M.S. Ramaiah University of Applied Sciences

New BEL Road, MSR Nagar, Bangalore - 560054



PO, PSO, PEO & CO

Programme: B.Des. in Fashion Design

Programme Code: 014

Programe Outcome (PO)
Programe Specific Outcome (PSO)
Program Educational Objectives (PEO)
Course Outcomes (CO)

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Faculty of Engineering and Technology

M.S. Ramaiah University of Applied Sciences

Bangalore-560058

Registrar

M.S. Ramaiah University of Applied Sciences

Bangalore - 560 054

Approved in 23rd ACM (Resolution 23.05) held on 15th July 2021

Faculty of Art and Design (FAD)

Programme Name: B.Des. (Fashion Design)

Programme Outcomes

B.Des. Graduates will be able to:

- PO 1. Apply fundamental aspects of art, design and culture and apply its principles while designing.
- PO 2. Apply manual and digital tools and techniques in various media to express and convey design ideas in 2D, 3D digital and physical form skillfully.
- PO 3. Identify, interpret and generate insights for developing new products based on data gathered from various research methods including ethnographic research to support the ideation of relevant and appropriate design solutions.
- PO 4. Design and develop solutions based on identified user needs considering style, theme, elements and principles of aesthetics, functionality and safety.
- PO 5. Apply critical judgement and evaluate design solutions on aesthetic quality and intended end use, art and cultural impact.
- **PO 6.** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional design practice.
- **PO 7.** Identify the impact of the professional design solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO 8. Apply ethical principles and commit to professional ethics and responsibilities and norms of the design practice.
- PO 9. Ability to function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO 10. Ability to communicate effectively on complex design activities with the design community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- PO 11. Ability to demonstrate knowledge and understanding of the design and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- PO 12. Ability to recognize the need for and have the preparation and ability to engage independent and life-long learning in the broadest context of trend change.



Programme Specific Outcomes (PSOs)

At the end of the B. Des. (Fashion Design) program, the graduate will be able to:

- **PSO-1.** Apply the knowledge in Designing Fashion apparels, Illustration, Textiles, Pattern Making, Apparel Production, Digital Designing, Fashion Marketing, and development of suitable artifacts
- **PSO-2.** Construct the apparels by conceptualizing, developing designs, applying suitable process and techniques as per textile, garment quality measures with a wide spectrum of relevance to the fashion industry, and consumers
- **PSO-3.** Analyse the marketing strategies and promotion techniques for fashion apparels with ample communication, professional development and suggest suitable solutions for allied industries
- **PSO-4.** Demonstrate the practical skills, leadership qualities and strive for the betterment of the organization, environment, and society

Program Educational Objectives (PEOs)

The objectives of the B. Des. (Interaction Design) Programme are to:

- **PEO-1.** Provide students with a strong foundation in designing, art, and creativity and enable them to become experts in illustrations, textiles, and apparel manufacturing to fit the marketplace and fulfill consumers' demands
- **PEO-2.** Impart analytic and cognitive skills required to develop innovative solutions for R&D, Industry, and societal requirements
- **PEO-3.** Provide sound theoretical knowledge and apply practical professional skills and ethics related to textiles, fashion sketching, garment manufacturing, and entrepreneurship to build a successful career in fashion design
- **PEO-4.** Inculcate strong human values, social, interpersonal, and leadership skills required for professional success in evolving global professional environments

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Course Title & Code: Fundamentals of Fashion (FDC101A)

After the successful completion of this course, the student will be able to:

- CO-1. Explain the fundamentals and techniques of fashion design and study of fashion terminology
- CO-2. Discuss different art media and applications
- CO-3. Develop Fashion Sketches using Elements and principles of Fashion Design
- CO-4. Analysis the different types of design
- CO-5. Design and develop different fashion apparel components

Course Outcomes (COs)

Course Title & Code: Elements of Textile Science (FDC102A)

After the successful completion of this course, the student will be able to:

- **CO-1.** Describe different fibres and yarns used in manufacturing of apparels based onphysical and chemical properties
- CO-2. Explain the production and manufacturing of different fibers and yarns used inapparels
- **CO-3**. Explain the identification and properties of fibers and yarns
- CO-4. Identify different fibres and yarns through appropriate tests
- CO-5. Suggest fibres and yarn for the specific end use based on analysis

Course Outcomes (COs)

Course Title & Code: Basics of Garment Manufacturing (FDC103A)

After the successful completion of this course, the student will be able to:

- CO-1. Describe different types of sewing machines, tools and equipments and the process involved in garment making
- CO-2. Discuss the various applications of stitches, seams and garment components
- CO-3. Suggest appropriate garment component and method of construction for a given apparel
- CO-4. Operate garment manufacturing tools and equipments, practice of stitches andcreation of apparel fullness on fabric swatches
- CO-5. Construct various garment components

Course Outcomes (COs)

Course Title & Code: Heritage Indian Textiles (FDD101A)

After the successful completion of this course, the student will be able to:

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- CO-1. Explain the traditional textiles and Indian embroideries discuss the variousapplications of stitches, seams and garment components
- CO-2. Describe the resist dyeing techniques practiced in different states of India
- CO-3. Analyze the various sarees of India with respect to design, colour combinations and weaving techniques
- co-4. Develop traditional embroidery samples
- CO-5. Create a product based on the traditional resist dyeing and printing techniques

Course Title & Code: Basic Computers and Office Applications (FDM101A)

After the successful completion of this course, the student will be able to:

- co-1. Classify different parts of a computer and describe various application of computers
- CO-2. Practice on MS word
- CO-3. Work on M S excel
- CO-4. Demonstrate the Working M S PowerPoint
- CO-5. Develop documents using MS word, MS Excel and MS PowerPoint.

Course Outcomes (COs)

Course Title & Code: Fashion Illustrations (FDC104A)

After the successful completion of this course, the student will be able to:

- CO-1. Explain the history of fashion, psychology and research on fashion
- CO-2. Describe the theories related to fashion clothing, colors, fashion identity, and
- CO-3. Sketch human figures of various types
- CO-4. Render the fabric with different textures and illustrate the costumes
- CO-5. Develop designer folio with design concepts

Course Outcomes (COs)

Course Title & Code: Fabric Science (FDC105A)

After the successful completion of this course, the student will be able to:

- CO-1. Describe yarn preparatory processes for fabric formation
- CO-2. Explain the process of fabric formation using weaving, knitting and non-woven methods
- CO-3. Explain general properties, weave characteristics and end use of different fabrics
- CO-4. Develop or Create checker board design, analyse elements of woven design and geometrical characteristics for different fabrics
- CO-5. Suggest fabric for a desired end use based on analysis



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Course Title & Code: Garment Manufacturing-I (FDC106A)

After the successful completion of this course, the student will be able to:

- CO-1. Explain human anatomy, body measurements, and problem figures
- CO-2. Discuss different methods of pattern making techniques and apparel accessories
- CO-3. Suggest techniques to handle special fabrics based on analysis, estimation and Spec sheet plan
- CO-4. Develop patterns by applying various pattern making techniques
- CO-5. Construct Infant and children garments with specs plan

Course Outcomes (COs)

Course Title & Code: Textile Craft and Fashion Accessories (FDD102A)

After the successful completion of this course, the student will be able to:

- CO-1. Explain the different textile crafts and accessories
- CO-2. Explain the tools, materials, techniques and procedures used in development of textile craft and accessories
- CO-3. Explain different textures and colour combinations used in textile craft based on theme
- CO-4. Develop materials for promotion and promote the sales of crafts and accessories
- CO-5. Develop Products using different textiles materials and techniques

Course Outcomes (COs)

Course Title & Code: Environmental Studies (BTN101A)

After the successful completion of this course, the student will be able to:

- CO-1. Illustrate the multidisciplinary nature of environmental studies and recognize the need for public awareness
- CO-2. Explain the various natural resources and their associated problems, ecosystem, and environmental pollution
- CO-3. Analyse the concept of ecosystem and classify various types
- CO-4. Compare biodiversity at local, national and global levels
- CO-5. Discuss various social issues pertaining to environment including sustainable development and energy

Course Outcomes (COs)

Course Title & Code: Health and wellbeing (AHU101A)

After the successful completion of this course, the student will be able to:

CO-1. To understand the definitions and scope of health, wellbeing and quality of life, and how they are changing in current times

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- CO-2. To understand the relationship between lifestyles and health and wellbeing; and science of Integrative Lifestyle based on modern and traditional approaches
- CO-3. To apply tools and methods related to different aspects of Integrative Lifestyle
- CO-4. To apply the concepts of comprehensive Integrative Lifestyle for improving health and wellbeing

Course Title & Code: Artificial Intelligence for Fashion (FDM102A)

After the successful completion of this course, the student will be able to:

- CO-1. Explain the impact of Artificial Intelligence in Fashion Industry
- CO-2. Discuss the various applications of Al in different departments of a Fashion Industry
- CO-3. Suggest different mapping techniques used in fashion industry
- CO-4. Discuss the working of AI for shopping behavior and Trend Forecasting
- CO-5. Analyze different case studies to understand application of AI in Fashion

Course Outcomes (COs)

Course Title & Code: Vectors and Raster's in Fashion Design (FDC201A)

After the successful completion of this course, the student will be able to:

- CO-1. Demonstrate skills in the use of vector and Raster specific capabilities for Fashion Design.
- CO-2. Apply skills using vector elements to create Croquis, Flat Sketches, Develop motifs and repeats
- CO-3. Apply skills using raster elements to create different boards, croquis and fabric rendering
- CO-4. Apply skills manipulate images and photographs
- CO-5. Develop Fashion Apparels using Vector and Raster Graphics

Course Outcomes (COs)

Course Title & Code: Textile Processing (FDC202A)

After the successful completion of this course, the student will be able to:

- CO-1. Explain the importance of Textile Processing
- CO-2. Classify dyes and dyeing methods
- CO-3. Describe various machineries and methods of processing of Textiles
- CO-4. Dye the yarns and print the fabrics with natural dyes and synthetic dyes
- CO-5. Apply different dyeing and printing techniques on textiles based on end uses Nersity



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Course Title & Code: Garment Manufacturing-II (FDC203A)

After the successful completion of this course, the student will be able to:

- CO-1. Describe the techniques and principles of pattern preparation for women's wear
- CO-2. Explain various principles of fitting and suggest suitable remedies
- CO-3. Discuss the draping methods for different kinds of couture garments.
- CO-4. Construct the women garments and prepare the spec plan
- CO-5. Designing and visualization of women's wear by draping styles

Course Outcomes (COs)

Course Title & Code: Sustainable Fashion (FDO201A)

After the successful completion of this course, the student will be able to:

- CO-1. Explain the environmental impact and sustainability in textile, apparel and fashionrelated industries
 - CO-2. Describe the business models related to up cycling and recycling of fashion
 - CO-3. Discuss on textile, fashion and apparel waste management process and the importance of sustainable fashion apparels
 - CO-4. Analyse the materials, technologies and design process for development of sustainable fashion apparels.
 - CO-5. Creation of sustainable fashion products and their promotion

Course Outcomes (COs)

Course Title & Code: English for Communication-2 (TSM102A)

After the successful completion of this course, the student will be able to:

- CO-1. Explain the nuances of professional communication
- CO-2. Compose professional written document as appropriate
- CO-3. Discuss the importance of Time and Stress Management
- CO-4. Practice basic presentation skills, group discussion and debating skills
- CO-5. Demonstrate comprehension of complex document

Course Outcomes (COs)

Course Title & Code: Internship/Training/ Project (FDM202A)

After the successful completion of this course, the student will be able to:

CO-1. Identify the need for developing a new or improving an existing apparel and accessories through an organised survey of literature

CO-2. Develop fashion design specification

CO-3. Design and develop apparel and accessories to meet the design specifications

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- co-4. Evaluate and justify the performance of the apparel and accessories
- CO-5. Demonstrate the working of the apparel and accessories and make a presentation Write a technical report

Course Title & Code: Fashion Styling and Choreography (FDC204A)

After the successful completion of this course, the student will be able to:

- CO-1. Describe the fundamentals required for Fashion styling
- CO-2. Explain the categories of fashion shows and models
- CO-3. Discuss on choreography planning and importance
- CO-4. Execute the fashion Styling plan and construction of costume
- CO-5. Show case and promotion of constructed costume in any an event

Course Outcomes (COs)

Course Title & Code: 3D in Fashion Design (FDC205A)

After the successful completion of this course, the student will be able to:

- CO-1. Demonstrate skills to convert 2D to 3D with Geometric Modelling and Lighting Techniques
- CO-2. Apply skills using vector elements to create Croquis, Flat Sketches, Develop motifs and repeats
- CO-3. Apply skills using software to develop croquis and avatars
- CO-4. Manipulate different wears onto avatars
- CO-5. Develop Fashion Apparels using 3D software

Course Outcomes (COs)

Course Title & Code: Advanced Apparel Manufacturing and Technology (FDC206A)

After the successful completion of this course, the student will be able to:

- CO-1. Explain the latest machines used in designing a garment
- CO-2. Discuss the technological advancement in the production process from sampling to finishing techniques
- CO-3. Discuss the trends in the apparel manufacturing process
- CO-4. Design garments for men, women and children adopting new technology
- CO-5. Construct an innovative garment for men, women and children



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Course Title & Code: Fashion for Technical and Smart Applications (FDO202A)

After the successful completion of this course, the student will be able to:

- CO-1. Explain the technical textiles and its application in Fashion industry
- CO-2. Describe the different types of technical Textiles
- CO-3. Discuss various categories of geo and medical textiles
- CO-4. Analyse the medical and surgical applications of technical textiles
- CO-5. Case studies and reports on compatibility of technical and smart textiles for holistic society applications

Course Outcomes (COs)

Course Title & Code: Innovation and Entrepreneurship (BAU201A)

After the successful completion of this course, the student will be able to:

- CO-1. Explain the concepts and process of Innovation as well as entrepreneurship
- CO-2. Construct and apply the idea generation techniques
- CO-3. Discuss the opportunities for launching of new venture and various entry strategies
- CO-4. Examine innovative ideas for the creation and management of entrepreneurship
- CO-5. Formulate and present a viable business plan to the investors appraisal

Course Outcomes (COs)

Course Title & Code: Fashion Trends and Forecasting (FDC301A)

After the successful completion of this course, the student will be able to:

- CO-1. Describe fashion movement through various theories
- CO-2. Explain fashion forecasting and dynamics
- CO-3. Discuss the synthesis and analysis of fashion trends
- CO-4. Apply design concepts and fashion trends to develop a brand
- CO-5. Forecast future trends for different seasons

Course Outcomes (COs)

Course Title & Code: Surface Development and Embellishments (FDC302A)

After the successful completion of this course, the student will be able to:

- CO-1. Explain the materials, motifs, designs and tools used for surface embellishments
- CO-2. Explain embroidery stitches, embellishment techniques and application on fabrics
- CO-3. Discuss the application of basic, traditional embroideries and surface embellishments in fashion contemporary product development
- CO-4. Design and create swatches or products of basic and traditional embroideries
- CO-5. Develop products using various surface embellishment techniques based on inspirations

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Course Title & Code: Fashion Event Management (FDC303A)

After the successful completion of this course, the student will be able to:

- CO-1. Describe the role of the event management
- CO-2. Explain the fashion advertising and marketing techniques
- CO-3. Discuss the responsibility, promotion and public relations in fashion promotion
- CO-4. Analyze the communication, tools & presentation with context to events
- CO-5. Plan and execution of a fashion event

Course Outcomes (COs)

Course Title & Code: Project Management (TSN201A)

After the successful completion of this course, the student will be able to:

- CO-1. Explain the characteristics of projects, Operations and principles of Project Management
- CO-2. Discuss the Project Management Competency Elements as per PMA's Individual Competence Baseline Ver 4.0
- CO-3. Discuss the tools for Project Execution, Monitoring and control
- CO-4. Apply the tools for project planning and Create a Project Management Plan covering Project Charter, Work Breakdown Structure, Project Organisation, Time Management Plan and Risk Management Plan

Course Outcomes (COs)

Course Title & Code: Internship/Training (FDM301A)

After the successful completion of this course, the student will be able to:

- CO-1. Identify the need for developing a new or improving an existing apparel and accessories through an organised survey of literature
- CO-2. Develop fashion design specification
- CO-3. Design and develop apparel and accessories to meet the design specifications
- CO-4. Evaluate and justify the performance of the apparel and accessories
- CO-5. Demonstrate the working of the apparel and accessories and make a presentation Write a technical report

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Course Outcomes (COs)

Course Title & Code: Portfolio and Design Development (FDC304A)

After the successful completion of this course, the student will be able to:

CO-1. Describe the process required to develop a portfolio Describe the various merchandise used in fashion show

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- CO-2. Explain the importance of Fashion portfolio
- CO-3. Design and develop mood, color, swatch and inspiration boards for developed designs and products
- CO-4. Develop fashion portfolio with originality, technicality, creativity and design aesthetics Showcase the collections for career development

Course Title & Code: Apparel Finishing, Testing and Quality (FDC305A)

After the successful completion of this course, the student will be able to:

- CO-1. Describe the finishing processes and fabric care methods for textiles and garments
- CO-2. Describe the procedures for sample preparation for Testing
- CO-3. Describe various machineries and methods for Testing and inspection of apparels
- CO-4. Inspect and Analyse the quality of textile materials and production process in apparel industry according to standard procedures
- CO-5. Suggest appropriate Test methods and quality standards for fibres, yarns, fabrics and apparels

Course Outcomes (COs)

Course Title & Code: Occasional and Functional Clothing (FDC306A)

After the successful completion of this course, the student will be able to:

- CO-1. Describe the importance of bridal wear
- CO-2. Explain the desirable properties required for occasional and functional clothing
- CO-3. Discuss the different types of occasional dresses
- CO-4. Design occasional and functional clothing through various draping styles
- CO-5. Plan and execute strategy for promotion of designed occasional clothing

Course Outcomes (COs)

Course Title & Code: Research Methodology (FDU301A)

After the successful completion of this course, the student will be able to:

- CO-1. Describe the value, scope, relevance and mandatory steps of research as well as principles of effective research
- CO-2. Discuss the application and utility of the Systematic approach and out of box thinking concepts for research to be effective
- co-3. Discuss the procedures outlined for a systematic Literature Review
- CO-4. Analyze and prepare well-structured research proposal and research paper invoking clearly outlined principles
- CO-5. Identify and apply the essential skills desirable for an effective technical/presentation



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Course Title & Code: Personality Development and Soft Skills (FDUM303A)

After the successful completion of this course, the student will be able to:

- CO-1. Identify the behavioral styles for managing self-perception
- CO-2. Explain the importance of positive attitude in design industry
- CO-3. Explain the nuances of leadership and Cross Cultural Communication
- CO-4. Apply appropriate interpersonal skills in professional context
- CO-5. Apply time management and stress management skills & Demonstrate appropriate interview skills

Course Outcomes (COs)

Course Title & Code: Group Project (FDP301A)

After the successful completion of this course, the student will be able to:

- CO-1. Identify the need for developing a new or improving an existing fashion apparel/accessories through an organised survey of literature
- CO-2. Define fashion design specification
- CO-3. Design and develop fashion apparel/accessories to meet the design specifications
- co-4. Evaluate and justify the performance of the developed fashion apparel/accessories
- CO-5. Demonstrate the working of the fashion apparel/accessories and make a presentation and Write a technical report

Course Outcomes (COs)

Course Title & Code: Haute Couture and Costume Designing (FDC401A)

After the successful completion of this course, the student will be able to:

- CO-1. Explain the Haute Couture fashion origin, history and execution plan
- CO-2. Describe the role and variations of costumes in individual expression
- CO-3. Discuss the relevance of costumes for stage and theatre performances
- CO-4. Analyse the fashion designers of the world and prepare a portfolio of Haute Couture design
- CO-5. Create costume for a specific role and performance

Course Outcomes (COs)

Course Title & Code: Jewellery and Footwear Designing (FDC402A)

After the successful completion of this course, the student will be able to:

CO-1. Explain the various tools, processes, processing conditions and their limitations in making Jewellery

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- CO-2. Describe the basics of shoe and anatomy of shoe and foot for designing foot wear
- CO-3. Discuss the various materials used in making traditional, contemporary and precious Jewellery
- CO-4. Analyse the anatomy of foot wear used for different purposes
- CO-5. Design and develop foot wear & Jewellery using appropriate materials and method for a particular use

Course Title & Code: Fashion Design Project Final/ Internship Project (FDP401A)

After the successful completion of this course, the student will be able to:

- CO-1. Identify the need for developing a new or improving an existing apparel and accessories through an organised survey of literature
- CO-2. Develop fashion design specification
- CO-3. Design and develop apparel and accessories to meet the design specifications
- CO-4. Evaluate and justify the performance of the apparel and accessories
- CO-5. Demonstrate the working of the apparel and accessories and make a presentation Write a technical report

Course Outcomes (COs)

Course Title & Code: Power Dressing (FDC403A)

After the successful completion of this course, the student will be able to:

- CO-1. Describe the evolution of power dressing in contemporary world
- CO-2. Explain the essential wardrobe required for men's and women's power dressing
- CO-3. Discuss different types of power dressing
- CO-4. Analyse the difference in types of power dressing
- CO-5. Design and develop power dressing for suitable client

Course Outcomes (COs)

Course Title & Code: Fashion Merchandising and Exports (FDC404A)

After the successful completion of this course, the student will be able to:

- CO-1. Explain the importance of fashion merchandising and Exports in Apparel Industry
- CO-2. Describe the role of merchandiser in materials sourcing, production planning and costing
- CO-3. Discuss the principles, techniques of fashion merchandising
- CO-4. Discuss the importance of documentation process for exports or imports and Preshipment inspection in apparel industry
- CO-5. Analyse production and merchandising cost and execute a production and merchandise plan for a particular product for export



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Course Title & Code: Research (FDR401A)

After the successful completion of this course, the student will be able to:

- CO-1. Critically review scholarly literature collected from various sources for the project purpose and formulate a research problem
- CO-2. Prepare and present a research proposal
- CO-3. Conduct research to achieve research objectives
- CO-4. Propose new ideas/methodologies or procedures for further improvement of the research undertaken
- CO-5. Create research document and write research papers for publications and Defend the

Course Outcomes (COs)

Course Title & Code: Internship (FDR401B)

After the successful completion of this course, the student will be able to:

- CO-1. Identify the need for developing a new or improving an existing apparel and accessories through an organised survey of literature
- CO-2. Develop fashion design specification
- CO-3. Design and develop apparel and accessories to meet the design specifications
- CO-4. Evaluate and justify the performance of the apparel and accessories
- CO-5. Demonstrate the working of the apparel and accessories and make a presentation Write a technical report

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