLOTHING LAB | C | L | T/S.Lr | P/R |
| | | 2 | 0 | 0 | 3 |

LIST OF EXPERIMENTS:

1. Sewing Machine Practice.
2. Paper Pattern Sewing.
3. Seam and Seam Finishes – Plain, Single Top, Double Top, Welt, French, Lapped, Flat Felt and Piped Seam.
4. Types of Pleats – Knife, Box, Inverted Box
5. Types of Tucks- Pin, Space, Piped / Corded, Shell / Scalloped, Group, Cross Tuck.
6. Types Gathers – Hand and Machine.
7. Frills or Ruffles- Single Ruffle and Double Ruffle.
8. Types of Plackets – Self Shirt, Extended and Kurta Opening.
9. Zip Finishing – Visible and Invisible.
10. Types of Pockets – Patch, Welt and Pocket with Flap.

TOTAL: 45 HRS

REFERENCE BOOKS:

1. Practical clothing Construction Part -I Mary Mathews.
2. The Sewing Book –Alison Smith.
3. Teach Yourself Visually Sewing -Debbie Colgrove.
4. Dress fitting – Bray Natalie.

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|----------------------------------|--|--|--|--|--|----------|------------|--------------------------|-----------------------|---|
| Subject code HBCC22I03 | SOFT SKILL II (B.A/BBA/BCOM/BSW Programs) | | | | | C | L | T/S .Lr | P/ R | Ty/Lb /ETP/I E |
| | Total contact hours – 15 | | | | | 1 | 0/0 | 0/0 | 2 | IE |
| | Prerequisite – UG I year English | | | | | | | | | |
| | Course designed by – Department of English | | | | | | | | | |

Objectives:

1. Cultivate employability skills that they get employed even before they leave the university.
2. Build self-esteem and a sense of self-worth to be good team members
3. Cultivate empathy to think from others 'point of view to be good team leaders.
4. Evolve as good global citizens with insights into social and professional ethics.
5. Develop lifelong learning skills to adapt in the multicultural context of workplaces.

Course Outcomes (COs)

| | |
|-----|---|
| 001 | Cultivate employability skills that they get employed even before they leave the university |
| 002 | Build self-esteem and a sense of self-worth to be good team members |
| 003 | Cultivate empathy to think from others 'point of view to be good team leaders. |
| 004 | Evolve as good global citizens with insights into social and professional ethics |
| 005 | Develop lifelong learning skills to adapt in the multicultural context of workplaces. |

Program Specific Objectives

| | |
|------|--|
| PSO1 | Understanding of the basic concepts of English language and literature. |
| PSO2 | Learning through literature in English, diverse historical cultural and social ethics |
| PSO3 | Application of literary critical perspectives to generate original analysis of literature in English |
| PSO4 | Promotion of cultural values and real-life skills through English language and literature |

Mapping of course outcomes (COs) with Program Outcomes (POs)

(H/M/L indicates the strength of correlation) H= High; M= Medium; L= Low

| COs | POs | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | 3 | 3 | 3 | 1 | 2 | 2 | 1 | 2 | 3 |
| 2 | 3 | 3 | 3 | 1 | 2 | 2 | 1 | 2 | 3 |
| 3 | 3 | 3 | 3 | 1 | 2 | 2 | 1 | 2 | 3 |
| 4 | 3 | 3 | 3 | 3 | 3 | 2 | 1 | 2 | 3 |
| 5 | 3 | 3 | 3 | 3 | 3 | 2 | 1 | 2 | 3 |

Mapping of course outcomes (COs) with program Specific outcomes (PSOs)

| COs | PSO1 | PSO2 | PSO3 | PSO4 |
|-----|------|------|------|------|
| CO1 | 3 | 2 | 2 | 2 |
| CO2 | 2 | 2 | 2 | 2 |
| CO3 | 3 | 2 | 2 | 2 |
| CO4 | 3 | 2 | 2 | 2 |
| CO5 | 3 | 2 | 2 | 2 |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program Elective | Humanities and Social Science | Open Elective | Skill Enhancing Elective | Interdisciplinary | Skill Component | Practical / Project / Internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|-------------------|-----------------|----------------------------------|--------|
| | | | | | | | √ | | |

SOFT SKILL II
HBCC22I03

(COMMON TO ALL UG DEGREE PROGRAMS)

Prefatory Note

This paper aims to equip the advanced learners with skills essential for work place and global environment to which they will move on from the university, once they complete the course. As such, it covers a range of indispensable soft skills and values such as, self-esteem, empathy, public relations, positivity, reliability, professionalism, leadership and intercultural communication, interview skills, etc.. Together with the effective English communication in global contexts, these skills, if cultivated and strengthened, can immensely help the students become employable in the multinational companies as good global citizens abiding the social and professional ethics in cross-cultural diversity.

Course Objective

The students will be facilitated to

1. Cultivate employability skills that they get employed even before they leave the university.
2. Build self-esteem and a sense of self-worth to be good team members
3. Cultivate empathy to think from others' point of view to be good team leaders.
4. Evolve as good global citizens with insights into social and professional ethics.

Develop lifelong learning skills to adapt in the multicultural context of workplaces.

Unit -I

Conversational skills, Self-esteem skills, empathy, public relations

Unit -II

Positivity, reliability, professionalism

Unit-III

Leadership

Problem solving

Unit -IV

Intercultural communication skills

Global Manthra: Go local, Cultural sensitivity, Group behaviour

Cultural intelligence: Low and High context, e mail and inter cultural communication

Unit -V

Group discussion and Interview skills

Course Outcome

On completion of the course the students will

1. Cultivate employability skills that they get employed even before they leave the university.
2. Build self-esteem and a sense of self-worth to be good team members
3. Cultivate empathy to think from others' point of view to be good team leaders.
4. Evolve as good global citizens with insights into social and professional ethics.
5. Develop lifelong learning skills to adapt in the multicultural context of workplaces.

Suggested reading

1. S.P. Dhanavel, English and Soft Skills, Vol.2 Orient Blackswan Pvt. Ltd. 2010
2. P.D. Chaturvedi and M. Chaturvedi, Communication Skills, Pearson, 2012

TOTAL: 30 HRS

SEMESTER-III

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| | | | | | | |
|-----------------------------------|---|----------|----------|------------|------------|------------------------------|
| Subject Code: HBCS22ID3 | Subject Name: ALLIED III-COMPUTER SCIENCE-I | C | L | T/S .Lr | P/R | Ty/ Lb/ ET P/I E |
| | Prerequisite: Nil | 3 | 3 | 0/0 | 0/0 | Ty |

L : Lecture T : Tutorial SLr : Supervised Learning P: Project R : Research C : Credits Ty/Lb/ETL :
 Theory / Lab
 / Embedded Theory and Lab

OBJECTIVES

- To learn the basics of Computer Hardware and Software
- Understand the basics of Word
- Understand the functions of Excel
- To learn about presentation styles and creating PowerPoint presentations
- To learn about scanning techniques and PowerPoint presentation

COURSE OUTCOMES (COs)

Students completing this course were able to

| | |
|------------|---|
| CO1 | Deep understanding of basics of Hardware and Software |
| CO2 | Ability to learn about the functionalities of word |
| CO3 | Ability to learn about creating formulas and functions in Excel |
| CO4 | Creating PowerPoint presentations |
| CO5 | Understand the scanning techniques and working on MS Paint |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 1 | 3 | 3 | 3 | 1 | 1 | 1 | 2 |
| CO2 | 3 | 1 | 3 | 3 | 3 | 1 | 1 | 1 | 2 |
| CO3 | 3 | 1 | 3 | 3 | 3 | 1 | 1 | 1 | 2 |
| CO4 | 3 | 1 | 3 | 3 | 3 | 1 | 1 | 1 | 2 |
| CO5 | 3 | 1 | 3 | 3 | 3 | 1 | 1 | 1 | 2 |

| COs /PSOs | PSO1 | PSO2 | PSO3 |
|------------|------|------|------|
| CO1 | 3 | 3 | 3 |
| CO2 | 3 | 2 | 3 |
| CO3 | 3 | 3 | 3 |
| CO4 | 3 | 3 | 3 |
| CO5 | 2 | 3 | 2 |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program Elective | Humanities and Social Science | Open Elective | Skill Enhancing Elective | Inter Disciplinary/ Allied | Skill Component | Practical / Project / internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|----------------------------|-----------------|----------------------------------|--------|
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| | | | | | | |
|---|---|---|---|----------------|-----|------------------------------|
| Subject Code: HBCS22ID3 | Subject Name: ALLIED III-COMPUTER SCIENCE-I | C | L | T/ S. Lr | P/R | Ty/ Lb/ ET P/I E |
| | Prerequisite : Nil | | | | | 3 |
| L : Lecture T : Tutorial SLr : Supervised Learning P: Project R : Research C : Credits Ty/Lb/ETL : Theory / Lab / Embedded Theory and Lab | | | | | | |

UNIT 1 – Computer Orientation

9hrs

Introduction to Computer Hardware & Software: Parts of a computer, External Storage Device, RAM, ROM, System Software, Application Software, Creating, moving, renaming and deleting folders and files, Viewing storage devices and network connections. Introduction to the Internet: The role of Internet in design process flow, Internet Browsers, Internet Tools, Search Engines.

UNIT 2 – Microsoft Word

9hrs

Using templates to create new documents, Creating and editing text, formatting text, pages, and paragraphs, adding headers, footers, and page numbers, Applying styles and themes to documents, creating bulleted and numbered lists, Working with tables, macros, and building blocks, illustrating documents, Proofing, reviewing, and printing documents

UNIT – 3 : Microsoft Excel

9hrs

Working with the Excel interface, entering data, Formatting rows, columns, cells, and data, Working with alignment and text wrap, Creating formulas and functions, Finding and replacing data, Printing and sharing worksheets, Creating charts and PivotTables Inserting and deleting sheets

UNIT – 4 : Microsoft Presentation Software

9hrs

Understanding presentation and types of presentation Creating presentations from themes and templates, Using and editing slide masters Changing the layout or theme, adding pictures, objects, shapes, diagrams, and charts Working with bullet points, text boxes, and tables, Incorporating video, audio, and animation, Adding speaker notes and comments, Revising and Running a slideshow Reusing and sharing PowerPoint presentations

UNIT 5 - Scanning and Ms. Paint

9hrs

Scanning Techniques: Understanding pixels and resolution, Choosing scanning software, Resolution, color modes, scanning for print, for use on websites, converting images and documents to PDFs, Creating PDFs. Explore drawing skills: Working with selection tools, Brush tools, shapes, colors, text.

Total no. of periods: 45hrs

Text Books

1. Comdex Computer Course, Vikas Gupta, PM Publications, 2015
2. Mastering MS Office – 2000 by Tech Media

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|-----------------------------------|----------------------------------|---|---|--------|-----|--------------|
| Subject Code: HBFD22004 | Subject Name: FABRIC CARE | C | L | T/S.Lr | P/R | Ty/Lb/ETP/IE |
| | Prerequisite: Nil | 4 | 3 | 1/0 | 0/0 | Ty |

L : Lecture T : Tutorial P: Practical C: Credits

OBJECTIVES

- To identify the Importance of Clothing care.
- To impart the Knowledge of Laundry Process and Agents.
- To learn the details of machineries involved in fabric care process.
- To provide the knowledge about special laundry.
- To acquaint the importance of care label and stain removing.

COURSE OUTCOMES (COs)

Students completing this course were able to

| | |
|------------|---|
| CO1 | Understand the fundamental concept of fabric care. |
| CO2 | Learn about the different types of laundry agents and soaps. |
| CO3 | Learn the details about the laundry equipment involved in Apparel and Fashion sector. |
| CO4 | Familiarize with the special laundry and care. |
| CO5 | Analyze the Fabric Stain and its removing process. |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 3 | 2 | 3 | 2 | 2 | 3 | 3 | 2 |
| CO2 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 |
| CO3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 3 |
| CO4 | 2 | 3 | 3 | 3 | 3 | 1 | 2 | 3 | 3 |
| CO5 | 3 | 3 | 2 | 1 | 3 | 3 | 3 | 1 | 3 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 | | |
|------------|-------|-------|-------|-------|--|--|
| CO1 | 2 | 3 | 3 | 3 | | |
| CO2 | 3 | 3 | 2 | 3 | | |
| CO3 | 2 | 3 | 3 | 2 | | |
| CO4 | 3 | 2 | 3 | 3 | | |
| CO5 | 3 | 3 | 2 | 3 | | |

3/2/1 Indicates Strength Of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|---------------------------|-----------------|-------------------------------|--------|
| | √ | | | | | | | | |

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|------------------|--------------------|----------|----------|---------------|------------|
| HBFD22004 | FABRIC CARE | C | L | T/S.Lr | P/R |
| | | 4 | 3 | 1 | 0 |

OBJECTIVES

- To identify the Importance of Clothing care.
- To impart the Knowledge of Laundry Process and Agents.
- To learn the details of machineries involved in fabric care process.
- To provide the knowledge about special laundry.
- To acquaint the importance of care label and stain removing.

UNIT- I: WATER, SOAPS AND DETERGENTS

12hrs

Hard and Soft Water, Determination of Water Hardness, Methods of Softening Water. Zeolite or Base Exchange. Laundry Soaps – Manufacture of Soap (Hot Process, Cold Process), Composition of Soap, Types of Soap, Soap Less Detergents, Chemical Action, Detergent Manufacture, Advantages of Detergents, Difference Between Soap AND Detergents.

UNIT-II: STIFFENING AND BLEACHING AGENTS

12hrs

Stiffening Agents, Starch (Cold Water and Hot Water), Other Stiffening Agents, Preparation of Starch. Bleaching Agents - Types of Bleaching Agents - Oxidizing and Reducing Agents, Grease Removers, Grease Solvents - Grease Absorbents, Bran-French Chalk. Laundry Blues and Their Application.

UNIT- III: WASHING, DRYING AND IRONING EQUIPMENTS

12 hrs

Laundry Equipment for Storage, for Steeping and Washing – Wash Board, Suction Washer, Wash Boiler, Washing Machine. Drying Equipment: Outdoor and Indoor Types. Irons and Ironing Board – Types of Iron (Box, Flat, Automatic, Steam Iron). Ironing Board – Different Types.

UNIT- IV: LAUNDERING AND DRY CLEANING

12hrs

Principles of Washing Suction Washing, washing by Kneading and Squeezing, Washing by Machine - Process Details and Machine Details. Laundering of Different Fabrics – Cotton and Linen, Woolens, Colored Fabrics, Silks, Rayon and Nylon. Special Types of Laundry – Water Proof Coats, Silk Ties, Leather Goods, Furs, Plastics, Lace. Dry Cleaning – Using Absorbents, Using Grease Solvents. Dry-Cleaning- Definition and its Types.

UNIT-V: STAIN REMOVAL AND CARE LABELS

12 hrs

Stain Removal - Food Stains, Lead Pencil, Lipstick, Mildew, Nose Drops, Paint, Perfume, Perspiration, Tar, Turmeric and Kum-Kum- General Rules and Ways of Stain Removal. Care Labels – Washing, Bleaching, Drying, Ironing and Different Placements of Label in Garments.

TOTAL:60 Hrs

REFERENCE BOOKS:

1. Textiles Fabrics and Their Selection – Wingate I B, Allied publishers Ltd, Chennai.
2. Fundamentals of Textiles and Their Care- Susheela Dantyagi, Orient Longmann Ltd (1980).
3. Family Clothing – Tate of Glession, John Wiley AND Sons Inc., Illinois.
4. Household Textiles and Laundry Work – Durga Duelkar, Amla Ram AND Sons, Delhi.

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|-----------------------------------|--|---|---|--------|---------|----------------------|
| Subject Code: HBFD22005 | Subject Name: FASHION AND CLOTHING PSYCHOLOGY | C | L | T/S.Lr | P/ R | Ty/Lb/ ETP/I E |
| | Prerequisite : Nil | 3 | 3 | 0/0 | 0/0 | Ty |

L : Lecture T : Tutorial P: Practical C: Credits

OBJECTIVES

- To impart the knowledge of Terms related to Fashion Industry.
- To analyze the psychological needs of Fashion.
- To learn about the prominent Fashion Designers.
- To gain the knowledge of Wardrobe Planning and Designing.
- To acquire the knowledge of opportunities in Fashion Career

COURSE OUTCOMES (COs)

Students completing this course were able to

| | |
|------------|---|
| CO1 | Acquire the knowledge about Fashion Terminologies. |
| CO2 | Analyze the factors influencing in Fashion Changes and its need. |
| CO3 | Learn about the prominent Fashion Designers. |
| CO4 | Gain the Knowledge of Wardrobe Planning and Designing. |
| CO5 | Familiarize Students with the Career Opportunities in Fashion Industry. |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 2 | 1 | 3 | 1 | 3 | 2 | 2 | 3 |
| CO2 | 2 | 3 | 3 | 3 | 2 | 1 | 2 | 3 | 3 |
| CO3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 3 |
| CO4 | 3 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 3 |
| CO5 | 2 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 2 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 |
|------------|-------|-------|-------|-------|
| CO1 | 1 | 2 | 1 | 2 |
| CO2 | 2 | 3 | 3 | 3 |
| CO3 | 3 | 3 | 3 | 3 |
| CO4 | 3 | 3 | 3 | 3 |
| CO5 | 3 | 3 | 3 | 3 |

3/2/1 Indicates Strength Of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|---------------------------|-----------------|-------------------------------|--------|
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| | | | | | |
|------------------|--|----------|----------|---------------|------------|
| HBFD22005 | FASHION AND CLOTHING PSYCHOLOGY | C | L | T/S.Lr | P/R |
| | | 3 | 3 | 0 | 0 |

OBJECTIVES

- To impart the knowledge of Terms related to Fashion Industry.
- To analyze the psychological needs of Fashion.
- To learn about the prominent Fashion Designers.
- To gain the knowledge of Wardrobe Planning and Designing.
- To acquire the knowledge of opportunities in Fashion Career.

UNIT – I: FASHION TERMINOLOGY

9hrs

Fashion, Style, Fad, Classic and Collection, Haute Couture, Pre –A –Porter, Mass Market, Chic, Avant-Garde, Custom-Made, Couture, Couturier, Mannequin, Fashion- Show, Trend, Forecasting, Fashion Cycle, Fashion Director, Fashion Editor, Fashion Merchandising, Buying House.

UNIT – II: FASHION PSYCHOLOGY

9hrs

Factors influencing Fashion Changes-Psychological Needs of Fashion, Social, Technological, Economical, Political, Legal and Seasonal Influence. Role of Costume as a Status Symbol, Personality and Dress, Cultural value – fashion cycles, repetition of fashion.

UNIT – III: FASHION DESIGNERS

9hrs

Indian Designers-Rohit Khosla, Gitanjal Keshyap, Hemant Trivedi, J.J. Valaya, Ritu Kumar, Rohit Bal, Tarun Tahiliani, Sangeethe Chopra, Bhamini Subramaniam, Anju Modi, Ravi Bajaj, Ritu Beri. Manish Malhotra, Sabyasachi Mukherjee. International designers.

UNIT- IV: WARDROBE PLANNING

9hrs

For Different Age Groups – Infants, toddler, preschooler, teenager, adult, aged person. Fashion and Season, Designing Dresses for Different Occasions – Business Meetings, Parties/ Dinners, Evening Wear, Red Carpet, Wedding, Sports, Academic Wear for Different Category.

UNIT -V: CAREER OPPRTUNITIES

9 hrs

Career Opportunities-Introduction- career in fashion and apparel Industry-Different branch of Fashion Designer- Essential Requirement for the Role of Designer. - Fashion director, Fashion Stylist, Fashion Consultant,

TOTAL:45 HRS

REFERENCE BOOKS:

1. Elaine Stone, The Dynamics of Fashion, Fairchild Publications, New York, 2001.
2. Jenny Davis, A Complete Guide to Fashion Designing, 1st Edition, Abhishek Publication, Chandigarh, 2009.
3. Frings, Fashion from Concept to Consumer, 7th Edition, Dorling Kindersley Publishing Inc., India, 2008.
4. Man Meet Sodhia, History of Fashion, Kalyani Publishers, New Delhi, 2009.

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|-----------------------------------|-------------------------------------|---|---|--------|-----|--------------|
| Subject Code: HBFD22006 | Subject Name: WORLD COSTUMES | C | L | T/S.Lr | P/R | Ty/Lb/ETP/IE |
| | Prerequisite: Nil | 3 | 3 | 0/0 | 0/0 | Ty |

L : Lecture T : Tutorial P: Practical C: Credits

OBJECTIVES

- To identify the details of History of Costumes.
- To impart the knowledge of Eastern Countries.
- To understand about the different Textiles and Costumes used in European Country.
- To Provide the knowledge about the Indian Textiles and Costumes.
- To Learn about the development of Costumes.

COURSE OUTCOMES (COs)

Students completing this course were able to

| | |
|------------|--|
| CO1 | Identify the details of History of Costumes. |
| CO2 | Learn about the Costumes of Eastern Countries. |
| CO3 | Acquire the knowledge about the Textiles and Motifs used in European Costumes. |
| CO4 | Gain knowledge about the Indian Textiles and Costumes. |
| CO5 | Familiarize with the Development and Evolution of Costumes. |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 2 | 3 |
| CO2 | 2 | 2 | 2 | 3 | 2 | 3 | 1 | 3 | 1 |
| CO3 | 3 | 3 | 3 | 3 | 3 | 1 | 2 | 2 | 3 |
| CO4 | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 1 | 2 |
| CO5 | 3 | 1 | 3 | 3 | 3 | 2 | 3 | 3 | 3 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 |
|------------|-------|-------|-------|-------|
| CO1 | 3 | 2 | 3 | 3 |
| CO2 | 2 | 3 | 2 | 2 |
| CO3 | 3 | 3 | 3 | 3 |
| CO4 | 2 | 3 | 2 | 2 |
| CO5 | 3 | 2 | 3 | 3 |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|---------------------------|-----------------|-------------------------------|--------|
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|------------------|-----------------------|----------|----------|----------|----------|
| HBFD22006 | WORLD COSTUMES | C | L | T/S.Lr | P/R |
| | | 3 | 3 | 0 | 0 |

OBJECTIVES

- To identify the details of History of Costumes.
- To impart the knowledge of Eastern Countries.
- To understand about the different Textiles and Costumes used in European Country.
- To provide the knowledge about the Indian Textiles and Costumes.
- To learn about the development of Costumes

UNIT- I: BEGINNING OF COSTUMES

9 hrs

Body Decoration, Body Ornamentation, Dress for Protection, Invention of the Needle, Development of Sewing, Development in Spinning, Development in Weaving, Discovery of Natural Fibres and Development of Garment Styles. Primitive and Aboriginal Peoples - Dresses-Garments, Hair, Headdress, Footwear, Accessories, Jewellery, Typical Colours, Typical Materials and Make – Up.

UNIT- II: MESOPOTAMIAN AND EGYPTIAN

9hrs

Mesopotamian, Sumerian, Assyrian, Babylonian-Dresses-Garments, Hair, Accessories, Jewellery and Typical Materials. Ancient Egyptian Costumes – Dresses - Garments, Typical Materials, Headdresses, Footwear, Colours and Ornaments.

UNIT- III: GREEK AND ROMAN

9hrs

Ancient Greek – Dresses - Garments, Headdresses, Footwear’s, Jewellery, Colours, Fans and Shades and Typical Materials Used for the Costumes. Ancient Roman – Dresses - Garments, Materials Used, Typical Colours, Hair Dresses, Footwear’s, Jewelleries and Accessories.

UNIT- IV: BYZANTINE AND ASIAN

9hrs

Byzantine – Dresses - Garments, Headdress, Footwear, Typical Colours, Materials Accessories and Jewellery. China and Japan - Dresses - Garments, Typical Materials, Headdresses and Footwears.

UNIT –V: DEVELOPMENT OF COSTUMES THROUGH AGES

9 hrs

Costumes and accessories during-Indus valley, Vedic period, Mauryan and Sunga Period and Satavahana period, Kushan period, Gupta period, Mughal Period and British Period.

TOTAL:45HRS

REFERENCE BOOKS:

- 1.The Chronicle of western Costume, John Peacock, Tamed and Hudson, 2010.
- Stuart Robinson, 1969” A History of Printed Textiles”, Studio Vista Ltd., London
- 2.Paral Buatnagar, “Indian costumes and Textiles”, Abhishek Publications, New Delhi, 2000
- 3.Vandana Bhenderi, “Costume, Textiles and Jewellery of India – Traditions in Rajasthan”, Prakash Books, New Delhi, 2004

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|-----------------------------------|---------------------------------------|---|---|--------|---------|----------------------|
| Subject Code: HBFD22L04 | Subject Name: PATTERN MAKING I | C | L | T/S.Lr | P/ R | Ty/Lb/ ETP/I E |
| | Prerequisite : Nil | 2 | 0 | 0 | 3 | Lb |

L : Lecture T : Tutorial P: Practical C: Credits

OBJECTIVES

- To learn about the Drafting Technique and Tools used for Pattern Making.
- To impart the knowledge of Drafting basic bodice block.
- To know about designing children’s Garment.
- To learn about designing Women’s Wear.
- To Familiarize with the pattern variation.

COURSE OUTCOMES (COs)

Students completing this course were able to

| | |
|------------|---|
| CO1 | Familiarize students with tools and Drafting Technique. |
| CO2 | Learn to Draft Basic Bodice Block. |
| CO3 | Learn to Draft Women’s Wear Pattern. |
| CO4 | Gain Knowledge to draft children’s Wear. |
| CO5 | Familiarize Students with the Variations in Pattern Making. |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 2 | 1 | 2 | 3 | 2 | 3 | 3 | 2 | 3 |
| CO2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 2 |
| CO3 | 2 | 3 | 3 | 3 | 3 | 2 | 3 | 1 | 1 |
| CO4 | 3. | 3 | 2 | 1 | 1 | 3 | 2 | 3 | 3 |
| CO5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 |
|------------|-------|-------|-------|-------|
| CO1 | 2 | 3 | 3 | 2 |
| CO2 | 3 | 3 | 2 | 3 |
| CO3 | 2 | 3 | 3 | 3 |
| CO4 | 3 | 2 | 3 | 3 |
| CO5 | 3 | 3 | 3 | 3 |

3/2/1 Indicates Strength Of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|---------------------------|-----------------|-------------------------------|--------|
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|------------------|---------------------------|----------|----------|---------------|------------|
| HBFD22L04 | PATTERN MAKING - I | C | L | T/S.Lr | P/R |
| | | 2 | 0 | 0 | 3 |

LIST OF EXPERIMENTS:

1. Introduction to Pattern Making- Tools and Equipment –Standard Measurements.
2. Drafting a Basic Bodice Block Front and Back
3. Drafting a Sleeves Block-Plain, Cap and Puff.
4. Drafting of Necklines – Round, V-Neck, Square and piped neckline
5. Drafting of Skirts- Circular, Half Circular, Pleated / Gathered.
6. Kid’s Apparel: A Line, Cap Style Frock.
7. Women’s Wear: Salwar and Kameez, Churidar, Palazzo and Saree Blouse.

TOTAL: 45 HRS

REFERENCE BOOKS:

1. Pattern Making for Fashion Design – Helen Joseph Armstrong.
2. Dress Fitting – Bray Natalie.
3. Practical Clothing Construction Part –II by Mary Mathews.
4. Zarpkar System of Cutting by K. R. Zarpkar, Arvind Zarpkar.

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|-----------------------------------|--|---|---|--------|---------|----------------------|
| Subject Code: HBFD22L05 | Subject Name: SEWING TECHNIQUES I | C | L | T/S.Lr | P/ R | Ty/Lb/ ETP/I E |
| | Prerequisite : Nil | 2 | 0 | 0 | 3 | Lb |

L : Lecture T : Tutorial P: Practical C: Credits

OBJECTIVES

- To provide basic skills regarding Sewing and construction of basic garment.
- To learn the skill of Construction.
- To understand about the Kid's apparel and its Construction.
- To gain the Practical Knowledge in Garment Detailing.
- To familiarize about the Women's Apparel and its Construction

COURSE OUTCOMES (COs)

Students completing this course were able to

| | |
|------------|--|
| CO1 | Understand basic skills regarding Sewing and construction of basic garment |
| CO2 | Learn about the skills of Construction. |
| CO3 | Understand about the Kid's Apparel and its Construction. |
| CO4 | Gain the hand in practice in Garment Detailing. |
| CO5 | Familiarize Students with the Women's Apparel Construction |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 2 |
| CO2 | 3 | 2 | 2 | 3 | 3 | 1 | 2 | 3 | 3 |
| CO3 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 2 | 3 |
| CO4 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 |
| CO5 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 2 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 | | |
|------------|-------|-------|-------|-------|--|--|
| CO1 | 2 | 3 | 3 | 3 | | |
| CO2 | 3 | 3 | 2 | 2 | | |
| CO3 | 2 | 2 | 3 | 3 | | |
| CO4 | 3 | 3 | 2 | 2 | | |
| CO5 | 3 | 3 | 3 | 3 | | |

3/2/1 Indicates Strength Of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
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|------------------|------------------------------|----------|----------|---------------|------------|
| HBFD22L05 | SEWING TECHNIQUES - I | C | L | T/S.Lr | P/R |
| | | 2 | 0 | 0 | 3 |

LIST OF EXPERIMENTS:

1. Construction of a Sleeves Block - Plain, Cap and Puff,
2. Construction of Necklines – Round, V Neck, Square and Piping.
3. Construction of Skirts- Circular, Half Circular, Pleated / Gathered.
4. Kid’s Apparel: A Line Frock and Cap Style Frock.
5. Women’s Wear: Salwar and Kameez, Churidar, Skirt with Top, Palazzo and Saree Blouse.

TOTAL: 45 HRS

REFERENCE BOOKS:

1. Pattern Making for Fashion Design – Helen Joseph Armstrong.
2. Dress Fitting – Bray Natalie.
3. Practical Clothing Construction Part -II by Mary Mathews.
4. Zarpkar System of Cutting by K. R. Zarpkar, Arvind Zarpkar.

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|-----------------------------------|---|---|---|--------|---------|----------------------|
| Subject Code: HBFD22L06 | Subject Name: ADVANCE ILLUSTRATION | C | L | T/S.Lr | P/ R | Ty/Lb/ ETP/I E |
| | Prerequisite : Nil | 2 | 0 | 0 | 3 | Lb |

L : Lecture T : Tutorial P: Practical C: Credits

OBJECTIVES

- To introduce sketching techniques of different outfits for Men, Women and Kids.
- To Learn about the Rendering with different art medium.
- To Analyze various proportions and poses for fashion drawing.
- To Gain the Knowledge about the application of color and design application in dress.
- To Develop the ability of learners to express their inspiration through creative designs

COURSE OUTCOMES (COs)

Students completing this course were able to

| | |
|------------|--|
| CO1 | Familiarize with different sketching techniques. |
| CO2 | Learn about the Rendering technique with different art medium. |
| CO3 | Analyse various proportions and poses for fashion drawing. |
| CO4 | Gain the Knowledge about the application of color and design application in dress. |
| CO5 | Develop the ability of learners to express their inspiration through creative designs. |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 2 | 1 |
| CO2 | 1 | 1 | 2 | 3 | 3 | 3 | 2 | 3 | 3 |
| CO3 | 3 | 3 | 2 | 1 | 3 | 2 | 3 | 3 | 1 |
| CO4 | 3 | 3 | 2 | 3 | 3 | 2 | 1 | 2 | 3 |
| CO5 | 1 | 3 | 2 | 3 | 1 | 2 | 3 | 3 | 3 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 |
|------------|-------|-------|-------|-------|
| CO1 | 3 | 2 | 3 | 3 |
| CO2 | 2 | 3 | 2 | 3 |
| CO3 | 3 | 2 | 3 | 2 |
| CO4 | 2 | 3 | 2 | 3 |
| CO5 | 3 | 2 | 3 | 2 |

3/2/1 Indicates Strength Of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
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|------------------|-----------------------------|----------|----------|---------------|------------|
| HBFD22L06 | ADVANCE ILLUSTRATION | C | L | T/S.Lr | P/R |
| | | 2 | 0 | 0 | 3 |

LIST OF EXPERIMENTS:

Women:

1. Indian Wear (Front, and Back) - Saree, Salwar, Bridal Wear.
2. Western Wear (Front and Back) - Sweater, Gown, Jacket, Trouser.
3. Lounge Wear (Front and Back) - Swim Suit. tongs
4. Party Wear – Red Carpet Garments.

Men:

1. Indian Wear (Front and Back) – Ethnic wear Sherwani, Dhoti.
2. Western Wear (Front and Back) – Formal, Casual.
3. Party Wear: Blazer.

Kids:

1. Party Wear –
2. Seasonal wear –Spring Summer, Autumn Winter. (Front and back)

TOTAL: 45 HRS

REFERENCE BOOKS:

1. Erte's Fashion Designs-218 Illustrations from Harper's Bazaar.
2. Foundation in Fashion Design AND Illustration, Julian seaman, Chrysalis Books.
3. Portfolios - Janet Boyes, Dullus. 4. Fashion Sketchbook, Bina Ablng.

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|-----------------------------------|---|----------|------------|--------------------|------------|---|
| Subject Code: HBCS22IL1 | Subject Name: ALLIED LAB COMPUTER SCIENCE LAB | C | L | T/S .Lr | P/R | Ty/ Lb/ ET P/I E |
| | Prerequisite : Nil | 2 | 0/0 | 0/0 | 3 | Lb |

L : Lecture T : Tutorial SLr : Supervised Learning P: Project R : Research C : Credits Ty/Lb/ETL
Theory / Lab/ Embedded Theory and Lab

OBJECTIVES

- To create documents using templates
- Formatting rows and columns in Excel
- To create presentations using templates
- Adding pictures and shapes
- To create PDF documents

COURSE OUTCOMES (COs)

Students completing this course were able to

| | |
|------------|--|
| CO1 | Create documents using templates and formatting text |
| CO2 | Formatting rows and columns |
| CO3 | Creating presentations using templates |
| CO4 | Working with bullet points and adding pictures |
| CO5 | Creating PDF documents |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 1 | 3 | 3 | 3 | 1 | 1 | 1 | 2 |
| CO2 | 3 | 1 | 3 | 3 | 3 | 1 | 1 | 1 | 2 |
| CO3 | 3 | 1 | 3 | 3 | 3 | 1 | 1 | 1 | 2 |
| CO4 | 3 | 1 | 3 | 3 | 3 | 1 | 1 | 1 | 2 |
| CO5 | 3 | 1 | 3 | 3 | 3 | 1 | 1 | 1 | 2 |

| COs /PSOs | PSO1 | PSO2 | PSO3 |
|------------|------|------|------|
| CO1 | 3 | 3 | 3 |
| CO2 | 3 | 2 | 3 |
| CO3 | 3 | 3 | 3 |
| CO4 | 3 | 3 | 3 |
| CO5 | 2 | 3 | 2 |

3/2/1 Indicates Strength Of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program Elective | Humanities and Social Science | Open Elective | Skill Enhancing Elective | Inter Disciplinary/ Allied | Skill Component | Practical / Project / internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|----------------------------|-----------------|----------------------------------|--------|
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|--|---|----------|------------|------------|----------|----------------------|
| Subject Code: HBCS22IL1 | Subject Name: ALLIED LAB COMPUTER SCIENCE LAB | C | L | T/S. Lr | P/R | Ty/L b/ET P/IE |
| | Prerequisite : Nil | 2 | 0/0 | 0/0 | 3 | Lb |
| L : Lecture T : Tutorial SLr : Supervised Learning P: Project R : Research C : Credits Ty/Lb/ETL : Theory / Lab/ Embedded Theory and Lab | | | | | | |

1. How to create new documents, Using templates
2. Creating and editing text, formatting text, pages, and paragraphs, adding headers, footers, and page numbers,
3. Applying styles and themes to documents, creating bulleted and numbered lists,
4. Entering data, formatting rows, columns, cells, and data, Working with alignment and text wrap (MS Excel)
5. Creating presentations from themes and templates.
6. Adding pictures, objects, shapes, diagrams, and charts Working with bullet points, text boxes, and tables,
7. Converting images and documents to PDFs, Creating PDFs for OCR.

Total : 45 hrs

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|---|--|---|-------------------------------|---------------|--------------------------|----------------------------|-------------------------|----------------------------------|-------------------------------|--|--|--|
| Subject Code: HBCC22I04 | | Subject Name: Statistical and Numerical Methods Lab | | | C | L | T/ S.L r | P/R | Ty/Lb/ ETP/I E | | | |
| | | Prerequisite: Higher Secondary Mathematics | | | 2 | 0/0 | 0/0 | 3 | IE | | | |
| L : Lecture T : Tutorial C: Credits | | | | | | | | | | | | |
| OBJECTIVES | | | | | | | | | | | | |
| <ul style="list-style-type: none"> • To understand the Basic concepts in Measures of Central Tendency • To understand the Basic concepts in Correlation and Regression • To understand the methods of solving Algebraic and Transcendental equations • To understand the basic concepts in R Programming language | | | | | | | | | | | | |
| COURSE OUTCOMES (COs) | | | | | | | | | | | | |
| Students completing this course were able to | | | | | | | | | | | | |
| CO1 | Understand the basic concepts in Measures of Central Tendency | | | | | | | | | | | |
| CO2 | Understand the basic concepts in Correlation and Regression | | | | | | | | | | | |
| CO3 | Try to solve Algebraic equations | | | | | | | | | | | |
| CO4 | Try to solve system of Linear Equations | | | | | | | | | | | |
| CO5 | Learn how to apply R programming to solve Statistical and Numerical problems | | | | | | | | | | | |
| Mapping of Course Outcome with Program Outcome (POs) | | | | | | | | | | | | |
| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | | | |
| CO1 | 3 | 2 | 3 | 3 | 2 | 2 | 1 | 2 | 3 | | | |
| CO2 | 3 | 2 | 2 | 3 | 3 | 1 | 1 | 2 | 3 | | | |
| CO3 | 2 | 2 | 3 | 2 | 3 | 2 | 2 | 1 | 2 | | | |
| CO4 | 3 | 2 | 3 | 3 | 3 | 2 | 1 | 1 | 3 | | | |
| CO5 | 2 | 2 | 3 | 3 | 2 | 1 | 1 | 2 | 2 | | | |
| COs /PSOs | PSO1 | | | | PSO2 | | | | PSO3 | | | |
| CO1 | 3 | | | | 2 | | | | 3 | | | |
| CO2 | 2 | | | | 3 | | | | 3 | | | |
| CO3 | 3 | | | | 3 | | | | 2 | | | |
| CO4 | 3 | | | | 3 | | | | 3 | | | |
| CO5 | 3 | | | | 2 | | | | 2 | | | |
| 3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1-Low | | | | | | | | | | | | |
| Category | Program Core | Program Elective | Humanities and Social Science | Open Elective | Skill Enhancing Elective | Inter Disciplinary /Allied | Skill Component | Practical / Project / Internship | Others | | | |
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|-------------------------------------|--|----------|----------|--------------------|------------|
| Subject Code: HBCC22I04 | Subject Name: STATISTICAL AND NUMERICAL METHODS LAB | C | L | T/S. Lr | P/R |
| | Prerequisite: Higher Secondary Mathematics | 2 | 0 | 0 | 3 |
| L : Lecture T : Tutorial C: Credits | | | | | |

Common to II yr / III Sem all H and S Programmes

UNIT I MEASURES OF CENTRAL TENDENCY AND VARIABILITY

Mean, Median, Mode – Range, Quartile Deviation – Mean Deviation - Standard Deviation

UNIT II CORRELATION AND REGRESSION

Correlation Coefficient – Spearman’s Rank Correlation – Linear Regression

UNIT III SOLUTION OF EQUATIONS

Solution of Algebraic equations – Method of false position – Iteration method – Newton-Raphson method

UNIT IV SOLUTION OF LINEAR SYSTEM OF EQUATIONS

Solution of Linear system of equations – Gauss Elimination method – Gauss-Jordan method.

UNIT V PROGRAMMING IN R

Algorithm to find Mean, Median, Mode and Standard Deviation Using R, Algorithm to find Correlation coefficient using R, Algorithm to solve System of Equations.

Total: 45 hrs

References

- 1) Veerarajan T., *Probability, Statistics and, Random Processes*, Tata McGraw Hill Publishing Co., (2008).
- 2) Gupta S.C., Kapoor V.K., *Fundamentals of Mathematical Statistics*, S.Chandand Co., (2007).
- 3) Sastry S.S., *Introductory Methods of Numerical Analysis*, Prentice Hall of India, (2012).
- 4) Kandasamy P., Thilagavathy, Gunavathy K., *Numerical Methods (Vol.IV)*, S. Chandand Co., (2008).
- 5) Victor A. Bloomfield, *Using R for Numerical Analysis in Science and Engineering*, CRC Press, Taylor AND Series Group (2014).

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|--|---|--|--------------------------------------|----------------------|---------------------------------|-----------------------------------|------------------------|---|---------------|-------------------------|-----------------|--------------------------|
| Subject Code: HBCC22105 | | Subject Name: SOFT SKILL- III QUALITATIVE AND QUANTITATIVE TECHNIQUES | | | | | | C | L | T/ S. Lr | P/ R | Ty/Lb/E TP/IE |
| | | Prerequisite: Higher Secondary Mathematics | | | | | | 1 | 0/0 | 0/0 | 2 | IE |
| L : Lecture T : Tutorial SLr : Supervised Learning P: Project R : Research C: Credits, TY/LB/ETL : Theory / Lab / Embedded Theory and Lab | | | | | | | | | | | | |
| OBJECTIVES | | | | | | | | | | | | |
| <ul style="list-style-type: none"> • To understand the Basic concepts in Logical Reasoning • To understand the Basic concepts in Arithmetical Reasoning • To understand the Basic concepts in Data Interpretation | | | | | | | | | | | | |
| COURSE OUTCOMES (Cos) | | | | | | | | | | | | |
| Students completing this course were able to | | | | | | | | | | | | |
| CO1 | Understand the basic concepts of Logical Statements and Arguments | | | | | | | | | | | |
| CO2 | Understand the concept of Logical conclusions | | | | | | | | | | | |
| CO3 | Understand the Basic concepts in Number system | | | | | | | | | | | |
| CO4 | Understand the basic concepts of Permutations and Combinations | | | | | | | | | | | |
| CO5 | Learn how to analyze the data using Pictorial representation | | | | | | | | | | | |
| Mapping of Course Outcome with Program Outcome (POs) | | | | | | | | | | | | |
| Cos/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | | | |
| CO1 | 3 | 2 | 3 | 3 | 3 | 2 | 1 | 2 | 3 | | | |
| CO2 | 2 | 3 | 2 | 3 | 3 | 2 | 1 | 2 | 2 | | | |
| CO3 | 3 | 2 | 3 | 2 | 3 | 1 | 2 | 1 | 3 | | | |
| CO4 | 3 | 1 | 2 | 3 | 2 | 3 | 3 | 2 | 2 | | | |
| CO5 | 3 | 2 | 3 | 2 | 3 | 2 | 1 | 2 | 3 | | | |
| COs /PSOs | PSO1 | | | | PSO2 | | | | PSO3 | | | |
| CO1 | 3 | | | | 2 | | | | 2 | | | |
| CO2 | 2 | | | | 2 | | | | 3 | | | |
| CO3 | 3 | | | | 1 | | | | 2 | | | |
| CO4 | 2 | | | | 3 | | | | 1 | | | |
| CO5 | 3 | | | | 2 | | | | 2 | | | |
| 3/2/1 Indicates Strength Of Correlation, 3 – High, 2- Medium, 1- Low | | | | | | | | | | | | |
| Category | Program Core | Program Elective | Humanities and Social Science | Open Elective | Skill Enhancing Elective | Inter Disciplinary/ Allied | Skill Component | Practical / Project / Internship | Others | | | |
| | | | | | | | √ | | | | | |

HBCC22I05 **Soft Skills III (Qualitative and Quantitative Techniques)**
Common to II yr / III sem(ALL H & S Programmes)

UNIT 1 Logical Reasoning I

Logical Statements – Arguments – Assumptions – Courses of Action.

UNIT 2 Logical Reasoning II

Logical conclusions – Deriving conclusions from passages – Theme detection.

UNIT 3 Arithmetical Reasoning I

Number system – H.C.F AND L.C.M – Problem on ages – Percentage – Profit AND Loss – Ratio and Proportion – Partnership.

UNIT 4 Arithmetical Reasoning II

Time AND Work – Time AND Distance – Clocks – Permutations and Combinations – Heights AND Distances – Odd man out and Series.

UNIT 5 Data Interpretation

Tabulation – Bar graphs – Pie graphs – Line graphs.

Total :30 hrs

Reference Book:

1. R.S. Agarwal, A modern approach to Logical Reasoning, S. Chandand Co., (2017).
2. R.S. Agarwal, A modern approach to Verbal and Nonverbal Reasoning, S. Chandand Co., (2017).
3. R.S. Agarwal, Quantitative Aptitude for Competitive Examinations, S. Chandand Co., (2017).
4. A.K. Gupta, Logical and Analytical Reasoning, Ramesh Publishing House, (2014).
5. B.S. Sijwali, Indusijwali, A new approach to Reasoning (Verbal and Non verbal), Arihant Publishers, (2014).

SEMESTER-IV

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| | | | | | | |
|-----------------------------------|---|----------|----------|--------------------|------------|---|
| Subject Code: HBCS22ID4 | Subject Name: ALLIED IV-COMPUTER SCIENCE-II | C | L | T/S .Lr | P/R | Ty/ Lb/ ET P/I E |
| | Prerequisite : Nil | 3 | 3 | 0/0 | 0/0 | Ty |

L : Lecture T : Tutorial SLr : Supervised Learning P: Project R : Research C : Credits Ty/Lb/ETL : Theory / Lab/ Embedded Theory and Lab

OBJECTIVES

- To learn the basics of computer hardware
- Understand the applications of computer in textile designing
- Understand the applications of computer in fashion designing
- To learn about applications of computer in patter making
- To learn about computer aided manufacturing

COURSE OUTCOMES (COs)

Students completing this course were able to

| | |
|------------|---|
| CO1 | Deep understanding of organization of computers and parts of computer |
| CO2 | Ability to learn about the software's in textile designing |
| CO3 | Ability to learn about computer applications in fashion designing |
| CO4 | Understanding pattern making |
| CO5 | Understand the Concepts of Computer aided manufacturing |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 1 | 3 | 3 | 3 | 1 | 1 | 1 | 2 |
| CO2 | 3 | 1 | 3 | 3 | 3 | 1 | 1 | 1 | 2 |
| CO3 | 3 | 1 | 3 | 3 | 3 | 1 | 1 | 1 | 2 |
| CO4 | 3 | 1 | 3 | 3 | 3 | 1 | 1 | 1 | 2 |
| CO5 | 3 | 1 | 3 | 3 | 3 | 1 | 1 | 1 | 2 |

| COs /PSOs | PSO1 | PSO2 | PSO3 |
|------------|------|------|------|
| CO1 | 3 | 3 | 3 |
| CO2 | 3 | 2 | 3 |
| CO3 | 3 | 3 | 3 |
| CO4 | 3 | 3 | 3 |
| CO5 | 2 | 3 | 2 |

3/2/1 Indicates Strength Of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program Elective | Humanities and Social Science | Open Elective | Skill Enhancing Elective | Inter Disciplinary/ Allied | Skill Component | Practical / Project / internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|----------------------------|-----------------|----------------------------------|--------|
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| | | | | | | |
|--|---|----------|----------|--------------------|------------|---|
| Subject Code: HBCS22ID4 | Subject Name: ALLIED IV-COMPUTER SCIENCE-II | C | L | T/S .Lr | P/R | Ty/ Lb/ ET P/I E |
| | Prerequisite : Nil | | | | | |
| L : Lecture T : Tutorial SLr : Supervised Learning P: Project R : Research C : Credits Ty/Lb/ETL : Theory / Lab/ Embedded Theory and Lab | | | | | | |

UNIT-1

9 hrs

Introduction to computers –Organization of Computers –Input Unit, Output Unit, Central Processing Unit, Memory Devices, Working Principles of Printer-Scanner, Digitizer & Plotter.

UNIT -2

9 hrs

Computer Application in Textile Designing- Weaving- Software used – Types of woven Design-Dobby and Jacquard- Techniques Used. Knitting -soft wares used – Types of knitting. Printing –Creation of Printed Design – Simulation Technique.

UNIT-3

9 hrs

Computer Application in Fashion Designing-Design Creation- Theme Rendering- 3D Modeling-Body Scanning-Texture Mapping-Design Studio-Fashion Studio- Fashion Multimedia Concepts.

UNIT-4

9 hrs

Computer Application in Pattern Making- Process involved in Pattern Making Grading-Marker Planning-Laying-Cutting- Labelling-Duplicating. Computerized Sewing Machine.

UNIT-5

9 hrs

Computer Aided Manufacturing – Concepts of Computer Integrated Manufacturing – Definition and Functions of CAD, CAM, CIM, CAA, PDC-Computerized Embroidery Machines-Computerized color Matching System-Brief study of Designing Soft wares used in textile industry.

Total no. of periods:45hrs

Reference

1. CAD/CAM computer aided design and manufacture, Groover MP and E.W.Zinimmers, prentice hall, India 1984.
2. Computers in fashion industry, Taylor P, Heinemann publications 1990.
3. Computer aided design and manufacture, Bezant C.E, Ellis Horwood, England,1983.
4. CAD in clothing and textiles, Winfred Aldrich, Blackwel science, 1994.
5. Computer aided drafting and design –concept and application, Veinsinet DO, 1987.
6. Computer Fundamentals – P K Sinha , BPB Publications, Delhi (1992)
7. Pattern Grading for Women's Cloths The Technology of sizing – Gerry Cooklin, Blackwel

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| | | | | | | |
|-----------------------------------|---|---|---|--------|---------|----------------------|
| Subject Code: HBFD22007 | Subject Name: FASHION MERCHANISING | C | L | T/S.Lr | P/ R | Ty/Lb/ ETP/I E |
| | Prerequisite : Nil | 4 | 3 | 1/0 | 0/0 | Ty |

L : Lecture T : Tutorial P: Practical C: Credits

OBJECTIVES

- To introduce merchandising and requirement of merchandiser's
- To impart knowledge about export and buying house.
- To provide a theoretical understanding on costing and Forecasting.
- To enable students to understand the showroom vocabulary.
- To learn about the trade procedures and documentation

COURSE OUTCOMES (COs)

Students completing this course were able to

| | |
|------------|---|
| CO1 | Gain knowledge about merchandising and requirement of merchandiser's. |
| CO2 | Impart knowledge about export and buying house. |
| CO3 | Understood the concept of costing and Forecasting. |
| CO4 | Enable students to understand the showroom vocabulary. |
| CO5 | learnt about the trade procedures and documentation. |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 |
| CO2 | 2 | 2 | 2 | 1 | 2 | 3 | 2 | 1 | 3 |
| CO3 | 1 | 1 | 3 | 3 | 3 | 2 | 3 | 2 | 2 |
| CO4 | 2 | 2 | 2 | 3 | 2 | 3 | 2 | 1 | 3 |
| CO5 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 3 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 | | |
|------------|-------|-------|-------|-------|--|--|
| CO1 | 3 | 3 | 3 | 3 | | |
| CO2 | 2 | 2 | 3 | 2 | | |
| CO3 | 3 | 3 | 3 | 3 | | |
| CO4 | 2 | 3 | 3 | 3 | | |
| CO5 | 2 | 3 | 2 | 3 | | |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|---------------------------|-----------------|-------------------------------|--------|
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| | | | | | |
|------------------|-----------------------------|----------|----------|----------|----------|
| HBFD22007 | FASHION MERCHANISING | C | L | T/S.Lr | P/R |
| | | 4 | 3 | 1 | 0 |

OBJECTIVES

- To impart knowledge about export and buying house.
- To provide a theoretical understanding on costing and Forecasting.
- To enable students to understand the showroom vocabulary
- To introduce merchandising and requirement of merchandiser's
- To learn about the trade procedures and documentation.

UNIT- I: INTRODUCTION TO MERCHANDISING 12 hrs

Definition and Objectives of Merchandising, Role of a Merchandiser, Requirements of a Merchandiser, Responsibilities of a Merchandiser. Communication Skills - Communication with Buyer and Coordination with Different Departments of a Factory.

UNIT-II: ORGANIZATIONAL STRUCTURE AND FUNCTIONS 12 hrs

Organizational Structure and Functions of Various Departments of a Manufacturer Export House. Buying House - Store Owned Buying House and Independent Buying House. An Overview of Textile Industry - Different Sectors of Indian Textile Industry - Mill Sector /Organized Sector, Power Loom, Sector/Semi Organized Sector, Hand Loom Sector/Unorganized Sector /Co- Operatives.

UNIT- III: FORECASTING AND COSTING 12hrs

Forecasting and Significance in Product Planning, Sampling, Specification Sheet, Order Sheet, Line Development, Lead Time, Line. Presentation, Minimum Length and Width, Costing - Techniques of Costing - Forward Costing and Backward Costing, Cost Control, Cost Sheet.

UNIT -IV: ORGANIZING OF GARMENTS AND QUALITY CONTROL 12 hrs

Organizing the Showroom, Showroom Vocabulary, Eco Friendly Textiles and Significance of Green labelling, Quality Control of Garments, Care labelling of Garments and its Types.

UNIT- V: EXPORT AND GLOBALIZATION 12 hrs

Export, Trade Procedures and Documentation. Mode of Shipments, Transport Documents. Mode of Payment - Letter of Credit and Bill of Exchange, Globalization and its Impacts on Indian Textile Industry.

TOTAL:60 Hrs

REFERENCE BOOKS:

1. Management Gurus and Management Fashions, Brad Jackson, Routeledge.
2. Inside the Fashion Business, Jeanette Jarnow, Rizzoli International Publications.
3. Essential Fashion Design, Anet Boyes, Burch.
4. Fashion Marketing, Micheal Easey, Thompson, Sharon, Willans, John, Blackwell Scientific Publications.
5. Fashion Merchandising and Marketing, Marian H. Jernigan, Easterling, and Cynthia Prentic Hall.

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| | | | | | | |
|-----------------------------------|--|---|---|--------|---------|----------------------|
| Subject Code: HBFD22L07 | Subject Name: PATTERN MAKING-II | C | L | T/S.Lr | P/ R | Ty/Lb/ ETP/I E |
| | Prerequisite : Nil | 2 | 0 | 0/0 | 3/0 | Lb |

L : Lecture T : Tutorial P: Practical C: Credits

OBJECTIVES

- To learn about the Drafting procedure for women’s clothing.
- To impart the knowledge of Drafting day dress
- To know about designing Women’s Garment.
- To learn about designing shirt and trousers
- To familiarize with the pattern variation.

COURSE OUTCOMES (COs)

Students completing this course were able to

| | |
|------------|---|
| CO1 | Learnt about the Drafting procedure for women’s clothing. |
| CO2 | Gain knowledge of Drafting day dress |
| CO3 | know about designing Women’s Garment. |
| CO4 | learn about designing shirt and trousers |
| CO5 | Familiarize with the pattern variation |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 2 | 2 |
| CO2 | 2 | 1 | 3 | 2 | 3 | 2 | 1 | 3 | 3 |
| CO3 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 2 | 2 |
| CO4 | 1 | 2 | 1 | 3 | 3 | 2 | 3 | 3 | 3 |
| CO5 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 1 | 2 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 |
|------------|-------|-------|-------|-------|
| CO1 | 3 | 3 | 2 | 3 |
| CO2 | 3 | 3 | 2 | 3 |
| CO3 | 3 | 3 | 2 | 3 |
| CO4 | 3 | 3 | 2 | 3 |
| CO5 | 3 | 3 | 2 | 3 |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|---------------------------|-----------------|-------------------------------|--------|
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|------------------|--------------------------|----------|----------|---------------|------------|
| HBFD22L07 | PATTERN MAKING-II | C | L | T/S.Lr | P/R |
| | | 2 | 0 | 0 | 3 |

LIST OF EXPERIMENTS:

Day Dress

Pencil Fit Skirt

Waist Coat

Little Black Dress

Lehenga

Ladies Shirt

Men Shirt

Trousers

One Indian Wear

One Western Wear

TOTAL:45 Hrs

REFERENCE BOOKS:

1. Pattern making for fashion design – Helen Joseph Armstrong.
2. Dress fitting – Bray Natalie.
3. Practical clothing Construction Part -II by Mary Mathews.
4. Zarpkar System of Cutting by K. R. Zarpkar, Arvind Zarpkar.

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| | | | | | | |
|-----------------------------------|---|---|---|--------|---------|----------------------|
| Subject Code: HBFD22L08 | Subject Name: SEWING TECHNIQUES-II | C | L | T/S.Lr | P/ R | Ty/Lb/ ETP/I E |
| | Prerequisite : Nil | 2 | 0 | 0/0 | 3/0 | Lb |

L : Lecture T : Tutorial P: Practical C: Credits

OBJECTIVES

- To provide basic skills regarding construction of women’s garment.
- To learn the skill to Construct pencil fit skirt.
- To understand about the women’s apparel and its Construction.
- To gain the Practical Knowledge in designing Indian wear.
- To gain knowledge to construct western wear.

COURSE OUTCOMES (COs)

Students completing this course were able to

| | |
|------------|---|
| CO1 | Provide basic skills regarding construction of women’s garment. |
| CO2 | Learnt the skill to Construct pencil fit skirt. |
| CO3 | Understood the women’s apparel and its Construction. |
| CO4 | Gain the Practical Knowledge in designing Indian wear. |
| CO5 | Gain knowledge to construct western wear. |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 2 |
| CO2 | 2 | 1 | 3 | 2 | 3 | 2 | 3 | 2 | 3 |
| CO3 | 3 | 2 | 2 | 3 | 1 | 3 | 1 | 3 | 2 |
| CO4 | 1 | 3 | 2 | 1 | 3 | 3 | 3 | 3 | 3 |
| CO5 | 3 | 2 | 1 | 3 | 3 | 2 | 3 | 2 | 3 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 | | |
|------------|-------|-------|-------|-------|--|--|
| CO1 | 3 | 3 | 2 | 3 | | |
| CO2 | 2 | 3 | 2 | 3 | | |
| CO3 | 3 | 3 | 2 | 3 | | |
| CO4 | 2 | 2 | 2 | 3 | | |
| CO5 | 3 | 3 | 2 | 3 | | |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|---------------------------|-----------------|-------------------------------|--------|
| | | | | | | | | √ | |

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|------------------|-----------------------------|----------|----------|---------------|------------|
| HBFD22L08 | SEWING TECHNIQUES-II | C | L | T/S.Lr | P/R |
| | | 2 | 0 | 0 | 3 |

LIST OF EXPERIMENTS:

Day Dress
Pencil Fit Skirt
Waist Coat
Little Black Dress
Lehenga
Ladies Shirt
Men Shirt
Trousers
One Indian Wear
One Western Wear
Project – Design Your Own Garment

TOTAL:45 Hrs

REFERENCE BOOKS:

1. Pattern making for fashion design – Helen Joseph Armstrong.
2. Dress fitting – Bray Natalie.
3. Practical clothing Construction Part -II by Mary Mathews.
4. Zarpkar System of Cutting by K. R. Zarpkar, Arvind Zarpkar

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| | | | | | | |
|-----------------------------------|--|----------|------------|--------------------|------------|---|
| Subject Code: HBCC22I06 | Subject Name: CRITICAL THINKING SKILL | C | L | T/S .Lr | P/R | Ty/ Lb/ ET P/I E |
| | Prerequisite: Basic Knowledge in computer | 1 | 0/0 | 0/0 | 2 | IE |

L : Lecture T : Tutorial SLr : Supervised Learning P: Project R : Research C : Credits
T/L/ETL : Theory / Lab / Embedded Theory and Lab

OBJECTIVES

1. Promote Critical Thinking as a Valuable Process in the Workplace
2. Use Critical Thinking Skills When Making Business Decisions and Taking Action
3. Select Specific Tools to Use When Conducting Critical Thinking

COURSE OUTCOMES (Cos)

Students completing this course were able to

- | | |
|------------|--|
| CO1 | Explaining an Issue or Problem |
| CO2 | Employing Evidence/Information Effectively |
| CO3 | Analyzing Contexts |
| CO4 | Describing Your and Others Perspectives |
| CO5 | Drawing Logical Conclusions |

Mapping of Course Outcome with Program Outcome (POs)

| Cos/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | P07 | PO8 | P09 |
|------------|------|-----|------|-----|------|-----|-----|------|-----|
| CO1 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 3 |
| CO2 | 2 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 |
| CO3 | 3 | 2 | 2 | 1 | 3 | 3 | 1 | 3 | 3 |
| CO4 | 3 | 3 | 3 | 2 | 1 | 3 | 2 | 1 | 3 |
| CO5 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| Cos/PSOs | PS01 | | PS02 | | PS03 | | | PS04 | |
| CO1 | 3 | | 3 | | 2 | | | 2 | |
| CO2 | 2 | | 2 | | 1 | | | 3 | |
| CO3 | 3 | | 3 | | 3 | | | 2 | |
| CO4 | 3 | | 3 | | 2 | | | 3 | |
| CO5 | 3 | | 2 | | 2 | | | 3 | |

3/2/1 Indicates Strength Of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program Elective | Humanities and Social Science | Open Elective | Skill Enhancing Elective | Inter Disciplinary/ Allied | Skill Component | Practical / Project / Internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|----------------------------|-----------------|----------------------------------|--------|
| | | | | | | | √ | | |

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|------------------|--------------------------------|----------|----------|---------------|------------|
| HBCC22I06 | CRITICAL THINKING SKILL | C | L | T/S.Lr | P/R |
| | | 1 | 0 | 0/0 | 2 |

CRITICAL THINKING

1. Case Study Analysis of a specific Computer Applications Domain.
 1. System Requirements
 2. Analysis
 3. Design
 4. Test Cases
2. Debugging programs from Computer Applications languages
3. Prediction of Output for Minimum 10 Problems.

Total: 30 hrs.

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| | | | | | | |
|-----------------------------------|--|----------|----------|------------|------------|------------------|
| Subject Code: HBFD22I01 | Subject Name: ACCESSORY ILLUSTRATION AND APPRECIATION LAB | C | L | T/S. Lr | P/R | Ty/Lb/ ETP/IE |
| | Prerequisite : Nil | 1 | 0 | 0/0 | 2/0 | IE |

L : Lecture T : Tutorial P: Practical C: Credits

OBJECTIVES

- To learn to draw and make an accessory
- To practice to sketch an antiquity jewellery.
- To learn to draw a various leather goods.
- To learn to sketch lifestyle eyeglasses and wrist watches.
- To make Avant-garde garments using various materials

COURSE OUTCOMES (CO's)

Students completing this course were able to

| | |
|------------|---|
| CO1 | Learnt to draw and make an accessory |
| CO2 | Gain confidence to sketch an antiquity jewelry. |
| CO3 | Learnt to draw a various leather goods. |
| CO4 | Learnt to sketch lifestyle eyeglasses and wrist watches. |
| CO5 | Practice to make Avant-gardes garments using various materials. |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 3 |
| CO2 | 2 | 3 | 3 | 2 | 1 | 2 | 3 | 3 | 3 |
| CO3 | 3 | 1 | 2 | 3 | 3 | 3 | 2 | 3 | 3 |
| CO4 | 2 | 3 | 3 | 1 | 3 | 2 | 3 | 3 | 3 |
| CO5 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 2 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 | | |
|------------|-------|-------|-------|-------|--|--|
| CO1 | 3 | 3 | 2 | 3 | | |
| CO2 | 3 | 3 | 2 | 3 | | |
| CO3 | 3 | 3 | 2 | 3 | | |
| CO4 | 3 | 3 | 2 | 3 | | |
| CO5 | 3 | 3 | 2 | 3 | | |

3/2/1 Indicates Strength Of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|---------------------------|-----------------|-------------------------------|--------|
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| | | | | | |
|------------------|--|----------|----------|---------------|------------|
| HBFD22I01 | ACCESSORY ILLUSTRATION AND APPRECIATION LAB | C | L | T/S.Lr | P/R |
| | | 1 | 0 | 0 | 2 |

LIST OF EXPERIMENTS:

1. Draw and Make Fashion Jewellery (Any 5)
2. Draw an Antiquity (Traditional) Jewellery Design
3. Draw and Make a Wedding Head Gear (Two Designs)
4. Draw a Leather Goods Designs (15 Designs)
5. Draw a Leather Footwear Design (10 Designs)
6. Draw a Watch (5 Designs)
7. Draw a Lifestyle Eyeglasses (5 Designs)
8. Make 3 Avant Garde Garments Using Various Materials.

TOTAL:30 Hrs

REFERENCE BOOKS:

1. Jewellery of India – B.K. Chaturvedi- Diamond Pocket Books- Pvt., Ltd.
2. Drawing Fashion Accessories Book by Steven Thomas Miller.
3. Comdex fashion design volume I by Dr. Navneet Kaur.

SEMESTER-V

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| | | | | | | |
|-----------------------------------|--|---|---|--------|---------|----------------------|
| Subject Code: HBFD22008 | Subject Name: FASHION RETAIL MANAGEMENT | C | L | T/S.Lr | P/ R | Ty/Lb/ ETP/I E |
| | Prerequisite : Nil | 4 | 3 | 1/0 | 0/0 | Ty |

L : Lecture T : Tutorial P: Practical C: Credits

OBJECTIVES

- To learn about the basic concepts of retail strategies.
- To impart knowledge about the role of fashion buyer
- To familiarize the functions of marketing.
- To study about the market research and methods.
- To gain knowledge about visual merchandising and store planning

COURSE OUTCOMES (CO's)

Students completing this course were able to

| | |
|------------|---|
| CO1 | Learnt about the basic concepts of retail strategies. |
| CO2 | Impart knowledge about the role of fashion buyer. |
| CO3 | Familiarize the functions of marketing. |
| CO4 | Study about the market research and methods. |
| CO5 | Gain knowledge about visual merchandising and store planning. |

Mapping of Course Outcome with Program Outcome (Po's)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 3 |
| CO2 | 2 | 1 | 3 | 2 | 1 | 2 | 1 | 3 | 2 |
| CO3 | 3 | 3 | 2 | 3 | 3 | 1 | 3 | 2 | 3 |
| CO4 | 2 | 3 | 3 | 1 | 2 | 3 | 3 | 3 | 2 |
| CO5 | 3 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 3 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 | | |
|------------|-------|-------|-------|-------|--|--|
| CO1 | 2 | 3 | 3 | 3 | | |
| CO2 | 3 | 2 | 3 | 2 | | |
| CO3 | 2 | 3 | 2 | 3 | | |
| CO4 | 3 | 2 | 3 | 3 | | |
| CO5 | 2 | 3 | 2 | 2 | | |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|---------------------------|-----------------|-------------------------------|--------|
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|------------------|----------------------------------|----------|----------|---------------|------------|
| HBFD22008 | FASHION RETAIL MANAGEMENT | C | L | T/S.Lr | P/R |
| | | 4 | 3 | 1 | 0 |

OBJECTIVES

- To learn about the basic concepts of retail strategies.
- To impart knowledge about the role of fashion buyer
- To familiarize the functions of marketing.
- To study about the market research and methods.
- To gain knowledge about visual merchandising and store planning.

UNIT -I: RETAILING

12 hrs

Retail Strategies, Store Based Retailers, Retail Organization Multiple Unit Stores, Types of Ownership, Non-Store Retailing.

UNIT- II: SOURCING

12 hrs

Role of a Fashion Buyer, Fabric Sourcing, Garment Sourcing, Local Sourcing, National Sourcing AND International Sourcing. Range Planning.

UNIT- III: MARKETING

12 hrs

Functions of Marketing, Marketing Calendar, Marketing Mix- Product, Price, Promotion AND Transportation, Strategy Planning.

UNIT- IV: CONSUMER BEHAVIOUR

12 hrs

Consumer Behavior, Costumer Profile Defining the Consumer by: Sex, Age, Size, Season, Economic Status, Location and Others. Market Research- Methods and Data Analysis.

UNIT -V: VISUAL MERCHANDISING

12 hrs

Visual Merchandising - Store Planning, Seasonal Visual Merchandising, Windows, Interior and Exterior Visual Merchandising.

TOTAL:60 Hrs

REFERENCE BOOKS:

1. Fashion Buying-Helen Goworek, Blackwell Science.
2. Retail Buying-Jay Diamond, Gerald Pintel, Prentice Hall.
3. Fashion Theory-The journal of dress, Body and Culture and FIT.
4. The Fashion Business-Theory, Practice, Image -Nicole White, Ian Griffiths.

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|--|--|---|--------------------------------------|----------------------|---------------------------------|----------------------------------|------------------------|--------------------------------------|---------------|----------------------|
| Subject Code: HBFD22009 | | Subject Name: FABRIC EMBELLISHMENT | | | | C | L | T/S.Lr | P/ R | Ty/Lb/ ETP/I E |
| Prerequisite : Nil | | 4 | 3 | 1/0 | 0/0 | Ty | | | | |
| L : Lecture T : Tutorial P: Practical C: Credits | | | | | | | | | | |
| OBJECTIVES | | | | | | | | | | |
| <ul style="list-style-type: none"> • To learn about basic embroidery stitches. • To gain knowledge about the different embroidery stitches • To familiarize the woven textiles of India • To study about the printed and painted textiles of India. • To gain knowledge about dyed textiles of India. | | | | | | | | | | |
| COURSE OUTCOMES (COs) | | | | | | | | | | |
| Students completing this course were able to | | | | | | | | | | |
| CO1 | Learnt about basic embroidery stitches. | | | | | | | | | |
| CO2 | Gain knowledge about the different embroidery stitches | | | | | | | | | |
| CO3 | Familiarize the woven textiles of India | | | | | | | | | |
| CO4 | Study about the printed and painted textiles of India. | | | | | | | | | |
| CO5 | Gain knowledge about dyed textiles of India. | | | | | | | | | |
| Mapping of Course Outcome with Program Outcome (POs) | | | | | | | | | | |
| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | |
| CO1 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | |
| CO2 | 2 | 3 | 1 | 2 | 3 | 3 | 2 | 3 | 3 | |
| CO3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 2 | |
| CO4 | 2 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | |
| CO5 | 3 | 3 | 2 | 1 | 3 | 3 | 2 | 1 | 2 | |
| COs /PSOs | PSO-1 | | PSO-2 | | PSO-3 | | PSO-4 | | | |
| CO1 | 3 | | 3 | | 3 | | 3 | | | |
| CO2 | 2 | | 3 | | 2 | | 3 | | | |
| CO3 | 3 | | 2 | | 3 | | 2 | | | |
| CO4 | 2 | | 3 | | 2 | | 3 | | | |
| CO5 | 3 | | 2 | | 3 | | 2 | | | |
| 3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low | | | | | | | | | | |
| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others | |
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|------------------|-----------------------------|----------|----------|---------------|------------|
| HBFD22009 | FABRIC EMBELLISHMENT | C | L | T/S.Lr | P/R |
| | | 4 | 3 | 1 | 0 |

OBJECTIVES

- To learn about basic embroidery stitches.
- To gain knowledge about the different embroidery stitches
- To familiarize the woven textiles of India
- To study about the printed and painted textiles of India.
- To gain knowledge about dyed textiles of India.

UNIT -I: BASIC EMBROIDERY STITCHES

12 hrs

Running, Back, Whipped Back, Chain, Whipped Chain, Feather, Fly, Button Hole, Blanket, Cross, Stem, French Knot, Herring Bone, Chevron, Seed, Coral, Couching, Satin, Long and Short, Bullion Knot, Spider Wheel, Lazy Daisy, Fish Bone.

UNIT- II: EMBROIDERED TEXTILES OF INDIA

12 hrs

Phulkari of Punjab, Kantha of West Bengal, Chikankari of Uttar Pradesh, Kashida of Kashmir, Kasuti of Karnataka, Kutch embroidery of Gujarat, Chambal Rumal of Himachal Pradesh, Zardosi Embroidery.

UNIT- III: WOVEN TEXTILES OF INDIA

12 hrs

Brocades of Banaras, Paithani of Maharashtra, Bluchers of Bengal, Kanjeevaram Saris of Kanchipuram, Jamdani of Bengal, Chanderi of Madhya Pradesh.

UNIT –IV: PRINTED AND PAINTED TEXTILES OF INDIA

12 hrs

Kalamkari of Andhra Pradesh, Madhubani Paintings of Bihar, Sanganeri Printing of Rajasthan, Bagru Printing of Rajasthan, Ajrak Printing.

UNIT- V: DYED TEXTILES OF INDIA

12 hrs

Bandhini of Gujarat, Patola of Gujarat, Bandhas of Odisha, Bandhej and Lehariya of Rajasthan, Ikat Textiles of Andhra Pradesh.

TOTAL:60 Hrs

REFERENCE BOOKS:

1. Comdex fashion design volume I by Dr. Navneet Kaur.
2. Practical Clothing Construction Part – I By Mary Mathews.
3. Shailaja N, Traditional Embroideries of India., Mumbai APH Publishing.
4. Indian Embroidery by Jamila Brijbhushan.
5. Hand Book of Traditional Embroidery, Author Mary E Waring.

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|-----------------------------------|--|----------|----------|------------|------------|--------------------------|
| Subject Code: HBCC22002 | Subject Name: ENTREPRENURSHIP DEVELOPMENT | C | L | T/L | P/R | Ty/Lb/E TP/IE |
| | Prerequisite: Basic knowledge in entrepreneurship development | 3 | 3 | 0/0 | 0/0 | Ty |

L : Lecture, T : Tutorial, SLr : Supervised Learning, P: Project, R : Research, C : Credits, T/L/ETL :Theory / Lab / Embedded Theory and Lab

OBJECTIVES

1. To enrich the students towards the knowledge of entrepreneurial skills and to make the students understand the approaches to attain the goals of the business.
2. To recognize the value of problem solving, effective business management and entrepreneurial thinking to business development.
3. To identify the key factors and be able to apply the key entrepreneurial process – command and control, calculated risk-taking and opportunity recognition to business development

COURSE OUTCOMES (Cos)

Students completing this course Will be able to

| | |
|------------|---|
| CO1 | Provide information related to entrepreneurship |
| CO2 | Make students state the importance of entrepreneurial development |
| CO3 | State the importance of business idea generations |
| CO4 | Gain knowledge on various EDP organized by Government Sectors |
| CO5 | Provide them the nature of economic development and entrepreneurial growth. |

Mapping of Course Outcome with Program Outcome (POs)

| | | | | | | | | | |
|---------------|--------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sem VI | Coursecode: | | | | | | | | |
| | Programme Outcomes(Pos) | | | | | | | | |
| Cos | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
| CO1 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 2 | 3 |
| CO2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| CO3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 2 |
| CO4 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 2 | 3 |
| CO5 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 3 |

Sem -VI Programme Specific Outcomes(PSOs)

| | | | | |
|------------|-------------|-------------|-------------|-------------|
| Cos | PSO1 | PSO2 | PSO3 | PSO4 |
| CO1 | 3 | 3 | 2 | 3 |
| CO2 | 2 | 2 | 3 | 2 |
| CO3 | 3 | 3 | 2 | 3 |
| CO4 | 3 | 3 | 3 | 2 |
| CO5 | 3 | 2 | 3 | 3 |

3/2/1 Indicates Strength Of Correlation, 3 – High, 2- Medium, 1- Low

| | | | | | | | | | |
|-----------------|---------------------|-------------------------|--------------------------------------|----------------------|---------------------------------|----------------------------------|------------------------|---|---------------|
| Category | Program Core | Program Elective | Humanities and Social Science | Open Elective | Skill Enhancing Elective | Inter Disciplinary/Allied | Skill Component | Practical / Project / Internship | Others |
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|------------------|------------------------------------|----------|----------|------------|------------|
| HBCC22002 | ENTREPRENURSHIP DEVELOPMENT | C | L | T/L | P/R |
| | | 3 | 3 | 0/0 | 0/0 |

UNIT I: Concept of Entrepreneurship **9 hrs**
 Entrepreneurship - Meaning - Types - Qualities of an Entrepreneur - Classification of Entrepreneurs - Factors influencing Entrepreneurship - Functions of Entrepreneurs.

UNIT II: Entrepreneurial Development Agencies. **9 hrs**
 Commercial Banks - District Industries Centre - National Small Industries Corporation
 Small Industries Development Organization - Small Industries Service Institute. All India Financial Institutions.SIPCOT and its objectives. MSME Sector and its coverage Objectives of Ministry of MSME.Role and Functions of MICRO Small and Medium Enterprises - Development Organization (MSME - DO) - Objectives of SIDCO - Functions of Tamil Nadu SIDCO - IRBI and its Role. NABARD and its role in the Rural Development of India - Introduction to Micro Units Development Refinance Agency (MUDRA)

UNIT III: Project Management **9 hrs**
 Business idea generation techniques - Identification of Business opportunities – Feasibility study - Marketing, Finance, Technology AND Legal Formalities - Preparation of Project Report- Tools of Appraisal.

UNIT IV - Entrepreneurial Development Programmes **9 hrs**
 Entrepreneurial Development Programmes (EDP) - Role, relevance and achievements – Role of Government in organizing EDPs- Critical evaluation

UNIT V - Economic Development and Entrepreneurial growth **9 hrs**
 Role of Entrepreneur in Economic growth - Strategic approaches in the changing Economic scenario for small scale Entrepreneurs - Networking, Niche play, Geographic Concentration, Franchising / Dealership - Development of Women Entrepreneurship. Self-help groups and empowerment of Women in India - Financing SHG and their role in Micro-financing. Financial inclusion and its penetration in India, Challenges and Government role in Financial inclusion–PradhanMantri Jan-DhanYojana - Six Pillars of Its Mission objectives

TOTAL: 45 HRS

Books for Study :

1. Saravanavel, P. Entrepreneurial Development, Principles, Policies and Programmes, EssPee Kay Publishing House - 1997, Chennai.
2. Tulsian, P.C AND Vishal Pandey, Business Organization and Management, Pearson Education India, 2002, Delhi.

Books for Reference :

1. Janakiram, B, and Rizwana, M, Entrepreneurship Development, Text and Cases, Excel Books India, 2011, Delhi.
2. Arun Mittal AND Gupta, S.L - Entrepreneurship Development, International Book HousePvt. Ltd, 2011, Mumbai.
3. Anil Kumar, S, Poornima, S, Abraham, K, Jayashree, K - Entrepreneurship Development, Newage International (P) Ltd, 2012, Delhi
4. Gupta C B and Srinivasan NP, Entrepreneurial Development.

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|-----------------------------------|----------------------------------|----------|----------|------------|------------|----------------------|
| Subject Code: HBFD22L09 | Subject Name: FASHION CAD | C | L | T/S.Lr | P/ R | Ty/Lb/ ETP/I E |
| | Prerequisite: Nil | 2 | 0 | 0/0 | 3/0 | Lb |

L : Lecture T : Tutorial P: Practical C: Credits

OBJECTIVES

- To introduce basic tools in designing software.
- To introduce Students about the application of elements.
- To learn to apply principles of design using design software.
- To learn different style of garments for men and women.
- To create a visiting card and invitation using design software

COURSE OUTCOMES (COs)

Students completing this course were able to

| | |
|------------|--|
| CO1 | Gain knowledge about basic tools in designing software. |
| CO2 | Introduce Students about the application of elements |
| CO3 | Learnt to apply principles of design using design software |
| CO4 | Learnt different style of garments for men and women. |
| CO5 | create a visiting card and invitation using design software. |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 2 | 2 | 3 | 2 | 3 | 3 | 2 | 3 |
| CO2 | 2 | 3 | 2 | 1 | 2 | 3 | 3 | 3 | 3 |
| CO3 | 1 | 3 | 1 | 3 | 3 | 2 | 3 | 3 | 2 |
| CO4 | 3 | 1 | 2 | 3 | 1 | 3 | 3 | 2 | 3 |
| CO5 | 2 | 3 | 2 | 3 | 3 | 2 | 2 | 3 | 3 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 |
|------------|-------|-------|-------|-------|
| CO1 | 3 | 3 | 2 | 3 |
| CO2 | 2 | 2 | 3 | 2 |
| CO3 | 3 | 3 | 2 | 3 |
| CO4 | 2 | 2 | 3 | 3 |
| CO5 | 3 | 3 | 2 | 3 |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|---------------------------|-----------------|-------------------------------|--------|
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|------------------|--------------------|----------|----------|---------------|------------|
| HBFD22L09 | FASHION CAD | C | L | T/S.Lr | P/R |
| | | 2 | 0 | 0 | 3 |

LIST OF EXPERIMENTS:

1.Application of types of Design in Garments-Structural Design, Decorative Design, Geometrical Design, Abstract Design

2.Application of Color Harmony in Designing Garments –Monochromatic Colour harmony, Analogous Color harmony, Single Complementary Colour harmony, Double Complementary Colour harmony, Triad Complementary Colour harmony, Neutral Colour harmony.

3.Application of Elements of Design in Garments-Line, Size, Shape, Colour.

4.Application of Principles of Design in Garment-Balance, Rhythm, Emphasis, Harmony, Proportion

5. Design Garments for the following

1. Party Wear- Men and Women Garments
2. Casual Wear- Men and Women Garments
3. Sports Wear- Men and Women Garments

6.Create a design using Photoshop Software, create visiting Cards invitation and certificate using Image Mixing

TOTAL:45 Hrs

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|-----------------------------------|----------------------------------|----------|----------|------------|------------|--------------|
| Subject Code: HBFD22I02 | Subject Name: DRAPING LAB | C | L | T/S.Lr | P/R | Ty/Lb/ETP/IE |
| | Prerequisite: Nil | 1 | 0 | 0/0 | 2/0 | IE |

L : Lecture T : Tutorial P: Practical C: Credits

OBJECTIVES

- To gain the knowledge regarding basic equipment
- To understand the method of Draping
- To learn draping techniques of different components of a garments
- To develop patterns through Draping.
- To skill about Basic Fashion Draping

COURSE OUTCOMES (CO's)

Students completing this course were able to

| | |
|------------|---|
| CO1 | Gain the knowledge regarding basic equipment. |
| CO2 | Understood the method of Draping. |
| CO3 | Learnt draping techniques of different components of a garment. |
| CO4 | Develop patterns through Draping. |
| CO5 | Learnt skill about Basic Fashion Draping. |

Mapping of Course Outcome with Program Outcome (PO's)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| CO2 | 2 | 3 | 3 | 2 | 1 | 3 | 2 | 1 | 2 |
| CO3 | 3 | 3 | 3 | 1 | 3 | 2 | 3 | 3 | 3 |
| CO4 | 2 | 1 | 2 | 3 | 2 | 1 | 3 | 2 | 1 |
| CO5 | 3 | 3 | 3 | 2 | 2 | 3 | 1 | 3 | 2 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 | | |
|------------|-------|-------|-------|-------|--|--|
| CO1 | 3 | 3 | 2 | 3 | | |
| CO2 | 2 | 2 | 3 | 3 | | |
| CO3 | 3 | 2 | 2 | 3 | | |
| CO4 | 2 | 3 | 3 | 2 | | |
| CO5 | 3 | 2 | 2 | 2 | | |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|---------------------------|-----------------|-------------------------------|--------|
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|------------------|--------------------|----------|----------|---------------|------------|
| HBFD22I02 | DRAPING LAB | C | L | T/S.Lr | P/R |
| | | 1 | 0 | 0 | 2 |

LIST OF EXPERIMENTS:

1. Introduction to Draping and Dress Forms. Preparation of Fabrics.
2. Basic Bodice – Marking and Truing Bodice Variations- Surplice Front Halter Princess Bodice and Variation.
3. Dart Manipulation – Underarm Dart, French Dart, Double French Dart and Variations
4. Cowls – Basic Front and Back Cowl, Butterfly Twist.
5. Yokes and Midriffs- Bodices Yoke, Hip Yoke, Fitted Midriff.
6. Basic Skirt and Variations – Flared Skirt, Peg Skirt. Princess Dresses – Joining Skirt to the Bodice.
7. Design and Construct a Final Garment Applying Draping Method.

TOTAL:30 Hrs

REFERENCE BOOKS:

- 1.Draping for Fashion Design: Nurie Relis/ Hilde Jaffe, Reston Publishing Co.
2. Designs Cutting and Draping for Special Occasion Clothes: For Evening Wear and Party Wear, Drawn Cloak, Chryssalis

SEMESTER-VI

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|-----------------------------------|---|----------|----------|------------|------------|----------------------|
| Subject Code: HBFD22010 | Subject Name: FASHION PRESENTATION | C | L | T/S.Lr | P/ R | Ty/Lb/ ETP/I E |
| | Prerequisite : Nil | 4 | 3 | 1/0 | 0/0 | Ty |

L : Lecture T : Tutorial P: Practical C: Credits

OBJECTIVES

- To acquire basic knowledge to create survey boards.
- To understand theme-based illustrations.
- To understand about the Fashion accessory designing with varied materials.
- To gain the Knowledge about the different hairstyles.
- To familiarize Students with the basic aspects of fashion show

COURSE OUTCOMES (CO's)

Students completing this course were able to

| | |
|------------|---|
| CO1 | Acquire basic knowledge to create survey boards. |
| CO2 | Understood theme-based illustrations. |
| CO3 | Learnt about the Fashion accessory designing with varied materials. |
| CO4 | Gain the Knowledge about the different hairstyles. |
| CO5 | Familiarize Students with the basic aspects of fashion show |

Mapping of Course Outcome with Program Outcome (PO's)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 |
| CO2 | 3 | 2 | 3 | 3 | 3 | 1 | 2 | 1 | 3 |
| CO3 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 2 | 2 |
| CO4 | 3 | 2 | 3 | 2 | 3 | 2 | 2 | 3 | 3 |
| CO5 | 2 | 1 | 2 | 3 | 1 | 3 | 3 | 3 | 2 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 | | |
|------------|-------|-------|-------|-------|--|--|
| CO1 | 3 | 3 | 2 | 3 | | |
| CO2 | 2 | 3 | 3 | 3 | | |
| CO3 | 3 | 2 | 3 | 2 | | |
| CO4 | 2 | 3 | 2 | 3 | | |
| CO5 | 3 | 3 | 3 | 2 | | |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
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|------------------|-----------------------------|----------|----------|---------------|------------|
| HBFD22010 | FASHION PRESENTATION | C | L | T/S.Lr | P/R |
| | | 4 | 3 | 1 | 0 |

OBJECTIVES

- To acquire basic knowledge to create survey boards.
- To understand theme-based illustrations.
- To understand about the Fashion accessory designing with different materials.
- To gain the Knowledge about the different hairstyles.
- To familiarize Students with the basic aspects of fashion show.

UNIT- I: CREATING SURVEY BOARDS

12hrs

Creating Survey Boards. Creating Mood Boards - Its Application in Designing Costumes. Theme Board. Client Boards –Story Board. Swatch Boards - colour board- accessory board.

UNIT- II: CREATING LINES

12hrs

Creating Lines - Lines with Similar Themes, Similar Fabrics and Similar Surface Ornamentation. Collage Work - Collage on Dress, and Use of Collage in Fashion Illustration. Theme Based Illustrations

UNIT- III: FASHION ACCESSORY DESIGNING

12hrs

Fashion Accessory Designing - Designing and Illustrating Jewellery - Using Various Mediums like Pearls, Beads, Gold and Silver, Diamonds, Wires, Flowers, etc. Designing and Illustrating Head Gears - Using Various Mediums like Leather, Pearls, Beads, Wires, Velvet, Net, etc.

UNIT- IV: DESIGNING

12 hrs

Designing and Illustrating Belts Using Various Mediums like Leather, Pearls, Beads, Gold and Silver, Wires, Macramé etc. - Designing and Illustrating Foot Wear of all Types Using Different Mediums - Designing and Illustrating Bows and Ties on Different Dresses. Illustrating Different Hairstyles.

UNIT- V:DESIGN STUDIO

12hrs

Designing Dresses Based on Different Themes for a Fashion Show - Study of The Basic Aspects of a Fashion Show- the Background, the Lights, the Ramp, the Accessories, the Make-Up, the Fabric, Surface Ornamentation, etc. - Designing and Illustrating Lines for a Fashion Show.

TOTAL:60 Hrs

REFERENCE BOOKS:

1. Fashion Terminology, Joane E. Blair, Prentice Hall, 1992.
2. Fashion Design: Process, Innovation and Practice, Kathryn McKelvey, Janine Munslow John Wiley Sons, 2011.
3. Fashion Design: The Complete Guide, John Hopkins, AANDC Black, 2012.
4. Fashion Portfolio Design + Presentation- Anna Kiper- 2016

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|-----------------------|--|----------|----------|------------|------------|---------------------|
| Subject Code : | Subject Name UNIVERSAL HUMAN VALUES | C | L | T/L | P/R | Ty/Lb/ETP/IE |
| HBCC22ET1 | Prerequisite : None | 3 | 2 | 0/0 | 2/0 | ETP |

L : Lecture T : Tutorial SLr : Supervised Learning P: Project R : Research C : Credits
Ty/Lb/ETL : Theory / Lab / Embedded Theory and Lab

OBJECTIVES :

- Describe meaning, purpose, and relevance of universal human values.
- Understand the importance of values in individual, social, career, and national life.
- Learn from lives of great and successful people who followed and practiced human values and achieved self-actualization.
- Understand and practice professional ethics with the goal for the universal wellness

COURSE OUTCOMES (COs) :

Students completing the course were able to

| | |
|-----|---|
| CO1 | Become conscious practitioners of values |
| CO2 | Realize their potential as human beings and conduct themselves properly in the ways of the world. |
| CO3 | Develop integral life skills with values |
| CO4 | Inculcate and practice them consciously to be good human beings. |
| CO5 | Practice professional ethics with the goal for the universal wellness |

Mapping of Course Outcomes with Program Outcomes (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|----------|------|------|------|------|------|------|------|-----|-----|
| CO1 | 3 | 2 | 1 | 3 | 3 | 2 | 3 | 2 | 2 |
| CO2 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 3 |
| CO3 | 1 | 3 | 2 | 2 | 1 | 3 | 1 | 3 | 2 |
| CO4 | 2 | 2 | 1 | 2 | 2 | 2 | 3 | 1 | 3 |
| CO5 | 2 | 3 | 2 | 3 | 3 | 1 | 2 | 2 | 1 |
| COs/PSOs | PSO1 | PSO2 | PSO3 | PSO4 | PSO5 | PSO6 | PSO7 | | |
| CO1 | 3 | 3 | 3 | 2 | | | | | |
| CO2 | 2 | 2 | 3 | 3 | | | | | |
| CO3 | 3 | 3 | 3 | 2 | | | | | |
| CO4 | 3 | 3 | 2 | 3 | | | | | |
| CO5 | 2 | 3 | 2 | 3 | | | | | |

| Category | Program Core | Program Elective | Humanities and Social Science | Open Elective | Skill Enhancing Elective | Inter Disciplinary/ Allied | Skill Component | Practical / Project / Internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|----------------------------|-----------------|----------------------------------|--------|
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|---|--|----------|----------|-----------------|------------|------------------------------------|
| Subject Code : HBCC22ET1 | Subject Name UNIVERSAL HUMAN VALUES | C | L | T/ L | P/R | Ty/ Lb/ ETP /IE |
| | Prerequisite : None | 3 | 2 | 0/0 | 2/0 | ET P |

COURSE NAME: UNIVERSAL HUMAN VALUES

Unit 1 Love and Compassion:

Love and its forms: love for self, parents, family, friend, spouse, community, nation, humanity, nature and other beings—living and non-living. Love and compassion and inter-relatedness, Individuals who are remembered in history for love and compassion and what will learners gain if they practice love and compassion

Related activities: Sharing learner’s individual and/or group experience(s), community outreach program to manifest love and compassion toward people and nature, Simulated Situations, Case studies

UNIT 2:

Truth and Righteousness: Universal truth, truth as value (artha), truth as fact (satya), veracity, sincerity, honesty among others. Understanding righteousness, Righteousness and dharma, righteousness and propriety, Individuals who are remembered in history for practicing truth and righteousness and what will learners gain if they practice Truth and Righteousness

Sharing learner’s individual and/or group experience(s), exercises on ease with truth can be recalled consistently, Simulated Situations, Case studies

Unit 3:

Non-Violence and Peace; pre-requisites for non-violence- Love, compassion, empathy, and sympathy, Ahimsa as non-violence and non-killing, the impact of practicing non-Violence-Peace, harmony and balance, Individuals and organizations that are known for their commitment to non- violence and peace, and what will learners gain if they practice non-violence and work towards peace

Sharing learner’s individual and/or group experience(s), Simulated Situations, Case studies

Unit 4:

Renunciation (Sacrifice) Tyaga: Renunciation and sacrifice, developing a balance between enjoyment and sacrifice, Bhoga(enjoyment) with tyagabhava and tyaga (Sacrifice) with bhogabhava is the root of all human and literary values, enjoying life and freedom with responsibility and What will learners learn/gain if they practice renunciation and sacrifice

Social outreach programs for sharing and caring experience, expressing gratitude, Sharing learner’s individual and/or group experience(s), Simulated Situations, Case studies

Unit 5:

Professional Ethics: Understanding Acceptance of human values and Ethical Human Conduct, Basis for Humanistic Education, Humanistic Constitution and Humanistic Universal Order, Developing Competence in professional ethics and practicing it, to utilize the professional competence for augmenting universal human order and create people friendly eco-friendly identify the scope and characteristics of people friendly and eco-friendly systems for the wellness of the universe as a whole.

Exercises to propagate people friendly eco-friendly activities both creative and functional, Brain storming, Sharing learner's individual and/or group experience(s), Simulated Situations, Case studies

References and Suggested Readings:

- 1.Human Values and Professional Ethics by R R Gaur, R Sangal, G P Bagaria, Excel Books, New Delhi, 2010
- The Story of My Experiments with Truth - by Mohandas Karamchand Gandhi
- 2.Basham, A.L. 1954. The Wonder That Was India. London: Picador Press.
- 3.Basu, D.D. 2015. Workbook on the Constitution of India, Paperback Edition. Nagpur: Lexisnexis.
- 4.Ghosh, Sri Aurobindo. 1998. The Foundations of Indian Culture. Pondicherry: Sri Aurobindo Ashram.
- 5.Joshi, Kireet. 1997. Education for Character Development. Delhi: Dharam Hinduja Centre of Indic Studies.
- 6.Milton, Rokeach. 1973. The Nature of Human Values. New York: The Free Press.
- 7.Mookerji, Radha K. 1989. Ancient Indian Education. Delhi: Motilal Banarasisidass
- 8.Saraswati, Swami Satyananda .2008. Asana Pranayama Mudra Bandha. Munger, India: Bihar School of Yoga.

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|-----------------------------------|--|----------|----------|------------|-------------|----------------------|
| Subject Code: HBFD22L10 | Subject Name: PROJECT- FASHION PORTFOLIO PRESENTATION | C | L | T/S.Lr | P/ R | Ty/Lb/ ETP/I E |
| | Prerequisite: Nil | 9 | 0 | 0/0 | 18/0 | Lb |

L: Lecture T: Tutorial P: Practical C: Credits

OBJECTIVES

- To acquire basic knowledge to create portfolio.
- To make a design collection by utilizing all designing and technical skills.
- To Understand about sourcing different fabrics.
- To Gain the Knowledge about the fashion show.
- To create a portfolio for exhibiting the design collection in a creative manner

COURSE OUTCOMES (CO's)

Students completing this course were able to

| | |
|------------|---|
| CO1 | Select themes to get inspiration design ideas and colors. |
| CO2 | Create mood board, story board and Color boards. |
| CO3 | Develop designs for selected season and theme with appropriate colors by flat sketches. |
| CO4 | Understand about fashion season and fashion trends. |
| CO5 | Construct the designed garments with suitable fabric, proper fit and good aesthetic appeal. |

Mapping of Course Outcome with Program Outcome (PO's)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-------|-------|-------|-------|-----|-----|-----|-----|-----|
| CO1 | 3 | 3 | 3 | 3 | 1 | 2 | 3 | 3 | 3 |
| CO2 | 3 | 2 | 1 | 3 | 3 | 3 | 2 | 3 | 3 |
| CO3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 1 | 2 |
| CO4 | 1 | 2 | 3 | 1 | 3 | 2 | 3 | 3 | 3 |
| CO5 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 |
| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 | | | | | |
| CO1 | 3 | 3 | 2 | 3 | | | | | |
| CO2 | 2 | 3 | 3 | 3 | | | | | |
| CO3 | 3 | 3 | 3 | 2 | | | | | |
| CO4 | 2 | 3 | 3 | 3 | | | | | |
| CO5 | 3 | 3 | 3 | 2 | | | | | |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|---------------------------|-----------------|-------------------------------|--------|
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|------------------|--|----------|----------|---------------|------------|
| HBFD22L10 | PROJECT- FASHION PORTFOLIO PRESENTATION | C | L | T/S.Lr | P/R |
| | | 9 | 0 | 0 | 18 |

- Select themes to get inspiration design ideas and colors.
- Create mood board, story board and Color boards.
- Develop designs for selected theme.
- Illustrate Flat Sketches with appropriate colors.
- Construct the designed garments with suitable fabric, proper fit.

SEMESTER- VII

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|--|--|---|---|--------|-----|----------------------|
| Subject Code: HBCC22003 | Subject Name : Research Methodology | C | L | T/S.Lr | P/R | Ty/Lb /ETP/ IE |
| | Prerequisite : None | 3 | 3 | 0/0 | 0/0 | Ty |

L : Lecture T : Tutorial SLr : Supervised Learning P : Project R : Research C: Credits
T/L/ETL : Theory / Lab / Embedded Theory and Lab

OBJECTIVES:

- Design and formulation of research problem.
- Analyze research related information and statistical methods in research.
- Carry out research problem individually in a perfect scientific method
- Understand the filing patent applications processes, Patent search, and various tools of IPR, Copyright, and Trademarks.

COURSE OUTCOMES (Cos) : (3 – 5)

Students completing the course were able to

| | |
|------------|---|
| CO1 | Design and Formulation of research problem. |
| CO2 | Analyze research related information and statistical methods in research. |
| CO3 | Carry out research problem individually in a perfect scientific method |
| CO4 | Understand Patent Filing application Process. |
| CO5 | Patent Search and various tools used. |

Mapping of Course Outcomes with Program Outcomes (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| CO1 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| CO2 | 3 | 2 | 1 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 3 |
| CO3 | 3 | 3 | 2 | 1 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 1 |
| CO4 | 3 | 3 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 3 | 2 | 2 |
| CO5 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 3 |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program Elective | Humanities and Social Science | Open Elective | Skill Enhancing Elective | Inter Disciplinary/ Allied | Skill Component | Practical / Project / Internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|----------------------------|-----------------|----------------------------------|--------|
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|---|--|----------|----------|------------|------------|----------------------|
| Subject Code: HBCC22003 | Subject Name : Research methodology | C | L | T/S.L r | P/R | Ty/Lb /ETP/ IE |
| | Prerequisite : None | 3 | 3 | 0/0 | 0/0 | Ty |
| L : Lecture T : Tutorial SLr : Supervised Learning P : Project R : Research C: Credits | | | | | | |
| T/L/ETL : Theory / Lab / Embedded Theory and Lab | | | | | | |

Course objective:

- Learn the meaning of interpretation, techniques of interpretation, precautions is to be taken in interpretation for research process,
- Application of statistical methods in research.
- Learn intellectual property rights and its constituents.

Unit 1

9 hrs

Introduction to research, Definitions and characteristics of research, Types of Research, Research Process, Problem definition, Objectives of Research, Research Questions, Research design, Quantitative vs. Qualitative Approach, Building and Validating Theoretical Models, Exploratory vs. Confirmatory Research, Experimental vs. Theoretical Research, Importance of reasoning in research.

Unit 2

9 hrs

Problem Formulation, Understanding Modeling and Simulation, Literature Review, Referencing, Information Sources, Information Retrieval, Indexing and abstracting services, Citation indexes, Development of Hypothesis, Measurement Systems Analysis, Error Propagation, Validity of experiments, Statistical Design of Experiments, Data/Variable Types and Classification, Data collection, Numerical and Graphical Data Analysis: Sampling, Observation, Interpretation of Results.

Unit 3 (This Unit has to be handled by Mathematics Faculty)

9 hrs

Statistics: Probability and Sampling distribution, Estimation, Measures of central Tendency, Arithmetic mean, Median, Mode, Standard deviation, Co efficient of variation (Discrete serious and continuous serious), Hypothesis testing and application, Correlation and regression analysis, Orthogonal array, ANOVA, Standard error, Concept of point and interval estimation, Level of significance, Degree of freedom, Analysis of variance, one way and two way classified data, ‘F’ test.

Unit 4

9 hrs

Preparation of Dissertation and Research Papers, Tables and illustrations, Guidelines for writing the abstract, introduction, methodology, results and discussion, conclusion sections of a manuscript. References, Citation and listing system of documents.

Unit 5

9 hrs

Intellectual property rights (IPR) patents copyrights Trademarks Industrial design geographical indication. Ethics of Research Scientific Misconduct Forms of Scientific Misconduct. Plagiarism, Unscientific practices in thesis work, Ethics in science.

Total:45Hrs

Text Book:

1. K. S. Bordens, and B. B. Abbott, , “Research Design and Methods – A Process Approach”, 8th Edition, McGraw Hill, 2011.
2. C. R. Kothari, “Research Methodology – Methods and Techniques”, 2nd Edition, New Age International Publishers

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|-----------------------------------|--|----------|----------|------------|------------|----------------------|
| Subject Code: HBFD22011 | Subject: TEXTILE WET PROCESSING | C | L | T/S.Lr | P/ R | Ty/Lb/ ETP/I E |
| | Prerequisite: Nil | 4 | 3 | 1/0 | 0/0 | Ty |

L: Lecture T: Tutorial P: Practical C: Credits

OBJECTIVES

- To impart knowledge about textile processing in terms of their origin and properties.
- To understanding of concept of Processing work.
- To characterize different processing equipment.
- To learn about the Dyeing and Printing technique.
- To identify the Processing methods and Knowing their Importance in clothing

COURSE OUTCOMES (CO's)

Students completing this course were able to

| | |
|------------|--|
| CO1 | Impart knowledge about textile processing in terms of their origin and properties. |
| CO2 | Understanding of concept of Processing work |
| CO3 | Characterize different processing equipment |
| CO4 | Learn about the Dyeing and Printing technique |
| CO5 | Apply knowledge of printing and its Techniques |

Mapping of Course Outcome with Program Outcome (PO's)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 3 | 3 | 2 | 3 | 1 | 3 | 3 | 2 |
| CO2 | 2 | 1 | 2 | 2 | 2 | 2 | 3 | 2 | 3 |
| CO3 | 3 | 2 | 3 | 3 | 1 | 3 | 2 | 3 | 2 |
| CO4 | 1 | 3 | 2 | 2 | 3 | 2 | 3 | 2 | 3 |
| CO5 | 2 | 3 | 3 | 3 | 2 | 3 | 1 | 3 | 3 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 | | |
|------------|-------|-------|-------|-------|--|--|
| CO1 | 2 | 3 | 3 | 3 | | |
| CO2 | 3 | 3 | 2 | 3 | | |
| CO3 | 2 | 2 | 3 | 3 | | |
| CO4 | 3 | 3 | 2 | 2 | | |
| CO5 | 3 | 2 | 3 | 3 | | |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|---------------------------|-----------------|-------------------------------|--------|
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|------------------|-------------------------------|----------|----------|---------------|------------|
| HBFD22011 | TEXTILE WET PROCESSING | C | L | T/S.Lr | P/R |
| | | 4 | 3 | 1 | 0 |

OBJECTIVES

- To impart knowledge about textile processing in terms of their origin and properties.
- To understanding of concept of Processing work
- To characterize different processing equipment
- To learn about the Dyeing and Printing technique
- To identify the Processing methods and Knowing their Importance in clothing

UNIT-I: WET PROCESSING

12 hrs

Sequence of textile fabrics Production sequence of textile fabrics - flow chart - Brief description on Finishes-Classification of finishes -Importance of finishes -Fabric Preparation- Singeing, Desizing, scouring, Bleaching (different methods), mercerizing (different methods), Carbonizing.

UNIT-II: AESTHETIC FINISHES

12 hrs

Aesthetic finishes. Aesthetic finishes: Lustre - glazed, moire, embossed. Drape - crisp and transparent, sizing, weighting. Texture - embossed, pleated, flocked, embroidered, napped, Special purpose finishes: shrinkage control -different methods, Shape retention methods, wrinkle free finishes.

UNIT-III: COMFORT FINISHES

12 hrs

Comfort related finishes Comfort related finishes - water repellent finishes, pilling resistance, Abrasion resistant biological control finishes - moth and mildew control Safety related finishes - flame retardant Environmental problems in the finishing and dyeing Industry Effluent treatment of water -methods and process involved.

UNIT- IV: DYES

12 hrs

Dyeing - dyes - classification, properties and of dyes, direct, vat; reactive, acid, basic, azoic dyes Vegetable dyes - types and colours commonly used, significance of vegetable dyes, Stages of dyeing - fibre, yarn, fabric and garment - process involved, advantages and limitations.

UNIT –V: DYEING METHODS

12 hrs

Dyeing Techniques Methods of dyeing: Batch dyeing - winch, jig, padding. Package dyeing, Combination dyeing, Machines used and process involved Fastness properties of fabrics - water, sunlight etc.

TOTAL: 60 Hrs

REFERENCE BOOKS:

1. Sara J Radolph and Anna L Langford Textiles, (2002) - Ninth Edition Prentice hall, New Jersey
2. J L Smith, Textile Processing (2003), Abhishek Publications, Chandigarh
3. Peters R, Textile Chemistry (1970), Vol I, Textile Institute Manchester
4. Shenai V, Technology of Textile Processing (1981) Vol III, V, VI, VIII,
5. Lewis D M-1990, Lewis D M, SDC Publications England Publications, Bombay

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|-----------------------------------|---------------------------------|----------|----------|------------|------------|----------------------|
| Subject Code: HBFD22012 | Subject: TEXTILE TESTING | C | L | T/S.Lr | P/ R | Ty/Lb/ ETP/I E |
| | Prerequisite: Nil | 4 | 3 | 1/0 | 0/0 | Ty |

L: Lecture T: Tutorial P: Practical C: Credits

OBJECTIVES

- To identify the Importance of testing and its standards.
- To impart the knowledge of testing process and instruments
- To learn the details of machineries involved in yarn testing Process
- To provide the Knowledge about fabric testing
- To gain knowledge about fabric testing methods

COURSE OUTCOMES (CO's)

Students completing this course were able to

| | |
|------------|---|
| CO1 | Identify the Importance of testing and its standards. |
| CO2 | Impart the knowledge of testing process and instruments |
| CO3 | Learn the details of machineries involved in yarn testing Process |
| CO4 | Provide the Knowledge about fabric testing |
| CO5 | Gain knowledge about fabric testing methods. |

Mapping of Course Outcome with Program Outcome (PO's)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 2 | 3 | 3 | 3 | 2 | 1 | 2 | 3 |
| CO2 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 |
| CO3 | 3 | 1 | 3 | 2 | 3 | 2 | 2 | 3 | 3 |
| CO4 | 1 | 2 | 1 | 3 | 2 | 3 | 3 | 3 | 2 |
| CO5 | 2 | 3 | 3 | 2 | 3 | 1 | 3 | 2 | 3 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 | | |
|------------|-------|-------|-------|-------|--|--|
| CO1 | 3 | 3 | 2 | 3 | | |
| CO2 | 2 | 3 | 3 | 2 | | |
| CO3 | 3 | 2 | 3 | 3 | | |
| CO4 | 3 | 3 | 2 | 2 | | |
| CO5 | 2 | 3 | 3 | 3 | | |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|---------------------------|-----------------|-------------------------------|--------|
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|------------------|------------------------|----------|----------|---------------|------------|
| HBFD22012 | TEXTILE TESTING | C | L | T/S.Lr | P/R |
| | | 4 | 3 | 1 | 0 |

OBJECTIVES

- To identify the Importance of testing and its standards.
- To impart the knowledge of testing process and instruments.
- To learn the details of machineries involved in yarn testing Process.
- To provide the Knowledge about fabric testing.
- To gain knowledge about fabric testing methods.

UNIT- I: QUALITY CONTROL: DEFINITION AND ITS IMPORTANCE **12 hrs**

Humidity: Definition and its influence on fiber properties Standard atmospheric condition, Standard testing atmosphere. Standards regain, Moisture content and regain. Measurement of atmospheric condition – wet and dry bulb Hygrometer and sling Hygrometer.

UNIT -II: FIBRE TESTING **12 hrs**

Fiber Testing: Fiber length – Baer sorter and Fibrograph, Fiber strength – Stelometer, Fiber fineness – Micronaire, Fiber maturity, Trash content - determination – Trash analyzer.

UNIT- III-: YARN TESTING **12 hrs**

Yarn testing: Determination of yarn count – quadrant, Analytical and Beesley balance. Twist – Direction of twist and amount of twist, Twist effect on fabric properties. Strength of Yarn- Single yarn strength tester. Crimp – Shirley crimp tester. Yarn appearance tester. Evenness – Uster Evenness tester, Hairiness – Uster Hairiness tester.

UNIT –IV: FABRIC TESTING **12 hrs**

Fabric Testing: Fabric strength tester – Tensile strength, tearing strength and bursting strength. Abrasion – Types of abrasion – pilling – Martindale pill box tester.

UNIT- V: FABRIC TESTING **12 hrs**

Drape – Drape meter, Fabric stiffness - Shirley stiffness Tester, crease recovery –Shirley crease recovery tester. Thermal conductivity, water absorbency test, Sinking test.

TOTAL: 60 HRS

REFERENCE BOOKS:

1. Principles of textile testing by J.E. Booth., C.B.S., publishers and distributors, New Delhi, 1996.
- 2.Mishra S.P and Kesavan B.K, “Fibre Science”, Kumarapalayam, S.S.M. Institute of Textile Technology.
- 3.Textile Testing by P. Anaplan, S.S.M. Polytechnic College, Kumarapalayam

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|-----------------------------------|------------------------------------|----------|----------|------------|------------|----------------------|
| Subject Code: HBFD22013 | Subject: TEXTILE MANAGEMENT | C | L | T/S.Lr | P/ R | Ty/Lb/ ETP/I E |
| | Prerequisite: Nil | 4 | 3 | 1/0 | 0/0 | Ty |

L: Lecture T: Tutorial P: Practical C: Credits

OBJECTIVES

- To impart the knowledge of Textile Management.
- To provide an insight into the aspects of supporting institutions.
- To learn the details of departments in textile Industry.
- To provide the Knowledge about factory design and layout.
- To learn the Importance of documentation and its process.

COURSE OUTCOMES (CO's)

Students completing this course were able to

| | |
|------------|---|
| CO1 | Impart the knowledge of Textile Management. |
| CO2 | Provide an insight into the aspects of supporting institutions. |
| CO3 | Learn the details of departments in textile Industry. |
| CO4 | Provide the Knowledge about factory design and layout. |
| CO5 | Learn the Importance of documentation and its process. |

Mapping of Course Outcome with Program Outcome (PO's)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 2 | 3 | 3 | 2 | 2 | 3 | 2 | 1 |
| CO2 | 2 | 3 | 2 | 1 | 3 | 1 | 3 | 2 | 3 |
| CO3 | 3 | 2 | 3 | 3 | 2 | 3 | 2 | 3 | 3 |
| CO4 | 2 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 2 |
| CO5 | 3 | 1 | 3 | 3 | 1 | 2 | 1 | 2 | 3 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 | | |
|------------|-------|-------|-------|-------|--|--|
| CO1 | 2 | 3 | 2 | 3 | | |
| CO2 | 3 | 2 | 3 | 3 | | |
| CO3 | 2 | 3 | 3 | 2 | | |
| CO4 | 3 | 3 | 2 | 3 | | |
| CO5 | 3 | 3 | 3 | 2 | | |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|---------------------------|-----------------|-------------------------------|--------|
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|------------------|---------------------------|----------|----------|---------------|------------|
| HBFD22013 | TEXTILE MANAGEMENT | C | L | T/S.Lr | P/R |
| | | 4 | 3 | 1 | 0 |

OBJECTIVES

- To impart the knowledge of Textile Management.
- To provide an insight into the aspects of supporting institutions.
- To learn the details of departments in textile Industry.
- To provide the Knowledge about factory design and layout.
- To learn the Importance of documentation and its process.

UNIT-I- ENTREPRENEURSHIP INTRODUCTION 12 hrs

Entrepreneurship- Meaning definition and types, need for Entrepreneurs, qualities and types of Entrepreneurship. Difference between Entrepreneur and manager. Management- Definition - Management as a process –Planning, organizing, Directing Controlling, Co- ordination.

UNIT-II: INSTITUTIONS SUPPORTING ENTREPRENEURS 12 hrs

Institutions supporting entrepreneurs- DIC, NSIC, SISI, SIPCOT, TII, KVIC, CODISSIA, COMMERCIALBANKS–SBI. Organizational structure of a garment unit –Hierarchical organization, production planning and control.

UNIT-III: DEPARTMENTS IN GARMENT UNIT 12 hrs

Different department in a garment unit – Design department, Finance department, purchasing department, Production department, organizing different sections – hierarchy Personnel involved in all the departments, nature of the job.

UNIT-IV: FACTORY DESIGN AND LAYOUT 12 hrs

Factory Design and layout – importance of factory design, factors affecting factory design, Types of buildings, (single and Multi –store) –advantages and limitation. Factory layout – Process, Product and combined layout Design requirement – requirements relating to health, safety and welfare

UNIT-V: EXPORT DOCUMENTATION 12 hrs

Garment Export Performance of Indian Garment Export, SWOT Analysis Setting up of garment unit for export market, Export Document, Export finance- Payment method, Export shipping Role of merchandiser in a garment unit

TOTAL: 60 HRS

REFERENCE BOOKS:

1. Dinakarpagare, sultan Chand and sons, Principles of management, Delhi.
2. Dr. C.B Gupta, Dr N.P. Srinivasan, sultan Chand and sons, Entrepreneurship Development in India (1997) –Delhi.
3. Darliess O Koshy, Garment Exports – (1997)
4. AJ Chester, Introduction to clothing production management (1998) –2nd Edition, Wren bury Associates Ltd.
5. Harold Carr and Barbara Latham, The technology of clothing manufacture (1994)–Blackwell Science.

SEMESTER- VIII

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| | | | | | | | | | | | | |
|--|---|-------------------------|--------------------------------------|----------------------|---------------------------------|-------------------------|------------------------|---|--------------------------|-------------|-----------------------|-------------|
| Subject Code: HBCC22004 | Subject Name: START UP STRATAGIES | | | | | | C | L | T/S.L_r | P/R | Ty/Lb /ETP/ IE | |
| | Prerequisite: Nil | | | | | | 3 | 3 | 0/0 | 0/0 | Ty | |
| T/L/:Theory/LabL:LectureT:TutorialP:Practical/ProjectR:ResearchC:Credits | | | | | | | | | | | | |
| OBJECTIVE: . To understand new venture creation opportunities, its resources and requirements for Enterprise Start-up. | | | | | | | | | | | | |
| COURSEOUTCOMES(COs):The students will be able to | | | | | | | | | | | | |
| CO1 | Develop a start-up Enterprise with Big Idea Generation. | | | | | | | | | | | |
| CO2 | Analyze start-up capital requirement by analyzing legal factors. | | | | | | | | | | | |
| CO3 | Interpret feasibility Analysis towards funding issues. | | | | | | | | | | | |
| CO4 | Access growth stages in new venture and reasons for scaling ventures. | | | | | | | | | | | |
| CO5 | Evaluate financial stability and decide on expansion possibilities. | | | | | | | | | | | |
| Mapping of Course Outcomes with Program Outcomes(POs) | | | | | | | | | | | | |
| COs/Pos | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PSO1 | PSO2 | PSO3 |
| CO1 | 2 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | | | |
| CO2 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | | | |
| CO3 | 1 | 2 | 3 | 2 | 1 | 3 | 3 | 3 | 2 | | | |
| CO4 | 1 | 2 | 3 | 2 | 1 | 3 | 3 | 2 | 2 | | | |
| CO5 | 1 | 2 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | | | |
| 1/2/3indicatesStrength ofcorrelation1-High,2-Medium,3-Low | | | | | | | | | | | | |
| Category | Program Core | Program Elective | Humanities and Social Science | Open Elective | Skill Enhancing Elective | Inter Disciplina | Skill Component | Practical / Project / Internship | Others | | | |
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|---|--|----------|----------|------------------------|-----------------|---|
| Subject Code: HBCC22004 | Subject Name: START UP STRATAGIES | C | L | T/ SL r | P/ R | Ty/ Lb/ ET P/I E |
| | Prerequisite: Nil | 3 | 3 | 0 | 0 | Ty |
| T/L/:Theory/LabL:LectureT:TutorialP:Practical/ProjectR:ResearchC:Credits | | | | | | |

Unit I: Start-up opportunities:

9 hrs

The New Industrial Revolution - The Big Idea -Generate Ideas with Brainstorming- Business Start-up - Ideation- Venture Choices - The Rise of the startup Economy- The Six Forces of Change - The Start-up Equation- The Entrepreneurial Ecosystem- Entrepreneurship in India. Government Initiatives.

Unit II: Startup Capital Requirements and Legal Environment:

9 hrs

Identifying Startup capital Resources requirements- Estimating startup cash requirements- Develop financial assumptions- Constructing a Process Map- Positioning the venture in the value chain- Launch strategy to reduce risks- Startup financing metrics- The Legal Environment- Approval for New Ventures- Taxes or duties payable for new ventures.

Unit III: Startup Financial Issues: Feasibility Analysis-

9 hrs

The cost and process of raising capital- Unique funding issues of a high- tech ventures – Funding with Equity- Financing with Debt- Funding Startup with bootstrapping- crowd funding- strategic alliances.

Unit IV: Startup survival and Growth:

9 hrs

Stages of growth in a new venture- Growing with the market- Growth within the industry- Venture life patterns- Reasons for new venture failures- preparing for change- Leadership succession. Support for the growth and sustainability of the venture.

Unit V: Planning for Harvest and Exit:

9 hrs

Dealing with Failure: Bankruptcy, Exit Strategies- Selling the Business- Cashing out but staying in being- Going Public (IPO)- Liquidation.

Total:45 Hrs

Reference Books:

1. Kathleen R Allen, Launching New Ventures, An Entrepreneurial Approach, Cengage Learning 2016.
2. Anjan Raichaudhuri, Managing New Venture Concepts and Cases, Prentice Hall International 2010.
3. S. R. Bhowmika and M. Bhowmik, Entrepreneurship, New Age International, 2007.
4. Steven Fisher, Ja-nae Duane, The Startup Equation- A Visual Guidebook for Building your Startup, Indian Edition, Mc Graw Hill Education India Pvt. Ltd, 2016.
5. Donald F Kuratko, Jeffrey S. Hornsby, New Venture Management: The Entrepreneur's Road Map, 2e, Routledge,2017.
6. Vijay Sathe, Corporate Entrepreneurship, 1e, Cambridge, 2009

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|-----------------------------------|---|----------|----------|--------------------|------------|--------------------------|
| Subject Code: HBCC22005 | Subject Name: PRINCIPLES OF DIGITAL MARKETING | C | L | T/S. Lr | P/R | Ty/Lb/ ETP/IE |
| | Prerequisite: Nil | 3 | 3 | 0/0 | 0/0 | Ty |

L : Lecture T : Tutorial S.Lr : Supervised Learning P : Project R : Research C: Credits
Ty/Lb/ETL : Theory/Lab/Embedded Theory and Lab

OBJECTIVES:

- This course helps the students to understand the fundamental principles of Digital marketing, the past, present and future potential of Digital marketing.
- At the end of the course students will be able to identify the role of e-marketing in the present context and develop an e-marketing plan with appropriate e-marketing strategies.

COURSE OUTCOMES (COs) : (3- 5)

| | |
|-----|---|
| CO1 | Understand the concepts and uses of Digital Marketing |
| CO2 | Develop Strategic Planning for the Market |
| CO3 | Evaluate the Ethical and Legal Values |
| CO4 | Predict the Marketing Trends |

Mapping of Course Outcomes with Program Outcomes (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PSO1 | PSO2 | PSO3 |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| CO1 | 3 | 2 | 2 | 1 | 1 | 1 | 3 | 1 | 1 | | | |
| CO2 | 3 | 2 | 1 | 2 | 2 | 2 | 3 | 2 | 1 | | | |
| CO3 | 2 | 2 | 2 | 1 | 2 | 2 | 3 | 3 | 2 | | | |
| CO4 | 2 | 2 | 2 | 3 | 3 | 2 | 3 | 1 | 2 | | | |

H/M/L indicates Strength of Correlation 3- High, 2- Medium, 1-Low

| Category | Program Core | Program Elective | Humanities and Social Science | Open Elective | Skill Enhancing Elective | Inter Disciplinary/Allied | Skill Component | Practical / Project / Internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|---------------------------|-----------------|----------------------------------|--------|
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| Subject Code | Subject Name | C | L | T/S.Lr | P/R | Ty/Lb/ETP/IE |
|------------------|--|----------|----------|------------|------------|--------------|
| HBCC22005 | PRINCIPLES OF DIGITAL MARKETING | | | | | |
| | | 3 | 3 | 0/0 | 0/0 | Ty |

OBJECTIVES:

- This course helps the students to understand the fundamental principles of Digital marketing, the past, present and future potential of Digital marketing.
- At the end of the course students will be able to identify the role of e-marketing in the present context and develop an e-marketing plan with appropriate e-marketing strategies.

UNIT I: INTRODUCTION

9 hrs

Digital-Marketing Past, Present AND Future – Digital-Marketing Landscape, Digital-marketing’s Past - Web 1.0, Digital Marketing Present - Web 2.0, Future -Web 3.0, Strategic Digital-Marketing, and Digital -Business Models – Online Revenue Models, Value Models, and Strategic Digital-Business Models.

UNIT II: DIGITAL MARKETING PLAN

9hrs

Process, Creating a Digital-Marketing Plan, Seven Steps –Situation Analysis, Strategic Planning, Objectives, Digital-Marketing Strategies – Product, Price, Distribution, Communication, Relationship Management; Implementation plan, Budget, Evaluation.

UNIT III: DIGITAL -MARKETING ENVIRONMENT

9 hrs

Overview of Digital-Marketing Environment, Global Digital -Markets, Wireless Internet Access, Digital divide, Building inclusive Digital markets, social networking, Ethical and Legal Issues – Overview, Digital Property, Emerging issues.

UNIT IV: DIGITAL-MARKETING MANAGEMENT

9hrs

Online offer – Creating customer value online, Product Benefits, Digital Marketing enhanced product development, Payment options, Pricing Strategies; Internet as distribution, Digital Marketing Communication – Owned Media, paid media, Earned Media.

UNIT V: EMERGING TRENDS

9 hrs

Emerging trends in Digital-marketing, Content Marketing, Social Media Marketing, Email Marketing, Affiliate Marketing, Video Marketing, Mobile Marketing, Interactive advertising, International Online Marketing, Search Engine Marketing, Online Partnership, Viral Marketing, E-CRM, E-Business, E-Tailing.

Total Hours: 45

TEXT BOOK:

1. Strauss Judy, Frost Raymond (2013), E-Marketing, 7/e; New Delhi: Prentice Hall.

REFERENCE BOOKS:

1. Chaffey Dave and Smith PR (2013), Marketing Excellence: Planning and Optimizing your Digital Marketing; 4/e; Routledge.
2. Ryan Damian, (2014), Understanding Digital Marketing: Marketing Strategies for Engaging the Digital Generation, 3/e; Kogan Page Limited.

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|---|--|----------|----------|--------------------|------------|------------------------------------|
| SubjectCode: HBCC22006 | SubjectName: INTELLECTUAL PROPERTY RIGHTS | C | L | T/S .Lr | P/R | Ty/ Lb/ ETP /IE |
| | Prerequisite: Nil | 3 | 3 | 0/0 | 0/0 | Ty |
| T/L/:Theory/Lab L:Lecture T:Tutorial P:Practical/ProjectR:Research C:Credits | | | | | | |

OBJECTIVE: .

- To introduce fundamental aspects of Intellectual property Rights to students who are going to play a majorrole in development and management of innovative projects in industries.
- To develop expertise in the learners in IPR related issues and sensitize the learners with the emerging issues inIPR and the rationale for the protection of IPR.

COURSEOUTCOMES(COs):The students will be able to

| | |
|------------|--|
| CO1 | Imbibe the knowledge of Intellectual Property and its protection through various laws. |
| CO2 | apply the knowledge of IPR for professional development |
| CO3 | develop a platform for protection and compliance of Intellectual Property Rights & knowledge |
| CO4 | create awareness amidst academia and industry of IPR and Copyright compliance |
| CO5 | deliver the purpose and function of IPR and patenting |

Mapping of Course Outcomes with Program Outcomes(POs)

| COs/Pos | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PSO1 | PSO2 | PSO3 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| CO1 | 3 | 3 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | | | |
| CO2 | 3 | 3 | 1 | 2 | 3 | 2 | 2 | 2 | 3 | | | |
| CO3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 3 | 2 | | | |
| CO4 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 1 | 2 | | | |
| CO5 | 3 | 2 | 1 | 2 | 2 | 2 | 3 | 2 | 2 | | | |

1/2/3indicatesStrength ofCorrelation1-High,2-Medium,3-Low

| Category | Program Core | Program Elective | Humanities and Social Science | Open Elective | Skill Enhancing Elective | Inter Disciplinary/ Allied | Skill Component | Practical / Project / Internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|----------------------------|-----------------|----------------------------------|--------|
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|---|---|----------|----------|-------------------------|------------|---|
| Subject Code: HBCC22006 | Subject Name: INTELLECTUAL PROPERTY RIGHTS | C | L | T/ S. Lr | P/R | Ty/ Lb/ ET P/I E |
| | Prerequisite: Nil | 3 | 3 | 0/0 | 0/0 | Ty |
| T/L/:Theory/Lab L:Lecture T:Tutorial P:Practical/ProjectR:Research C:Credits | | | | | | |

UNIT – I:

9 hrs

Introduction to IPRs, Basic concepts and need for Intellectual Property – Meaning and practical aspects of Patents, Copyrights, Geographical Indications, IPR in India and Abroad. Nature of Intellectual Property, Industrial Property, technological Research, Inventions and Innovations – Important examples of IPR.

UNIT – II:

9 hrs

Intellectual Property Rights. The IPR tool kit, Patents, the patenting process, Patent cooperation treaties: International Treaties and conventions on IPRs: Trade Related Aspects of Intellectual Property Rights Agreement, Patent Cooperation Treaty, Patent Act of India, Patent Amendment Act, Design Act, Trademark Act, Geographical Indication Act.

UNIT – III:

9 hrs

Intellectual Property Protections IPR of Living Species, protecting inventions in biotechnology, protections of traditional knowledge, biopiracy and documenting traditional knowledge, Digital Innovations and Developments as Knowledge Assets – IP Laws, Cyber Law and Digital Content Protection. Case studies: The basmati rice issue, revocations of turmeric patent, revocation of neem patent.

UNIT – IV:

9 hrs

Exercising and Enforcing of Intellectual Property Rights Rights of an IPR owner, licensing agreements, criteria for patent infringement. Case studies of patent infringement, IPR – contract, unfair competitions and control, provisions in TRIPS,

UNIT- V:

9 hrs

Role of Patents in Product Development and Commercialization Recent changes in IPR laws impacting patents and copy rights, intellectual cooperation in the science and allied industry. Patentable and non-patentable research. Case studies.

Total hours:45

Text book:

1. Nithyananda, K.V. (2019). Intellectual Property Rights: Protection and Management. India, IN: Cengage Learning India Private Limited.
2. Neeraj, P., AND Khusdeep, D. (2014). Intellectual Property Rights. India, IN: PHI learning Private Limited.

References:

1.P.B. Ganguli, Intellectual Property Rights: Unleashing the Knowledge Economy. Tata Mc Graw Hill, 2001. Steve Smith, The Quality Revolution.1st ed., Jaico Publishing House, 2002.

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2. Kompal Bansal and Praishit Bansal. Fundamentals of IPR for Engineers, 1st Edition, BS Publications, 2012.
3. Prabhuddha Ganguli. Intellectual Property Rights. 1st Edition, TMH, 2012.
4. R Radha Krishnan and S Balasubramanian. Intellectual Property Rights. 1st Edition, Excel Books, 2012.
5. M Ashok Kumar and Mohd. Iqbal Ali. Intellectual Property Rights. 2nd Edition, Serial Publications, 2011. Vinod V. Scople, Managing Intellectual Property. Prentice Hall of India Pvt Ltd, 2012.
6. Deborah E. Bouchoux. Intellectual Property: The Law of Trademarks, Copyrights, Patents and Trade Secrets. Cengage Learning, 3rd ed. Edition, 2012.
7. Prabhuddha Ganguli. Intellectual Property Rights: Unleashing the Knowledge Economy. McGraw Hill Education, 2011. Edited by Derek Bosworth and Elizabeth Webster. The Management of Intellectual Property. Edward Elgar Publishing Ltd., 2013.
8. Wadhwa (2004), Intellectual Property Rights, Universal Law Publishing Co.
9. Ramappa (2010), Intellectual Property Rights Law in India, Asia Law House

E-resources:

1. Subramanian, N., and Sundararaman, M. (2018). Intellectual Property Rights – An Overview. Retrieved from <http://www.bdu.ac.in/cells/ipr/docs/ipr-eng-ebook.pdf>
2. World Intellectual Property Organisation. (2004). WIPO Intellectual Property Handbook. Retrieved from https://www.wipo.int/edocs/pubdocs/en/intproperty/489/wipo_pub_489.pdf

Reference Journal:

1. Journal of Intellectual Property Rights (JIPR): NISCAIR

Useful Websites:

1. Cell for IPR Promotion and Management (<http://cipam.gov.in/>)
2. World Intellectual Property Organisation (<https://www.wipo.int/about-ip/en/>)
3. Office of the Controller General of Patents, Designs and Trademarks (<http://www.ipindia.nic.in/>)

OPEN ELECTIVE

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| | | | | | | | | | | |
|--|--|-------------------------|--------------------------------------|----------------------|---------------------------------|----------------------------------|------------------------|--------------------------------------|---------------|------------------|
| Subject Code: HBFD22OE1 | Subject Name: APPLICATIONS OF TEXTILES | | | | | C | L | T/S.Lr | P/R | Ty/Lb/ ETP/IE |
| | Prerequisite : Nil | | | | | 3 | 3 | 0/0 | 0/0 | Ty |
| L : Lecture T : Tutorial P: Practical C: Credits | | | | | | | | | | |
| OBJECTIVES | | | | | | | | | | |
| <ul style="list-style-type: none"> • To study about the textile fibers. • To familiarize about the yarns and its properties. • To acquire knowledge on different fabric types. • To understand the processing methods of dyeing, printing and finishing. • To introduce the technique of embroidery for value addition. | | | | | | | | | | |
| COURSE OUTCOMES (COs) | | | | | | | | | | |
| Students completing this course were able to | | | | | | | | | | |
| CO1 | Recognize the different types of fibers. | | | | | | | | | |
| CO2 | Classify the yarn and its types. | | | | | | | | | |
| CO3 | Identify the fabric structure. | | | | | | | | | |
| CO4 | Familiar about techniques of dyeing, printing and finishing. | | | | | | | | | |
| CO5 | Learn different stitches in embroidery. | | | | | | | | | |
| Mapping of Course Outcome with Program Outcome (POs) | | | | | | | | | | |
| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | |
| CO1 | 3 | 2 | 3 | 2 | 3 | 2 | 1 | 3 | 2 | |
| CO2 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | |
| CO3 | 3 | 2 | 3 | 1 | 2 | 2 | 3 | 2 | 2 | |
| CO4 | 2 | 1 | 2 | 3 | 3 | 2 | 2 | 3 | 3 | |
| CO5 | 3 | 3 | 1 | 2 | 3 | 3 | 3 | 2 | 1 | |
| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 | | | | | | |
| CO1 | 1 | 3 | 2 | 3 | | | | | | |
| CO2 | 2 | 3 | 3 | 2 | | | | | | |
| CO3 | 1 | 3 | 2 | 2 | | | | | | |
| CO4 | 3 | 2 | 3 | 2 | | | | | | |
| CO5 | 3 | 3 | 3 | 3 | | | | | | |
| 3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low | | | | | | | | | | |
| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others | |
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|------------------|---------------------------------|----------|----------|---------------|------------|
| HBFD22OE1 | APPLICATIONS OF TEXTILES | C | L | T/S.Lr | P/R |
| | | 3 | 3 | 0 | 0 |

OBJECTIVES

- To study about the textile fibers.
- To familiarize about the yarns and its properties.
- To acquire knowledge on different fabric types.
- To understand the processing methods of dyeing, printing and finishing.
- To introduce the technique of embroidery for value addition.

UNIT-I: INTRODUCTION TO TEXTILE FIBERS

9 hrs

Introduction to textiles - classification of fibers, Natural fibers- cotton, flax fiber, hemp, silk and wool fiber. Manmade fibers and its classification- synthetic fibers- nylon, polyester and acrylic and regenerated fibers- rayon, viscose rayon, lyocell and acetate.

UNIT-II: YARN AND ITS CLASSIFICATION

9 hrs

Definition, classification- yarn twist, “S-twist” and “Z-twist”. Types of yarn- simple yarns, complex/ novelty yarns and textured yarns. Simple yarn- 2 ply, 3 ply and 4 ply. Novelty yarns- slub yarn, loop yarn, spiral yarn and chenille yarn. Textured yarn- coiled, curled and crimped.

UNIT-III: FABRIC STRUCTURE

9 hrs

Fabric Construction – Introduction, basics and different methods of fabric formation weaving, knitting and Non-woven. Woven Fabrics- Plain, twill and satin. Knitting–Introduction- types of knitting- warp knit and weft knit. Non-woven- Introduction, application of Non-woven.

UNIT-IV: DYEING TO FINISHING

9 hrs

Dyes – Definition, classification of dyes- Natural dyes and Synthetic Dyes. Printing – Introduction to printing, difference between printing and dyeing, methods of printing- block printing, stencil printing, screen printing. Finishing-Introduction, types of finishes- functional and aesthetic finish.

UNIT –V: SURFACE ORNAMENTATION

9 hrs

Basic hand embroidery Running, Back, Chain, Feather, Fly, Button Hole, Blanket, Cross, Stem, French Knot, Herring Bone, Seed, Satin, Long and Short, Bullion Knot, Spider Wheel, Lazy Daisy, Fish Bone.

TOTAL:45 Hrs

REFERENCE BOOKS:

1. Household Textiles and Laundry Work – Durga Duellar, Amla Ram and Sons, Delhi.
2. Jonathan Y chen “Activated carbon fiber and textiles”, Elsevier science publisher, 2016
3. H V SREENIVASA MURTHY “Introduction to textile fibers”, WPI India publisher 2018
4. Jamshed A Khan, (2016). Eco-Friendly Textile Dyeing and Finishing, Scitus Academics LLC,
5. T.L. Vigo, (2013). Textile Processing and Properties: Preparation, Dyeing, Finishing and Performance, Elsevier, Netherland.

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|-----------------------------------|--|---|---|--------|-----|--------------|
| Subject Code: HBFD22OE2 | Subject Name: INTRODUCTION TO FASHION | C | L | T/S.Lr | P/R | Ty/Lb/ETP/IE |
| | Prerequisite : Nil | 3 | 3 | 0/0 | 0/0 | Ty |

L : Lecture T : Tutorial P: Practical C: Credits

OBJECTIVES

- To familiarize students about the Elements of design
- To study the importance of Design and its Principle.
- To acquire knowledge about colors.
- To understand about different body types.
- To study about the necklines and other trimmings.

COURSE OUTCOMES (COs)

Students completing this course were able to

| | |
|------------|---|
| CO1 | Understand the basic Lines and elements of design |
| CO2 | Familiarize about the principles of design. |
| CO3 | Impart knowledge about the color concepts |
| CO4 | Identify the different body types. |
| CO5 | Familiarize about the trimmings in apparels. |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 3 | 2 | 2 | 3 | 1 | 1 | 2 | 3 |
| CO2 | 3 | 2 | 2 | 2 | 3 | 1 | 1 | 2 | 2 |
| CO3 | 2 | 3 | 2 | 2 | 3 | 2 | 1 | 2 | 3 |
| CO4 | 3 | 3 | 3 | 3 | 1 | 2 | 1 | 2 | 3 |
| CO5 | 1 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 2 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 |
|------------|-------|-------|-------|-------|
| CO1 | 3 | 3 | 1 | 2 |
| CO2 | 3 | 3 | 1 | 2 |
| CO3 | 3 | 3 | 2 | 2 |
| CO4 | 3 | 3 | 3 | 3 |
| CO5 | 3 | 3 | 3 | 3 |

3/2/1 Indicates Strength Of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|---------------------------|-----------------|-------------------------------|--------|
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|------------------|--------------------------------|----------|----------|---------------|------------|
| HBFD22OE2 | INTRODUCTION TO FASHION | C | L | T/S.Lr | P/R |
| | | 3 | 3 | 0 | 0 |

OBJECTIVES

- To familiarize students about the Elements of design.
- To study the importance of Design and its Principle.
- To acquire knowledge about colors.
- To understand about different body types.
- To study about the necklines and other trimmings.

UNIT- I: ELEMENTS OF DESIGN

9 hrs

Introduction to Lines- Vertical lines, Horizontal lines, Diagonal lines and Curved lines. Shape/Form, Texture- Soft, Shiny. Color and Value. Designs- Naturalistic design, Abstract design, Geometrical. Structural design and decorative design.

UNIT- II: PRINCIPLE OF DESIGN

9 hrs

Balance- Symmetrical (formal) and Asymmetrical (informal), Rhythm- Gradation, Repetition, Radiation, Proportion, Emphasis and Harmony.

UNIT- III: COLOR CONCEPT

9 hrs

Color Wheel, Color Intensity, Hue Value. Characters - Mono Chromatic, Analogous, Achromatic, Complementary, Split Complementary, Warm and Cool Colors, Tint and Shade, Neutral Color.

UNIT- IV: BODY TYPE

9 hrs

Figure Irregularities- Designing dresses for unusual figures -figure types- stout figure- thin figure- slender figure- narrow shoulders- broad shoulders- round shoulders- large bust- flat chest- large hip- large abdomen-round face- small face- prominent chin and jaw- prominent forehead.

UNIT- V: TRIMMINGS AND VARIATIONS:

9 hrs

Necklines- Different type of necklines- Jewel, Square, U- shape, V-shape and Boat neckline. Sleeves- Kimono, Raglan. , Petal, Cap. Trimmings-Bows, Tassels, Fringing, Ric-rac, Appliques. Fashion Accessories- Footwear, Handbags, Hats and Ties.

TOTAL:45 hrs

REFERENCE BOOKS:

- 1.Design Studies by Man meet sodhia- Kalyani Publishers.
2. Fashion and Color by Mary Garthe - Rockport Publishers.
- 3.Color Harmony2 by Bride Whelan- Rockport Publishers.
- 4.Comdex Fashion Design Volume I by Dr. Navneet Kaur.
- 5.Elements of fashion and apparel designing, by Sumathi G.J., New Age International Pvt. L.t.d..
- 6.Fashion from concept to consumer, by Cini stephens Frings, Low price edition

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| | | | | | | |
|-----------------------------------|---|---|---|--------|-----|----------------------|
| Subject Code: HBFD22OL1 | Subject Name: EMBROIDERY PRACTICAL LAB | C | L | T/S.Lr | P/R | Ty/Lb/ ETP/I E |
| | Prerequisite : Nil | 2 | 0 | 0/0 | 3/0 | Lb |

L : Lecture T : Tutorial P: Practical C: Credits

OBJECTIVES

- To learn about the types of embroideries around our country.
- To familiarize about the different kinds of embroidery threads.
- To understand the different embroidery variation.
- To introduce the technique of embroidery for value addition.
- To gain knowledge about machine embroidery

COURSE OUTCOMES (COs)

Students completing this course were able to

| | |
|------------|--|
| CO1 | Recognize the types of embroideries around our country. |
| CO2 | Familiarize about the different kinds of embroidery threads. |
| CO3 | Understand the different embroidery variation. |
| CO4 | Know about the technique of embroidery for value addition. |
| CO5 | Gain knowledge about machine embroidery |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 2 | 2 |
| CO2 | 2 | 1 | 2 | 3 | 2 | 1 | 2 | 1 | 3 |
| CO3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 2 |
| CO4 | 2 | 2 | 1 | 3 | 1 | 2 | 2 | 2 | 3 |
| CO5 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 2 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 |
|------------|-------|-------|-------|-------|
| CO1 | 3 | 3 | 3 | 2 |
| CO2 | 3 | 3 | 3 | 3 |
| CO3 | 2 | 2 | 3 | 2 |
| CO4 | 3 | 3 | 2 | 3 |
| CO5 | 3 | 3 | 3 | 3 |

3/2/1 Indicates Strength Of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|---------------------------|-----------------|-------------------------------|--------|
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| HBFD22OL1 | EMBROIDERY PRACTICAL LAB | C | L | T/S.Lr | P/R |
|-----------|--------------------------|---|---|--------|-----|
| | | 2 | 0 | 0 | 3 |

LIST OF EXPERIMENTS:

1.HAND EMBROIDERY BASIC STITCHES

Running stitch
Back stitch
Chain stitch
Feather
Fly
Button Hole
Blanket
French Knot
Bullion Knot
Fish Bone.
Satin- Long and short.

2.FABRIC PAINTING

Free hand
Stencil
Block

3.MACHINE EMBROIDERY

Running
Satin
Button hole
Zig zag stitch.
Herring bone.
Feather stitch

TOTAL:45 Hrs

REFERENCE BOOKS:

- 1.Indian Embroidery by Jamila Brijbhushan.
2. Hand Book of Traditional Embroidery, Author Mary E Waring.

PROGRAMME ELECTIVE- I

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| | | | | | | |
|-----------------------------------|-------------------------------------|----------|----------|----------|----------|----------------------|
| Subject Code: HBFD22E01 | Subject Name: TEXTILE DYEING | C | L | T/S.Lr | P/R | Ty/Lb/ ETP/I E |
| | Prerequisite : Nil | 3 | 3 | 0 | 0 | Ty |

L : Lecture T : Tutorial P: Practical C: Credits

OBJECTIVES

- To Impart the knowledge of preparatory process of fabrics for dyeing.
- To Analyze the classification of dyes.
- To learn about the dyeing techniques.
- To gain the knowledge about synthetic dyes.
- To Acquire the knowledge about different types of dyes..

COURSE OUTCOMES (COs)

Students completing this course were able to

| | |
|------------|--|
| CO1 | Impart the knowledge of preparatory process of fabrics for dyeing. |
| CO2 | Analyze dyes and its classification . |
| CO3 | Learnt about the dyeing techniques. |
| CO4 | Gain the knowledge about synthetic dyes. |
| CO5 | Acquire the knowledge about different types of dyes. |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 3 | 2 | 3 | 3 | 1 | 3 | 2 | 3 |
| CO2 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 3 |
| CO3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 2 | 3 |
| CO4 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 |
| CO5 | 3 | 3 | 2 | 3 | 3 | 1 | 3 | 2 | 3 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 | | |
|------------|-------|-------|-------|-------|--|--|
| CO1 | 3 | 3 | 3 | 2 | | |
| CO2 | 3 | 2 | 3 | 3 | | |
| CO3 | 3 | 3 | 2 | 3 | | |
| CO4 | 3 | 2 | 3 | 3 | | |
| CO5 | 3 | 3 | 3 | 2 | | |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
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|------------------|-----------------------|----------|----------|---------------|------------|
| HBFD22E01 | TEXTILE DYEING | C | L | T/S.Lr | P/R |
| | | 3 | 3 | 0 | 0 |

OBJECTIVES

- To impart the knowledge of preparatory process of fabrics for dyeing
- To analyze the classification of dyes.
- To learn about the dyeing techniques.
- To gain the knowledge about synthetic dyes.
- To acquire the knowledge about different types of dyes.

UNIT -I: WET PROCESSING

9 hrs

Preparatory process: Preparation of fabrics for dyeing – Singeing, desizing, scouring, bleaching, mercerizing and degumming.

UNIT- II: DYES AND DYEING TECHNIQUES:

9 hrs

Dyes – Definition, classification of dyes; Dyeing techniques; Stock, yarn, piece, solution, cross and garment dyeing.

UNIT- III: NATURAL DYES AND ITS CLASSIFICATION:

9 hrs

Natural dyes – Definition, history, classification; vegetable, animal, and mineral dyes, characteristics, Mordant; definition, Mordanting techniques; post mordant, pre - mordant and simultaneous mordant.

UNIT- IV: SYNTHETIC DYES AND ITS CLASSIFICATION:

9 hrs

Synthetic Dyes – Definition, Classification – Direct dyes, Naphthol, Sulphur dyes, Vat dyes, Mordant.

UNIT- V: OTHER TYPES OF DYES:

9 hrs

Acid dyes, Basic dyes, Indigo dyes, Pigment dyes, Disperse Dyes AND Reactive dyes.

TOTAL:45 hrs

REFERENCE BOOKS:

- 1.Ashland, J. R. *Textile Dyeing and Coloration*. Research Triangle Park, N.C.: American Association of Textile Chemists and Colorists, 1997.
- 2.Perkins, Warren S. *Textile Coloration and Finishing*. Durham, N.C.: Carolina Academic Press, 1996.
- 3.Society of Dyers and Colourists, and the American Association of Textile Chemists and Colorist. *The Colour Index International*. 9 vols. 3rd ed. West Yorkshire, England:Bradford, 1971-1992. Fourth edition (2004) available online through subscription <http://www.colour-index.com/>.
- 4.Jamshed A Khan, (2016). *Eco-Friendly Textile Dyeing and Finishing*, Scitus Academics LLC,
5. T.L. Vigo, (2013). *Textile Processing and Properties: Preparation, Dyeing, Finishing and Performance*, Elsevier, Netherland.

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|-----------------------------------|---------------------------------------|----------|----------|----------|----------|----------------------|
| Subject Code: HBFD22E02 | Subject Name: TEXTILE PRINTING | C | L | T/S.Lr | P/R | Ty/Lb/ ETP/I E |
| | Prerequisite : Nil | 3 | 3 | 0 | 0 | Ty |

L : Lecture T : Tutorial P: Practical C: Credits

OBJECTIVES

- To identify the difference between printing and dyeing.
- To impart the knowledge of methods of printing.
- To understand about the different process in printing.
- To provide the knowledge about the resist printing.
- To learn about the development in printing.

COURSE OUTCOMES (COs)

Students completing this course were able to

| | |
|------------|--|
| CO1 | Identify the difference between printing and dyeing. |
| CO2 | Impart the knowledge of methods of printing. |
| CO3 | Understood about the different process in printing. |
| CO4 | Provide the knowledge about the resist printing. |
| CO5 | Learnt about the development in printing. |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 3 |
| CO2 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 1 |
| CO3 | 1 | 1 | 3 | 2 | 3 | 1 | 1 | 3 | 3 |
| CO4 | 3 | 3 | 2 | 3 | 3 | 2 | 2 | 2 | 2 |
| CO5 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 3 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 |
|------------|-------|-------|-------|-------|
| CO1 | 3 | 3 | 3 | 2 |
| CO2 | 2 | 2 | 2 | 3 |
| CO3 | 3 | 3 | 3 | 2 |
| CO4 | 2 | 2 | 2 | 2 |
| CO5 | 3 | 2 | 3 | 3 |

3/2/1 Indicates Strength Of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|---------------------------|-----------------|-------------------------------|--------|
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|------------------|-------------------------|----------|----------|---------------|------------|
| HBFD22E02 | TEXTILE PRINTING | C | L | T/S.Lr | P/R |
| | | 3 | 3 | 0 | 0 |

OBJECTIVES

- To identify the difference between printing and dyeing.
- To impart the knowledge of methods of printing.
- To understand about the different process in printing.
- To provide the knowledge about the resist printing.
- To learn about the development in printing.

UNIT-I: INTRODUCTION

9 hrs

Printing – Introduction to printing, differences between printing and dyeing, preparation of fabric for printing– cotton, linen, polyester, wool and silk, methods of printing, preparation of printing paste, selection of thickening agents.

UNIT-II: METHODS OF PRINTING

9 hrs

Direct printing: Block printing – Brief History, Preparation of design, Blocks, table, print paste and printing process Stencil printing – Brief history, preparation of fabric, stencils (For one or more color). Materials used for preparing stencils, process involved and techniques used.

UNIT-III: PREPARATION OF SCREEN

9 hrs

Screen printing – brief history, Flat screen and Rotary screen printing, Preparation of screen, print paste, screen printing process, Discharge printing – chemicals used, process involved.

UNIT-IV-: BATIK, TIE AND DYE

9 hrs

Resist printing, Brief history, Batik printing wax used, equipment required, process sequence and techniques used. Tie and dye – Brief history, equipment required, process sequence and techniques used.

UNIT-V: OTHER PRINTING METHODS

9 hrs

Other printing methods: Ink jet printing, Heat transfer printing, photo printing. Wet processing of polyester, Nylon, silk, wool and their blends.

TOTAL:45 Hrs

REFERENCE BOOKS:

1. Textiles – Ninth edition, Sara J Radolph and Anna L Langford, Prentice hall, New Jersey (2002).
2. Textile processing – J L Smith, Abhishek publications, Chandigarh (2003).
3. Textile Chemistry – Peters R H, Vol I, AND II, Textile Institute Manchester (1970)
4. Beginners Guide to fabric dyeing and printing – Stuart AND Robinson, Technical books, London (1982).
5. Thickening agents and Emulsion thickenings in textile printing – Herbert Barthm, New Delhi (1994).

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|-----------------------------------|---------------------------------------|---|---|--------|-----|----------------------|
| Subject Code: HBFD22E03 | Subject Name: TEXTILE FINISHES | C | L | T/S.Lr | P/R | Ty/Lb/ ETP/I E |
| | Prerequisite : Nil | 3 | 3 | 0/0 | 0/0 | Ty |

L : Lecture T : Tutorial P: Practical C: Credits

OBJECTIVES

- To familiar about the Textile Finishes and its importance.
- To gain knowledge about mechanical finishes and its application.
- To understand the methods of application.
- To know the details functional finishes and its types.
- To study about the special finishes on garments.

COURSE OUTCOMES (COs)

Students completing this course were able to

| | |
|------------|---|
| CO1 | Familiar about the Textile Finishes and its importance. |
| CO2 | Gain knowledge about mechanical finishes and its application. |
| CO3 | Understood the methods of application. |
| CO4 | Know the details functional finishes and its types. |
| CO5 | Study about the special finishes on garments. |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 |
| CO2 | 2 | 2 | 2 | 1 | 3 | 2 | 2 | 1 | 2 |
| CO3 | 1 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 3 |
| CO4 | 3 | 2 | 2 | 2 | 3 | 1 | 2 | 3 | 2 |
| CO5 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 3 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 | | |
|------------|-------|-------|-------|-------|--|--|
| CO1 | 3 | 3 | 3 | 2 | | |
| CO2 | 2 | 2 | 2 | 3 | | |
| CO3 | 3 | 3 | 3 | 2 | | |
| CO4 | 2 | 2 | 2 | 2 | | |
| CO5 | 3 | 2 | 3 | 3 | | |

3/2/1 Indicates Strength Of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|---------------------------|-----------------|-------------------------------|--------|
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|------------------|-------------------------|----------|----------|---------------|------------|
| HBFD22E03 | TEXTILE FINISHES | C | L | T/S.Lr | P/R |
| | | 3 | 3 | 0 | 0 |

OBJECTIVES

- To familiar about the Textile Finishes and its importance.
- To gain knowledge about mechanical finishes and its application.
- To understand the methods of application.
- To know the details functional finishes and its types.
- To study about the special finishes on garments.

UNIT – I: INTRODUCTION

9 hrs

Finishing - Introduction – Objects of finishing, Importance of finishing, Classification of finishes, Advantages of finishing.

UNIT – II: MECHANICAL FINISHES AND ITS ULTIMATE USE

9 hrs

Mechanical Finishes - Beetling, Shearing, Calendaring, Tenting, Moiring, Embossing, Glazing, Napping, Chemical Weighting of Silk, Sizing, Sanforizing, Wrinkle free finish.

UNIT – III: FUNCTIONAL FINISHES AND ITS TYPES

9 hrs

Functional Finish - Resin finish, Water Proof finish, Water Repellent finish, Antimicrobial finish, Flame Retardant finish, Soil Release finish - Process and Recipe, Types and Method of Fusing, Welding and Adhesives, Molding.

UNIT – IV: ADVANCED FUNCTIONAL FINISH

9 hrs

Advanced Functional Finish - Stiff finish - Process and Recipe, Softening - Silicone finish, Denim finish, Stone Wash finish, Anti - Pilling finish, Anti Mildew finish.

UNIT - V: SPECIAL FUNCTIONAL FINISHES

9 hrs

Special Finishes On Garments – Finishing of Woven / Knitted garments – Stone less, Stone Wash effects Mud wash, Ion wash, Chalk wash, Water resistant Breathable finish, Bio polishing, Leathery Finish, Protective Finishes –Deodorizing, Cool Finish and Thermostat finishes.

TOTAL:45 Hrs

REFERENCE BOOKS:

1. Shenai and Saraf. 1995. Technology of Textile Finishing. Sevak publications.
2. Nallangilli and Jayaprakasam. 2005. Textile Finishing. S.S.M Institute of Textile Technology.
3. Prayag. 1996. Technology of finishing. Shree J. Printers, Pune.

PROGRAMME ELECTIVE- II

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| | | | | | | |
|-----------------------------------|---|----------|----------|------------|------------|----------------------|
| Subject Code: HBFD22E04 | Subject Name: TECHNICAL TEXTILES | C | L | T/S.Lr | P/R | Ty/Lb/ ETP/I E |
| | Prerequisite : Nil | 3 | 3 | 0/0 | 0/0 | Ty |

L : Lecture T : Tutorial P: Practical C: Credits

OBJECTIVES

- To introduce the Technical textiles and Knowing their Importance.
- To understand the knowledge of technical textiles and its Classification
- To gain knowledge about geo textiles
- To learn about medical textiles and its classification.
- To acquainted the Knowledge of protective textiles

COURSE OUTCOMES (COs)

Students completing this course were able to

| | |
|------------|---|
| CO1 | Introduce the Technical textiles and Knowing their Importance. |
| CO2 | Understand the knowledge of technical textiles and its Classification |
| CO3 | Gain knowledge about geo textiles |
| CO4 | Learn about medical textiles and its classification. |
| CO5 | Acquainted the Knowledge of protective textiles. |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 2 |
| CO2 | 3 | 3 | 1 | 3 | 2 | 3 | 2 | 3 | 3 |
| CO3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 |
| CO4 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 3 |
| CO5 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 2 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 |
|------------|-------|-------|-------|-------|
| CO1 | 3 | 3 | 2 | 3 |
| CO2 | 3 | 3 | 2 | 3 |
| CO3 | 3 | 3 | 2 | 3 |
| CO4 | 3 | 3 | 2 | 3 |
| CO5 | 3 | 3 | 2 | 3 |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|---------------------------|-----------------|-------------------------------|--------|
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|------------------|---------------------------|----------|----------|---------------|------------|
| HBFD22E04 | TECHNICAL TEXTILES | C | L | T/S.Lr | P/R |
| | | 3 | 3 | 0 | 0 |

OBJECTIVES

- To introduce the Technical textiles and Knowing their Importance.
- To understand the knowledge of technical textiles and its Classification
- To gain knowledge about geo textiles
- To learn about medical textiles and its classification.
- To acquainted the Knowledge of protective textiles.

UNIT- I: INTRODUCTION TO TECHNICAL TEXTILES **9 hrs**

Introduction, definition and scope of technical textiles, Application of technical textiles. Bonded fabrics – fibers used, web preparation, opening, cleaning machines.

UNIT - II:APPLICATION OF TEXTILES IN VARIOUS SECTOR **9 hrs**

Agro tech – Applications-, Built tech – Applications and automobile tech – use and its application.

UNIT- III: GEO TEXTILES **9 hrs**

Geo textiles – introduction, properties of Geo textiles, fibers used, engineering properties, soil strengthening, frictional resistance and applications.

UNIT -IV: MEDICAL TEXTILES **9 hrs**

Medical textiles – classification and its applications in various fields.

UNIT - V: PROTECTIVE TEXTILES: **9 hrs**

Protective Textiles, Smart and intelligent textiles classification and its applications in various fields.

TOTAL:45 Hrs

REFERENCE BOOKS:

1. Hand Book of Technical Textiles – A R Morrocks and S C Anand, wood Head publishing ltd, England 2000.
2. Family Clothing –Tate and Glisson, John Wiley and sons., illinas, 1963.
3. Designing interior environment – Alexander. N.G., Mascourt, Bizu covanorich. Inc., Newyork, 1972.
4. Non-woven bonded fabrics – Lunenschloss J and W. Albrecht, Ellis Horwood, London 1985
5. Geo textiles – NWM John, blackie London

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|-----------------------------------|------------------------------------|----------|----------|------------|------------|----------------------|
| Subject Code: HBFD22E05 | Subject Name: HOME TEXTILES | C | L | T/S.Lr | P/R | Ty/Lb/ ETP/I E |
| | Prerequisite : Nil | 3 | 3 | 0/0 | 0/0 | Ty |

L : Lecture T : Tutorial P: Practical C: Credits

OBJECTIVES

- To understand the furnishing and its types.
- To compare the different fabrics with relation to their application and end use
- To familiar with the terminology of Home Textiles
- To know the details of curtains and draperies.
- To identify the application of recent developments in home textiles

COURSE OUTCOMES (COs)

Students completing this course were able to

| | |
|------------|--|
| CO1 | Understand the furnishing and its types. |
| CO2 | Compare the different fabrics with relation to their application and end use |
| CO3 | Familiarize with the terminology of Home Textiles |
| CO4 | Know the details of curtains and draperies. |
| CO5 | Identify the application of recent developments in home textiles. |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 2 |
| CO2 | 2 | 3 | 2 | 2 | 3 | 1 | 2 | 3 | 3 |
| CO3 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 2 |
| CO4 | 1 | 3 | 1 | 3 | 2 | 2 | 3 | 3 | 2 |
| CO5 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 1 | 3 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 | | |
|------------|-------|-------|-------|-------|--|--|
| CO1 | 3 | 3 | 2 | 2 | | |
| CO2 | 2 | 3 | 2 | 2 | | |
| CO3 | 3 | 2 | 1 | 2 | | |
| CO4 | 3 | 3 | 2 | 3 | | |
| CO5 | 2 | 2 | 2 | 3 | | |

3/2/1 Indicates Strength Of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|---------------------------|-----------------|-------------------------------|--------|
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|------------------|----------------------|----------|----------|---------------|------------|
| HBFD22E05 | HOME TEXTILES | C | L | T/S.Lr | P/R |
| | | 3 | 3 | 0 | 0 |

OBJECTIVES

- To understand the furnishing and its types.
- To compare the different fabrics with relation to their application and end use.
- To familiar with the terminology of Home Textiles.
- To know the details of curtains and draperies.
- To identify the application of recent developments in home textiles.

UNIT- I: INTRODUCTION

9 hrs

Introduction to home Textiles-Furnishings-Definition - Type of Furnishings Materials– Woven and non-woven – Factors affecting Selection of Home Furnishings. Recent trends in home Textiles.

UNIT –II: HOME FURNISHING

9 hrs

Home furnishing -Advances in period style in, Different styles, and use of Colour, design and texture in home furnishing. Developments in living room furnishing including upholstery, Wall Hangings, Cushion, Cushion Covers, Bolster and Bolster Cover.

UNIT- III: BED CLOTHES AND MATTRESS

9 hrs

Bed Linens - Different Types of Bed Linen – Sheets – Blankets – Blanket Covers – Comforts – Comfort Covers – Bed Spreads – Mattress and Mattress Covers – Pads–Pillows. Uses and care advantages and dis advantages.

UNIT- IV: VARIETIES OF DRAPERIES

9 hrs

Curtains and Draperies -Advances in Home decoration -Draperies – Choice of Fabrics– Curtains – Types of Developments in Finishing of Draperies – Developments in tucks and Pleats and, tailored pleat, cafe curtain and 3 tire curtain uses of Drapery Rods, Hooks, Tape Rings and Pins. Collection of different types of layout 1. living room 2. Kitchen 3. Dining Room 4. Bed Room 5. Study Room.

UNIT- V: FLOOR AND WALL COVERINGS

9 hrs

Floor and Wall Coverings- Recent Developments in manufacturing of floor coverings -Hard Floor Coverings, Resilient Floor Coverings, Soft Floor Coverings, Rugs, Cushion – Care of floor coverings. Hanging / mats Wall Door. Uses and care of wall covering.

TOTAL:45 Hrs

REFERENCE BOOKS:

1. Interior decorating effects, Stewart and sally Walton, Lorenz books – 2000.
2. The book of upholstery, Candace ord manroe, Pub – 1987 present books.
3. Design and detail, the Practical guide to sayling a house, Tricia Guild of Elizabeth Wilhide. 1 st pub conran octopus limit.
4. Sunset slip cover and bed spreads step by step instruction decorating ideas, Editor Christian barne and Maureen Williams.
- 5.Dr.A.R. Aggarwal, Housekeeping management Amman publication, New Delhi.

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|-----------------------------------|---|----------|----------|------------|------------|--------------|
| Subject Code: HBFD22E06 | Subject Name: NON WOVEN TEXTILES | C | L | T/S.Lr | P/R | Ty/Lb/ETP/IE |
| | Prerequisite : Nil | 3 | 3 | 0/0 | 0/0 | Ty |

L : Lecture T : Tutorial P: Practical C: Credits

OBJECTIVES

- To impart the knowledge of Non-Woven Textiles.
- To provide an insight into the aspects of Process of formation.
- To learn the details of manufacturing process in non-woven textiles.
- To provide the Knowledge about chemical bonding.
- To evaluate the properties of non-woven fabric

COURSE OUTCOMES (COs)

Students completing this course were able to

| | |
|------------|--|
| CO1 | Impart the knowledge of Non-Woven Textiles. |
| CO2 | provide an insight into the aspects of Process of formation. |
| CO3 | Learnt about manufacturing process in non-woven textiles |
| CO4 | Provide the Knowledge about chemical bonding |
| CO5 | Evaluate the properties of non-woven fabric |

Mapping of Course Outcome with Program Outcome (POs)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 2 | 2 | 3 | 3 | 2 | 1 | 3 | 2 |
| CO2 | 2 | 3 | 1 | 2 | 2 | 3 | 2 | 3 | 3 |
| CO3 | 3 | 1 | 2 | 3 | 3 | 2 | 1 | 2 | 2 |
| CO4 | 2 | 3 | 2 | 2 | 1 | 2 | 3 | 3 | 3 |
| CO5 | 3 | 2 | 3 | 3 | 2 | 1 | 2 | 2 | 1 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 |
|------------|-------|-------|-------|-------|
| CO1 | 3 | 2 | 2 | 3 |
| CO2 | 2 | 3 | 3 | 2 |
| CO3 | 3 | 2 | 3 | 2 |
| CO4 | 2 | 3 | 2 | 3 |
| CO5 | 3 | 3 | 2 | 3 |

3/2/1 Indicates Strength Of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|---------------------------|-----------------|-------------------------------|--------|
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|------------------|---------------------------|----------|----------|---------------|------------|
| HBFD22E06 | NON WOVEN TEXTILES | C | L | T/S.Lr | P/R |
| | | 3 | 3 | 0 | 0 |

OBJECTIVES

- To impart the knowledge of Non-Woven Textiles.
- To provide an insight into the aspects of Process of formation.
- To learn the details of manufacturing process in non-woven textiles.
- To provide the Knowledge about chemical bonding.
- To evaluate the properties of non-woven fabric.

UNIT- I: INTRODUCTION TO NON-WOVEN

9hrs

Non-woven structure – Introduction, Definition, Classification: mechanical, thermal and chemical bonding. Advantages and disadvantages of non-woven.

UNIT- II: WEB FORMATION

9 hrs

Web formation- Blending, opening, and carding. Web formation- dry laid, spun melt, wet laid: parallel laid, cross laid and random laid.

UNIT -III: MANUFACTURING PROCESS

9 hrs

Mechanical and thermal bonding- Introduction and definition- manufacturing process: Needle punching, hydro entanglement, air bonding and calendar bonding.

UNIT- IV: CHEMICAL BONDING

9 hrs

Chemical bonding – Introduction and definition- manufacturing process: Spun lace, foam spray, spun bond/melt blown/spun bond (SMS) and print bond technique.

UNIT- V: EVALUATION OF NONWOVEN FABRIC

9 hrs

Evaluation of Non-woven fabric- Strength, elongation, thickness, stiffness, abrasion, acoustic, absorbency, flammability and air permeability.

TOTAL:45 Hrs

REFERENCE BOOKS:

1. Seema Sekhri,(2011). Textbook of fabric science: Fundamental to finishing, PHI Learning Pvt.Ltd. New Delhi.
2. Meenakshi Rastogi, (2009). Textile Forming, Sonali Publications, New Delhi.
3. S J Russell, (2006). Handbook of Nonwovens, Wood head Publishing, UK. References
4. Chapman R., (2010). Application of Non-woven's in Technical Textiles, Taylor and Francis publisher, UK.
5. Irwin Marshall Hutten, (2007). Handbook of Non-Woven Filter media, Elsevier publisher, Netherland.
- 6.Stephen J. Russell, (2007). Handbook of Non-Woven, CRC Press publisher, England.

PROGRAMME ELECTIVE- III

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|-----------------------------------|--|----------|----------|------------|------------|--------------|
| Subject Code: HBFD22E07 | Subject Name: BOUTIQUE MANAGEMENT | C | L | T/S.Lr | P/R | Ty/Lb/ETP/IE |
| | Prerequisite : Nil | 3 | 3 | 0/0 | 0/0 | Ty |

L : Lecture T : Tutorial P: Practical C: Credits

OBJECTIVES

- To understand the boutique and its different terms.
- To learn the importance of planning and costing.
- To apply knowledge of types of boutiques and its interior designing.
- To acquaint the procedure and process of pricing.
- To understand about the Market research.

COURSE OUTCOMES (CO's)

Students completing this course were able to

| | |
|------------|--|
| CO1 | Understand the boutique and its different terms. |
| CO2 | Learn the importance of planning and costing |
| CO3 | Apply knowledge of types of boutiques and its interior designing |
| CO4 | Acquainted the procedure and process of pricing. |
| CO5 | Understood about the Market research. |

Mapping of Course Outcome with Program Outcome (PO's)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 2 | 3 |
| CO2 | 2 | 2 | 3 | 3 | 1 | 3 | 2 | 3 | 2 |
| CO3 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 2 | 2 |
| CO4 | 2 | 2 | 3 | 2 | 3 | 1 | 2 | 3 | 1 |
| CO5 | 3 | 3 | 1 | 3 | 2 | 2 | 3 | 1 | 2 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 |
|------------|-------|-------|-------|-------|
| CO1 | 3 | 2 | 3 | 3 |
| CO2 | 2 | 3 | 2 | 3 |
| CO3 | 3 | 2 | 2 | 3 |
| CO4 | 2 | 3 | 3 | 2 |
| CO5 | 3 | 2 | 2 | 3 |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|---------------------------|-----------------|-------------------------------|--------|
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|------------------|----------------------------|----------|----------|---------------|------------|
| HBFD22E07 | BOUTIQUE MANAGEMENT | C | L | T/S.Lr | P/R |
| | | 3 | 3 | 0 | 0 |

OBJECTIVES

- To understand the boutique and its different terms.
- To learn the importance of planning and costing.
- To apply knowledge of types of boutiques and its interior designing.
- To acquaint the procedure and process of pricing.
- To understand about the Market research.

UNIT- I: BOUTIQUE MANAGEMENT AND TERMINOLOGIES 9 hrs

Introduction to Boutique management and terminologies. Fashion Retailing – History, Scope, Importance. Types of retailing (Domestic and International), techniques. Boutique market place and its role.

UNIT- II: BOUTIQUE PLANNING AND COSTING 9 hrs

Business options and plans for boutique. costing and funding agencies. Boutique display, Exterior of Boutique, Illumination, Masking and Proscenia Mannequins and 3D Dressing. Props and promotions on floor. Visual merchandising and Colour pallets.

UNIT- III: BOUTIQUE MANAGEMENT 9 hrs

Boutique interior planning – Boutique interiors and display locations, fixture and dressings, purchase display systems. Boutique management – types of Boutiques, planning, layout and storing.

UNIT- IV: BOUTIQUE MERCHANDISE 9 hrs

Inventory control – definition, types, importance, remedies. Buying for boutique, pricing merchandise and hiring.

UNIT- V: MARKET RESEARCH 9 hrs

Effective Sales techniques, Boutique operations, Brand Building, Competitive strategies and survey, market research, trade shows, Exhibitions, Fashion shows, Trade organizations.

TOTAL:45 Hrs

REFERENCE BOOKS:

- 1.LAURA I BLISS, Guide Visual Merchanding and Display III Edition, 1995 Fairchild Publications.
2. Fashion marketing and merchandizing Man meet Sophia 81-272-1184-2
3. Gastelino. M. Fashion Kaleidoscope, Rupa and Co. 1994.
4. Gibson. G. Vedomani, Retail Management, jaico Publishing house, Bangalore
5. Elaine Stone, The Dynamies of Fashion, Fairchild Publication
5. Brenda Sternquist international Retailing, Fairchild Publication, New York
6. Martin. M. Pegler, Store Window No.14, No 12, Visual reference Publishers, Network.
7. Jonny Tuckers, “Retail Desire” Rot vision SA UK.

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|---|---|-------------------------|--------------------------------------|----------------------|---------------------------------|----------------------------------|------------------------|--------------------------------------|---------------|
| Subject Code: HBFD22E08 | Subject Name: VISUAL MERCHANDISING | | | | C | L | T/S.Lr | P/R | Ty/Lb/ETP/IE |
| | Prerequisite : Nil | | | | 3 | 3 | 0/0 | 0/0 | Ty |
| L : Lecture T : Tutorial P: Practical C: Credits | | | | | | | | | |
| OBJECTIVES | | | | | | | | | |
| <ul style="list-style-type: none"> • To give understand about Visual Merchandising in the garment industry. • To create the fundamental concept of visual Merchandising and its functions. • To analyze Various Process flow in visual merchandising. • To apply knowledge of Visual Merchandising in apparel industry. • To develop the ability to understand about advertising | | | | | | | | | |
| COURSE OUTCOMES (CO's) | | | | | | | | | |
| Students completing this course were able to | | | | | | | | | |
| CO1 | Understand about Visual Merchandising in the garment industry. | | | | | | | | |
| CO2 | Create the fundamental concept of visual Merchandising and its functions. | | | | | | | | |
| CO3 | Analyze Various Process flow in visual merchandising. | | | | | | | | |
| CO4 | Apply knowledge of Visual Merchandising in apparel industry. | | | | | | | | |
| CO5 | Understand about advertising and other promotions. | | | | | | | | |
| Mapping of Course Outcome with Program Outcome (PO's) | | | | | | | | | |
| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
| CO1 | 3 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 2 |
| CO2 | 2 | 1 | 3 | 2 | 1 | 2 | 3 | 2 | 1 |
| CO3 | 3 | 3 | 1 | 3 | 2 | 3 | 1 | 3 | 3 |
| CO4 | 2 | 3 | 2 | 2 | 3 | 2 | 3 | 1 | 2 |
| CO5 | 1 | 2 | 3 | 2 | 3 | 1 | 3 | 3 | 3 |
| COs /PSOs | PSO-1 | | PSO-2 | | PSO-3 | | PSO-4 | | |
| CO1 | 3 | | 2 | | 3 | | 3 | | |
| CO2 | 2 | | 3 | | 2 | | 3 | | |
| CO3 | 3 | | 3 | | 3 | | 2 | | |
| CO4 | 3 | | 2 | | 3 | | 3 | | |
| CO5 | 2 | | 3 | | 2 | | 3 | | |
| 3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low | | | | | | | | | |
| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
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|------------------|-----------------------------|----------|----------|---------------|------------|
| HBFD22E08 | VISUAL MERCHANDISING | C | L | T/S.Lr | P/R |
| | | 3 | 3 | 0 | 0 |

OBJECTIVES

- To give understand about Visual Merchandising in the garment industry
- To create the fundamental concept of visual Merchandising and its functions
- To analyze Various Process flow in visual merchandising
- To apply knowledge of Visual Merchandising in apparel industry
- To develop the ability to understand about advertising.

UNIT- I: VISUAL MERCHANDISING

9 hrs

Introduction to Visual Merchandising Visual merchandising and display, Purpose of visual merchandising; Store image; Target customers; Seasonal visual merchandise.

UNIT- II: DISPLAY

9 hrs

Display and Display Setting Types of display; Promotion vs. institutional display; Type of display setting Attention drawing devices: Colour; Lighting; Line and composition; Scale; Contrast; Repetition; Surprise and shock.

UNIT- III: INSPECTION

9 hrs

Inspection and its types – Testing – Check points before cutting - Pilot run or trial run and its importance– Approvals - Types of approvals – Shipping marks – Final inspection procedures – Self, Second- and Third-party inspection - Effective expedition procedures.

UNIT –IV: PACKING

9 hrs

Order sheet and its contents – Packing list and its contents – Document formats: order sheet, packing list, invoice, inspection and testing reports etc., - Assortment and its types. Documents recording and maintenance – Claims and reasons for claims - Factory audits – Buyer’s code of conducts.

UNIT –V: ADVERTISING

9 hrs

Advertising- scope, importance, types, merits and demerits; sales promotion, personal selling. Retail management. Export associations – Apparel Export Promotion Council – Journals and magazines related to apparel and textiles –Trade shows and Fairs – Participation in trade shows – Advantages of trade shows and fairs - Apparel and Textile Trade shows and fairs in India.

TOTAL:45 Hrs

REFERENCE BOOKS:

1. Jeannette Jarnow, Dickerson, Inside the Fashion Business, Prentice Hall, USA.
2. Darlie Koshy, Effective export marketing of Apparel, Global business press, 1996.
3. Fashion Merchandising, Elian Stone,
4. Apparel Merchandising, An integrated Approach, Krishna Kumar, M, 2010, Abhishek Publications
- 5.Apparel Merchandising, Robin Mathew, Book Enclave Publishers, Jaipur

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| | | | | | | |
|-----------------------------------|---|----------|----------|------------|------------|--------------|
| Subject Code: HBFD22E09 | Subject Name: ORGANISATION OF GARMENT UNIT | C | L | T/S.Lr | P/R | Ty/Lb/ETP/IE |
| | Prerequisite: Nil | 3 | 3 | 0/0 | 0/0 | Ty |

L : Lecture T : Tutorial P: Practical C: Credits

OBJECTIVES

- To familiar about the qualities of entrepreneurs.
- To compare different departments in organizational unit.
- To understand the Sequence process of clothing factory.
- To know the details of factory design and layout.
- To study about export documentation and procedures

COURSE OUTCOMES (CO's)

Students completing this course were able to

| | |
|------------|---|
| CO1 | Familiarize about the qualities of entrepreneurs. |
| CO2 | Compare different departments in organizational unit. |
| CO3 | Understand the Sequence process of clothing factory. |
| CO4 | Know the details of factory design and layout. |
| CO5 | Study about export documentation and procedures. |

Mapping of Course Outcome with Program Outcome (PO's)

| COs/POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CO1 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 2 |
| CO2 | 3 | 2 | 3 | 2 | 1 | 3 | 3 | 2 | 3 |
| CO3 | 2 | 3 | 1 | 3 | 3 | 2 | 1 | 3 | 1 |
| CO4 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 1 | 2 |
| CO5 | 1 | 3 | 2 | 1 | 2 | 3 | 2 | 3 | 3 |

| COs /PSOs | PSO-1 | PSO-2 | PSO-3 | PSO-4 |
|------------|-------|-------|-------|-------|
| CO1 | 3 | 3 | 2 | 3 |
| CO2 | 3 | 2 | 3 | 2 |
| CO3 | 2 | 3 | 2 | 3 |
| CO4 | 3 | 2 | 3 | 2 |
| CO5 | 3 | 3 | 2 | 3 |

3/2/1 Indicates Strength of Correlation, 3 – High, 2- Medium, 1- Low

| Category | Program Core | Program elective | Humanities and social Science | Open Elective | Skill enhancing elective | Inter Disciplinary/Allied | Skill Component | Practical /Project/internship | Others |
|----------|--------------|------------------|-------------------------------|---------------|--------------------------|---------------------------|-----------------|-------------------------------|--------|
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|------------------|-------------------------------------|----------|----------|---------------|------------|
| HBFD22E09 | ORGANISATION OF GARMENT UNIT | C | L | T/S.Lr | P/R |
| | | 3 | 3 | 0 | 0 |

OBJECTIVES

- To familiar about the qualities of entrepreneurs.
- To compare different departments in organizational unit
- To understand the Sequence process of clothing factory.
- To know the details of factory design and layout.
- To study about export documentation and procedures.

UNIT-I: ENTREPRENEURSHIP DEVELOPMENT

9 hrs

Entrepreneurship- Meaning definition and types, need for Entrepreneurs, qualities and types of entrepreneurs. Difference between Entrepreneur and manager. Management-Definition - process -Planning, organizing, Directing Controlling, Co-ordination.

UNIT-II: PRODUCTION PLANNING AND CONTROL

9 hrs

Institutions supporting entrepreneurs- DIC, NSIC, SISI, SIPCOT, TII, KVIC, CODISSIA, COMMERCIAL BANKS –SBI. Organizational structure of a garment unit -Hierarchical organization, production planning and control.

UNIT-III: THE ORGANIZATION OF CLOTHING FACTORY

9 hrs

Different department in a garment unit – Design department, Finance department, purchasing department, Production department, organizing different sections – hierarchy Personnel involved in all the departments, nature of the job.

UNIT-IV: FACTORY DESIGN AND LAYOUT

9 hrs

Factory Design and layout – importance of factory design, factors affecting factory design, Types of buildings, (single and Multi –store) –advantages and limitation. Factory layout - Process, Product and combined layout Design requirement – requirements relating to health, safety and welfare

UNIT-V: EXPORT DOCUMENTATION AND PROCEDURE

9 hrs

Performance of Indian Garment Export, SWOT Analysis Setting up of garment unit for export market, Export Document, Export finance- Payment method, Export shipping Role of merchandiser in a garment unit

TOTAL:45 Hrs

REFERENCE BOOKS:

1. Principles of management- Dinakarpagare, sultan chand and sons, delhi.
2. Entrepreneurship Development in India – Dr. C.B Gupta, Dr N.P. Srinivasan, sultan Chand and sons delhi 1997.
3. Garment Exports – Darlie O Koshy (1997)
4. Introduction to clothing production management – AJ Chester 2nd Edition, Wrenbury Associates Ltd (1998).
5. The technology of clothing manufacture – Harold Carr and Barbara Latham, Blackwell Science (1994). Anx.41 E - B Sc CD F(Colleges) 2007-08 Page.

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|------------------|-------------------------|----------|----------|---------------|------------|---------------------|
| HBFL22IXX | FOREIGN LANGUAGE | C | L | T/S.Lr | P/R | Ty/Lb/ETP/IE |
| | | 1 | 0 | 0 | 2 | IE |

Foreign Language

Foreign language is introduced in the curriculum to make the students globally employable. Students should select and register for any one of the foreign languages from the given list. At the end of the course students should be able to read, write and converse the language in the basic level.

At the end of the semester the assessment will be done through internal examination by the examiner

duly appointed by the head of the department.

| S.NO | COURSE CODE | COURSE NAME |
|-------------|----------------------|--------------------|
| 1 | EBFL22I01/HBFL22I01 | FRENCH |
| 2 | EBFL22I02/ HBFL22I02 | GERMAN |
| 3 | EBFL22I03/ HBFL22I03 | JAPANESE |
| 4 | EBFL22I04/ HBFL22I04 | ARABIC |
| 5 | EBFL22I05/ HBFL22I05 | CHINESE |
| 6 | EBFL22I06/HBFL22I06 | RUSSIAN |
| 7 | EBFL22I07/HBFL22I07 | SPANISH |