

M.S. Ramaiah University of Applied Sciences

New BEL Road, MSR Nagar, Bangalore – 560054



**RAMAIAH
UNIVERSITY**
OF APPLIED SCIENCES

PO, PSO, PEO & CO

Programme: M.Des. in Fashion Design

Programme Code: 304

Programme Outcome (PO)

Programme Specific Outcome (PSO)

Program Educational Objectives (PEO)

Course Outcomes (CO)

Dean

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: M. Des. In Fashion Design

Programme Outcomes (PO's)

M. Des. Graduates will be able to:

- PO 1. Apply knowledge of art and Design fundamentals to solve complex problems in product development
- PO 2. Identify design problems, interpret data and arrive at meaningful conclusions involving design inferences
- PO 3. Design an artefact considering functionality, usability and safety, and the cultural, societal, and environmental considerations
- PO 4. Ability to comprehend and solve complex design problems by interacting with the end users
- PO 5. Apply appropriate tools and techniques and comprehend utilization of resources appropriately to complex design activities
- PO 6. Ability to comprehend the effect of design solutions on legal, cultural, social and functional and safety aspects
- PO 7. Ability to develop sustainable solutions and comprehend their effect on society and environment
- PO 8. Apply ethical principles to design practices and professional responsibilities
- PO 9. Ability to work as a member of a team, to plan and to integrate knowledge of various design and engineering disciplines and to lead teams in multidisciplinary settings
- PO 10. Ability to make effective oral presentations and communicate design ideas to a broad audience using written and oral means
- PO 11. Ability to lead and manage multidisciplinary teams by applying design and management principles
- PO 12. Ability to adapt to the changes and advancements in technology and engage in independent and life-long learning

Programme Specific Outcomes (PSOs)

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

- PSO-1. Describe the fundamental of designs, textiles, and patterns processes for garment construction, manufacturing, and quality control
- PSO-2. Explore new styles and designs using the interplay of elements and principles, fabrics, cut and fit for manufacturability of mass-market fashion goods and accessories with ample communication and professional development
- PSO-3. Analyse the emerging trends in the fashion industry by ideation, conceptualization, and portfolio development with a wide view on sustainability, quality, and promotion aspects
- PSO-4. Adopt to the chosen profession by continuously upgrading his/her professional skills through life-long learning philosophy and strive for the betterment of organization, environment, and society



Program Educational Objectives (PEOs)

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

- PEO-1. Impart students a strong foundation in principles of fashion design, illustration, textiles, apparels on account to develop creative and innovative designs using manual and digital techniques
- PEO-2. Construct need, functionality and theme-based advanced costumes for different sectors of humanity with due considerations of apparel quality, sustainability, and environmental factors and promote them through various media as fashion shows, window display, and advertisements
- PEO-3. Analyses the current textile, apparel, and fashion market and solve the problems to meet the industrial and consumer demands and needs
- PEO-4. Demonstrate the professional and entrepreneurial skills by inculcating strong human values, interpersonal and leadership qualities required to foray into the world of fashion design to become successful in evolving global professional environments

Course Outcomes (COs)

Course Title & Code: Integral Fashion Styles and Illustration (19FSD501B)

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

- CO-1. Explain different art media for fashion sketching
- CO-2. Describe and render different fabric samples on garment components
- CO-3. Illustrate different fashion Croquis with different styles
- CO-4. Illustrate and render different fashion accessories using art media
- CO-5. Develop sources of inspiration for Fashion Illustration
- CO-6. Apply different art media for fashion sketching

Course Outcomes (COs)

Course Title & Code: Concurrent Textiles (19FSD501B)

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

- CO-1. Explain the currently used textile fibres, yarns and fabrics
- CO-2. Describe the advanced functional finishes, dyes and prints applied to concurrent textiles
- CO-3. Discuss different types of innovative textiles, hygienic clothing/ cosmo textiles/smart textiles
- CO-4. Test the fibers, yarns and fabrics for various performance properties
- CO-5. Dye and print the fabric with latest wet processing techniques and Evaluate the methods and challenges faced by textile processing industry and remedies



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Course Outcomes (COs)

Course Title & Code: Digital Fashion Designing (19FSD503B)

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

- CO-1. Explain the role of computers in the field of Fashion Design
- CO-2. Create different types of weave patterns
- CO-3. Illustrate different boards, fashion croquis and develop new designs
- CO-4. Sketch different garments on fashion croquis
- CO-5. Apply pattern making Skills using CAD
- CO-6. Prepare Spec Sheet and cost sheet of a product

Course Outcomes (COs)

Course Title & Code: Apparel Style and Forecasting (19FSD504B)

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

- CO-1. Explain the design concepts, process and technologies in apparel Industry
- CO-2. Describe the market dynamics for apparels
- CO-3. Analyze the strategies for apparel promotion
- CO-4. Apply design concepts and construct the apparels based on styles and theme
- CO-5. Create an apparel advertising based on a theme and Forecast, Show case a window display based on the constructed apparel

Course Outcomes (COs)

Course Title & Code: Research Methodology (19HST501B)

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. Analyse 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 Outcomes (COs)

Course Title & Code: Skill Enhancement Course - 1 (19SEM501B)

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

- CO-1. Synthesize the challenges and objectives of the chosen task
- CO-2. Discuss the effectiveness of the task performed
- CO-3. Prepare effective presentations to communicate ideas / concepts / new learnings

Course Outcomes (COs)

Course Title & Code: Fashion Photography and Visual Merchandising (19FSD505B)

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

- CO-1. Design the process of photography in fashion shows
- CO-2. Analyze the difference between outdoor and indoor photography in terms of lighting equipment and techniques
- CO-3. Create a fashion catalogue using the photographs taken during the fashion show
- CO-4. Describe the importance and elements of visual merchandising
- CO-5. Analyze and suggest the display strategy for a given scenario
- CO-6. Develop and implement creative design for a given merchandise

Course Outcomes (COs)

Course Title & Code: Smart and Innovative Fashion (19FSD506B)

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

- CO-1. Explain the smart fashionable
- CO-2. Describe smart clothing as expression, comfort and functionality
- CO-3. Discuss the importance of IPR protection and patents for smart innovative fashionable apparels
- CO-4. Analyse the materials, technologies and design process for smart apparels
- CO-5. Create of smart and innovative Surface embellishments on fashion apparels, Plan and execute strategy for fashion related events/ boutique/ Apparel units

Course Outcomes (COs)

Course Title & Code: Fashion Design for Environment and Sustainability (19FSD507B)

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

- CO-1. Explain the various environmental pollutions their causes, effects and control measures



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- CO-2. Explain the various textile process in textile industry and the pollutants of the process
- CO-3. Explain the characteristics and treatment methods of effluents emerging from textile and fashion industry
- CO-4. Discuss the eco-friendly alternatives adapted in textile and garment industry
- CO-5. Discuss the social issues concerned with environment and fashion industry
- CO-6. Discuss the responsibilities of government and non-governmental organization in addressing the issues of environmental pollution

Course Outcomes (COs)

Course Title & Code: Textile and Apparel Evaluation (19FSD511B)

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

- CO-1. Explain the importance of quality and quality standards of textile and apparels for manufacturers and consumers
- CO-2. Explain the standards, Eco specifications and restriction applied in apparel and textile industry
- CO-3. Discuss the evaluation methods of constructional, durability, comfort and handle of textile and apparels
- CO-4. Discuss the testing and evaluation standards of functional and technical textiles
- CO-5. Discuss the importance of colour measurements and evaluation of dyed and printed apparel, Analyse and Suggest appropriate evaluation methods for textiles and apparels used in different applications

Course Outcomes (COs)

Course Title & Code: Fashion Merchandising and Boutique Management (19FSD512B)

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

- CO-1. Develop and deliver effective presentations, conduct and participate in meetings and use the specific tactics to improve negotiation skills
- CO-2. Impart merchandising skills and merchandising knowledge in the field of apparel and textile
- CO-3. Use knowledge of merchandising in fashion industry in understanding Production activities and Productivity involved in a garment unit
- CO-4. Explain the role of boutique in present day world, Plan and organize a store
- CO-5. Visually merchandize the fashion product and have knowledge in different fashion brands and organize commercial shows like trade show, fashion show and exhibitions


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Course Outcomes (COs)

Course Title & Code: Functional and Technical Apparels (19FSD521B)

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

- CO-1. Explain the fibre types and their properties used in making of technical and functional textiles
- CO-2. Explain the types and properties of functional and technical textiles
- CO-3. Discuss the applications of Geo textiles, medical textiles, filtration textiles and functional textiles
- CO-4. Discuss the importance and application of Finishes for Functional Textiles
- CO-5. Analyse the applications of protective, automotive, coated and laminated, ropes and cordages and building textiles
- CO-6. Suggest appropriate functional and technical textiles for a specific end-use

Course Outcomes (COs)

Course Title & Code: Need Based Garment Production (19FSD522B)

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

- CO-1. Explain the steps and process involved in designing special garment categories
- CO-2. Analyses of different types of figures and design analysis
- CO-3. Describe the emerging trends in garment production concepts
- CO-4. Design garments for different needs based on theme and comfort factors
- CO-5. Construct an innovative need based garment design

Course Outcomes (COs)

Course Title & Code: Industry Internship / Mini Project (19FSD595B)

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

- CO-1. Describe the organization structure of the industry/business
- CO-2. Identify Business objectives of the organization
- CO-3. Describe the various departments of the organization and their activities and responsibilities to meet the business objectives
- CO-4. Discuss the limitations and new opportunities for growth of the organization
- CO-5. Express the education and skill requirement of graduates to pursue their career in industry



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Course Title & Code: Group Project (19FSD599B)

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

- CO-1. Describe the organization structure of the industry/business
- CO-2. Identify Business objectives of the organization
- CO-3. Describe the various departments of the organization and their activities and responsibilities to meet the business objectives
- CO-4. Discuss the limitations and new opportunities for growth of the organization
- CO-5. Express the education and skill requirement of graduates to pursue their career in industry

Course Outcomes (COs)

Course Title & Code: Portfolio and Design Development (19FSD531B)

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

- CO-1. Explain contemporary fashion and stages of development of costumes
- CO-2. Explain designers roles in the development of portfolio based on fashion forecast
- CO-3. Discuss the process of costing pricing, promotion and branding of designer wear
- CO-4. Elucidate the theme based design development process based on pattern making techniques
- CO-5. Suggest and develop designs based on choice of the consumer
- CO-6. Showcase the designs developed through fashion shows and presentation

Course Outcomes (COs)

Course Title & Code: Skill Enhancement Course - 2 (19SEM502B)

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

- CO-1. Synthesize the challenges and objectives of the chosen task
- CO-2. Discuss the effectiveness of the task performed
- CO-3. Prepare effective presentations to communicate ideas / concepts / new learnings

Course Outcomes (COs)

Course Title & Code: Dissertation and Publication (19FSD600B)

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


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- 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 research findings in front of scholarly audience



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