

## SWARRNIM INSTITUTE OF DESIGN

### Bachelor of Fashion Design

#### Program Outcome - Course Outcome Matrix

##### Program Outcome (PO)

**PO1: Creative and Technical Skills:** Graduates will be able to apply advanced creative, conceptual, and technical skills to create innovative and functional fashion designs, blending aesthetics and functionality while addressing consumer needs and market trends.

**PO2: Critical Thinking and Problem Solving:** Students will develop the ability to critically analyse fashion trends, consumer behaviour, and market demands, applying innovative solutions to design challenges and adapting to emerging trends in the global fashion industry.

**PO3: Sustainability and Ethics:** Graduates will possess an understanding of the ethical, social, and environmental impact of fashion design, advocating for sustainable practices in material sourcing, production processes, and lifecycle management of fashion products.

**PO4: Fashion History and Cultural Awareness:** Students will gain a deep knowledge of the historical, social, and cultural influences on fashion, enabling them to create designs that are contextually relevant and culturally sensitive, while also contributing to the evolution of fashion trends.

**PO5: Communication and Presentation Skills:** Graduates will develop strong visual and verbal communication skills, effectively conveying design concepts through sketches, digital presentations, mood boards, and technical specifications to a range of stakeholders, including clients, manufacturers, and marketers.

**PO6: Technical Proficiency in Fashion Technology:** Students will be proficient in the use of fashion technology and digital tools, such as CAD software and garment production technologies, enabling them to create detailed patterns, prototypes, and production-ready designs.

**PO7: Entrepreneurial and Business Acumen:** Graduates will possess foundational knowledge in business management, fashion marketing, and entrepreneurship, equipping them to launch and manage their own fashion labels or work successfully within established fashion enterprises.

**PO8: Collaboration and Teamwork:** Students will develop the ability to work collaboratively in multidisciplinary teams, engaging with professionals from various fields such as textile design, merchandising, production, and marketing to bring comprehensive fashion collections to market.

**PO9: Professional and Personal Development:** Graduates will demonstrate a commitment to continuous personal and professional development, staying updated with new technologies, design innovations, and global fashion trends to maintain competitiveness in the fashion industry.

**PO10: Global and Local Market Understanding:** Students will understand both local and global fashion markets, including consumer behaviour, production practices, and distribution channels, allowing them to cater to diverse audiences and expand into international markets.

These outcomes ensure that graduates of the Master of Planning program are well-prepared to take on leadership roles in urban and regional planning, policy-making, and sustainable development across different contexts.

Below CO-PO Mapping Matrix for **B.FD** program, aligned with the stated Program Outcomes (POs) using a standard 3-2-1 scale:

- 3 = Strongly aligned
- 2 = Moderately aligned
- 1 = Slightly aligned
- (blank) = Not significantly aligned

**Bachelor of Fashion Design**

Semester-01

**Course Title: DESIGN COMMUNICATION (33000002)**
**Course Outcomes (Cos)**

- CO1: Ability to express design concepts effectively through various media.
- CO2: Understanding of visual communication principles in fashion.
- CO3: Proficiency in using software tools for design communication.
- CO4: Presentation of design ideas through sketches and digital tools.
- CO5: Collaboration and teamwork in fashion communication projects.

| CO / PO | PO1  | PO2  | PO3 | PO4  | PO5  | PO6  | PO7 | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|-----|------|------|------|-----|------|------|------|--------------------|
| CO1     | 3    | 1    | -   | 1    | 3    | 1    | -   | -    | 3    | -    | 2                  |
| CO2     | 2    | 3    | -   | 1    | 3    | 1    | -   | -    | 3    | -    | 2.17               |
| CO3     | -    | 1    | -   | -    | 3    | 2    | -   | -    | 3    | -    | 2.25               |
| CO4     | 3    | 2    | -   | 1    | 3    | 3    | -   | 2    | 3    | -    | 2.43               |
| CO5     | 2    | 2    | -   | 1    | 3    | 1    | -   | 3    | 3    | -    | 2.14               |
| Average | 2.50 | 1.80 | -   | 1.00 | 3.00 | 1.60 | -   | 2.50 | 3.00 | -    | 2.20               |

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Semester-01

**Course Title: DESIGN APPRECIATION (33000003)**
**Course Outcomes (Cos)**

- CO1: Understanding the evolution of design movements and their influence on fashion.
- CO2: Ability to critically evaluate design aesthetics.
- CO3: Appreciation of design principles in various cultural contexts.
- CO4: Identifying the role of technology in design evolution.
- CO5: Understanding sustainability and ethics in design practices.

| CO / PO | PO1  | PO2  | PO3 | PO4  | PO5  | PO6  | PO7 | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|-----|------|------|------|-----|------|------|------|--------------------|
| CO1     | 3    | 2    | -   | 3    | 1    | -    | -   | -    | -    | -    | 2.25               |
| CO2     | 3    | 3    | -   | 2    | 2    | -    | -   | -    | -    | 1    | 2.2                |
| CO3     | 2    | 1    | 1   | 3    | -    | -    | -   | 1    | -    | 1    | 1.5                |
| CO4     | 1    | 2    | -   | -    | -    | 3    | -   | -    | 1    | 1    | 1.6                |
| CO5     | 1    | -    | 3   | 1    | -    | 1    | -   | -    | -    | 1    | 1.4                |
| Average | 2.00 | 2.00 | -   | 2.25 | 1.50 | 2.00 | -   | 1.00 | 1.00 | -    | 1.79               |

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Semester-02

**Course Title: FASHION DRAWING AND ILLUSTRATION - I (33050201)**
**Course Outcomes (Cos)**

- CO1: Understanding the basic principles of fashion drawing and human anatomy.
- CO2: Developing skills in sketching different poses and body proportions.
- CO3: Gaining expertise in rendering fabrics and textures in fashion illustrations.
- CO4: Learning to illustrate fashion garments and accessories with attention to detail.
- CO5: Understanding the application of color theory in fashion illustration.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | -   | -   | -   | 1   | -   | -   | -   | -   | -    | 2.00               |
| CO2     | 2   | -   | -   | -   | 1   | -   | -   | -   | -   | -    | 1.50               |
| CO3     | 3   | -   | -   | -   | 1   | 2   | -   | -   | -   | -    | 2.00               |
| CO4     | 3   | -   | -   | -   | 2   | 1   | -   | -   | -   | -    | 2.00               |
| CO5     | 2   | -   | -   | -   | 2   | -   | -   | -   | -   | -    | 2.00               |

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Semester-02

**Course Title: PATTERN MAKING- I (330050202)**
**Course Outcomes (Cos)**

- CO1: Understanding the basic principles and techniques of pattern making.
- CO2: Developing the ability to draft basic blocks and patterns for garments.
- CO3: Learning to apply measurements and body proportions in pattern development.
- CO4: Gaining skills in altering and grading patterns for different sizes.
- CO5: Understanding the importance of precision and accuracy in pattern making for garment construction.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | -   | -   | -   | -   | 2   | -   | -   | -   | -    | 2.50               |
| CO2     | 3   | -   | -   | -   | -   | 3   | -   | -   | -   | -    | 3.00               |
| CO3     | 2   | -   | -   | -   | -   | 3   | -   | -   | -   | -    | 2.50               |
| CO4     | 1   | -   | -   | -   | -   | 2   | -   | -   | -   | -    | 1.50               |
| CO5     | 2   | -   | -   | -   | 1   | 3   | -   | -   | -   | -    | 2.00               |

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Semester-02

**Course Title: DRAPING - I (33050203)**
**Course Outcomes (Cos)**

CO1: Understanding the basic principles of fabric draping on dress forms.

CO2: Developing the ability to create garment designs through draping techniques.

CO3: Gaining skills in manipulating fabric to achieve desired silhouettes and styles.

CO4: Learning to create garment patterns through draping techniques for different body types.

CO5: Understanding the importance of fabric behavior in draping for garment construction.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | -   | -   | -   | -   | -   | 2   | -   | -   | -    | 2.50               |
| CO2     | 3   | -   | -   | -   | 1   | -   | 3   | -   | -   | -    | 2.33               |
| CO3     | 3   | -   | -   | -   | -   | -   | 3   | -   | -   | -    | 3.00               |
| CO4     | 2   | -   | -   | -   | -   | -   | 2   | -   | -   | -    | 2.00               |
| CO5     | 2   | -   | -   | -   | -   | -   | 3   | -   | -   | -    | 2.50               |

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Semester-02

**Course Title: GARMENT CONSTRUCTION - I (330050204)**
**Course Outcomes (Cos)**

- CO1: Understanding the basic techniques and processes in garment construction.
- CO2: Developing skills in sewing, stitching, and finishing garments.
- CO3: Learning how to use different types of machines and tools in garment construction.
- CO4: Acquiring knowledge in constructing basic garments like skirts, blouses, and dresses.
- CO5: Understanding quality control measures and the importance of precision in garment production.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | -   | -   | -   | -   | 3   | -   | -   | -   | -    | 3.00               |
| CO2     | 3   | -   | -   | -   | 1   | 3   | -   | -   | -   | -    | 2.33               |
| CO3     | 3   | -   | -   | -   | -   | 3   | -   | -   | -   | -    | 3.00               |
| CO4     | 3   | -   | -   | -   | -   | 3   | -   | -   | -   | -    | 3.00               |
| CO5     | 2   | -   | -   | -   | 1   | 3   | -   | -   | -   | -    | 2.00               |

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Semester-02

**Course Title: SURFACE TECHNIQUES - I (33050205)**
**Course Outcomes (Cos)**

- CO1: Understanding various surface ornamentation techniques such as embroidery, block printing, and fabric painting.
- CO2: Developing skills in embellishing fabrics with different textures and patterns.
- CO3: Learning to combine traditional and contemporary surface techniques in fabric design.
- CO4: Gaining knowledge in using surface techniques to enhance the aesthetic appeal of garments.
- CO5: Understanding surface ornamentation's cultural significance and history in fashion.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | -   | -   | -   | -   | 1   | -   | -   | -   | -    | 2.00               |
| CO2     | 3   | -   | -   | -   | 1   | 2   | -   | -   | -   | -    | 2.00               |
| CO3     | 3   | -   | -   | 1   | 1   | 2   | -   | -   | -   | -    | 1.75               |
| CO4     | 3   | -   | -   | -   | 2   | 2   | -   | -   | -   | -    | 2.33               |
| CO5     | 1   | -   | -   | 3   | -   | -   | -   | -   | -   | -    | 2.00               |

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Semester-02

**Course Title: FABRIC STUDY (330050206)**
**Course Outcomes (Cos)**

- CO1: Understanding the properties and characteristics of various fabrics.
- CO2: Developing knowledge of the classification of textiles based on fiber type, weave, and finish.
- CO3: Learning the process of fabric production, from fiber to finished textile.
- CO4: Gaining the ability to select appropriate fabrics for different garment types.
- CO5: Understanding the impact of fabric quality on garment construction and design.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 2   | -   | 1   | -   | -   | 2   | -   | -   | -   | -    | 1.67               |
| CO2     | 1   | -   | -   | -   | -   | 2   | -   | -   | -   | -    | 1.50               |
| CO3     | 1   | -   | 2   | -   | -   | 3   | -   | -   | -   | -    | 2.00               |
| CO4     | 3   | -   | -   | -   | 1   | 3   | -   | -   | -   | -    | 2.33               |
| CO5     | 2   | -   | -   | -   | 1   | 3   | -   | -   | -   | -    | 2.00               |

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Semester-02

**Course Title: HISTORY OF DESIGN - I (33050207)**
**Course Outcomes (Cos)**

- CO1: Understanding the evolution of design and its significance through different historical periods.
- CO2: Developing knowledge of various design movements and their impact on fashion and society.
- CO3: Analyzing the cultural, social, and technological influences on design history.
- CO4: Gaining insight into iconic designers and their contributions to the field of fashion design.
- CO5: Learning to apply historical design concepts to contemporary fashion design practices.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | -   | -   | -   | 3   | -   | -   | -   | -   | -   | -    | 3.00               |
| CO2     | 1   | -   | -   | 3   | -   | -   | -   | -   | -   | -    | 2.00               |
| CO3     | 1   | 1   | -   | 3   | -   | -   | -   | -   | -   | -    | 1.67               |
| CO4     | 1   | -   | -   | 3   | -   | -   | -   | -   | -   | -    | 2.00               |
| CO5     | 2   | 1   | -   | 2   | 1   | -   | -   | -   | -   | -    | 1.50               |

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Semester-02

**Course Title: INTRODUCTION TO DESIGN (DCC) (23000007)**
**Course Outcomes (Cos)**

- CO1: Understanding the evolution of design and its significance through different historical periods.
- CO2: Developing knowledge of various design movements and their impact on fashion and society.
- CO3: Analyzing the cultural, social, and technological influences on design history.
- CO4: Gaining insight into iconic designers and their contributions to the field of fashion design.
- CO5: Learning to apply historical design concepts to contemporary fashion design practices.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | -   | -   | 1   | -   | -   | -   | -   | -   | -    | 2.00               |
| CO2     | 3   | 1   | -   | -   | -   | -   | -   | -   | -   | -    | 2.00               |
| CO3     | 3   | -   | -   | -   | 3   | 3   | -   | -   | -   | -    | 3.00               |
| CO4     | 2   | -   | -   | -   | 1   | -   | -   | -   | -   | -    | 1.50               |
| CO5     | 1   | -   | -   | 3   | -   | -   | -   | -   | -   | -    | 2.00               |

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Semester-03

**Course Title: FASHION DRAWING AND ILLUSTRATION - II (33050301)**
**Course Outcomes (Cos)**

- CO1: Develop advanced fashion drawing techniques to depict garments and accessories with accurate proportions and detailing.
- CO2: Illustrate fashion figures with an emphasis on posture, movement, and fabric draping.
- CO3: Apply color theory and rendering techniques to create realistic and stylized fashion illustrations.
- CO4: Create digital illustrations using industry-standard software to produce high quality fashion presentations.
- CO5: Understand and incorporate diverse cultural influences in fashion illustration to reflect global fashion trends.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | -   | -   | -   | 3   | 1   | -   | -   | -   | -    | 2.33               |
| CO2     | 3   | -   | -   | -   | 3   | -   | -   | -   | -   | -    | 3.00               |
| CO3     | 2   | -   | -   | -   | 3   | -   | -   | -   | -   | -    | 2.50               |
| CO4     | 3   | -   | -   | -   | 3   | 3   | -   | -   | -   | -    | 3.00               |
| CO5     | 2   | 1   | -   | 3   | 2   | -   | -   | -   | -   | -    | 2.00               |

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Semester-03

**Course Title: GARMENT CONSTRUCTION - II (330050302)**
**Course Outcomes (Cos)**

- CO1: Apply advanced garment construction techniques to precisely produce tailored garments.
- CO2: Understand the technical aspects of different fabric types and how they influence garment construction.
- CO3: Construct complex garment components such as collars, cuffs, and tailored sleeves.
- CO4: Utilize industry-standard tools and equipment to ensure accurate garment fitting and finishing.
- CO5: Analyze and troubleshoot construction issues to improve garment quality and durability.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | -   | -   | -   | 2   | 3   | -   | -   | -   | -    | 2.67               |
| CO2     | 3   | -   | -   | -   | 1   | 3   | -   | -   | -   | -    | 2.33               |
| CO3     | 3   | -   | -   | -   | 2   | 3   | -   | -   | -   | -    | 2.67               |
| CO4     | 3   | -   | -   | -   | 3   | 3   | -   | -   | 2   | -    | 2.75               |
| CO5     | 2   | -   | -   | -   | 1   | 3   | -   | 1   | 1   | -    | 1.60               |

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Semester-03

**Course Title: PATTERN MAKING - II (33050304)**
**Course Outcomes (Cos)**

- CO1: Develop advanced pattern-making techniques for creating complex garment structures.
- CO2: Understand the technical aspects of draping, flat pattern-making, and drafting for diverse body types.
- CO3: Create patterns for tailored garments, including jackets, blazers, and outerwear.
- CO4: Apply industry-standard tools and techniques to ensure precision in pattern grading and cutting.
- CO5: Analyze fit issues and make pattern adjustments to ensure proper garment fitting.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | 2   | -   | -   | 1   | 3   | -   | -   | -   | -    | 2.25               |
| CO2     | 3   | 2   | -   | -   | 1   | 3   | -   | -   | -   | -    | 2.25               |
| CO3     | 3   | 1   | -   | -   | -   | 3   | -   | -   | -   | -    | 2.33               |
| CO4     | 3   | -   | -   | -   | 1   | 3   | -   | -   | 1   | -    | 2.00               |
| CO5     | 3   | -   | -   | -   | 1   | 3   | -   | -   | 1   | -    | 2.00               |

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Semester-03

**Course Title: DRAPING - II (33050305)**
**Course Outcomes (Cos)**

- CO1: Develop advanced draping techniques for complex garment designs, including asymmetrical and sculptural shapes.
- CO2: Understand fabric behavior and how different textiles affect draping outcomes and garment structure.
- CO3: Apply precision in draping tailored garments such as jackets, coats, and structured dresses.
- CO4: Utilize advanced draping tools and equipment to create professional-quality garments.
- CO5: Troubleshoot and refine draped designs to achieve optimal fit, balance, and silhouette.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | 2   | -   | -   | 1   | -   | 3   | -   | -   | -    | 2.25               |
| CO2     | 3   | 1   | -   | -   | -   | -   | 3   | -   | -   | -    | 2.33               |
| CO3     | 3   | 1   | -   | -   | 1   | -   | 3   | -   | -   | -    | 2.00               |
| CO4     | 3   | -   | -   | -   | 1   | -   | 3   | -   | -   | -    | 2.33               |
| CO5     | 3   | -   | -   | -   | 1   | -   | 3   | -   | 1   | -    | 2.00               |

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Semester-03

**Course Title: SURFACE TECHNIQUES - II (33050306)**
**Course Outcomes (Cos)**

- CO1: Develop advanced draping techniques for complex garment designs, including asymmetrical and sculptural shapes.
- CO2: Understand fabric behavior and how different textiles affect draping outcomes and garment structure.
- CO3: Apply precision in draping tailored garments such as jackets, coats, and structured dresses.
- CO4: Utilize advanced draping tools and equipment to create professional-quality garments.
- CO5: Troubleshoot and refine draped designs to achieve optimal fit, balance, and silhouette.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | 2   | 1   | -   | -   | 3   | -   | -   | 2   | -    | 2.20               |
| CO2     | 3   | 1   | -   | -   | -   | 3   | -   | -   | 1   | -    | 2.00               |
| CO3     | 3   | -   | -   | -   | -   | 3   | -   | -   | 1   | -    | 2.33               |
| CO4     | 2   | -   | -   | -   | -   | 3   | -   | -   | 1   | -    | 2.00               |
| CO5     | 3   | 1   | -   | -   | 1   | 3   | -   | -   | 2   | -    | 2.00               |

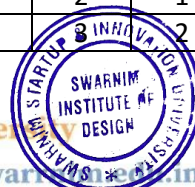
**Bachelor of Fashion Design**

Semester-03

**Course Title: FASHION THEORY AND OVERVIEW (LOOKS AND STYLING) (33050307)**
**Course Outcomes (Cos)**

- CO1: Understand the key theories of fashion, including the history and evolution of styles, trends, and cultural influences.
- CO2: Analyze fashion movements and how social, political, and economic factors shape fashion trends and styling choices.
- CO3: Develop the ability to create fashion looks by integrating various elements such as clothing, accessories, and hairstyles for different occasions and purposes.
- CO4: Apply contemporary styling techniques to create visual fashion stories for editorial, commercial, or personal styling purposes.
- CO5: Evaluate the impact of sustainability and ethical considerations in styling and fashion presentation.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | -   | -   | 1   | -   | 2   | -   | 1   | -   | -    | 1.75               |
| CO2     | 3   | -   | 1   | 2   | -   | 3   | -   | 1   | 2   | -    | 2.00               |
| CO3     | 2   | -   | 3   | -   | -   | 2   | -   | 1   | 1   | -    | 1.80               |
| CO4     | 1   | -   | 3   | 2   | -   | 3   | -   | 2   | 2   | 1    | 2.00               |
| CO5     | 3   | -   | 1   | 1   | -   | 2   | -   | -   | 2   | 2    | 2.00               |



**Bachelor of Fashion Design**

Semester-04

**Course Title: FASHION DRAWING AND ILLUSTRATION - III (33050401)**
**Course Outcomes (Cos)**

- CO1: Master advanced techniques in fashion illustration, including the use of digital tools for rendering detailed designs.
- CO2: Develop the ability to illustrate complex garments and accessories, including layering, textures, and intricate detailing.
- CO3: Demonstrate proficiency in creating technical drawings and flat sketches for garment production.
- CO4: Apply knowledge of figure drawing and proportions to depict a wide range of body types and poses in fashion illustration.
- CO5: Integrate creativity and personal style in illustrations while adhering to industry standards and specifications.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | 1   | -   | -   | 3   | 3   | -   | -   | 2   | -    | 2.40               |
| CO2     | 3   | 2   | -   | -   | 3   | 2   | -   | -   | 2   | -    | 2.40               |
| CO3     | 2   | 1   | -   | -   | 3   | 3   | -   | -   | 1   | -    | 2.00               |
| CO4     | 2   | -   | -   | 1   | 3   | 3   | -   | -   | 1   | -    | 2.00               |
| CO5     | 3   | 1   | -   | 1   | 3   | 2   | -   | -   | 3   | -    | 2.17               |

**Bachelor of Fashion Design**

Semester-04

**Course Title: PATTERN MAKING - III (33050402)**
**Course Outcomes (Cos)**

- CO1: Master advanced pattern-making techniques for complex garment structures, such as asymmetrical designs and unconventional silhouettes.
- CO2: Develop the ability to draft patterns for tailored garments, including jackets, blazers, and suits with precision.
- CO3: Apply knowledge of fabric behavior to create patterns that ensure proper fit, structure, and drape.
- CO4: Demonstrate proficiency in grading patterns for different sizes while maintaining design integrity.
- CO5: Integrate digital pattern-making tools to enhance accuracy and efficiency in pattern development.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | 1   | -   | -   | 2   | 3   | -   | 1   | 2   | -    | 2.00               |
| CO2     | 3   | 1   | -   | -   | 2   | 2   | -   | -   | 2   | -    | 2.00               |
| CO3     | 3   | -   | -   | -   | 2   | 3   | -   | -   | -   | -    | 2.25               |
| CO4     | 2   | -   | -   | -   | 2   | 2   | -   | 1   | -   | -    | 1.60               |
| CO5     | 3   | -   | -   | -   | 3   | 3   | -   | 1   | -   | -    | 2.40               |



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**Bachelor of Fashion Design**

Semester-04

**Course Title: DRAPING - III (33050403)**
**Course Outcomes (Cos)**

- CO1: Master advanced draping techniques for complex garment designs, including asymmetrical, structured, and layered silhouettes.
- CO2: Develop proficiency in draping various fabric types to create garments with proper fit, flow, and balance.
- CO3: Apply creative draping methods to translate design concepts into three dimensional garments.
- CO4: Demonstrate the ability to create draped garments for different body types and occasions, focusing on both aesthetics and functionality.
- CO5: Integrate digital tools and contemporary techniques to enhance the precision and efficiency of the draping process.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | 1   | -   | -   | 2   | 3   | -   | 1   | 1   | -    | 1.83               |
| CO2     | 3   | -   | -   | -   | 1   | 3   | -   | -   | 1   | -    | 2.00               |
| CO3     | 3   | 2   | -   | -   | 2   | 3   | -   | -   | 2   | -    | 2.40               |
| CO4     | 3   | 1   | -   | -   | 2   | 2   | -   | 1   | 2   | -    | 1.83               |
| CO5     | 2   | -   | -   | -   | 2   | 3   | -   | -   | 3   | -    | 2.50               |

**Bachelor of Fashion Design**

Semester-04

**Course Title: GARMENT CONSTRUCTION - III (33050404)**
**Course Outcomes (Cos)**

- CO1: Master advanced garment construction techniques, focusing on structured and tailored garments such as jackets, blazers, and coats.
- CO2: Develop proficiency in working with diverse fabrics and materials, ensuring high-quality finishes and durability.
- CO3: Demonstrate the ability to construct garments with complex design elements, including linings, pockets, and collars.
- CO4: Apply knowledge of garment construction to create designs that balance aesthetics with functionality and fit.
- CO5: Integrate digital tools and modern construction techniques to enhance garment production processes.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | 1   | -   | -   | 2   | -   | -   | 3   | 2   | -    | 2.20               |
| CO2     | 3   | -   | -   | -   | 1   | -   | -   | 2   | 1   | 1    | 1.60               |
| CO3     | 3   | 1   | -   | -   | 2   | -   | -   | 3   |     |      | 2.00               |
| CO4     | 3   | 2   | -   | -   | 2   | -   | -   | 2   |     |      | 2.00               |
| CO5     | 3   | 1   | -   | -   | 1   | -   | -   | 3   |     |      | 2.00               |



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**Bachelor of Fashion Design**

Semester-04

**Course Title: SURFACE TECHNIQUES - III (33050405)**
**Course Outcomes (Cos)**

- CO1: Master advanced surface embellishment techniques, including embroidery, printing, and fabric manipulation, for fashion textiles.
- CO2: Develop proficiency in combining multiple surface techniques to create unique, intricate designs for fashion garments.
- CO3: Apply knowledge of materials and surface design techniques to enhance the aesthetic and tactile quality of fabrics.
- CO4: Experiment with innovative surface design methods to create contemporary and avant-garde fashion statements.
- CO5: Integrate sustainable and ethical practices in surface design by using ecofriendly materials and reducing waste.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | 1   | -   | -   | 2   | -   | -   | -   | 2   | -    | 2.00               |
| CO2     | 3   | 2   | -   | -   | 2   | -   | -   | -   | 2   | 1    | 2.00               |
| CO3     | 2   | 1   | -   | -   | -   | -   | -   | -   | 1   | 1    | 1.25               |
| CO4     | 3   | 3   | -   | 1   | 2   | -   | -   | 1   | 3   | 1    | 2.00               |
| CO5     | 2   | 1   | 3   | -   | -   | -   | -   | -   | 3   | 1    | 2.00               |

**Bachelor of Fashion Design**

Semester-04

**Course Title: DESIGN PROCESS - I (33050406)**
**Course Outcomes (Cos)**

- CO1: Understand the fundamental stages of the design process, including research, ideation, and conceptualization for fashion collections.
- CO2: Develop the ability to create mood boards, inspiration boards, and concept sheets to effectively communicate design ideas.
- CO3: Apply design thinking to solve complex problems related to fashion design and translate them into innovative design solutions.
- CO4: Demonstrate proficiency in developing a cohesive design collection from concept to final designs, considering trends and market needs.
- CO5: Incorporate sustainable and ethical design practices throughout the design process, from ideation to production planning.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | 2   | -   | -   | -   | -   | -   | -   | 1   | -    | 2.00               |
| CO2     | 2   | 1   | -   | -   | 3   | -   | -   | -   | 1   | -    | 1.75               |
| CO3     | 3   | 3   | 1   | -   | 2   | -   | -   | -   | 1   | 1    | 2.00               |
| CO4     | 3   | 3   | -   | 1   | 2   | 1   | -   | 2   | 3   | 1    | 2.13               |
| CO5     | 2   | 1   | 3   | -   | -   | -   | -   | -   | 3   | 1    | 2.00               |



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**Bachelor of Fashion Design**

Semester-04

**Course Title: History of Design - II (33050407)**
**Course Outcomes (Cos)**

- CO1: Understand the evolution of design through various historical periods and its cultural significance.
- CO2: Analyze the influence of historical designs on contemporary fashion trends.
- CO3: Critically evaluate the impact of socio-political and technological changes on design movements.
- CO4: Apply knowledge of historical design trends to inspire and inform creative design solutions.
- CO5: Demonstrate an understanding of the relationship between art, design, and fashion throughout history.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 1   | -   | -   | 3   | -   | -   | -   | -   | -   | -    | 2.00               |
| CO2     | 2   | -   | -   | 3   | -   | -   | -   | -   | 1   | -    | 2.00               |
| CO3     | 2   | 1   | -   | 3   | -   | -   | -   | -   | 1   | 2    | 1.80               |
| CO4     | 3   | 2   | -   | 2   | -   | -   | -   | -   | 2   | 1    | 2.00               |
| CO5     | 2   | -   | -   | 3   | -   | -   | -   | -   | -   | 1    | 2.00               |

**Bachelor of Fashion Design**

Semester-04

**Course Title: Digital Design - II (33050408)**
**Course Outcomes (Cos)**

- CO1: Understand the fundamentals of digital design tools and software used in the fashion industry.
- CO2: Develop proficiency in creating digital illustrations, patterns, and layouts.
- CO3: Apply digital techniques to translate design concepts into virtual representations.
- CO4: Integrate technical skills in digital design with creative fashion design practices.
- CO5: Produce professional digital presentations and portfolios for fashion design projects.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 1   | -   | -   | -   | -   | 2   | -   | -   | 1   | -    | 1.33               |
| CO2     | 1   | -   | -   | -   | -   | 3   | -   | -   | 1   | -    | 1.67               |
| CO3     | 2   | -   | -   | -   | -   | 2   | -   | -   | 1   | 1    | 1.50               |
| CO4     | 3   | -   | -   | -   | 1   | 3   | -   | -   | 2   | 1    | 2.00               |
| CO5     | 1   | -   | -   | -   | 3   | 2   | -   | -   | 1   | -    | 1.75               |

**Bachelor of Fashion Design**

Semester-05

**Course Title: FASHION DRAWING AND ILLUSTRATION - IV (33050501)**
**Course Outcomes (Cos)**

- CO1: Master advanced techniques in fashion drawing and illustration, focusing on precision and detail.
- CO2: Create dynamic fashion illustrations that effectively communicate design concepts and garment details.
- CO3: Explore a variety of illustration styles and mediums to enhance visual storytelling in fashion design.
- CO4: Apply digital tools to produce professional-quality fashion illustrations.
- CO5: Demonstrate the ability to present a cohesive portfolio of fashion illustrations for a collection.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | -   | -   | -   | 2   | -   | -   | -   | -   | -    | 2.50               |
| CO2     | 3   | -   | -   | -   | 3   | -   | -   | -   | 1   | -    | 2.33               |
| CO3     | 2   | -   | -   | -   | 2   | -   | -   | -   | 1   | -    | 1.67               |
| CO4     | 2   | -   | -   | -   | 2   | 3   | -   | -   | 1   | -    | 2.00               |
| CO5     | 3   | -   | -   | -   | 3   | 2   | -   | -   | 1   | -    | 2.25               |

**Bachelor of Fashion Design**

Semester-05

**Course Title: PATTERN MAKING - IV (33050502)**
**Course Outcomes (Cos)**

- CO1: Master advanced techniques in pattern making for complex garment structures.
- CO2: Develop patterns for garments with intricate design details, focusing on precision and fit.
- CO3: Understand the relationship between fabric behavior and pattern construction for various textiles.
- CO4: Apply digital tools and software in the pattern-making process to enhance accuracy and efficiency.
- CO5: Demonstrate the ability to create patterns for a cohesive fashion collection.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | -   | -   | -   | -   | 2   | -   | -   | 1   | -    | 2.00               |
| CO2     | 3   | 1   | -   | -   | 1   | 2   | -   | -   | 1   | -    | 1.60               |
| CO3     | 2   | -   | -   | -   | -   | 1   | -   | -   | -   | -    | 1.50               |
| CO4     | 2   | -   | -   | -   | 1   | 3   | -   | 1   | 2   | 1    | 1.67               |
| CO5     | 3   | 1   | -   | -   | 2   | 2   | -   | 1   | 2   | 1    | 1.71               |

**Bachelor of Fashion Design**

Semester-05

**Course Title: DRAPING - IV (33050503)**
**Course Outcomes (Cos)**

- CO1: Master advanced draping techniques to create complex and innovative garment designs.
- CO2: Analyze fabric behavior and its impact on the draping process for various garment styles.
- CO3: Develop draped garments with intricate design elements, focusing on precision and fit.
- CO4: Integrate creative design concepts with technical draping methods for diverse textiles.
- CO5: Demonstrate the ability to present a collection of draped garments with professional finishing.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | 1   | -   | -   | 1   | 3   | -   | -   | 2   | -    | 2.00               |
| CO2     | 2   | 2   | -   | -   | -   | 3   | -   | -   | 1   | -    | 2.00               |
| CO3     | 3   | 1   | -   | -   | 1   | 2   | -   | -   | 1   | -    | 1.60               |
| CO4     | 2   | -   | -   | 1   | 2   | 3   | -   | -   | 2   | 1    | 1.83               |
| CO5     | 3   | 1   | -   | -   | 1   | 3   | -   | -   | 2   | 1    | 1.83               |

**Bachelor of Fashion Design**

Semester-05

**Course Title: GARMENT CONSTRUCTION - IV (33050504)**
**Course Outcomes (Cos)**

- CO1: Master advanced garment construction techniques for complex garments.
- CO2: Apply precision in stitching, seam finishes, and garment detailing.
- CO3: Understand the impact of fabric properties on garment construction and finishing techniques.
- CO4: Integrate creative design concepts into practical garment construction with high-quality standards.
- CO5: Demonstrate the ability to construct garments for a cohesive fashion collection, ensuring professional-level finishing and fit.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | -   | -   | -   | 1   | 3   | -   | -   | 2   | -    | 2.25               |
| CO2     | 3   | 2   | -   | -   | 1   | 3   | -   | -   | -   | -    | 2.25               |
| CO3     | 2   | 1   | -   | -   | 1   | 2   | -   | -   | 1   | 1    | 1.33               |
| CO4     | 3   | -   | -   | 1   | 2   | 2   | -   | -   | -   | 2    | 2.00               |
| CO5     | 2   | 1   | -   | -   | 2   | 3   | -   | -   | 2   | 2    | 2.00               |

**Bachelor of Fashion Design**

Semester-05

**Course Title: SURFACE TECHNIQUES - IV (33050505)**
**Course Outcomes (Cos)**

- CO1: Master advanced surface techniques for enhancing garment aesthetics, such as embroidery, printing, and embellishments.
- CO2: Explore and experiment with innovative materials and techniques to create unique surface designs.
- CO3: Understand the relationship between fabric structure and surface treatment for optimal design outcomes.
- CO4: Apply surface techniques to design garments with a strong visual identity and creativity.
- CO5: Demonstrate the ability to incorporate surface techniques into a cohesive fashion collection.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | 1   | -   | -   | 2   | 2   | -   | -   | 2   | -    | 2.00               |
| CO2     | 3   | 2   | 1   | -   | 1   | 2   | 1   | -   | 3   | 1    | 1.75               |
| CO3     | 2   | -   | 2   | -   | -   | 3   | -   | -   | 2   | -    | 2.25               |
| CO4     | 3   | 2   | -   | 2   | 2   | 1   | -   | -   | 2   | 1    | 1.86               |
| CO5     | 3   | 2   | 1   | -   | 2   | 2   | 1   | -   | 3   | 2    | 2.00               |

**Bachelor of Fashion Design**

Semester-05

**Course Title: DESIGN PROCESS - II (33050506)**
**Course Outcomes (Cos)**

- CO1: Develop an advanced understanding of the design process from concept to realization.
- CO2: Apply research and analysis to create design concepts based on fashion trends, history, and cultural influences.
- CO3: Integrate creative problem-solving methods into the design development process.
- CO4: Translate design concepts into functional and aesthetically pleasing garment collections.
- CO5: Demonstrate the ability to present and communicate design projects professionally.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | 1   | -   | -   | -   | -   | -   | -   | 3   | -    | 2.33               |
| CO2     | 2   | 2   | 1   | 3   | 2   | -   | -   | -   | 3   | 1    | 2.00               |
| CO3     | 2   | 2   | -   | 2   | -   | -   | -   | -   | 3   | -    | 2.25               |
| CO4     | 3   | -   | 1   | -   | 2   | 2   | 1   | 1   | 3   | 1    | 1.75               |
| CO5     | 1   | -   | -   | 1   | 3   | 2   | -   | 1   | 2   | 2    | 1.71               |

**Bachelor of Fashion Design**

Semester-05

**Course Title: HISTORY OF DESIGN - III (33050507)**
**Course Outcomes (Cos)**

- CO1: Analyze significant movements in fashion history and their impact on contemporary design.
- CO2: Identify key designers and their contributions to fashion evolution through different periods.
- CO3: Evaluate the socio-cultural influences on design trends and aesthetics throughout history.
- CO4: Research and present findings on historical design practices and their relevance to modern fashion.
- CO5: Develop a critical understanding of how historical context informs current design philosophies.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 2   | 2   | -   | 3   | 1   | -   | -   | -   | 2   | 1    | 1.83               |
| CO2     | 2   | 1   | -   | 2   | -   | -   | -   | -   | 1   | -    | 1.50               |
| CO3     | 1   | 1   | -   | 3   | -   | -   | -   | -   | 2   | 1    | 1.60               |
| CO4     | -   | -   | -   | 1   | 2   | -   | -   | -   | 2   | -    | 1.67               |
| CO5     | 1   | 2   | -   | 3   | 1   | -   | -   | -   | 3   | 1    | 1.83               |

**Bachelor of Fashion Design**

Semester-05

**Course Title: DIGITAL DESIGN – II (33050508)**
**Course Outcomes (Cos)**

- CO1: Master advanced digital tools and software for fashion design and development.
- CO2: Create digital fashion illustrations, technical flats, and specifications using professional software.
- CO3: Apply digital techniques to explore creative design solutions and garment construction.
- CO4: Integrate 3D digital tools into the design process for visualization and virtual prototyping.
- CO5: Present professional digital portfolios showcasing fashion design projects.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 1   | -   | -   | -   | -   | 3   | -   | -   | 2   | 1    | 1.75               |
| CO2     | 2   | -   | -   | -   | 3   | 3   | -   | -   | 1   | -    | 2.25               |
| CO3     | 2   | 1   | -   | -   | 2   | 2   | -   | -   | 2   | 1    | 1.67               |
| CO4     | 1   | -   | -   | -   | 1   | 3   | -   | -   | 3   | 2    | 2.00               |
| CO5     | -   | -   | -   | -   | 3   | 2   | 1   | -   | 2   | 1    | 1.80               |

**Bachelor of Fashion Design**

Semester-06

**Course Title: FASHION DRAWING AND ILLUSTRATION - V (33050601)**
**Course Outcomes (Cos)**

- CO1: Demonstrate advanced techniques in fashion illustration with a focus on complex garment structures and fabric rendering.
- CO2: Create visually compelling fashion illustrations that communicate design concepts effectively.
- CO3: Apply a variety of media and digital tools to enhance illustration quality and innovation.
- CO4: Analyze and interpret fashion trends and translate them into original illustrations.
- CO5: Develop a portfolio of advanced fashion drawings showcasing creativity, technical skills, and a deep understanding of fashion aesthetics.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | -   | -   | -   | 1   | 2   | -   | -   | 3   | -    | 2.25               |
| CO2     | 2   | 1   | -   | -   | 3   | 1   | -   | -   | 2   | -    | 1.80               |
| CO3     | 2   | -   | -   | -   | 2   | 3   | -   | -   | 3   | 1    | 2.20               |
| CO4     | 1   | 3   | -   | -   | 1   | 2   | -   | -   | 3   | 2    | 2.00               |
| CO5     | 2   | 1   | -   | -   | 3   | 2   | -   | -   | 3   | 1    | 2.00               |

**Bachelor of Fashion Design**

Semester-06

**Course Title: PATTERN MAKING - V (33050602)**
**Course Outcomes (Cos)**

- CO1: Apply advanced pattern-making techniques to create complex garment designs, including draping and tailored pieces.
- CO2: Utilize digital tools for precision and efficiency in pattern drafting and development.
- CO3: Analyze and solve fit issues through advanced pattern manipulation techniques.
- CO4: Develop patterns for non-conventional materials and innovative garment structures.
- CO5: Demonstrate an understanding of industrial standards for pattern making and garment construction.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | 1   | -   | -   | -   | 2   | -   | -   | 2   | -    | 2.00               |
| CO2     | 2   | -   | -   | -   | -   | 3   | -   | -   | 3   | -    | 2.67               |
| CO3     | 2   | 1   | -   | -   | 1   | 3   | -   | -   | 3   | -    | 2.00               |
| CO4     | 3   | 1   | -   | -   | 2   | 2   | -   | -   | 3   | 1    | 2.00               |
| CO5     | 3   | -   | -   | -   | 2   | 3   | -   | -   | 3   | 1    | 2.40               |

**Bachelor of Fashion Design**  
 Semester-06  
**Course Title: DRAPING - V (33050603)**

**Course Outcomes (Cos)**

- CO1: Master advanced draping techniques to create complex silhouettes and innovative garment designs.
- CO2: Apply knowledge of fabric behavior to develop draped garments with precision and creativity.
- CO3: Solve design challenges through advanced draping on dress forms and live models.
- CO4: Utilize digital tools for pattern generation from draped garments and ensure precision in replication.
- CO5: Experiment with non-traditional materials and shapes in draping to push the boundaries of fashion design.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | 2   | -   | -   | 1   | 1   | -   | -   | 3   | -    | 2.00               |
| CO2     | 3   | 1   | -   | -   | -   | 2   | -   | -   | 2   | -    | 2.00               |
| CO3     | 3   | 3   | -   | -   | 1   | 1   | -   | 1   | 3   | -    | 2.00               |
| CO4     | 2   | 1   | -   | -   | 2   | 3   | -   | -   | 3   | -    | 2.20               |
| CO5     | 3   | 2   | -   | -   | 1   | 2   | -   | -   | 3   | -    | 2.20               |

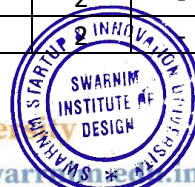
**Bachelor of Fashion Design**  
 Semester-06

**Course Title: GARMENT CONSTRUCTION - V (33050604)**

**Course Outcomes (Cos)**

- CO1: Master advanced garment construction techniques, including couture finishing and detailed tailoring.
- CO2: Apply knowledge of fabric properties to construct garments with precision and high quality.
- CO3: Solve complex construction challenges through innovative approaches to garment assembly.
- CO4: Utilize advanced machinery and digital tools to enhance efficiency and precision in garment construction.
- CO5: Develop garments with a focus on sustainability and ethical manufacturing practices.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | 1   | -   | -   | 1   | 2   | -   | -   | 1   | -    | 1.60               |
| CO2     | 3   | 1   | -   | -   | -   | 2   | -   | -   | 1   | -    | 1.75               |
| CO3     | 3   | 2   | -   | -   | 1   | 3   | -   | -   | 2   | -    | 2.20               |
| CO4     | 2   | 1   | -   | -   | -   | 3   | -   | -   | 2   | -    | 2.00               |
| CO5     | 1   | -   | 3   | -   | -   | 1   | -   | -   | -   | -    | 1.75               |



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**Bachelor of Fashion Design**

Semester-06

**Course Title: SURFACE TECHNIQUES - V (33050605)**
**Course Outcomes (Cos)**

- CO1: Master advanced surface embellishment techniques, including embroidery, fabric manipulation, and textile art forms.
- CO2: Experiment with diverse materials and techniques to create innovative surface designs for garments and accessories.
- CO3: Apply digital tools and technology to enhance surface design processes and outcomes.
- CO4: Analyze global trends in surface techniques and integrate them into contemporary fashion design.
- CO5: Develop a collection of textiles showcasing advanced surface techniques with a focus on sustainability.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | 1   | 2   | -   | -   | 3   | -   | -   | 2   | 1    | 2.00               |
| CO2     | 2   | 2   | -   | -   | -   | 2   | -   | -   | 1   | -    | 1.75               |
| CO3     | 1   | 1   | -   | -   | -   | 3   | -   | -   | 2   | -    | 1.75               |
| CO4     | 1   | 3   | -   | -   | 1   | 2   | -   | 1   | -   | 1    | 1.50               |
| CO5     | 3   | 2   | 3   | -   | 2   | 3   | -   | 1   | 3   | 2    | 2.38               |

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Semester-06

**Course Title: DESIGN PROCESS - III (33050606)**
**Course Outcomes (Cos)**

- CO1: Master the complete fashion design process, from research and concept development to final garment creation.
- CO2: Conduct thorough market and trend research to inform innovative design solutions.
- CO3: Apply advanced design techniques and creative problem-solving to develop original fashion collections.
- CO4: Utilize digital tools for fashion illustration, pattern making, and presentation of design concepts.
- CO5: Integrate sustainability and ethical considerations into the design process.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | 3   | 1   | 1   | 1   | -   | 1   | 1   | 2   | -    | 1.63               |
| CO2     | 2   | 3   | -   | -   | 1   | 2   | -   | -   | 1   | -    | 1.80               |
| CO3     | 3   | 3   | 1   | -   | 3   | 1   | 1   | -   | 2   | -    | 2.00               |
| CO4     | 1   | 2   | -   | 3   | -   | 2   | -   | -   | -   | 1    | 1.80               |
| CO5     | 2   | 2   | 1   | 2   | 1   | -   | -   | -   | -   | 2    | 1.67               |

**Bachelor of Fashion Design**

Semester-06

**Course Title: HISTORY OF DESIGN - IV (33050607)**
**Course Outcomes (Cos)**

- CO1: Analyze significant design movements and their impact on contemporary fashion and design.
- CO2: Investigate the evolution of fashion design through various historical periods and cultural contexts.
- CO3: Assess the role of key designers and innovators in shaping design principles and practices.
- CO4: Develop critical thinking and research skills through the analysis of historical design texts and artifacts.
- CO5: Create presentations and written reports that effectively communicate historical design knowledge and insights.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 1   | 3   | 3   | 1   | 1   | -   | -   | -   | 2   | 2    | 1.86               |
| CO2     | 2   | 3   | 1   | 2   | 1   | -   | -   | 1   | 2   | -    | 1.71               |
| CO3     | 3   | 2   | 3   | -   | 2   | -   | -   | -   | 1   | 1    | 2.00               |
| CO4     | -   | -   | 2   | 3   | 2   | 1   | -   | 1   | -   | -    | 1.80               |
| CO5     | -   | 1   | 2   | 2   | 3   | -   | -   | -   | -   | 2    | 2.00               |

**Bachelor of Fashion Design**

Semester-06

**Course Title: DIGITAL DESIGN - III (33050608)**
**Course Outcomes (Cos)**

- CO1: Develop advanced digital design skills using industry-standard software for fashion design and illustration.
- CO2: Create and manipulate digital patterns and textiles for various applications in fashion design.
- CO3: Integrate 3D modeling and rendering techniques into the fashion design process to visualize designs effectively.
- CO4: Implement digital tools for technical drawings and specifications essential for garment production.
- CO5: Explore and apply innovative digital design techniques that enhance creative expression in fashion.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 2   | 3   | 1   | 1   | -   | 3   | -   | -   | 3   | -    | 2.17               |
| CO2     | 1   | 2   | 3   | 1   | -   | 1   | -   | -   | 2   | -    | 1.67               |
| CO3     | 2   | 3   | 2   | 2   | -   | 3   | -   | -   | 3   | -    | 2.50               |
| CO4     | -   | 2   | -   | 3   | -   | 3   | -   | -   | -   | -    | 2.50               |
| CO5     | 1   | 1   | -   | 1   | -   | -   | -   | -   | -   | -    | 1.50               |

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**Bachelor of Fashion Design**

Semester-07

**Course Title: Industry Work Culture (33050701)**
**Course Outcomes (Cos)**

- CO1: Understand the structure, roles, and workflows within various sectors of the fashion industry, including design, production, merchandising, and retail.
- CO2: Analyze workplace expectations, professional ethics, and communication practices essential for effective collaboration in fashion environments.
- CO3: Demonstrate an understanding of organizational behavior, time management, and interpersonal skills required in a fast-paced fashion industry.
- CO4: Apply knowledge of industry standards, compliance, and workplace safety practices within different types of fashion enterprises.
- CO5: Reflect on professional experiences to identify personal strengths, areas for growth, and strategies for career development in fashion.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | -   | 2   | -   | -   | 1   | -   | 2   | 2   | 1   | 3    | 1.83               |
| CO2     | -   | 3   | 3   | -   | 3   | -   | 2   | 3   | 2   | 2    | 2.57               |
| CO3     | -   | 2   | 2   | -   | 3   | -   | 1   | 3   | -   | -    | 2.20               |
| CO4     | -   | -   | 3   | -   | -   | -   | 1   | -   | -   | -    | 2.00               |
| CO5     | -   | 2   | 2   | -   | 2   | -   | 2   | -   | 3   | 2    | 2.17               |

**Bachelor of Fashion Design**

Semester-07

**Course Title: JEANS CULTURE (33050702)**
**Course Outcomes (Cos)**

- CO1: Analyze the historical evolution of jeans and their cultural significance in fashion and society.
- CO2: Explore various styles, fits, and fabrics of jeans, understanding their impact on contemporary fashion trends.
- CO3: Evaluate the processes involved in denim production, including sourcing, manufacturing, and sustainability practices.
- CO4: Design and develop innovative denim garments, integrating creative techniques and current market trends.
- CO5: Assess the role of branding and marketing strategies in promoting jeans as a lifestyle choice.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | -   | 1   | -   | 2   | -   | -   | -   | -   | -   | 1    | 1.33               |
| CO2     | -   | 3   | -   | -   | -   | -   | 1   | -   | 1   | 2    | 1.75               |
| CO3     | -   | 2   | 2   | -   | -   | 2   | 1   | 1   | 2   | 2    | 1.71               |
| CO4     | 2   | 3   | 1   | -   | 2   | 3   | 2   | 2   | 3   | 3    | 2.33               |
| CO5     | -   | 3   | -   | -   | 1   | -   | 3   | 1   | 3   | 3    | 2.17               |



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**Bachelor of Fashion Design**

Semester-07

**Course Title: DENIM WEAR (33050703)**
**Course Outcomes (Cos)**

- CO1: Understand the characteristics of denim fabric, its construction, and its application in fashion design.
- CO2: Explore the evolution of denim wear, including key styles, trends, and their influence on contemporary fashion.
- CO3: Apply innovative techniques in designing and constructing denim garments, considering fabric behavior and functionality.
- CO4: Analyze the environmental impact of denim production and explore sustainable practices in denim fashion.
- CO5: Develop denim-based fashion collections that reflect current market demands and creative trends.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | -   | 2   | -   | -   | 1   | -   | 2   | 2   | 1   | 3    | 1.83               |
| CO2     | -   | 3   | 3   | -   | 3   | -   | 2   | 3   | 2   | 2    | 2.57               |
| CO3     | -   | 2   | 2   | -   | 3   | -   | 1   | 3   | -   | -    | 2.20               |
| CO4     | -   | -   | 3   | -   | -   | -   | 1   | -   | -   | -    | 2.00               |
| CO5     | -   | 2   | 2   | -   | 2   | -   | 2   | -   | 3   | 2    | 2.17               |

**Bachelor of Fashion Design**

Semester-07

**Course Title: JEANS CULTURE (33050704)**
**Course Outcomes (Cos)**

- CO1: Analyze the historical evolution of jeans and their cultural significance in fashion and society.
- CO2: Explore various styles, fits, and fabrics of jeans, understanding their impact on contemporary fashion trends.
- CO3: Evaluate the processes involved in denim production, including sourcing, manufacturing, and sustainability practices.
- CO4: Design and develop innovative denim garments, integrating creative techniques and current market trends.
- CO5: Assess the role of branding and marketing strategies in promoting jeans as a lifestyle choice.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 2   | 1   | -   | -   | -   | 2   | -   | -   | -   | 1    | 1.50               |
| CO2     | -   | 3   | -   | 2   | -   | -   | -   | -   | 1   | -    | 2.00               |
| CO3     | 3   | 2   | -   | -   | 2   | 3   | -   | 1   | -   | 2    | 2.17               |
| CO4     | -   | 2   | 2   | 1   | -   | -   | 1   | -   | -   | -    | 1.67               |
| CO5     | 2   | 3   | -   | 1   | 2   | 2   | 2   | -   | -   | -    | 2.13               |



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**Bachelor of Fashion Design**

Semester-07

**Course Title: ADVANCE PATTERN MAKING (33050705)**
**Course Outcomes (Cos)**

- CO1: Master advanced techniques in pattern-making for complex garment structures.
- CO2: Understand the relationship between fabric properties and pattern design to achieve desired garment fit and aesthetics.
- CO3: Develop proficiency in drafting and modifying patterns for innovative and creative garment designs.
- CO4: Apply digital tools and software for pattern creation and adjustments, enhancing precision and efficiency.
- CO5: Solve fitting issues through advanced pattern manipulation techniques for both traditional and experimental designs.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | 2   | 1   | -   | 1   | 2   | -   | -   | 2   | -    | 1.83               |
| CO2     | 2   | -   | 2   | -   | 1   | 1   | -   | -   | -   | -    | 1.50               |
| CO3     | 3   | -   | -   | -   | 1   | -   | -   | -   | -   | 1    | 1.67               |
| CO4     | 1   | 1   | -   | -   | -   | 3   | -   | -   | 2   | 2    | 1.80               |
| CO5     | 2   | -   | -   | -   | -   | 1   | -   | -   | 3   | 1    | 1.75               |

**Bachelor of Fashion Design**

Semester-07

**Course Title: NEW-AGE ILLUSTRATION (DIGITAL) (33050706)**
**Course Outcomes (Cos)**

- CO1: Understand the fundamentals of digital illustration tools and techniques specific to fashion design.
- CO2: Apply advanced digital illustration techniques to create professional-quality fashion sketches and renderings.
- CO3: Explore the use of various software and digital platforms to enhance creativity in fashion illustration.
- CO4: Integrate digital tools with traditional illustration methods to develop unique and innovative design concepts.
- CO5: Create detailed, production-ready digital illustrations for fashion collections, including garment details, textures, and accessories.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 1   | -   | -   | -   | -   | 3   | 1   | -   | 2   | 2    | 1.80               |
| CO2     | 2   | -   | -   | -   | 1   | 2   | 1   | -   | 2   | -    | 1.60               |
| CO3     | 1   | 1   | -   | -   | -   | 3   | -   | -   | -   | -    | 1.67               |
| CO4     | 2   | 3   | 2   | -   | 1   | 3   | -   | 1   | -   | 2    | 2.00               |
| CO5     | 3   | 2   | -   | 1   | 2   | 3   | -   | 1   | -   | -    | 2.00               |

**Bachelor of Fashion Design**

Semester-07

**Course Title: ADVANCE PATTERN MAKING (33050707)**
**Course Outcomes (Cos)**

- CO1: Master advanced techniques in pattern-making for complex garment structures.
- CO2: Understand the relationship between fabric properties and pattern design to achieve desired garment fit and aesthetics.
- CO3: Develop proficiency in drafting and modifying patterns for innovative and creative garment designs.
- CO4: Apply digital tools and software for pattern creation and adjustments, enhancing precision and efficiency.
- CO5: Solve fitting issues through advanced pattern manipulation techniques for both traditional and experimental designs.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | 2   | 1   | -   | 1   | 2   | -   | -   | 2   | -    | 1.83               |
| CO2     | 2   | -   | 2   | -   | 1   | 1   | -   | -   | -   | -    | 1.50               |
| CO3     | 3   | -   | -   | -   | 1   | -   | -   | -   | -   | 1    | 1.67               |
| CO4     | 1   | 1   | -   | -   | -   | 3   | -   | -   | 2   | 2    | 1.80               |
| CO5     | 2   | -   | -   | -   | -   | 1   | -   | -   | 3   | 1    | 1.75               |

**Bachelor of Fashion Design**

Semester-07

**Course Title: FASHION SUSTAINABILITY (33050708)**
**Course Outcomes (Cos)**

- CO1: Understand the principles of sustainability and their relevance to the fashion industry.
- CO2: Analyze the environmental and social impacts of fashion production and consumption.
- CO3: Explore sustainable practices in fabric sourcing, manufacturing, and garment design.
- CO4: Investigate the role of circular fashion, recycling, and upcycling in promoting sustainability.
- CO5: Develop strategies to integrate sustainability into fashion design processes, including lifecycle analysis and waste reduction.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 1   | -   | 3   | -   | -   | -   | -   | -   | 3   | -    | 2.33               |
| CO2     | 1   | -   | 3   | -   | -   | -   | -   | -   | 3   | -    | 2.33               |
| CO3     | 2   | 1   | 2   | -   | -   | -   | 1   | -   | 3   | 2    | 1.83               |
| CO4     | 1   | -   | 2   | -   | -   | 1   | -   | 1   | 2   | -    | 1.40               |
| CO5     | 2   | 1   | 2   | -   | 1   | -   | 2   | -   | 3   | 3    | 2.00               |

**Bachelor of Fashion Design**

Semester-08

**Course Title: GRADUATION PROJECT (INTERNSHIP) (33050801)**
**Course Outcomes (Cos)**

- CO1: Apply theoretical knowledge and practical skills to real-world entrepreneurial ventures in the fashion industry.
- CO2: Develop a comprehensive business plan for a fashion startup, including financial, operational, and marketing strategies.
- CO3: Analyze the challenges and opportunities faced during the internship and propose innovative solutions.
- CO4: Demonstrate leadership, teamwork, and problem-solving skills in a professional entrepreneurial environment.
- CO5: Present a final project showcasing the outcomes of the internship, reflecting on personal growth and business insights.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 1   | 1   | -   | -   | -   | -   | 3   | 3   | 3   | 2    | 2.17               |
| CO2     | -   | 1   | -   | -   | -   | -   | 3   | 2   | 2   | 2    | 2.00               |
| CO3     | -   | 2   | 2   | -   | -   | -   | 2   | 2   | 3   | -    | 2.20               |
| CO4     | -   | 1   | 1   | -   | 1   | -   | 2   | 3   | 3   | 1    | 1.71               |
| CO5     | 2   | -   | 2   | -   | 2   | -   | 3   | 3   | 3   | 3    | 2.57               |

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# SWARNIM INSTITUTE OF DESIGN

## Bachelor of Fashion Design

### Program Outcome - Course Outcome Matrix

Bachelor of Fashion Design

Semester-01

Course Title: DESIGN COMMUNICATION (33000002)

| CO / PO | PO1  | PO2  | PO3 | PO4  | PO5  | PO6  | PO7 | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|-----|------|------|------|-----|------|------|------|--------------------|
| CO1     | 3    | 1    | -   | 1    | 3    | 1    | -   | -    | 3    | -    | 2.00               |
| CO2     | 2    | 3    | -   | 1    | 3    | 1    | -   | -    | 3    | -    | 2.17               |
| CO3     | -    | 1    | -   | -    | 3    | 2    | -   | -    | 3    | -    | 2.25               |
| CO4     | 3    | 2    | -   | 1    | 3    | 3    | -   | 2    | 3    | -    | 2.43               |
| CO5     | 2    | 2    | -   | 1    | 3    | 1    | -   | 3    | 3    | -    | 2.14               |
| Average | 2.50 | 1.80 | -   | 1.00 | 3.00 | 1.60 | -   | 2.50 | 3.00 | -    | 2.20               |

Bachelor of Fashion Design

Semester-01

Course Title: DESIGN APPRECIATION (33000003)

| CO / PO | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7 | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|-----|------|------|------|--------------------|
| CO1     | 3    | 2    | -    | 3    | 1    | -    | -   | -    | -    | -    | 2.25               |
| CO2     | 3    | 3    | -    | 2    | 2    | -    | -   | -    | -    | 1    | 2.20               |
| CO3     | 2    | 1    | 1    | 3    | -    | -    | -   | 1    | -    | 1    | 1.50               |
| CO4     | 1    | 2    | -    | -    | -    | 3    | -   | -    | 1    | 1    | 1.60               |
| CO5     | 1    | -    | 3    | 1    | -    | 1    | -   | -    | -    | 1    | 1.40               |
| Average | 2.00 | 2.00 | 2.00 | 2.25 | 1.50 | 2.00 | -   | 1.00 | 1.00 | 1.00 | 1.79               |

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Semester-02

Course Title: FASHION DRAWING AND ILLUSTRATION - I (33050201)

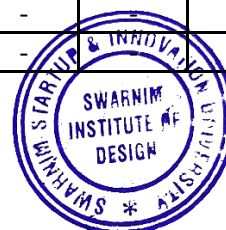
| CO / PO | PO1  | PO2 | PO3 | PO4 | PO5  | PO6  | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|------|-----|-----|-----|------|------|-----|-----|-----|------|--------------------|
| CO1     | 3    | -   | -   | -   | 1    | -    | -   | -   | -   | -    | 2.00               |
| CO2     | 2    | -   | -   | -   | 1    | -    | -   | -   | -   | -    | 1.50               |
| CO3     | 3    | -   | -   | -   | 1    | 2    | -   | -   | -   | -    | 2.00               |
| CO4     | 3    | -   | -   | -   | 2    | 1    | -   | -   | -   | -    | 2.00               |
| CO5     | 2    | -   | -   | -   | 2    | -    | -   | -   | -   | -    | 2.00               |
| Average | 2.60 | -   | -   | -   | 1.40 | 1.50 | -   | -   | -   | -    | 1.90               |

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Semester-02

Course Title: PATTERN MAKING- I (330050202)

| CO / PO | PO1  | PO2 | PO3 | PO4 | PO5  | PO6  | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|------|-----|-----|-----|------|------|-----|-----|-----|------|--------------------|
| CO1     | 3    | -   | -   | -   | -    | 2    | -   | -   | -   | -    | 2.50               |
| CO2     | 3    | -   | -   | -   | -    | 3    | -   | -   | -   | -    | 3.00               |
| CO3     | 2    | -   | -   | -   | -    | 3    | -   | -   | -   | -    | 2.50               |
| CO4     | 1    | -   | -   | -   | -    | 2    | -   | -   | -   | -    | 1.50               |
| CO5     | 2    | -   | -   | -   | 1    | 3    | -   | -   | -   | -    | 2.00               |
| Average | 2.20 | -   | -   | -   | 1.00 | 2.60 | -   | -   | -   | -    | 2.30               |



# SWARNIM INSTITUTE OF DESIGN

## Bachelor of Fashion Design

### Program Outcome - Course Outcome Matrix

Bachelor of Fashion Design

Semester-02

Course Title: DRAPING -I (33050203)

| CO / PO | PO1  | PO2 | PO3 | PO4 | PO5  | PO6 | PO7  | PO8 | PO9 | PO10 | Overall CO Average |
|---------|------|-----|-----|-----|------|-----|------|-----|-----|------|--------------------|
| CO1     | 3    | -   | -   | -   | -    | -   | 2    | -   | -   | -    | 2.50               |
| CO2     | 3    | -   | -   | -   | 1    | -   | 3    | -   | -   | -    | 2.33               |
| CO3     | 3    | -   | -   | -   | -    | -   | 3    | -   | -   | -    | 3.00               |
| CO4     | 2    | -   | -   | -   | -    | -   | 2    | -   | -   | -    | 2.00               |
| CO5     | 2    | -   | -   | -   | -    | -   | 3    | -   | -   | -    | 2.50               |
| Average | 2.60 | -   | -   | -   | 1.00 | -   | 2.60 | -   | -   | -    | 2.47               |

Bachelor of Fashion Design

Semester-02

Course Title: GARMENT CONSTRUCTION - I (330050204)

| CO / PO | PO1  | PO2 | PO3 | PO4 | PO5  | PO6  | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|------|-----|-----|-----|------|------|-----|-----|-----|------|--------------------|
| CO1     | 3    | -   | -   | -   | -    | 3    | -   | -   | -   | -    | 3.00               |
| CO2     | 3    | -   | -   | -   | 1    | 3    | -   | -   | -   | -    | 2.33               |
| CO3     | 3    | -   | -   | -   | -    | 3    | -   | -   | -   | -    | 3.00               |
| CO4     | 3    | -   | -   | -   | -    | 3    | -   | -   | -   | -    | 3.00               |
| CO5     | 2    | -   | -   | -   | 1    | 3    | -   | -   | -   | -    | 2.00               |
| Average | 2.80 | -   | -   | -   | 1.00 | 3.00 | -   | -   | -   | -    | 2.67               |

Bachelor of Fashion Design

Semester-02

Course Title: SURFACE TECHNIQUES - I (33050205)

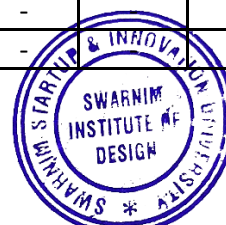
| CO / PO | PO1  | PO2 | PO3 | PO4  | PO5  | PO6  | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|------|-----|-----|------|------|------|-----|-----|-----|------|--------------------|
| CO1     | 3    | -   | -   | -    | -    | 1    | -   | -   | -   | -    | 2.00               |
| CO2     | 3    | -   | -   | -    | 1    | 2    | -   | -   | -   | -    | 2.00               |
| CO3     | 3    | -   | -   | 1    | 1    | 2    | -   | -   | -   | -    | 1.75               |
| CO4     | 3    | -   | -   | -    | 2    | 2    | -   | -   | -   | -    | 2.33               |
| CO5     | 1    | -   | -   | 3    | -    | -    | -   | -   | -   | -    | 2.00               |
| Average | 2.60 | -   | -   | 2.00 | 1.33 | 1.75 | -   | -   | -   | -    | 2.02               |

Bachelor of Fashion Design

Semester-02

Course Title: FABRIC STUDY (330050206)

| CO / PO | PO1  | PO2 | PO3  | PO4 | PO5  | PO6  | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|------|-----|------|-----|------|------|-----|-----|-----|------|--------------------|
| CO1     | 2    | -   | 1    | -   | -    | 2    | -   | -   | -   | -    | 1.67               |
| CO2     | 1    | -   | -    | -   | -    | 2    | -   | -   | -   | -    | 1.50               |
| CO3     | 1    | -   | 2    | -   | -    | 3    | -   | -   | -   | -    | 2.00               |
| CO4     | 3    | -   | -    | -   | 1    | 3    | -   | -   | -   | -    | 2.33               |
| CO5     | 2    | -   | -    | -   | 1    | 3    | -   | -   | -   | -    | 2.00               |
| Average | 1.80 | -   | 1.50 | -   | 1.00 | 2.60 | -   | -   | -   | -    | 1.90               |



# SWARNIM INSTITUTE OF DESIGN

## Bachelor of Fashion Design

### Program Outcome - Course Outcome Matrix

Bachelor of Fashion Design

Semester-02

Course Title: HISTORY OF DESIGN - I (33050207)

| CO / PO | PO1  | PO2  | PO3 | PO4  | PO5  | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|------|------|-----|------|------|-----|-----|-----|-----|------|--------------------|
| CO1     | -    | -    | -   | 3    | -    | -   | -   | -   | -   | -    | 3.00               |
| CO2     | 1    | -    | -   | 3    | -    | -   | -   | -   | -   | -    | 2.00               |
| CO3     | 1    | 1    | -   | 3    | -    | -   | -   | -   | -   | -    | 1.67               |
| CO4     | 1    | -    | -   | 3    | -    | -   | -   | -   | -   | -    | 2.00               |
| CO5     | 2    | 1    | -   | 2    | 1    | -   | -   | -   | -   | -    | 1.50               |
| Average | 1.25 | 1.00 | -   | 2.80 | 1.00 | -   | -   | -   | -   | -    | 2.03               |

Bachelor of Fashion Design

Semester-02

Course Title: INTRODUCTION TO DESIGN (DCC) (23000007)

| CO / PO | PO1  | PO2  | PO3 | PO4  | PO5  | PO6  | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|------|------|-----|------|------|------|-----|-----|-----|------|--------------------|
| CO1     | 3    | -    | -   | 1    | -    | -    | -   | -   | -   | -    | 2.00               |
| CO2     | 3    | 1    | -   | -    | -    | -    | -   | -   | -   | -    | 2.00               |
| CO3     | 3    | -    | -   | -    | 3    | 3    | -   | -   | -   | -    | 3.00               |
| CO4     | 2    | -    | -   | -    | 1    | -    | -   | -   | -   | -    | 1.50               |
| CO5     | 1    | -    | -   | 3    | -    | -    | -   | -   | -   | -    | 2.00               |
| Average | 2.40 | 1.00 | -   | 2.00 | 2.00 | 3.00 | -   | -   | -   | -    | 2.10               |

Bachelor of Fashion Design

Semester-03

Course Title: FASHION DRAWING AND ILLUSTRATION - II (33050301)

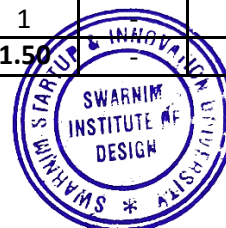
| CO / PO | PO1  | PO2  | PO3 | PO4  | PO5  | PO6  | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|------|------|-----|------|------|------|-----|-----|-----|------|--------------------|
| CO1     | 3    | -    | -   | -    | 3    | 1    | -   | -   | -   | -    | 2.33               |
| CO2     | 3    | -    | -   | -    | 3    | -    | -   | -   | -   | -    | 3.00               |
| CO3     | 2    | -    | -   | -    | 3    | -    | -   | -   | -   | -    | 2.50               |
| CO4     | 3    | -    | -   | -    | 3    | 3    | -   | -   | -   | -    | 3.00               |
| CO5     | 2    | 1    | -   | 3    | 2    | -    | -   | -   | -   | -    | 2.00               |
| Average | 2.60 | 1.00 | -   | 3.00 | 2.80 | 2.00 | -   | -   | -   | -    | 2.57               |

Bachelor of Fashion Design

Semester-03

Course Title: GARMENT CONSTRUCTION - II (330050302)

| CO / PO | PO1  | PO2 | PO3 | PO4 | PO5  | PO6  | PO7 | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|-----|-----|-----|------|------|-----|------|------|------|--------------------|
| CO1     | 3    | -   | -   | -   | 2    | 3    | -   | -    | -    | -    | 2.67               |
| CO2     | 3    | -   | -   | -   | 1    | 3    | -   | -    | -    | -    | 2.33               |
| CO3     | 3    | -   | -   | -   | 2    | 3    | -   | -    | -    | -    | 2.67               |
| CO4     | 3    | -   | -   | -   | 3    | 3    | -   | -    | 2    | -    | 2.75               |
| CO5     | 2    | -   | -   | -   | 1    | 3    | -   | 1    | 1    | -    | 1.60               |
| Average | 2.80 | -   | -   | -   | 1.80 | 3.00 | -   | 1.00 | 1.50 | -    | 2.40               |



# SWARNIM INSTITUTE OF DESIGN

## Bachelor of Fashion Design

### Program Outcome - Course Outcome Matrix

Bachelor of Fashion Design

Semester-03

Course Title: PATTERN MAKING - II (33050304)

| CO / PO | PO1  | PO2  | PO3 | PO4 | PO5  | PO6  | PO7 | PO8 | PO9  | PO10 | Overall CO Average |
|---------|------|------|-----|-----|------|------|-----|-----|------|------|--------------------|
| CO1     | 3    | 2    | -   | -   | 1    | 3    | -   | -   | -    | -    | 2.25               |
| CO2     | 3    | 2    | -   | -   | 1    | 3    | -   | -   | -    | -    | 2.25               |
| CO3     | 3    | 1    | -   | -   | -    | 3    | -   | -   | -    | -    | 2.33               |
| CO4     | 3    | -    | -   | -   | 1    | 3    | -   | -   | 1    | -    | 2.00               |
| CO5     | 3    | -    | -   | -   | 1    | 3    | -   | -   | 1    | -    | 2.00               |
| Average | 3.00 | 1.67 | -   | -   | 1.00 | 3.00 | -   | -   | 1.00 | -    | 2.17               |

Bachelor of Fashion Design

Semester-03

Course Title: DRAPING - II (33050305)

| CO / PO | PO1  | PO2  | PO3 | PO4 | PO5  | PO6 | PO7  | PO8 | PO9  | PO10 | Overall CO Average |
|---------|------|------|-----|-----|------|-----|------|-----|------|------|--------------------|
| CO1     | 3    | 2    | -   | -   | 1    | -   | 3    | -   | -    | -    | 2.25               |
| CO2     | 3    | 1    | -   | -   | -    | -   | 3    | -   | -    | -    | 2.33               |
| CO3     | 3    | 1    | -   | -   | 1    | -   | 3    | -   | -    | -    | 2.00               |
| CO4     | 3    | -    | -   | -   | 1    | -   | 3    | -   | -    | -    | 2.33               |
| CO5     | 3    | -    | -   | -   | 1    | -   | 3    | -   | 1    | -    | 2.00               |
| Average | 3.00 | 1.33 | -   | -   | 1.00 | -   | 3.00 | -   | 1.00 | -    | 2.18               |

Bachelor of Fashion Design

Semester-03

Course Title: SURFACE TECHNIQUES - II (33050306)

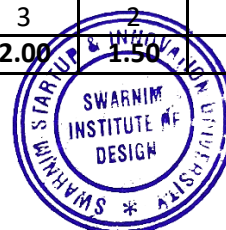
| CO / PO | PO1  | PO2  | PO3  | PO4 | PO5  | PO6  | PO7 | PO8 | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|-----|------|------|-----|-----|------|------|--------------------|
| CO1     | 3    | 2    | 1    | -   | -    | 3    | -   | -   | 2    | -    | 2.20               |
| CO2     | 3    | 1    | -    | -   | -    | 3    | -   | -   | 1    | -    | 2.00               |
| CO3     | 3    | -    | -    | -   | -    | 3    | -   | -   | 1    | -    | 2.33               |
| CO4     | 2    | -    | -    | -   | -    | 3    | -   | -   | 1    | -    | 2.00               |
| CO5     | 3    | 1    | -    | -   | 1    | 3    | -   | -   | 2    | -    | 2.00               |
| Average | 2.80 | 1.33 | 1.00 | -   | 1.00 | 3.00 | -   | -   | 1.40 | -    | 2.11               |

Bachelor of Fashion Design

Semester-03

Course Title: FASHION THEORY AND OVERVIEW (LOOKS AND STYLING) (33050307)

| CO / PO | PO1  | PO2 | PO3  | PO4  | PO5 | PO6  | PO7 | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|-----|------|------|-----|------|-----|------|------|------|--------------------|
| CO1     | 3    | -   | -    | 1    | -   | 2    | -   | 1    | -    | -    | 1.75               |
| CO2     | 3    | -   | 1    | 2    | -   | 3    | -   | 1    | 2    | -    | 2.00               |
| CO3     | 2    | -   | 3    | -    | -   | 2    | -   | 1    | 1    | -    | 1.80               |
| CO4     | 1    | -   | 3    | 2    | -   | 3    | -   | 2    | 2    | 1    | 2.00               |
| CO5     | 3    | -   | 1    | 1    | -   | 2    | -   | -    | 3    | 2    | 2.00               |
| Average | 2.40 | -   | 2.00 | 1.50 | -   | 2.40 | -   | 1.25 | 2.00 | 1.50 | 1.91               |



# SWARNIM INSTITUTE OF DESIGN

## Bachelor of Fashion Design

### Program Outcome - Course Outcome Matrix

Bachelor of Fashion Design

Semester-04

Course Title: FASHION DRAWING AND ILLUSTRATION - III (33050401)

| CO / PO | PO1  | PO2  | PO3 | PO4  | PO5  | PO6  | PO7 | PO8 | PO9  | PO10 | Overall CO Average |
|---------|------|------|-----|------|------|------|-----|-----|------|------|--------------------|
| CO1     | 3    | 1    | -   | -    | 3    | 3    | -   | -   | 2    | -    | 2.40               |
| CO2     | 3    | 2    | -   | -    | 3    | 2    | -   | -   | 2    | -    | 2.40               |
| CO3     | 2    | 1    | -   | -    | 3    | 3    | -   | -   | 1    | -    | 2.00               |
| CO4     | 2    | -    | -   | 1    | 3    | 3    | -   | -   | 1    | -    | 2.00               |
| CO5     | 3    | 1    | -   | 1    | 3    | 2    | -   | -   | 3    | -    | 2.17               |
| Average | 2.60 | 1.25 | -   | 1.00 | 3.00 | 2.60 | -   | -   | 1.80 | -    | 2.19               |

Bachelor of Fashion Design

Semester-04

Course Title: PATTERN MAKING - III (33050402)

| CO / PO | PO1  | PO2  | PO3 | PO4 | PO5  | PO6  | PO7 | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|-----|-----|------|------|-----|------|------|------|--------------------|
| CO1     | 3    | 1    | -   | -   | 2    | 3    | -   | 1    | 2    | -    | 2.00               |
| CO2     | 3    | 1    | -   | -   | 2    | 2    | -   | -    | 2    | -    | 2.00               |
| CO3     | 3    | -    | -   | -   | 2    | 3    | -   | -    | 1    | -    | 2.25               |
| CO4     | 2    | -    | -   | -   | 2    | 2    | -   | 1    | 1    | -    | 1.60               |
| CO5     | 3    | -    | -   | -   | 3    | 3    | -   | 1    | 2    | -    | 2.40               |
| Average | 2.80 | 1.00 | -   | -   | 2.20 | 2.60 | -   | 1.00 | 1.60 | -    | 2.05               |

Bachelor of Fashion Design

Semester-04

Course Title: DRAPING - III (33050403)

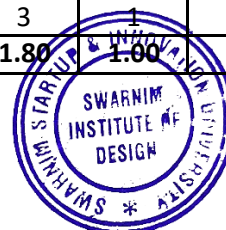
| CO / PO | PO1  | PO2  | PO3 | PO4 | PO5  | PO6  | PO7 | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|-----|-----|------|------|-----|------|------|------|--------------------|
| CO1     | 3    | 1    | -   | -   | 2    | 3    | -   | 1    | 1    | -    | 1.83               |
| CO2     | 3    | -    | -   | -   | 1    | 3    | -   | -    | 1    | -    | 2.00               |
| CO3     | 3    | 2    | -   | -   | 2    | 3    | -   | -    | 2    | -    | 2.40               |
| CO4     | 3    | 1    | -   | -   | 2    | 2    | -   | 1    | 2    | -    | 1.83               |
| CO5     | 2    | -    | -   | -   | 2    | 3    | -   | -    | 3    | -    | 2.50               |
| Average | 2.80 | 1.33 | -   | -   | 1.80 | 2.80 | -   | 1.00 | 1.80 | -    | 2.11               |

Bachelor of Fashion Design

Semester-04

Course Title: GARMENT CONSTRUCTION - III (33050404)

| CO / PO | PO1  | PO2  | PO3 | PO4 | PO5  | PO6 | PO7 | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|-----|-----|------|-----|-----|------|------|------|--------------------|
| CO1     | 3    | 1    | -   | -   | 2    | -   | -   | 3    | 2    | -    | 2.20               |
| CO2     | 3    | -    | -   | -   | 1    | -   | -   | 2    | 1    | 1    | 1.60               |
| CO3     | 3    | 1    | -   | -   | 2    | -   | -   | 3    | 1    | -    | 2.00               |
| CO4     | 3    | 2    | -   | -   | 2    | -   | -   | 2    | 2    | 1    | 2.00               |
| CO5     | 3    | 1    | -   | -   | 1    | -   | -   | 3    | 3    | 1    | 2.00               |
| Average | 3.00 | 1.25 | -   | -   | 1.60 | -   | -   | 2.60 | 1.80 | 1.60 | 1.96               |



# SWARNIM INSTITUTE OF DESIGN

## Bachelor of Fashion Design

### Program Outcome - Course Outcome Matrix

Bachelor of Fashion Design

Semester-04

Course Title: SURFACE TECHNIQUES - III (33050405)

| CO / PO | PO1  | PO2  | PO3  | PO4  | PO5  | PO6 | PO7 | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|------|-----|-----|------|------|------|--------------------|
| CO1     | 3    | 1    | -    | -    | 2    | -   | -   | -    | 2    | -    | 2.00               |
| CO2     | 3    | 2    | -    | -    | 2    | -   | -   | -    | 2    | 1    | 2.00               |
| CO3     | 2    | 1    | -    | -    | -    | -   | -   | -    | 1    | 1    | 1.25               |
| CO4     | 3    | 3    | -    | 1    | 2    | -   | -   | 1    | 3    | 1    | 2.00               |
| CO5     | 2    | 1    | 3    | -    | -    | -   | -   | -    | 3    | 1    | 2.00               |
| Average | 2.60 | 1.60 | 3.00 | 1.00 | 2.00 | -   | -   | 1.00 | 2.20 | 1.00 | 1.85               |

Bachelor of Fashion Design

Semester-04

Course Title: DESIGN PROCESS - I (33050406)

| CO / PO | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7 | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|-----|------|------|------|--------------------|
| CO1     | 3    | 2    | -    | -    | -    | -    | -   | -    | 1    | -    | 2.00               |
| CO2     | 2    | 1    | -    | -    | 3    | -    | -   | -    | 1    | -    | 1.75               |
| CO3     | 3    | 3    | 1    | -    | 2    | -    | -   | -    | 2    | 1    | 2.00               |
| CO4     | 3    | 3    | -    | 1    | 2    | 1    | -   | 2    | 3    | 2    | 2.13               |
| CO5     | 2    | 1    | 3    | -    | -    | -    | -   | -    | 3    | 1    | 2.00               |
| Average | 2.60 | 2.00 | 2.00 | 1.00 | 2.33 | 1.00 | -   | 2.00 | 2.00 | 1.33 | 1.98               |

Bachelor of Fashion Design

Semester-04

Course Title: History of Design - II (33050407)

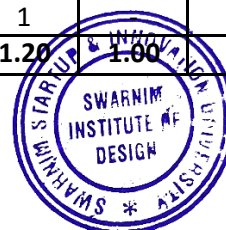
| CO / PO | PO1  | PO2  | PO3 | PO4  | PO5 | PO6 | PO7 | PO8 | PO9  | PO10 | Overall CO Average |
|---------|------|------|-----|------|-----|-----|-----|-----|------|------|--------------------|
| CO1     | 1    | -    | -   | 3    | -   | -   | -   | -   | -    | -    | 2.00               |
| CO2     | 2    | -    | -   | 3    | -   | -   | -   | -   | 1    | -    | 2.00               |
| CO3     | 2    | 1    | -   | 3    | -   | -   | -   | -   | 1    | 2    | 1.80               |
| CO4     | 3    | 2    | -   | 2    | -   | -   | -   | -   | 2    | 1    | 2.00               |
| CO5     | 2    | -    | -   | 3    | -   | -   | -   | -   | -    | 1    | 2.00               |
| Average | 2.00 | 1.50 | -   | 2.80 | -   | -   | -   | -   | 1.33 | 1.33 | 1.96               |

Bachelor of Fashion Design

Semester-04

Course Title: Digital Design - II (33050408)

| CO / PO | PO1  | PO2 | PO3 | PO4 | PO5  | PO6  | PO7 | PO8 | PO9  | PO10 | Overall CO Average |
|---------|------|-----|-----|-----|------|------|-----|-----|------|------|--------------------|
| CO1     | 1    | -   | -   | -   | -    | 2    | -   | -   | 1    | -    | 1.33               |
| CO2     | 1    | -   | -   | -   | -    | 3    | -   | -   | 1    | -    | 1.67               |
| CO3     | 2    | -   | -   | -   | -    | 2    | -   | -   | 1    | 1    | 1.50               |
| CO4     | 3    | -   | -   | -   | 1    | 3    | -   | -   | 2    | 1    | 2.00               |
| CO5     | 1    | -   | -   | -   | 3    | 2    | -   | -   | 1    | -    | 1.75               |
| Average | 1.60 | -   | -   | -   | 2.00 | 2.40 | -   | -   | 1.20 | 1.00 | 1.65               |



# SWARNIM INSTITUTE OF DESIGN

## Bachelor of Fashion Design

### Program Outcome - Course Outcome Matrix

Bachelor of Fashion Design

Semester-05

Course Title: FASHION DRAWING AND ILLUSTRATION - IV (33050501)

| CO / PO | PO1  | PO2 | PO3 | PO4 | PO5  | PO6  | PO7 | PO8 | PO9  | PO10 | Overall CO Average |
|---------|------|-----|-----|-----|------|------|-----|-----|------|------|--------------------|
| CO1     | 3    | -   | -   | -   | 2    | -    | -   | -   | -    | -    | 2.50               |
| CO2     | 3    | -   | -   | -   | 3    | -    | -   | -   | 1    | -    | 2.33               |
| CO3     | 2    | -   | -   | -   | 2    | -    | -   | -   | 1    | -    | 1.67               |
| CO4     | 2    | -   | -   | -   | 2    | 3    | -   | -   | 1    | -    | 2.00               |
| CO5     | 3    | -   | -   | -   | 3    | 2    | -   | -   | 1    | -    | 2.25               |
| Average | 2.60 | -   | -   | -   | 2.40 | 2.50 | -   | -   | 1.00 | -    | 2.15               |

Bachelor of Fashion Design

Semester-05

Course Title: PATTERN MAKING - IV (33050502)

| CO / PO | PO1  | PO2  | PO3 | PO4 | PO5  | PO6  | PO7 | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|-----|-----|------|------|-----|------|------|------|--------------------|
| CO1     | 3    | -    | -   | -   | -    | 2    | -   | -    | 1    | -    | 2.00               |
| CO2     | 3    | 1    | -   | -   | 1    | 2    | -   | -    | 1    | -    | 1.60               |
| CO3     | 2    | -    | -   | -   | -    | 1    | -   | -    | -    | -    | 1.50               |
| CO4     | 2    | -    | -   | -   | 1    | 3    | -   | 1    | 2    | 1    | 1.67               |
| CO5     | 3    | 1    | -   | -   | 2    | 2    | -   | 1    | 2    | 1    | 1.71               |
| Average | 2.60 | 1.00 | -   | -   | 1.33 | 2.00 | -   | 1.00 | 1.50 | 1.00 | 1.70               |

Bachelor of Fashion Design

Semester-05

Course Title: DRAPING - IV (33050503)

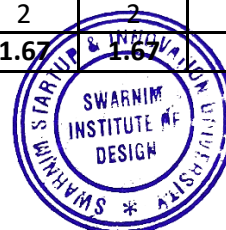
| CO / PO | PO1  | PO2  | PO3 | PO4  | PO5  | PO6  | PO7 | PO8 | PO9  | PO10 | Overall CO Average |
|---------|------|------|-----|------|------|------|-----|-----|------|------|--------------------|
| CO1     | 3    | 1    | -   | -    | 1    | 3    | -   | -   | 2    | -    | 2.00               |
| CO2     | 2    | 2    | -   | -    | -    | 3    | -   | -   | 1    | -    | 2.00               |
| CO3     | 3    | 1    | -   | -    | 1    | 2    | -   | -   | 1    | -    | 1.60               |
| CO4     | 2    | -    | -   | 1    | 2    | 3    | -   | -   | 2    | 1    | 1.83               |
| CO5     | 3    | 1    | -   | -    | 1    | 3    | -   | -   | 2    | 1    | 1.83               |
| Average | 2.60 | 1.25 | -   | 1.00 | 1.25 | 2.80 | -   | -   | 1.60 | 1.00 | 1.85               |

Bachelor of Fashion Design

Semester-05

Course Title: GARMENT CONSTRUCTION - IV (33050504)

| CO / PO | PO1  | PO2  | PO3 | PO4  | PO5  | PO6  | PO7 | PO8 | PO9  | PO10 | Overall CO Average |
|---------|------|------|-----|------|------|------|-----|-----|------|------|--------------------|
| CO1     | 3    | -    | -   | -    | 1    | 3    | -   | -   | 2    | -    | 2.25               |
| CO2     | 3    | 2    | -   | -    | 1    | 3    | -   | -   | -    | -    | 2.25               |
| CO3     | 2    | 1    | -   | -    | 1    | 2    | -   | -   | 1    | 1    | 1.33               |
| CO4     | 3    | -    | -   | 1    | 2    | 2    | -   | -   | -    | 2    | 2.00               |
| CO5     | 2    | 1    | -   | -    | 2    | 3    | -   | -   | 2    | 2    | 2.00               |
| Average | 2.60 | 1.33 | -   | 1.00 | 1.40 | 2.60 | -   | -   | 1.67 | 1.67 | 1.97               |



# SWARNIM INSTITUTE OF DESIGN

## Bachelor of Fashion Design

### Program Outcome - Course Outcome Matrix

Bachelor of Fashion Design

Semester-05

Course Title: SURFACE TECHNIQUES - IV (33050505)

| CO / PO | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7  | PO8 | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|------|-----|------|------|--------------------|
| CO1     | 3    | 1    | -    | -    | 2    | 2    | -    | -   | 2    | -    | 2.00               |
| CO2     | 3    | 2    | 1    | -    | 1    | 2    | 1    | -   | 3    | 1    | 1.75               |
| CO3     | 2    | -    | 2    | -    | -    | 3    | -    | -   | 2    | -    | 2.25               |
| CO4     | 3    | 2    | -    | 2    | 2    | 1    | -    | -   | 2    | 1    | 1.86               |
| CO5     | 3    | 2    | 1    | -    | 2    | 2    | 1    | -   | 3    | 2    | 2.00               |
| Average | 2.80 | 1.75 | 1.33 | 2.00 | 1.75 | 2.00 | 1.00 | -   | 2.40 | 1.33 | 1.97               |

Bachelor of Fashion Design

Semester-05

Course Title: DESIGN PROCESS - II (33050506)

| CO / PO | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7  | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|------|------|------|------|--------------------|
| CO1     | 3    | 1    | -    | -    | -    | -    | -    | -    | 3    | -    | 2.33               |
| CO2     | 2    | 2    | 1    | 3    | 2    | -    | -    | -    | 3    | 1    | 2.00               |
| CO3     | 2    | 2    | -    | 2    | -    | -    | -    | -    | 3    | -    | 2.25               |
| CO4     | 3    | -    | 1    | -    | 2    | 2    | 1    | 1    | 3    | 1    | 1.75               |
| CO5     | 1    | -    | -    | 1    | 3    | 2    | -    | 1    | 2    | 2    | 1.71               |
| Average | 2.20 | 1.67 | 1.00 | 2.00 | 2.33 | 2.00 | 1.00 | 1.00 | 2.80 | 1.33 | 2.01               |

Bachelor of Fashion Design

Semester-05

Course Title: HISTORY OF DESIGN - III (33050507)

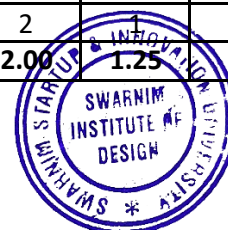
| CO / PO | PO1  | PO2  | PO3 | PO4  | PO5  | PO6 | PO7 | PO8 | PO9  | PO10 | Overall CO Average |
|---------|------|------|-----|------|------|-----|-----|-----|------|------|--------------------|
| CO1     | 2    | 2    | -   | 3    | 1    | -   | -   | -   | 2    | 1    | 1.83               |
| CO2     | 2    | 1    | -   | 2    | -    | -   | -   | -   | 1    | -    | 1.50               |
| CO3     | 1    | 1    | -   | 3    | -    | -   | -   | -   | 2    | 1    | 1.60               |
| CO4     | -    | -    | -   | 1    | 2    | -   | -   | -   | 2    | -    | 1.67               |
| CO5     | 1    | 2    | -   | 3    | 1    | -   | -   | -   | 3    | 1    | 1.83               |
| Average | 1.50 | 1.50 | -   | 2.40 | 1.33 | -   | -   | -   | 2.00 | 1.00 | 1.69               |

Bachelor of Fashion Design

Semester-05

Course Title: DIGITAL DESIGN – II (33050508)

| CO / PO | PO1  | PO2  | PO3 | PO4 | PO5  | PO6  | PO7  | PO8 | PO9  | PO10 | Overall CO Average |
|---------|------|------|-----|-----|------|------|------|-----|------|------|--------------------|
| CO1     | 1    | -    | -   | -   | -    | 3    | -    | -   | 2    | 1    | 1.75               |
| CO2     | 2    | -    | -   | -   | 3    | 3    | -    | -   | 1    | -    | 2.25               |
| CO3     | 2    | 1    | -   | -   | 2    | 2    | -    | -   | 2    | 1    | 1.67               |
| CO4     | 1    | -    | -   | -   | 1    | 3    | -    | -   | 3    | 2    | 2.00               |
| CO5     | -    | -    | -   | -   | 3    | 2    | 1    | -   | 2    | -    | 1.80               |
| Average | 1.50 | 1.00 | -   | -   | 2.25 | 2.60 | 1.00 | -   | 2.00 | 1.25 | 1.89               |



# SWARNIM INSTITUTE OF DESIGN

## Bachelor of Fashion Design

### Program Outcome - Course Outcome Matrix

Bachelor of Fashion Design

Semester-06

Course Title: FASHION DRAWING AND ILLUSTRATION - V (33050601)

| CO / PO | PO1  | PO2  | PO3 | PO4 | PO5  | PO6  | PO7 | PO8 | PO9  | PO10 | Overall CO Average |
|---------|------|------|-----|-----|------|------|-----|-----|------|------|--------------------|
| CO1     | 3    | -    | -   | -   | 1    | 2    | -   | -   | 3    | -    | 2.25               |
| CO2     | 2    | 1    | -   | -   | 3    | 1    | -   | -   | 2    | -    | 1.80               |
| CO3     | 2    | -    | -   | -   | 2    | 3    | -   | -   | 3    | 1    | 2.20               |
| CO4     | 1    | 3    | -   | -   | 1    | 2    | -   | -   | 3    | 2    | 2.00               |
| CO5     | 2    | 1    | -   | -   | 3    | 2    | -   | -   | 3    | 1    | 2.00               |
| Average | 2.00 | 1.67 | -   | -   | 2.00 | 2.00 | -   | -   | 2.80 | 1.33 | 2.05               |

Bachelor of Fashion Design

Semester-06

Course Title: PATTERN MAKING - V (33050602)

| CO / PO | PO1  | PO2  | PO3 | PO4 | PO5  | PO6  | PO7 | PO8 | PO9  | PO10 | Overall CO Average |
|---------|------|------|-----|-----|------|------|-----|-----|------|------|--------------------|
| CO1     | 3    | 1    | -   | -   | -    | 2    | -   | -   | 2    | -    | 2.00               |
| CO2     | 2    | -    | -   | -   | -    | 3    | -   | -   | 3    | -    | 2.67               |
| CO3     | 2    | 1    | -   | -   | 1    | 3    | -   | -   | 3    | -    | 2.00               |
| CO4     | 3    | 1    | -   | -   | 2    | 2    | -   | -   | 3    | 1    | 2.00               |
| CO5     | 3    | -    | -   | -   | 2    | 3    | -   | -   | 3    | 1    | 2.40               |
| Average | 2.60 | 1.00 | -   | -   | 1.67 | 2.60 | -   | -   | 2.80 | 1.00 | 2.21               |

Bachelor of Fashion Design

Semester-06

Course Title: DRAPING - V (33050603)

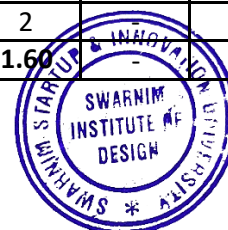
| CO / PO | PO1  | PO2  | PO3 | PO4 | PO5  | PO6  | PO7 | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|-----|-----|------|------|-----|------|------|------|--------------------|
| CO1     | 3    | 2    | -   | -   | 1    | 1    | -   | -    | 3    | -    | 2.00               |
| CO2     | 3    | 1    | -   | -   | -    | 2    | -   | -    | 2    | -    | 2.00               |
| CO3     | 3    | 3    | -   | -   | 1    | 1    | -   | 1    | 3    | -    | 2.00               |
| CO4     | 2    | 1    | -   | -   | 2    | 3    | -   | -    | 3    | -    | 2.20               |
| CO5     | 3    | 2    | -   | -   | 1    | 2    | -   | -    | 3    | -    | 2.20               |
| Average | 2.80 | 1.80 | -   | -   | 1.25 | 1.80 | -   | 1.00 | 2.80 | -    | 2.08               |

Bachelor of Fashion Design

Semester-06

Course Title: GARMENT CONSTRUCTION - V (33050604)

| CO / PO | PO1  | PO2  | PO3  | PO4 | PO5  | PO6  | PO7 | PO8 | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|-----|------|------|-----|-----|------|------|--------------------|
| CO1     | 3    | 1    | -    | -   | 1    | 2    | -   | -   | 1    | -    | 1.60               |
| CO2     | 3    | 1    | -    | -   | -    | 2    | -   | -   | 1    | -    | 1.75               |
| CO3     | 3    | 2    | -    | -   | 1    | 3    | -   | -   | 2    | -    | 2.20               |
| CO4     | 2    | 1    | -    | -   | -    | 3    | -   | -   | 2    | -    | 2.00               |
| CO5     | 1    | -    | 3    | -   | -    | 1    | -   | -   | 2    | -    | 1.75               |
| Average | 2.40 | 1.25 | 3.00 | -   | 1.00 | 2.20 | -   | -   | 1.60 | -    | 1.86               |



# SWARNIM INSTITUTE OF DESIGN

## Bachelor of Fashion Design

### Program Outcome - Course Outcome Matrix

Bachelor of Fashion Design

Semester-06

Course Title: SURFACE TECHNIQUES - V (33050605)

| CO / PO | PO1  | PO2  | PO3  | PO4 | PO5  | PO6  | PO7 | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|-----|------|------|-----|------|------|------|--------------------|
| CO1     | 3    | 1    | 2    | -   | -    | 3    | -   | -    | 2    | 1    | 2.00               |
| CO2     | 2    | 2    | -    | -   | -    | 2    | -   | -    | 1    | -    | 1.75               |
| CO3     | 1    | 1    | -    | -   | -    | 3    | -   | -    | 2    | -    | 1.75               |
| CO4     | 1    | 3    | -    | -   | 1    | 2    | -   | 1    | -    | 1    | 1.50               |
| CO5     | 3    | 2    | 3    | -   | 2    | 3    | -   | 1    | 3    | 2    | 2.38               |
| Average | 2.00 | 1.80 | 2.50 | -   | 1.50 | 2.60 | -   | 1.00 | 2.00 | 1.33 | 1.88               |

Bachelor of Fashion Design

Semester-06

Course Title: DESIGN PROCESS - III (33050606)

| CO / PO | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7  | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|------|------|------|------|--------------------|
| CO1     | 3    | 3    | 1    | 1    | 1    | -    | 1    | 1    | 2    | -    | 1.63               |
| CO2     | 2    | 3    | -    | -    | 1    | 2    | -    | -    | 1    | -    | 1.80               |
| CO3     | 3    | 3    | 1    | -    | 3    | 1    | 1    | -    | 2    | -    | 2.00               |
| CO4     | 1    | 2    | -    | 3    | -    | 2    | -    | -    | -    | 1    | 1.80               |
| CO5     | 2    | 2    | 1    | 2    | 1    | -    | -    | -    | -    | 2    | 1.67               |
| Average | 2.20 | 2.60 | 1.00 | 2.00 | 1.50 | 1.67 | 1.00 | 1.00 | 1.67 | 1.50 | 1.78               |

Bachelor of Fashion Design

Semester-06

Course Title: HISTORY OF DESIGN - IV (33050607)

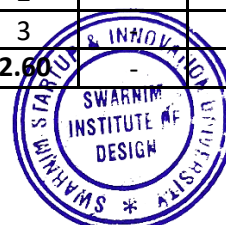
| CO / PO | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7 | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|-----|------|------|------|--------------------|
| CO1     | 1    | 3    | 3    | 1    | 1    | -    | -   | -    | 2    | 2    | 1.86               |
| CO2     | 2    | 3    | 1    | 2    | 1    | -    | -   | 1    | 2    | -    | 1.71               |
| CO3     | 3    | 2    | 3    | -    | 2    | -    | -   | -    | 1    | 1    | 2.00               |
| CO4     | -    | -    | 2    | 3    | 2    | 1    | -   | 1    | -    | -    | 1.80               |
| CO5     | -    | 1    | 2    | 2    | 3    | -    | -   | -    | -    | 2    | 2.00               |
| Average | 2.00 | 2.25 | 2.20 | 2.00 | 1.80 | 1.00 | -   | 1.00 | 1.67 | 1.67 | 1.87               |

Bachelor of Fashion Design

Semester-06

Course Title: DIGITAL DESIGN - III (33050608)

| CO / PO | PO1  | PO2  | PO3  | PO4  | PO5 | PO6  | PO7 | PO8 | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|-----|------|-----|-----|------|------|--------------------|
| CO1     | 2    | 3    | 1    | 1    | -   | 3    | -   | -   | 3    | -    | 2.17               |
| CO2     | 1    | 2    | 3    | 1    | -   | 1    | -   | -   | 2    | -    | 1.67               |
| CO3     | 2    | 3    | 2    | 2    | -   | 3    | -   | -   | 3    | -    | 2.50               |
| CO4     | -    | 2    | -    | 3    | -   | 3    | -   | -   | 2    | -    | 2.50               |
| CO5     | 1    | 1    | -    | 1    | -   | -    | -   | -   | 3    | -    | 1.50               |
| Average | 1.50 | 2.20 | 2.00 | 1.60 | -   | 2.50 | -   | -   | 2.60 | -    | 2.07               |



# SWARNIM INSTITUTE OF DESIGN

## Bachelor of Fashion Design

### Program Outcome - Course Outcome Matrix

Bachelor of Fashion Design

Semester-07

Course Title: Industry Work Culture (33050701)

| CO / PO | PO1 | PO2  | PO3  | PO4 | PO5  | PO6 | PO7  | PO8  | PO9  | PO10 | Overall CO Average |
|---------|-----|------|------|-----|------|-----|------|------|------|------|--------------------|
| CO1     | -   | 2    | -    | -   | 1    | -   | 2    | 2    | 1    | 3    | 1.83               |
| CO2     | -   | 3    | 3    | -   | 3    | -   | 2    | 3    | 2    | 2    | 2.57               |
| CO3     | -   | 2    | 2    | -   | 3    | -   | 1    | 3    | -    | -    | 2.20               |
| CO4     | -   | -    | 3    | -   | -    | -   | 1    | -    | -    | -    | 2.00               |
| CO5     | -   | 2    | 2    | -   | 2    | -   | 2    | -    | 3    | 2    | 2.17               |
| Average | -   | 2.25 | 2.50 | -   | 2.25 | -   | 1.60 | 2.67 | 2.00 | 2.33 | 2.15               |

Bachelor of Fashion Design

Semester-07

Course Title: JEANS CULTURE (33050702)

| CO / PO | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7  | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|------|------|------|------|--------------------|
| CO1     | -    | 1    | -    | 2    | -    | -    | -    | -    | -    | 1    | 1.33               |
| CO2     | -    | 3    | -    | -    | -    | -    | 1    | -    | 1    | 2    | 1.75               |
| CO3     | -    | 2    | 2    | -    | -    | 2    | 1    | 1    | 2    | 2    | 1.71               |
| CO4     | 2    | 3    | 1    | -    | 2    | 3    | 2    | 2    | 3    | 3    | 2.33               |
| CO5     | -    | 3    | -    | -    | 1    | -    | 3    | 1    | 2    | 3    | 2.17               |
| Average | 2.00 | 2.40 | 1.50 | 2.00 | 1.50 | 2.50 | 1.75 | 1.33 | 2.00 | 2.20 | 1.86               |

Bachelor of Fashion Design

Semester-07

Course Title: DENIM WEAR (33050703)

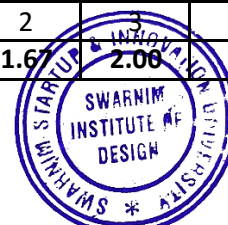
| CO / PO | PO1 | PO2  | PO3  | PO4 | PO5  | PO6 | PO7  | PO8  | PO9  | PO10 | Overall CO Average |
|---------|-----|------|------|-----|------|-----|------|------|------|------|--------------------|
| CO1     | -   | 2    | -    | -   | 1    | -   | 2    | 2    | 1    | 3    | 1.83               |
| CO2     | -   | 3    | 3    | -   | 3    | -   | 2    | 3    | 2    | 2    | 2.57               |
| CO3     | -   | 2    | 2    | -   | 3    | -   | 1    | 3    | -    | -    | 2.20               |
| CO4     | -   | -    | 3    | -   | -    | -   | 1    | -    | -    | -    | 2.00               |
| CO5     | -   | 2    | 2    | -   | 2    | -   | 2    | -    | 3    | 2    | 2.17               |
| Average | -   | 2.25 | 2.50 | -   | 2.25 | -   | 1.60 | 2.67 | 2.00 | 2.33 | 2.15               |

Bachelor of Fashion Design

Semester-07

Course Title: JEANS CULTURE (33050704)

| CO / PO | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7  | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|------|------|------|------|--------------------|
| CO1     | 2    | 1    | -    | -    | -    | 2    | -    | -    | -    | 1    | 1.50               |
| CO2     | -    | 3    | -    | 2    | -    | -    | -    | -    | 1    | -    | 2.00               |
| CO3     | 3    | 2    | -    | -    | 2    | 3    | -    | 1    | -    | 2    | 2.17               |
| CO4     | -    | 2    | 2    | 1    | -    | -    | 1    | -    | 2    | 2    | 1.67               |
| CO5     | 2    | 3    | -    | 1    | 2    | 2    | 2    | -    | 2    | 3    | 2.13               |
| Average | 2.33 | 2.20 | 2.00 | 1.33 | 2.00 | 2.33 | 1.50 | 1.00 | 1.67 | 2.00 | 1.89               |



# SWARNIM INSTITUTE OF DESIGN

## Bachelor of Fashion Design

### Program Outcome - Course Outcome Matrix

Bachelor of Fashion Design

Semester-07

Course Title: ADVANCE PATTERN MAKING (33050705)

| CO / PO | PO1  | PO2  | PO3  | PO4 | PO5  | PO6  | PO7 | PO8 | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|-----|------|------|-----|-----|------|------|--------------------|
| CO1     | 3    | 2    | 1    | -   | 1    | 2    | -   | -   | 2    | -    | 1.83               |
| CO2     | 2    | -    | 2    | -   | 1    | 1    | -   | -   | -    | -    | 1.50               |
| CO3     | 3    | -    | -    | -   | 1    | -    | -   | -   | -    | 1    | 1.67               |
| CO4     | 1    | 1    | -    | -   | -    | 3    | -   | -   | 2    | 2    | 1.80               |
| CO5     | 2    | -    | -    | -   | -    | 1    | -   | -   | 3    | 1    | 1.75               |
| Average | 2.20 | 1.50 | 1.50 | -   | 1.00 | 1.75 | -   | -   | 2.33 | 1.33 | 1.71               |

Bachelor of Fashion Design

Semester-07

Course Title: NEW-AGE ILLUSTRATION (DIGITAL) (33050706)

| CO / PO | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7  | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|------|------|------|------|--------------------|
| CO1     | 1    | -    | -    | -    | -    | 3    | 1    | -    | 2    | 2    | 1.80               |
| CO2     | 2    | -    | -    | -    | 1    | 2    | 1    | -    | 2    | -    | 1.60               |
| CO3     | 1    | 1    | -    | -    | -    | 3    | -    | -    | -    | -    | 1.67               |
| CO4     | 2    | 3    | 2    | -    | 1    | 3    | -    | 1    | -    | 2    | 2.00               |
| CO5     | 3    | 2    | -    | 1    | 2    | 3    | -    | 1    | -    | 2    | 2.00               |
| Average | 1.80 | 2.00 | 2.00 | 1.00 | 1.33 | 2.80 | 1.00 | 1.00 | 2.00 | 2.00 | 1.81               |

Bachelor of Fashion Design

Semester-07

Course Title: ADVANCE PATTERN MAKING (33050707)

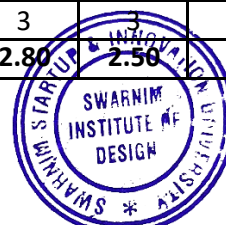
| CO / PO | PO1  | PO2  | PO3  | PO4 | PO5  | PO6  | PO7 | PO8 | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|-----|------|------|-----|-----|------|------|--------------------|
| CO1     | 3    | 2    | 1    | -   | 1    | 2    | -   | -   | 2    | -    | 1.83               |
| CO2     | 2    | -    | 2    | -   | 1    | 1    | -   | -   | -    | -    | 1.50               |
| CO3     | 3    | -    | -    | -   | 1    | -    | -   | -   | -    | 1    | 1.67               |
| CO4     | 1    | 1    | -    | -   | -    | 3    | -   | -   | 2    | 2    | 1.80               |
| CO5     | 2    | -    | -    | -   | -    | 1    | -   | -   | 3    | 1    | 1.75               |
| Average | 2.20 | 1.50 | 1.50 | -   | 1.00 | 1.75 | -   | -   | 2.33 | 1.33 | 1.71               |

Bachelor of Fashion Design

Semester-07

Course Title: FASHION SUSTAINABILITY (33050708)

| CO / PO | PO1  | PO2  | PO3  | PO4 | PO5  | PO6  | PO7  | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|-----|------|------|------|------|------|------|--------------------|
| CO1     | 1    | -    | 3    | -   | -    | -    | -    | -    | 3    | -    | 2.33               |
| CO2     | 1    | -    | 3    | -   | -    | -    | -    | -    | 3    | -    | 2.33               |
| CO3     | 2    | 1    | 2    | -   | -    | -    | 1    | -    | 3    | 2    | 1.83               |
| CO4     | 1    | -    | 2    | -   | -    | 1    | -    | 1    | 2    | -    | 1.40               |
| CO5     | 2    | 1    | 2    | -   | 1    | -    | 2    | -    | 3    | 2    | 2.00               |
| Average | 1.40 | 1.00 | 2.40 | -   | 1.00 | 1.00 | 1.50 | 1.00 | 2.80 | 2.50 | 1.98               |



# SWARNIM INSTITUTE OF DESIGN

## Bachelor of Fashion Design

### Program Outcome - Course Outcome Matrix

Bachelor of Fashion Design

Semester-08

Course Title: GRADUATION PROJECT (INTERNSHIP) (33050801)

| CO / PO | PO1  | PO2  | PO3  | PO4 | PO5  | PO6 | PO7  | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|-----|------|-----|------|------|------|------|--------------------|
| CO1     | 1    | 1    | -    | -   | -    | -   | 3    | 3    | 3    | 2    | 2.17               |
| CO2     | -    | 1    | -    | -   | -    | -   | 3    | 2    | 2    | 2    | 2.00               |
| CO3     | -    | 2    | 2    | -   | -    | -   | 2    | 2    | 3    | -    | 2.20               |
| CO4     | -    | 1    | 1    | -   | 1    | -   | 2    | 3    | 3    | 1    | 1.71               |
| CO5     | 2    | -    | 2    | -   | 2    | -   | 3    | 3    | 3    | 3    | 2.57               |
| Average | 1.50 | 1.25 | 1.67 | -   | 1.50 | -   | 2.60 | 2.60 | 2.80 | 2.00 | 2.13               |



## SWARRNIM INSTITUTE OF DESIGN

### Bachelors of Interior Design

#### Program Outcome - Course Outcome Matrix

##### Program Outcome (PO)

**PO1: Design Principles and Elements:** Demonstrate a solid understanding of fundamental design principles and elements. Apply these principles to create aesthetically pleasing and functional interior spaces.

**PO2: Space Planning:** Develop proficiency in space planning, considering factors such as ergonomics, traffic flow, and spatial relationships. Create interior layouts that optimize the use of space for different purposes.

**PO3: Material and Finish Selection:** Understand various materials and finishes used in interior design. Make informed choices regarding materials based on their properties, sustainability, and aesthetic considerations.

**PO4: Colour Theory:** Apply colour theory to create harmonious and mood-appropriate colour schemes. Understand the psychological and emotional impact of colour in interior spaces.

**PO5: Technical Drawing and Rendering:** Create accurate technical drawings, floor plans, and elevations. Use digital tools for 3D modelling and rendering to visualize design concepts.

**PO6. Furniture Design and Selection:** Design custom furniture pieces that complement the overall design concept. Select and arrange furniture to enhance the functionality and aesthetics of interior spaces.

**PO7: Lighting Design:** Understand the principles of lighting design for different purposes and moods. Integrate natural and artificial lighting effectively in interior spaces.

**PO8: Building Codes and Regulations:** Demonstrate knowledge of building codes and regulations relevant to interior design. Ensure that design proposals comply with safety, accessibility, and legal requirements.

**PO9: Client Communication:** Effectively communicate design concepts and proposals to clients. Incorporate client feedback and preferences into the design process.

**PO10: Cultural and Historical Context:** Understand the historical and cultural context of interior design. Apply this understanding to create designs that are culturally sensitive and contextually relevant.

These outcomes ensure that graduates of the Master of Planning program are well-prepared to take on leadership roles in urban and regional planning, policy-making, and sustainable development across different contexts.

Below CO-PO Mapping Matrix for **B.ID** program, aligned with the stated Program Outcomes (POs) using a standard 3-2-1 scale:

- 3 = Strongly aligned
- 2 = Moderately aligned
- 1 = Slightly aligned
- (blank) = Not significantly aligned

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**Bachelor of Interior Design**

Semester-01

**Course Title: Foundation Studio-I (33000001)**
**Course Outcomes (Cos)**

- CO1: Understanding the basic principles and elements of design.
- CO2: Developing skills in spatial composition and visual representation.
- CO3: Application of design fundamentals in creating functional spaces.
- CO4: Analyzing and interpreting spatial requirements.
- CO5: Creating innovative and sustainable interior solutions.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | -   | -   | 1   | -   | -   | -   | -   | -   | -    | 2.00               |
| CO2     | 2   | 3   | -   | -   | 2   | 1   | -   | -   | -   | -    | 2.00               |
| CO3     | 3   | 2   | 2   | -   | 1   | 2   | 1   | -   | -   | -    | 1.83               |
| CO4     | -   | 3   | 1   | -   | -   | -   | -   | -   | -   | -    | 2.00               |
| CO5     | 1   | 2   | 3   | 1   | 2   | 3   | 1   | -   | -   | -    | 1.86               |

**Bachelor of Interior Design**

Semester-01

**Course Title: Interior Material and Construction – I (33030101)**
**Course Outcomes (Cos)**

- CO1: Understanding the properties and applications of various construction materials.
- CO2: Ability to identify and select appropriate materials for interior construction.
- CO3: Developing skills in reading and interpreting construction drawings.
- CO4: Application of basic construction techniques and methods in interior projects.
- CO5: Evaluating the impact of materials on the functionality and aesthetics of interior spaces.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | -   | -   | 3   | -   | -   | -   | -   | -   | -   | -    | 3.00               |
| CO2     | -   | -   | 3   | -   | -   | -   | -   | -   | -   | -    | 3.00               |
| CO3     | -   | -   | -   | -   | 3   | -   | -   | 1   | -   | -    | 2.00               |
| CO4     | -   | -   | 1   | -   | 1   | -   | -   | 1   | -   | -    | 1.00               |
| CO5     | 1   | -   | 3   | -   | 1   | -   | -   | -   | -   | -    | 1.67               |



**Bachelor of Interior Design**

Semester-01

**Course Title: Technical Representation of Drawings - I (33030102)**
**Course Outcomes (Cos)**

- CO1: Understanding the basic principles and elements of design.
- CO2: Developing skills in spatial composition and visual representation.
- CO3: Application of design fundamentals in creating functional spaces.
- CO4: Analyzing and interpreting spatial requirements.
- CO5: Creating innovative and sustainable interior solutions.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | -   | -   | -   | -   | -   | -   | -   | -   | -    | 3.00               |
| CO2     | 3   | 3   | -   | -   | 1   | -   | -   | -   | -   | -    | 2.33               |
| CO3     | 3   | 3   | 2   | -   | 1   | 2   | -   | -   | -   | -    | 2.20               |
| CO4     | 3   | 3   | 1   | -   | -   | -   | -   | -   | -   | -    | 2.33               |
| CO5     | 2   | 3   | 3   | 1   | 1   | 1   | -   | -   | -   | 1    | 1.71               |

**Bachelor of Interior Design**

Semester-01

**Course Title: Humanities (33030103)**
**Course Outcomes (Cos)**

- CO1: Understanding the role of humanities in the context of interior design.
- CO2: Analyzing historical, cultural, and social influences on design.
- CO3: Developing a critical approach towards human behavior and its impact on spatial design.
- CO4: Enhancing communication skills to effectively articulate design ideas.
- CO5: Applying ethical and cultural considerations in design solutions.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | -   | -   | -   | -   | -   | -   | -   | -   | -   | 2    | 2.00               |
| CO2     | 1   | -   | -   | -   | -   | 2   | -   | -   | -   | 3    | 2.00               |
| CO3     | 2   | -   | -   | -   | -   | 1   | -   | -   | -   | 1    | 1.33               |
| CO4     | -   | -   | -   | -   | -   | 2   | -   | -   | 3   | 2    | 2.33               |
| CO5     | -   | -   | -   | -   | -   | -   | -   | -   | -   | 3    | 3.00               |



**Bachelor of Interior Design**

Semester-01

**Course Title: Design Communication (33030103)**
**Course Outcomes (Cos)**

- CO1: Understanding the fundamentals of visual communication and design elements.
- CO2: Developing proficiency in using various media and tools for visual representation.
- CO3: Ability to effectively communicate design concepts through sketches, drawings, and digital presentations.
- CO4: Enhancing skills in verbal and written communication to present design ideas clearly.
- CO5: Applying design communication skills to collaborate and work in a team setting.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | -   | -   | -   | -   | -   | -   | -   | -   | -    | 3.00               |
| CO2     | 1   | -   | -   | -   | 2   | -   | -   | -   | -   | -    | 1.50               |
| CO3     | 2   | -   | -   | -   | 3   | -   | -   | -   | 1   | -    | 2.00               |
| CO4     | 1   | -   | -   | -   | 1   | -   | -   | -   | 3   | -    | 1.67               |
| CO5     | 2   | -   | -   | -   | 1   | -   | -   | -   | 2   | -    | 1.67               |


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**Bachelor of Interior Design**

Semester-02

**Course Title: Design Communication- I (33030201)**
**Course Outcomes (Cos)**

- CO1: Understanding the basic principles of spatial design and their application in interior spaces.
- CO2: Developing skills in conceptualizing and visualizing interior design projects.
- CO3: Applying design theories and techniques to create functional and aesthetically pleasing spaces.
- CO4: Enhancing problem-solving skills through design challenges and case studies.
- CO5: Communicating design concepts effectively through various presentation techniques and mediums.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | 2   | -   | -   | -   | -   | -   | -   | -   | -    | 2.50               |
| CO2     | 2   | 3   | -   | -   | -   | -   | -   | -   | -   | -    | 2.50               |
| CO3     | 3   | 2   | 1   | -   | 1   | -   | -   | -   | 1   | -    | 1.60               |
| CO4     | 1   | -   | -   | -   | -   | -   | -   | -   | 1   | -    | 1.00               |
| CO5     | -   | -   | -   | -   | 2   | -   | -   | -   | 3   | -    | 2.50               |

**Bachelor of Interior Design**

Semester-02

**Course Title: Interior Material and Constructions-II (33030202)**
**Course Outcomes (Cos)**

- CO1: Understanding the advanced properties and applications of interior construction materials.
- CO2: Analyzing the structural behavior and performance of different materials in interior applications.
- CO3: Developing detailed construction drawings and specifications for interior projects.
- CO4: Applying construction techniques to complex interior design projects.
- CO5: Evaluating the environmental impact and sustainability of materials used in interior design.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 1   | -   | 3   | -   | -   | -   | -   | -   | -   | -    | 2.00               |
| CO2     | -   | -   | 3   | -   | -   | -   | -   | 1   | -   | -    | 2.00               |
| CO3     | -   | -   | 2   | -   | 3   | -   | -   | 2   | -   | -    | 2.33               |
| CO4     | 1   | 2   | 2   | -   | 1   | 2   | -   | 1   | -   | -    | 1.50               |
| CO5     | -   | -   | 3   | -   | -   | -   | -   | -   | -   | -    | 3.00               |

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**Bachelor of Interior Design**

Semester-02

**Course Title: Technical Representation of Drawings-II (33030203)**
**Course Outcomes (Cos)**

- CO1: Mastering the principles and techniques of technical drawing.
- CO2: Using advanced digital tools and software for drafting and visualizing interior spaces.
- CO3: Producing precise and detailed construction drawings for interior projects.
- CO4: Applying technical drawing skills to represent complex interior design solutions.
- CO5: Effectively communicating design ideas through visual and technical representation.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 2   | 1   | -   | -   | 3   | -   | -   | -   | -   | -    | 2.00               |
| CO2     | 1   | 1   | -   | -   | 3   | -   | -   | -   | 1   | -    | 1.50               |
| CO3     | -   | -   | 1   | -   | 3   | -   | -   | 1   | -   | -    | 1.67               |
| CO4     | 1   | 2   | -   | -   | 2   | -   | -   | 1   | -   | -    | 1.50               |
| CO5     | -   | -   | -   | -   | 2   | -   | -   | -   | 2   | -    | 2.00               |

**Bachelor of Interior Design**

Semester-02

**Course Title: Basics of Design (33030204)**
**Course Outcomes (Cos)**

- CO1: Understanding the fundamental principles and elements of design.
- CO2: Developing skills in visualization and spatial design.
- CO3: Applying design principles to create functional spaces.
- CO4: Enhancing skills in technical drawing and model-making.
- CO5: Communicating design ideas effectively through various mediums.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | -   | -   | -   | 2   | -   | -   | -   | 1   | -    | 2.00               |
| CO2     | 2   | 3   | -   | -   | 1   | -   | -   | -   | -   | -    | 2.00               |
| CO3     | 2   | 1   | -   | 1   | 3   | -   | -   | -   | 1   | -    | 1.60               |
| CO4     | 3   | 1   | -   | 2   | 3   | -   | -   | -   | -   | -    | 2.25               |
| CO5     | 1   | 2   | 1   | -   | 3   | 1   | -   | 1   | 2   | -    | 1.57               |



**Bachelor of Interior Design**

Semester-02

**Course Title: History of interior and furniture design-1 (33030205)**
**Course Outcomes (Cos)**

- CO1: Understanding the evolution of interior design and furniture styles from ancient to medieval periods.
- CO2: Analyzing the historical context and cultural influences on interior design and furniture styles.
- CO3: Developing the ability to identify key design characteristics from various historical periods.
- CO4: Applying knowledge of historical design trends to modern interior design projects.
- CO5: Evaluating the impact of past interior and furniture design on contemporary practices.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 2   | -   | -   | -   | 1   | -   | -   | -   | -   | 3    | 2.00               |
| CO2     | 1   | -   | -   | 1   | -   | -   | -   | -   | 1   | 2    | 1.25               |
| CO3     | 2   | 1   | -   | 1   | 2   | -   | -   | -   | 1   | 3    | 1.67               |
| CO4     | 3   | -   | -   | 2   | 3   | 1   | -   | -   | -   | 2    | 2.20               |
| CO5     | 2   | 1   | -   | -   | 2   | -   | -   | 1   | -   | 3    | 1.80               |

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**Bachelor of Interior Design**

Semester-03

**Course Title: Design studio-II (33030301)**
**Course Outcomes (Cos)**

- CO1: Understanding advanced spatial design concepts and their application in interior spaces.
- CO2: Developing skills in conceptualizing and visualizing complex interior design projects.
- CO3: Applying advanced design theories to create functional and aesthetically pleasing spaces.
- CO4: Enhancing critical thinking and problem-solving skills through design challenges and real-world case studies.
- CO5: Effectively communicating design ideas through professional presentation techniques and mediums.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | 2   | -   | -   | 2   | -   | -   | -   | 2   | 3    | 2.40               |
| CO2     | 2   | 3   | -   | -   | 2   | -   | -   | -   | 2   | 3    | 2.40               |
| CO3     | 3   | 2   | 1   | -   | 3   | -   | -   | 2   | 2   | 3    | 2.29               |
| CO4     | 3   | 3   | -   | 3   | 3   | 2   | 2   | 3   | 3   | 3    | 2.78               |
| CO5     | 3   | 3   | -   | 2   | 3   | 2   | 2   | 3   | 3   | 3    | 2.67               |

**Bachelor of Interior Design**

Semester-03

**Course Title: Interior Material and Construction-III (33030202)**
**Course Outcomes (Cos)**

- CO1: Understanding advanced properties and applications of interior construction materials.
- CO2: Analyzing the structural performance of materials in complex interior design projects.
- CO3: Developing detailed construction drawings and specifications for interior design.
- CO4: Applying modern construction techniques to interior projects.
- CO5: Evaluating the sustainability and environmental impact of materials used in interior design.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | -   | -   | 3   | -   | 2   | -   | -   | 1   | -   | -    | 2.00               |
| CO2     | -   | 3   | 3   | -   | 3   | 2   | -   | 3   | -   | -    | 2.80               |
| CO3     | -   | -   | 3   | -   | 3   | 2   | -   | 2   | -   | -    | 2.50               |
| CO4     | -   | -   | 2   | 3   | 3   | 2   | -   | 3   | -   | 2    | 2.50               |
| CO5     | 3   | -   | 3   | 2   | 3   | 1   | -   | 2   | 3   | 3    | 2.50               |




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**Bachelor of Interior Design**

Semester-03

**Course Title: Design studio-II (33030301)**
**Course Outcomes (Cos)**

- CO1: Understanding advanced spatial design concepts and their application in interior spaces.
- CO2: Developing skills in conceptualizing and visualizing complex interior design projects.
- CO3: Applying advanced design theories to create functional and aesthetically pleasing spaces.
- CO4: Enhancing critical thinking and problem-solving skills through design challenges and real-world case studies.
- CO5: Effectively communicating design ideas through professional presentation techniques and mediums.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | 2   | -   | -   | 2   | -   | -   | -   | 2   | 3    | 2.40               |
| CO2     | 2   | 3   | -   | -   | 2   | -   | -   | -   | 2   | 3    | 2.40               |
| CO3     | 3   | 2   | 1   | -   | 3   | -   | -   | 2   | 2   | 3    | 2.29               |
| CO4     | 3   | 3   | -   | 3   | 3   | 2   | 2   | 3   | 3   | 3    | 2.78               |
| CO5     | 3   | 3   | -   | 2   | 3   | 2   | 2   | 3   | 3   | 3    | 2.67               |

**Bachelor of Interior Design**

Semester-03

**Course Title: Interior Material and Construction-III (33030302)**
**Course Outcomes (Cos)**

- CO1: Understanding advanced properties and applications of interior construction materials.
- CO2: Analyzing the structural performance of materials in complex interior design projects.
- CO3: Developing detailed construction drawings and specifications for interior design.
- CO4: Applying modern construction techniques to interior projects.
- CO5: Evaluating the sustainability and environmental impact of materials used in interior design.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | -   | -   | 3   | -   | 2   | -   | -   | 1   | -   | -    | 2.00               |
| CO2     | -   | 3   | 3   | -   | 3   | 2   | -   | 3   | -   | -    | 2.80               |
| CO3     | -   | -   | 3   | -   | 3   | 2   | -   | 2   | -   | -    | 2.50               |
| CO4     | -   | -   | 2   | 3   | 3   | 2   | -   | 3   | -   | 2    | 2.50               |
| CO5     | 3   | -   | 3   | 2   | 3   | 1   | -   | 2   | 3   | 3    | 2.50               |




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**Bachelor of Interior Design**

Semester-03

**Course Title: Interior Services-I (33030303)**
**Course Outcomes (Cos)**

- CO1: Understanding the basic concepts and importance of interior service systems like HVAC, plumbing, and electrical systems in interior design.
- CO2: Analyzing the integration of service systems with the overall interior layout for optimal performance and user comfort.
- CO3: Developing detailed technical drawings to represent the service systems within an interior design project.
- CO4: Applying principles of service system design to ensure functionality, safety, and compliance with regulations.
- CO5: Evaluating the sustainability and energy efficiency of different service systems

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | -   | 2   | 3   | -   | 1   | -   | -   | 3   | -   | 1    | 2.00               |
| CO2     | -   | 3   | 2   | -   | 3   | -   | -   | 3   | 2   | -    | 2.60               |
| CO3     | -   | -   | -   | -   | 3   | -   | -   | 3   | 3   | -    | 3.00               |
| CO4     | -   | -   | 3   | -   | -   | -   | 2   | 3   | -   | -    | 2.67               |
| CO5     | -   | -   | 3   | -   | -   | -   | 3   | 2   | 3   | 2    | 2.60               |

**Bachelor of Interior Design**

Semester-03

**Course Title: Structure-I (33030304)**
**Course Outcomes (Cos)**

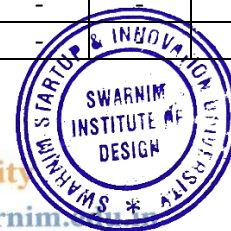
- CO1: Understanding the fundamental concepts of structural systems used in interior design.
- CO2: Analyzing the structural behavior of materials and components under different loads and conditions.
- CO3: Developing the ability to integrate structural elements with aesthetic interior solutions.
- CO4: Applying knowledge of construction techniques and materials to ensure structural stability and safety.
- CO5: Evaluating the sustainability and environmental impact of different structural solutions.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 2   | -   | 3   | -   | -   | -   | -   | 3   | -   | -    | 2.67               |
| CO2     | -   | 1   | 3   | -   | -   | -   | -   | 2   | -   | -    | 2.00               |
| CO3     | -   | 2   | 3   | -   | 1   | -   | -   | 2   | -   | -    | 2.00               |
| CO4     | -   | 1   | 3   | -   | 2   | -   | -   | 3   | -   | -    | 2.25               |
| CO5     | -   | -   | 3   | -   | -   | -   | -   | 3   | -   | -    | 3.00               |

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**Bachelor of Interior Design**

Semester-03

**Course Title: Lighting Design (33030305)**
**Course Outcomes (Cos)**

- CO1: Understanding the principles of lighting design and the types of lighting systems used in interior spaces.
- CO2: Analyzing the effects of different lighting techniques on spatial aesthetics and functionality.
- CO3: Developing lighting layouts and detailed drawings for various interior settings.
- CO4: Applying lighting techniques to enhance the ambiance and functionality of interior spaces.
- CO5: Evaluating energy-efficient lighting solutions and their environmental impact.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | -   | -   | -   | -   | -   | -   | 3   | -   | -   | -    | 3.00               |
| CO2     | 1   | -   | -   | 1   | -   | -   | 3   | -   | -   | -    | 1.67               |
| CO3     | -   | -   | -   | -   | 3   | -   | 3   | 1   | -   | -    | 2.33               |
| CO4     | -   | -   | -   | 1   | -   | -   | 3   | -   | -   | -    | 2.00               |
| CO5     | -   | -   | -   | -   | -   | -   | 3   | 2   | -   | -    | 2.50               |

**Bachelor of Interior Design**

Semester-03

**Course Title: History of Interior and furniture design-II (33030306)**
**Course Outcomes (Cos)**

- CO1: Understanding the evolution of interior design and furniture styles from the Renaissance to modern periods.
- CO2: Analyzing the cultural, social, and historical influences on interior and furniture design.
- CO3: Identifying key design characteristics from different historical periods and movements.
- CO4: Applying knowledge of historical trends to contemporary interior design projects.
- CO5: Evaluating the impact of historical furniture design on current design practices.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 1   | -   | -   | -   | -   | -   | -   | -   | -   | 3    | 2.00               |
| CO2     | 2   | -   | -   | -   | -   | -   | -   | -   | -   | 3    | 2.50               |
| CO3     | 1   | -   | -   | -   | -   | -   | -   | -   | -   | 3    | 2.00               |
| CO4     | -   | -   | -   | -   | -   | 1   | -   | -   | -   | 3    | 2.00               |
| CO5     | -   | -   | -   | -   | -   | 1   | -   | -   | -   | 3    | 2.00               |

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**Bachelor of Interior Design**

Semester-04

**Course Title: Design Studio-III (33030401)**
**Course Outcomes (Cos)**

- CO1: Understanding advanced design principles and spatial planning.
- CO2: Developing skills in detailed conceptualization and design documentation.
- CO3: Applying complex design theories to solve real-world spatial problems.
- CO4: Enhancing problem-solving abilities through innovative design processes.
- CO5: Communicating design solutions effectively through professional presentations.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | 3   | 1   | -   | -   | -   | -   | -   | -   | -    | 2.33               |
| CO2     | 1   | -   | 1   | -   | 3   | -   | -   | -   | -   | -    | 1.67               |
| CO3     | 2   | 3   | 2   | -   | 1   | -   | -   | -   | -   | -    | 2.00               |
| CO4     | 1   | 2   | -   | -   | -   | -   | -   | -   | -   | -    | 1.50               |
| CO5     | -   | -   | -   | -   | 1   | -   | -   | -   | 3   | -    | 2.00               |

**Bachelor of Interior Design**

Semester-04

**Course Title: Interior Material and Construction-IV (33030402)**
**Course Outcomes (Cos)**

- CO1: Understanding the properties and applications of advanced interior materials.
- CO2: Analyzing the structural behavior and performance of complex materials in interior design.
- CO3: Developing detailed technical drawings and specifications for materials in interior projects.
- CO4: Applying advanced construction techniques in interior projects.
- CO5: Evaluating the environmental impact and sustainability of materials used in complex interior projects.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | -   | -   | 3   | -   | 1   | -   | -   | -   | -   | -    | 2.00               |
| CO2     | -   | -   | 3   | -   | -   | -   | -   | 1   | -   | -    | 2.00               |
| CO3     | -   | -   | 2   | -   | 3   | -   | -   | -   | -   | -    | 2.50               |
| CO4     | -   | -   | 1   | -   | 1   | -   | -   | 2   | -   | -    | 1.33               |
| CO5     | -   | -   | 3   | -   | -   | -   | -   | 1   | -   | -    | 2.00               |

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**Bachelor of Interior Design**

Semester-04

**Course Title: Interior Services-II (33030403)**
**Course Outcomes (Cos)**

- CO1: Understanding the importance of advanced interior service systems like HVAC, electrical, and plumbing in complex interior design projects.
- CO2: Analyzing the integration of service systems in the overall interior layout to ensure optimal functionality and performance.
- CO3: Developing detailed technical drawings that represent the integration of service systems in interior design projects.
- CO4: Applying principles of system design to ensure compliance with safety regulations and user comfort.
- CO5: Evaluating the sustainability and energy efficiency of service systems used in interior spaces.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | -   | 1   | 2   | -   | -   | -   | 1   | 1   | -   | -    | 1.25               |
| CO2     | -   | 2   | 2   | -   | 1   | -   | 1   | 2   | -   | -    | 1.60               |
| CO3     | -   | -   | 1   | -   | 3   | -   | -   | 1   | -   | -    | 1.67               |
| CO4     | -   | -   | 1   | -   | 1   | -   | -   | 3   | -   | -    | 1.67               |
| CO5     | -   | -   | 3   | -   | -   | -   | -   | 2   | -   | -    | 2.50               |

**Bachelor of Interior Design**

Semester-04

**Course Title: Furniture Design-I (33030404)**
**Course Outcomes (Cos)**

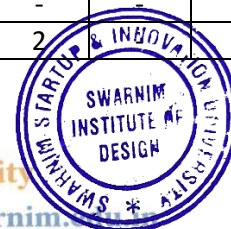
- CO1: Understanding the fundamentals of furniture design, including ergonomics and material use.
- CO2: Developing the ability to create functional and aesthetically pleasing furniture pieces.
- CO3: Applying knowledge of construction techniques and materials in furniture design.
- CO4: Exploring innovative designs while balancing functionality and sustainability.
- CO5: Communicating furniture design concepts effectively through drawings and models.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 2   | 1   | 2   | -   | -   | 3   | -   | -   | -   | -    | 2.00               |
| CO2     | 2   | 1   | 1   | -   | -   | 3   | -   | -   | -   | -    | 1.75               |
| CO3     | 1   | -   | 3   | -   | 1   | 3   | -   | 1   | -   | -    | 1.80               |
| CO4     | -   | 1   | 2   | -   | -   | 3   | -   | -   | -   | -    | 2.00               |
| CO5     | -   | -   | -   | -   | 3   | 2   | -   | -   | 2   | -    | 2.33               |

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**Bachelor of Interior Design**

Semester-04

**Course Title: History of Interior & Furniture Design - III (33030405)**
**Course Outcomes (Cos)**

- CO1: Understanding the evolution of interior and furniture design from the modern era to contemporary times.
- CO2: Analyzing the cultural, social, and technological influences on interior and furniture design in the 20th and 21st centuries.
- CO3: Identifying key characteristics and design movements in modern and contemporary interior and furniture design.
- CO4: Applying historical knowledge to the analysis and creation of modern and contemporary interior design projects.
- CO5: Evaluating the impact of historical trends on current interior and furniture design practices.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 2   | -   | -   | -   | -   | 1   | -   | -   | -   | 3    | 2.00               |
| CO2     | 1   | -   | -   | -   | -   | 1   | -   | -   | -   | 3    | 1.67               |
| CO3     | 2   | -   | -   | -   | -   | 1   | -   | -   | -   | 2    | 1.67               |
| CO4     | 1   | -   | -   | -   | -   | 1   | -   | -   | -   | 2    | 1.33               |
| CO5     | 1   | -   | -   | -   | -   | -   | -   | -   | -   | 3    | 2.00               |

**Bachelor of Interior Design**

Semester-04

**Course Title: Computer Application - I (33030406)**
**Course Outcomes (Cos)**

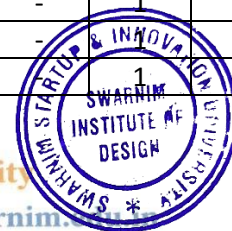
- CO1: Understanding the historical development of computer applications and their role in design practices.
- CO2: Analyzing the evolution of software tools used in interior design and architecture.
- CO3: Developing skills in using basic computer-aided design (CAD) software for interior design projects.
- CO4: Applying computer applications to enhance accuracy and efficiency in design documentation.
- CO5: Evaluating the impact of technology on modern interior design processes and practices.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 2   | -   | -   | -   | -   | 1   | -   | -   | -   | 2    | 1.67               |
| CO2     | 1   | -   | -   | -   | 1   | 1   | -   | -   | -   | 1    | 1.00               |
| CO3     | 2   | -   | -   | -   | 3   | 1   | -   | -   | -   | 1    | 1.75               |
| CO4     | 1   | -   | -   | -   | 2   | -   | -   | -   | -   | -    | 1.33               |
| CO5     | 1   | -   | -   | -   | 1   | -   | -   | -   | -   | -    | 1.00               |

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**Bachelor of Interior Design**

Semester-05

**Course Title: Design Studio-IV (33030501)**
**Course Outcomes (Cos)**

- CO1: Understanding advanced interior design concepts and their application in complex spaces.
- CO2: Developing comprehensive design solutions for diverse spatial contexts.
- CO3: Applying innovative design approaches to create functional and aesthetically rich interiors.
- CO4: Enhancing technical skills in detailing, material selection, and construction methods.
- CO5: Communicating design solutions effectively through professional presentations and documentation.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | 2   | -   | -   | 1   | -   | -   | -   | -   | -    | 2.00               |
| CO2     | 2   | 3   | 1   | -   | 1   | -   | -   | -   | -   | -    | 1.75               |
| CO3     | 3   | 2   | 1   | -   | 2   | 1   | -   | -   | -   | -    | 1.80               |
| CO4     | 1   | 1   | 3   | -   | 2   | 1   | -   | -   | -   | -    | 1.60               |
| CO5     | -   | -   | -   | -   | 1   | -   | -   | -   | 3   | -    | 2.00               |

**Bachelor of Interior Design**

Semester-05

**Course Title: Interior Material and Construction-V (33030502)**
**Course Outcomes (Cos)**

- CO1: Understanding the properties and applications of advanced construction materials in interior design.
- CO2: Analyzing the structural behavior and performance of complex materials in interior projects.
- CO3: Developing detailed technical drawings and specifications for advanced construction materials.
- CO4: Applying innovative construction techniques to interior design projects.
- CO5: Evaluating the sustainability and environmental impact of materials used in modern interior construction.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 1   | -   | 3   | -   | -   | -   | -   | -   | -   | -    | 2.00               |
| CO2     | -   | 1   | 3   | -   | -   | -   | -   | -   | -   | -    | 2.00               |
| CO3     | -   | -   | 2   | -   | 3   | -   | -   | -   | -   | -    | 2.50               |
| CO4     | 1   | -   | 2   | -   | 2   | -   | -   | 1   | -   | -    | 1.50               |
| CO5     | -   | -   | 3   | -   | -   | -   | -   | 2   | -   | -    | 2.50               |

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**Bachelor of Interior Design**

Semester-05

**Course Title: Interior Services-III (33030503)**
**Course Outcomes (Cos)**

- CO1: Understanding the advanced concepts of interior services such as HVAC, electrical, plumbing, and fire safety systems.
- CO2: Analyzing the integration of complex service systems with interior spaces for optimized performance.
- CO3: Developing technical drawings and specifications for advanced service systems in interior design.
- CO4: Applying service design principles to ensure functionality, safety, and regulatory compliance in interior spaces.
- CO5: Evaluating the sustainability and energy efficiency of service systems in modern interior projects.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | -   | 1   | 2   | -   | 1   | -   | 1   | 3   | -   | -    | 1.60               |
| CO2     | -   | 2   | 2   | -   | 1   | -   | -   | 3   | -   | -    | 2.00               |
| CO3     | -   | -   | 2   | -   | 3   | -   | -   | 2   | -   | -    | 2.33               |
| CO4     | -   | 1   | 1   | -   | 1   | -   | -   | 3   | -   | -    | 1.50               |
| CO5     | -   | -   | 3   | -   | -   | -   | -   | 2   | -   | -    | 2.50               |

**Bachelor of Interior Design**

Semester-05

**Course Title: Furniture Design-II (33030504)**
**Course Outcomes (Cos)**

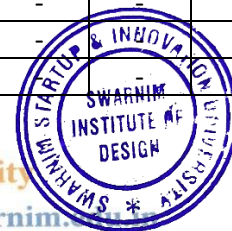
- CO1: Understanding advanced principles of furniture design and ergonomics.
- CO2: Analyzing the relationship between furniture, space, and human interaction.
- CO3: Developing detailed furniture design solutions considering functionality, aesthetics, and sustainability.
- CO4: Applying innovative materials and construction techniques in furniture design.
- CO5: Communicating furniture design concepts effectively through technical drawings and 3D models.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | 2   | 1   | -   | -   | 3   | -   | -   | -   | -    | 2.25               |
| CO2     | 2   | 3   | 1   | -   | -   | 2   | -   | -   | -   | -    | 2.00               |
| CO3     | 1   | 2   | 3   | -   | -   | 3   | -   | -   | -   | -    | 2.25               |
| CO4     | 1   | 1   | 2   | -   | -   | 3   | -   | -   | -   | -    | 1.75               |
| CO5     | -   | -   | 1   | -   | 3   | 2   | -   | -   | -   | -    | 2.00               |

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**Bachelor of Interior Design**

Semester-05

**Course Title: Landscape in Interior Design (33030505)**
**Course Outcomes (Cos)**

- CO1: Understanding the principles of landscape design and their application in interior spaces.
- CO2: Analyzing the relationship between indoor and outdoor spaces in design projects.
- CO3: Developing skills in integrating natural elements like plants, water, and lighting into interior environments.
- CO4: Applying sustainable landscape solutions to enhance the functionality and aesthetics of interior spaces.
- CO5: Communicating landscape design concepts effectively through detailed drawings and presentations.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 2   | 1   | 1   | -   | -   | -   | 1   | -   | -   | -    | 1.25               |
| CO2     | -   | 3   | 1   | -   | -   | -   | 1   | -   | -   | -    | 1.67               |
| CO3     | -   | 2   | 2   | -   | -   | 1   | 2   | -   | -   | -    | 1.75               |
| CO4     | -   | 2   | 3   | -   | -   | -   | 1   | -   | -   | -    | 2.00               |
| CO5     | -   | 1   | -   | -   | 3   | -   | -   | -   | -   | -    | 2.00               |

**Bachelor of Interior Design**

Semester-05

**Course Title: Computer Application -II (33030506)**
**Course Outcomes (Cos)**

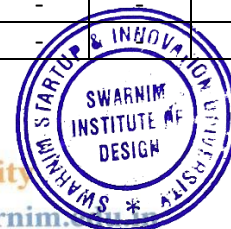
- CO1: Understanding the historical development of computer applications and their role in design practices.
- CO2: Analyzing the evolution of software tools used in interior design and architecture.
- CO3: Developing skills in using basic computer-aided design (CAD) software for interior design projects.
- CO4: Applying computer applications to enhance accuracy and efficiency in design documentation.
- CO5: Evaluating the impact of technology on modern interior design processes and practices.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | -   | -   | -   | -   | 1   | -   | -   | -   | -   | 1    | 1.00               |
| CO2     | -   | -   | -   | -   | 2   | -   | -   | -   | -   | -    | 2.00               |
| CO3     | -   | -   | -   | -   | 3   | -   | -   | -   | -   | -    | 3.00               |
| CO4     | -   | -   | -   | -   | 3   | -   | -   | -   | -   | -    | 3.00               |
| CO5     | -   | -   | -   | -   | 1   | -   | -   | -   | -   | -    | 1.00               |

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**Bachelor of Interior Design**

Semester-06

**Course Title: Design studio – V (Working Drawing) (33030601)**
**Course Outcomes (Cos)**

- CO1: Understanding the principles of working drawings and their significance in interior design projects.
- CO2: Developing skills in creating detailed and accurate working drawings for execution.
- CO3: Applying technical drawing techniques to represent construction details and material specifications.
- CO4: Enhancing problem-solving abilities through the interpretation of design concepts into working drawings.
- CO5: Communicating design ideas effectively through comprehensive working

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | -   | -   | -   | -   | 2   | -   | -   | -   | -   | -    | 2.00               |
| CO2     | -   | -   | -   | -   | 3   | -   | -   | -   | -   | -    | 3.00               |
| CO3     | -   | -   | 1   | -   | 3   | -   | -   | 1   | -   | -    | 1.67               |
| CO4     | -   | -   | -   | -   | 2   | -   | -   | -   | -   | -    | 2.00               |
| CO5     | -   | -   | -   | -   | 2   | -   | -   | -   | 1   | -    | 1.50               |

**Bachelor of Interior Design**

Semester-06

**Course Title: Interior material and construction – VI (33030602)**
**Course Outcomes (Cos)**

- CO1: Understanding advanced materials and construction techniques used in interior design.
- CO2: Analysing the structural behaviour and performance of materials in complex interior projects.
- CO3: Developing detailed technical drawings and specifications for advanced interior materials and systems.
- CO4: Applying innovative and sustainable construction techniques in modern interior design.
- CO5: Evaluating the environmental impact and sustainability of materials used in interior construction.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | -   | -   | 3   | -   | 1   | -   | -   | -   | -   | -    | 2.00               |
| CO2     | -   | -   | 2   | -   | 1   | -   | -   | -   | -   | -    | 1.50               |
| CO3     | -   | -   | 3   | -   | 3   | -   | -   | 1   | -   | -    | 2.33               |
| CO4     | -   | -   | 2   | -   | 1   | -   | -   | 1   | -   | -    | 1.33               |
| CO5     | -   | -   | 3   | -   | -   | -   | -   | 1   | -   | -    | 2.00               |

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**Bachelor of Interior Design**

Semester-06

**Course Title: Interior Services - IV (33030603)**
**Course Outcomes (Cos)**

- CO1: Understanding advanced concepts of interior services such as HVAC, electrical, plumbing, and fire safety systems.
- CO2: Analyzing the integration of advanced service systems in interior spaces for optimized performance.
- CO3: Developing detailed technical drawings and specifications for advanced service systems.
- CO4: Applying service design principles to ensure functionality, safety, and compliance with regulations.
- CO5: Evaluating the sustainability and energy efficiency of service systems in modern interior design projects.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | -   | -   | 2   | -   | -   | -   | -   | 1   | -   | -    | 1.50               |
| CO2     | -   | 1   | 2   | -   | -   | -   | -   | 1   | -   | -    | 1.33               |
| CO3     | -   | -   | 2   | -   | 3   | -   | -   | 2   | -   | -    | 2.33               |
| CO4     | -   | -   | 1   | -   | 1   | -   | -   | 3   | -   | -    | 1.67               |
| CO5     | -   | -   | 3   | -   | -   | -   | -   | 1   | -   | -    | 2.00               |

**Bachelor of Interior Design**

Semester-06

**Course Title: Estimation and Costing (33030604)**
**Course Outcomes (Cos)**

- CO1: Understanding the principles of cost estimation in interior design projects.
- CO2: Analysing material costs and labour costs for efficient budgeting in interior design.
- CO3: Developing skills in preparing detailed project cost estimates and tenders.
- CO4: Applying knowledge of cost management in design to optimize resources.
- CO5: Evaluating different project proposals and their financial feasibility.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | -   | -   | 1   | -   | -   | -   | -   | 1   | -   | -    | 1.00               |
| CO2     | -   | -   | 2   | -   | -   | -   | -   | 1   | -   | -    | 1.50               |
| CO3     | -   | -   | 1   | -   | 2   | -   | -   | 1   | -   | -    | 1.33               |
| CO4     | -   | -   | 2   | -   | 1   | -   | -   | 2   | -   | -    | 1.67               |
| CO5     | -   | -   | 1   | -   | -   | -   | -   | 1   | -   | -    | 1.00               |

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**Bachelor of Interior Design**

Semester-06

**Course Title: Computer Application -III (33030605)**
**Course Outcomes (Cos)**

- CO1: Understanding the advanced tools and techniques used in computer applications for interior design.
- CO2: Developing skills in using specialized software for 3D modeling and rendering.
- CO3: Creating detailed technical drawings and presentations using digital tools.
- CO4: Applying computer applications to enhance accuracy, efficiency, and creativity in interior design projects.
- CO5: Integrating digital technologies to communicate complex design concepts effectively.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | -   | -   | -   | -   | 1   | -   | -   | -   | -   | -    | 1.00               |
| CO2     | -   | -   | -   | -   | 2   | -   | -   | -   | -   | -    | 2.00               |
| CO3     | -   | -   | -   | -   | 3   | -   | -   | 1   | -   | -    | 2.00               |
| CO4     | -   | -   | -   | -   | 3   | -   | -   | 1   | -   | -    | 2.00               |
| CO5     | -   | -   | -   | -   | 2   | -   | -   | -   | 1   | -    | 1.50               |

**Bachelor of Interior Design**

Semester-06

**Course Title: Estimation and Costing (33030606)**
**Course Outcomes (Cos)**

- CO1: Understanding the principles of cost estimation in interior design projects.
- CO2: Analysing material costs and labour costs for efficient budgeting in interior design.
- CO3: Developing skills in preparing detailed project cost estimates and tenders.
- CO4: Applying knowledge of cost management in design to optimize resources.
- CO5: Evaluating different project proposals and their financial feasibility.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | -   | -   | 1   | -   | -   | -   | -   | 1   | -   | -    | 1.00               |
| CO2     | -   | -   | 2   | -   | -   | -   | -   | 1   | -   | -    | 1.50               |
| CO3     | -   | -   | 1   | -   | 2   | -   | -   | 1   | -   | -    | 1.33               |
| CO4     | -   | -   | 2   | -   | 1   | -   | -   | 2   | -   | -    | 1.67               |
| CO5     | -   | -   | 1   | -   | -   | -   | -   | 1   | -   | -    | 1.00               |



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**Bachelor of Interior Design**

Semester-07

**Course Title: Final Project (33030701)**
**Course Outcomes (Cos)**

- CO1: Understanding and applying comprehensive design theories in real-world projects.
- CO2: Developing complex interior design solutions, considering both functionality and aesthetics.
- CO3: Critically evaluating design projects using research-based methodologies.
- CO4: Integrating sustainable and innovative approaches into large-scale interior design projects.
- CO5: Presenting and communicating design concepts effectively in a professional context.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | 2   | 2   | -   | 1   | -   | -   | -   | 1   | 2    | 1.83               |
| CO2     | 2   | 3   | 2   | -   | 1   | 2   | -   | -   | 1   | -    | 1.83               |
| CO3     | 2   | 1   | 1   | -   | -   | -   | -   | -   | 1   | 1    | 1.20               |
| CO4     | 2   | 2   | 3   | -   | -   | 1   | -   | -   | -   | 1    | 1.80               |
| CO5     | 1   | -   | -   | -   | 2   | -   | -   | -   | 3   | -    | 2.00               |

**Bachelor of Interior Design**

Semester-07

**Course Title: Research Methodology (33030702)**
**Course Outcomes (Cos)**

- CO1: Understand the significance of research in the context of interior design.
- CO2: Develop the ability to formulate research questions relevant to interior design.
- CO3: Apply various research methodologies to collect and analyse data for design projects.
- CO4: Critically evaluate design trends and evidence-based practices.
- CO5: Present research findings effectively through written reports and visual presentations.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 2   | -   | 1   | -   | 1   | -   | -   | -   | -   | 2    | 1.50               |
| CO2     | 1   | -   | -   | -   | 1   | 2   | -   | -   | -   | 1    | 1.25               |
| CO3     | 2   | -   | 1   | -   | 1   | -   | -   | -   | -   | 1    | 1.25               |
| CO4     | 2   | -   | 2   | -   | 1   | 1   | -   | -   | 1   | 2    | 1.50               |
| CO5     | 2   | -   | -   | -   | 2   | -   | -   | -   | 2   | 1    | 1.75               |

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**Bachelor of Interior Design**

Semester-07

**Course Title: Interior contemporary practices (33030703)**
**Course Outcomes (Cos)**

- CO1: Understanding the evolution of contemporary interior design styles and practices.
- CO2: Analysing the influence of global trends on modern interior design.
- CO3: Applying contemporary design techniques to create innovative interior spaces.
- CO4: Integrating sustainable practices into contemporary interior design solutions.
- CO5: Critically evaluating contemporary design through case studies and research.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | -   | -   | -   | -   | -   | -   | -   | -   | 3    | 3.00               |
| CO2     | 1   | -   | -   | -   | -   | -   | -   | -   | -   | 3    | 2.00               |
| CO3     | 2   | 1   | 2   | -   | -   | -   | -   | -   | -   | 2    | 1.75               |
| CO4     | 1   | -   | 3   | -   | -   | -   | -   | -   | -   | 2    | 2.00               |
| CO5     | 3   | -   | -   | -   | -   | -   | -   | -   | -   | 3    | 3.00               |


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**Bachelor of Interior Design**

Semester-08

**Course Title: Internship/Office Training (33030801)**
**Course Outcomes (Cos)**

- CO1: Apply academic knowledge to real-world professional practices in the field of interior design.
- CO1: Develop Professional Skills through hands-on experience in interior projects.
- CO3: Understand the workflow and project management strategies in a design firm or office.
- CO4: Demonstrate the ability to collaborate in multidisciplinary teams effectively.
- CO5: Exhibit ethical and professional behaviours in an office environment.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | 3   | 2   | -   | 1   | 2   | -   | 1   | 3   | 1    | 2.00               |
| CO2     | 2   | 2   | 1   | -   | 1   | 2   | -   | -   | 1   | 1    | 1.43               |
| CO3     | 1   | 2   | 1   | -   | 1   | -   | -   | 1   | 1   | -    | 1.17               |
| CO4     | 1   | 1   | -   | -   | -   | 1   | -   | -   | 3   | -    | 1.50               |
| CO5     | -   | -   | -   | -   | -   | -   | -   | 2   | 3   | -    | 2.50               |

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# SWARNIM INSTITUTE OF DESIGN

## Bachelors of Interior Design

### Program Outcome - Course Outcome Matrix

Bachelor of Interior Design

Semester-01

Course Title: Foundation Studio-I (33000001)

| CO / PO | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7  | PO8 | PO9 | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|------|-----|-----|------|--------------------|
| CO1     | 3    | -    | -    | 1    | -    | -    | -    | -   | -   | -    | 2.00               |
| CO2     | 2    | 3    | -    | -    | 2    | 1    | -    | -   | -   | -    | 2.00               |
| CO3     | 3    | 2    | 2    | -    | 1    | 2    | 1    | -   | -   | -    | 1.83               |
| CO4     | -    | 3    | 1    | -    | -    | -    | -    | -   | -   | -    | 2.00               |
| CO5     | 1    | 2    | 3    | 1    | 2    | 3    | 1    | -   | -   | -    | 1.86               |
| Average | 2.25 | 2.50 | 2.00 | 1.00 | 1.67 | 2.00 | 1.00 | -   | -   | -    | 1.94               |

Bachelor of Interior Design

Semester-01

Course Title: Interior Material and Construction – I (33030101)

| CO / PO | PO1  | PO2 | PO3  | PO4 | PO5  | PO6 | PO7 | PO8  | PO9 | PO10 | Overall CO Average |
|---------|------|-----|------|-----|------|-----|-----|------|-----|------|--------------------|
| CO1     | -    | -   | 3    | -   | -    | -   | -   | -    | -   | -    | 3.00               |
| CO2     | -    | -   | 3    | -   | -    | -   | -   | -    | -   | -    | 3.00               |
| CO3     | -    | -   | -    | -   | 3    | -   | -   | 1    | -   | -    | 2.00               |
| CO4     | -    | -   | 1    | -   | 1    | -   | -   | 1    | -   | -    | 1.00               |
| CO5     | 1    | -   | 3    | -   | 1    | -   | -   | -    | -   | -    | 1.67               |
| Average | 1.00 | -   | 2.50 | -   | 1.67 | -   | -   | 1.00 | -   | -    | 2.13               |

Bachelor of Interior Design

Semester-01

Course Title: Technical Representation of Drawings - I (33030102)

| CO / PO | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|-----|-----|-----|------|--------------------|
| CO1     | 3    | -    | -    | -    | -    | -    | -   | -   | -   | -    | 3.00               |
| CO2     | 3    | 3    | -    | -    | 1    | -    | -   | -   | -   | -    | 2.33               |
| CO3     | 3    | 3    | 2    | -    | 1    | 2    | -   | -   | -   | -    | 2.20               |
| CO4     | 3    | 3    | 1    | -    | -    | -    | -   | -   | -   | -    | 2.33               |
| CO5     | 2    | 3    | 3    | 1    | 1    | 1    | -   | -   | -   | 1    | 1.71               |
| Average | 2.80 | 3.00 | 2.00 | 1.00 | 1.00 | 1.50 | -   | -   | -   | 1.00 | 2.31               |

Bachelor of Interior Design

Semester-01

Course Title: Humanities (33030103)

| CO / PO | PO1  | PO2 | PO3 | PO4 | PO5 | PO6  | PO7 | PO8 | PO9  | PO10 | Overall CO Average |
|---------|------|-----|-----|-----|-----|------|-----|-----|------|------|--------------------|
| CO1     | -    | -   | -   | -   | -   | -    | -   | -   | -    | 2    | 2.00               |
| CO2     | 1    | -   | -   | -   | -   | 2    | -   | -   | -    | 3    | 2.00               |
| CO3     | 2    | -   | -   | -   | -   | 1    | -   | -   | -    | 1    | 1.33               |
| CO4     | -    | -   | -   | -   | -   | 2    | -   | -   | 3    | 2    | 2.33               |
| CO5     | -    | -   | -   | -   | -   | -    | -   | -   | -    | 3    | 3.00               |
| Average | 1.50 | -   | -   | -   | -   | 1.67 | -   | -   | 3.00 | 2.20 | 2.13               |



# SWARNIM INSTITUTE OF DESIGN

## Bachelors of Interior Design

### Program Outcome - Course Outcome Matrix

Bachelor of Interior Design

Semester-01

Course Title: Design Communication (33030103)

| CO / PO | PO1  | PO2 | PO3 | PO4 | PO5  | PO6 | PO7 | PO8 | PO9  | PO10 | Overall CO Average |
|---------|------|-----|-----|-----|------|-----|-----|-----|------|------|--------------------|
| CO1     | 3    | -   | -   | -   | -    | -   | -   | -   | -    | -    | 3.00               |
| CO2     | 1    | -   | -   | -   | 2    | -   | -   | -   | -    | -    | 1.50               |
| CO3     | 2    | -   | -   | -   | 3    | -   | -   | -   | 1    | -    | 2.00               |
| CO4     | 1    | -   | -   | -   | 1    | -   | -   | -   | 3    | -    | 1.67               |
| CO5     | 2    | -   | -   | -   | 1    | -   | -   | -   | 2    | -    | 1.67               |
| Average | 1.80 | -   | -   | -   | 1.75 | -   | -   | -   | 2.00 | -    | 1.97               |

Bachelor of Interior Design

Semester-02

Course Title: Design Communication-I (33030201)

| CO / PO | PO1  | PO2  | PO3  | PO4 | PO5  | PO6 | PO7 | PO8 | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|-----|------|-----|-----|-----|------|------|--------------------|
| CO1     | 3    | 2    | -    | -   | -    | -   | -   | -   | -    | -    | 2.50               |
| CO2     | 2    | 3    | -    | -   | -    | -   | -   | -   | -    | -    | 2.50               |
| CO3     | 3    | 2    | 1    | -   | 1    | -   | -   | -   | 1    | -    | 1.60               |
| CO4     | 1    | -    | -    | -   | -    | -   | -   | -   | 1    | -    | 1.00               |
| CO5     | -    | -    | -    | -   | 2    | -   | -   | -   | 3    | -    | 2.50               |
| Average | 2.25 | 2.33 | 1.00 | -   | 1.50 | -   | -   | -   | 1.67 | -    | 2.02               |

Bachelor of Interior Design

Semester-02

Course Title: Interior Material and Constructions-II (33030202)

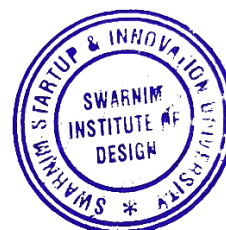
| CO / PO | PO1  | PO2  | PO3  | PO4 | PO5  | PO6  | PO7 | PO8  | PO9 | PO10 | Overall CO Average |
|---------|------|------|------|-----|------|------|-----|------|-----|------|--------------------|
| CO1     | 1    | -    | 3    | -   | -    | -    | -   | -    | -   | -    | 2.00               |
| CO2     | -    | -    | 3    | -   | -    | -    | -   | 1    | -   | -    | 2.00               |
| CO3     | -    | -    | 2    | -   | 3    | -    | -   | 2    | -   | -    | 2.33               |
| CO4     | 1    | 2    | 2    | -   | 1    | 2    | -   | 1    | -   | -    | 1.50               |
| CO5     | -    | -    | 3    | -   | -    | -    | -   | -    | -   | -    | 3.00               |
| Average | 1.00 | 2.00 | 2.60 | -   | 2.00 | 2.00 | -   | 1.33 | -   | -    | 2.17               |

Bachelor of Interior Design

Semester-02

Course Title: Technical Representation of Drawings-II (33030203)

| CO / PO | PO1  | PO2  | PO3  | PO4 | PO5  | PO6 | PO7 | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|-----|------|-----|-----|------|------|------|--------------------|
| CO1     | 2    | 1    | -    | -   | 3    | -   | -   | -    | -    | -    | 2.00               |
| CO2     | 1    | 1    | -    | -   | 3    | -   | -   | -    | 1    | -    | 1.50               |
| CO3     | -    | -    | 1    | -   | 3    | -   | -   | 1    | -    | -    | 1.67               |
| CO4     | 1    | 2    | -    | -   | 2    | -   | -   | 1    | -    | -    | 1.50               |
| CO5     | -    | -    | -    | -   | 2    | -   | -   | -    | 2    | -    | 2.00               |
| Average | 1.33 | 1.33 | 1.00 | -   | 2.60 | -   | -   | 1.00 | 1.50 | -    | 1.73               |



# SWARNIM INSTITUTE OF DESIGN

## Bachelors of Interior Design

### Program Outcome - Course Outcome Matrix

Bachelor of Interior Design

Semester-02

Course Title: Basics of Design (33030204)

| CO / PO | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7 | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|-----|------|------|------|--------------------|
| CO1     | 3    | -    | -    | -    | 2    | -    | -   | -    | 1    | -    | 2.00               |
| CO2     | 2    | 3    | -    | -    | 1    | -    | -   | -    | -    | -    | 2.00               |
| CO3     | 2    | 1    | -    | 1    | 3    | -    | -   | -    | 1    | -    | 1.60               |
| CO4     | 3    | 1    | -    | 2    | 3    | -    | -   | -    | -    | -    | 2.25               |
| CO5     | 1    | 2    | 1    | -    | 3    | 1    | -   | 1    | 2    | -    | 1.57               |
| Average | 2.20 | 1.75 | 1.00 | 1.50 | 2.40 | 1.00 | -   | 1.00 | 1.33 | -    | 1.88               |

Bachelor of Interior Design

Semester-02

Course Title: History of interior and furniture design-1 (33030205)

| CO / PO | PO1  | PO2  | PO3 | PO4  | PO5  | PO6  | PO7 | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|-----|------|------|------|-----|------|------|------|--------------------|
| CO1     | 2    | -    | -   | -    | 1    | -    | -   | -    | -    | 3    | 2.00               |
| CO2     | 1    | -    | -   | 1    | -    | -    | -   | -    | 1    | 2    | 1.25               |
| CO3     | 2    | 1    | -   | 1    | 2    | -    | -   | -    | 1    | 3    | 1.67               |
| CO4     | 3    | -    | -   | 2    | 3    | 1    | -   | -    | -    | 2    | 2.20               |
| CO5     | 2    | 1    | -   | -    | 2    | -    | -   | 1    | -    | 3    | 1.80               |
| Average | 2.00 | 1.00 | -   | 1.33 | 2.00 | 1.00 | -   | 1.00 | 1.00 | 2.60 | 1.78               |

Bachelor of Interior Design

Semester-03

Course Title: Design studio-II (33030301)

| CO / PO | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7  | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|------|------|------|------|--------------------|
| CO1     | 3    | 2    | -    | -    | 2    | -    | -    | -    | 2    | 3    | 2.40               |
| CO2     | 2    | 3    | -    | -    | 2    | -    | -    | -    | 2    | 3    | 2.40               |
| CO3     | 3    | 2    | 1    | -    | 3    | -    | -    | 2    | 2    | 3    | 2.29               |
| CO4     | 3    | 3    | -    | 3    | 3    | 2    | 2    | 3    | 3    | 3    | 2.78               |
| CO5     | 3    | 3    | -    | 2    | 3    | 2    | 2    | 3    | 3    | 3    | 2.67               |
| Average | 2.80 | 2.60 | 1.00 | 2.50 | 2.60 | 2.00 | 2.00 | 2.67 | 2.40 | 3.00 | 2.51               |

Bachelor of Interior Design

Semester-03

Course Title: Interior Material and Construction-III (33030202)

| CO / PO | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7 | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|-----|------|------|------|--------------------|
| CO1     | -    | -    | 3    | -    | 2    | -    | -   | 1    | -    | -    | 2.00               |
| CO2     | -    | 3    | 3    | -    | 3    | 2    | -   | 3    | -    | -    | 2.80               |
| CO3     | -    | -    | 3    | -    | 3    | 2    | -   | 2    | -    | -    | 2.50               |
| CO4     | -    | -    | 2    | 3    | 3    | 2    | -   | 3    | -    | 2    | 2.50               |
| CO5     | 3    | -    | 3    | 2    | 3    | 1    | -   | 2    | 3    | 3    | 2.50               |
| Average | 3.00 | 3.00 | 2.80 | 2.50 | 2.80 | 1.75 | -   | 2.20 | 3.00 | 2.50 | 2.46               |



# SWARNIM INSTITUTE OF DESIGN

## Bachelors of Interior Design

### Program Outcome - Course Outcome Matrix

Bachelor of Interior Design

Semester-03

Course Title: Design studio-II (33030301)

| CO / PO | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7  | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|------|------|------|------|--------------------|
| CO1     | 3    | 2    | -    | -    | 2    | -    | -    | -    | 2    | 3    | 2.40               |
| CO2     | 2    | 3    | -    | -    | 2    | -    | -    | -    | 2    | 3    | 2.40               |
| CO3     | 3    | 2    | 1    | -    | 3    | -    | -    | 2    | 2    | 3    | 2.29               |
| CO4     | 3    | 3    | -    | 3    | 3    | 2    | 2    | 3    | 3    | 3    | 2.78               |
| CO5     | 3    | 3    | -    | 2    | 3    | 2    | 2    | 3    | 3    | 3    | 2.67               |
| Average | 2.80 | 2.60 | 1.00 | 2.50 | 2.60 | 2.00 | 2.00 | 2.67 | 2.40 | 3.00 | 2.51               |

Bachelor of Interior Design

Semester-03

Course Title: Interior Material and Construction-III (33030302)

| CO / PO | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7 | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|-----|------|------|------|--------------------|
| CO1     | -    | -    | 3    | -    | 2    | -    | -   | 1    | -    | -    | 2.00               |
| CO2     | -    | 3    | 3    | -    | 3    | 2    | -   | 3    | -    | -    | 2.80               |
| CO3     | -    | -    | 3    | -    | 3    | 2    | -   | 2    | -    | -    | 2.50               |
| CO4     | -    | -    | 2    | 3    | 3    | 2    | -   | 3    | -    | 2    | 2.50               |
| CO5     | 3    | -    | 3    | 2    | 3    | 1    | -   | 2    | 3    | 3    | 2.50               |
| Average | 3.00 | 3.00 | 2.80 | 2.50 | 2.80 | 1.75 | -   | 2.20 | 3.00 | 2.50 | 2.46               |

Bachelor of Interior Design

Semester-03

Course Title: Interior Services-I (33030303)

| CO / PO | PO1 | PO2  | PO3  | PO4 | PO5  | PO6 | PO7  | PO8  | PO9  | PO10 | Overall CO Average |
|---------|-----|------|------|-----|------|-----|------|------|------|------|--------------------|
| CO1     | -   | 2    | 3    | -   | 1    | -   | -    | 3    | -    | 1    | 2.00               |
| CO2     | -   | 3    | 2    | -   | 3    | -   | -    | 3    | 2    | -    | 2.60               |
| CO3     | -   | -    | -    | -   | 3    | -   | -    | 3    | 3    | -    | 3.00               |
| CO4     | -   | -    | 3    | -   | -    | -   | 2    | 3    | -    | -    | 2.67               |
| CO5     | -   | -    | 3    | -   | -    | -   | 3    | 2    | 3    | 2    | 2.60               |
| Average | -   | 2.50 | 2.75 | -   | 2.33 | -   | 2.50 | 2.80 | 2.67 | 1.50 | 2.57               |

Bachelor of Interior Design

Semester-03

Course Title: Structure-I (33030304)

| CO / PO | PO1  | PO2  | PO3  | PO4 | PO5  | PO6 | PO7 | PO8  | PO9 | PO10 | Overall CO Average |
|---------|------|------|------|-----|------|-----|-----|------|-----|------|--------------------|
| CO1     | 2    | -    | 3    | -   | -    | -   | -   | 3    | -   | -    | 2.67               |
| CO2     | -    | 1    | 3    | -   | -    | -   | -   | 2    | -   | -    | 2.00               |
| CO3     | -    | 2    | 3    | -   | 1    | -   | -   | 2    | -   | -    | 2.00               |
| CO4     | -    | 1    | 3    | -   | 2    | -   | -   | 3    | -   | -    | 2.25               |
| CO5     | -    | -    | 3    | -   | -    | -   | -   | 3    | -   | -    | 3.00               |
| Average | 2.00 | 1.33 | 3.00 | -   | 1.50 | -   | -   | 2.60 | -   | -    | 2.38               |



# SWARNIM INSTITUTE OF DESIGN

## Bachelors of Interior Design

### Program Outcome - Course Outcome Matrix

Bachelor of Interior Design

Semester-03

Course Title: Lighting Design (33030305)

| CO / PO | PO1  | PO2 | PO3 | PO4  | PO5  | PO6 | PO7  | PO8  | PO9 | PO10 | Overall CO Average |
|---------|------|-----|-----|------|------|-----|------|------|-----|------|--------------------|
| CO1     | -    | -   | -   | -    | -    | -   | 3    | -    | -   | -    | 3.00               |
| CO2     | 1    | -   | -   | 1    | -    | -   | 3    | -    | -   | -    | 1.67               |
| CO3     | -    | -   | -   | -    | 3    | -   | 3    | 1    | -   | -    | 2.33               |
| CO4     | -    | -   | -   | 1    | -    | -   | 3    | -    | -   | -    | 2.00               |
| CO5     | -    | -   | -   | -    | -    | -   | 3    | 2    | -   | -    | 2.50               |
| Average | 1.00 | -   | -   | 1.00 | 3.00 | -   | 3.00 | 1.50 | -   | -    | 2.30               |

Bachelor of Interior Design

Semester-03

Course Title: History of Interior and furniture design-II (33030306)

| CO / PO | PO1  | PO2 | PO3 | PO4 | PO5 | PO6  | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|------|-----|-----|-----|-----|------|-----|-----|-----|------|--------------------|
| CO1     | 1    | -   | -   | -   | -   | -    | -   | -   | -   | 3    | 2.00               |
| CO2     | 2    | -   | -   | -   | -   | -    | -   | -   | -   | 3    | 2.50               |
| CO3     | 1    | -   | -   | -   | -   | -    | -   | -   | -   | 3    | 2.00               |
| CO4     | -    | -   | -   | -   | -   | 1    | -   | -   | -   | 3    | 2.00               |
| CO5     | -    | -   | -   | -   | -   | 1    | -   | -   | -   | 3    | 2.00               |
| Average | 1.33 | -   | -   | -   | -   | 1.00 | -   | -   | -   | 3.00 | 2.10               |

Bachelor of Interior Design

Semester-04

Course Title: Design Studio-III (33030401)

| CO / PO | PO1  | PO2  | PO3  | PO4 | PO5  | PO6 | PO7 | PO8 | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|-----|------|-----|-----|-----|------|------|--------------------|
| CO1     | 3    | 3    | 1    | -   | -    | -   | -   | -   | -    | -    | 2.33               |
| CO2     | 1    | -    | 1    | -   | 3    | -   | -   | -   | -    | -    | 1.67               |
| CO3     | 2    | 3    | 2    | -   | 1    | -   | -   | -   | -    | -    | 2.00               |
| CO4     | 1    | 2    | -    | -   | -    | -   | -   | -   | -    | -    | 1.50               |
| CO5     | -    | -    | -    | -   | 1    | -   | -   | -   | 3    | -    | 2.00               |
| Average | 1.75 | 2.67 | 1.33 | -   | 1.67 | -   | -   | -   | 3.00 | -    | 1.90               |

Bachelor of Interior Design

Semester-04

Course Title: Interior Material and Construction-IV (33030402)

| CO / PO | PO1 | PO2 | PO3  | PO4 | PO5  | PO6 | PO7 | PO8  | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|------|-----|------|-----|-----|------|-----|------|--------------------|
| CO1     | -   | -   | 3    | -   | 1    | -   | -   | -    | -   | -    | 2.00               |
| CO2     | -   | -   | 3    | -   | -    | -   | -   | 1    | -   | -    | 2.00               |
| CO3     | -   | -   | 2    | -   | 3    | -   | -   | -    | -   | -    | 2.50               |
| CO4     | -   | -   | 1    | -   | 1    | -   | -   | 2    | -   | -    | 1.33               |
| CO5     | -   | -   | 3    | -   | -    | -   | -   | 1    | -   | -    | 2.00               |
| Average | -   | -   | 2.40 | -   | 1.67 | -   | -   | 1.33 | -   | -    | 1.97               |



# SWARNIM INSTITUTE OF DESIGN

## Bachelors of Interior Design

### Program Outcome - Course Outcome Matrix

Bachelor of Interior Design

Semester-04

Course Title: Interior Services-II (33030403)

| CO / PO | PO1 | PO2  | PO3  | PO4 | PO5  | PO6 | PO7  | PO8  | PO9 | PO10 | Overall CO Average |
|---------|-----|------|------|-----|------|-----|------|------|-----|------|--------------------|
| CO1     | -   | 1    | 2    | -   | -    | -   | 1    | 1    | -   | -    | 1.25               |
| CO2     | -   | 2    | 2    | -   | 1    | -   | 1    | 2    | -   | -    | 1.60               |
| CO3     | -   | -    | 1    | -   | 3    | -   | -    | 1    | -   | -    | 1.67               |
| CO4     | -   | -    | 1    | -   | 1    | -   | -    | 3    | -   | -    | 1.67               |
| CO5     | -   | -    | 3    | -   | -    | -   | -    | 2    | -   | -    | 2.50               |
| Average | -   | 1.50 | 1.80 | -   | 1.67 | -   | 1.00 | 1.80 | -   | -    | 1.74               |

Bachelor of Interior Design

Semester-04

Course Title: Furniture Design-I (33030404)

| CO / PO | PO1  | PO2  | PO3  | PO4 | PO5  | PO6  | PO7 | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|-----|------|------|-----|------|------|------|--------------------|
| CO1     | 2    | 1    | 2    | -   | -    | 3    | -   | -    | -    | -    | 2.00               |
| CO2     | 2    | 1    | 1    | -   | -    | 3    | -   | -    | -    | -    | 1.75               |
| CO3     | 1    | -    | 3    | -   | 1    | 3    | -   | 1    | -    | -    | 1.80               |
| CO4     | -    | 1    | 2    | -   | -    | 3    | -   | -    | -    | -    | 2.00               |
| CO5     | -    | -    | -    | -   | 3    | 2    | -   | -    | 2    | -    | 2.33               |
| Average | 1.67 | 1.00 | 2.00 | -   | 2.00 | 2.80 | -   | 1.00 | 2.00 | -    | 1.98               |

Bachelor of Interior Design

Semester-04

Course Title: History of Interior & Furniture Design - III (33030405)

| CO / PO | PO1  | PO2 | PO3 | PO4 | PO5 | PO6  | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|------|-----|-----|-----|-----|------|-----|-----|-----|------|--------------------|
| CO1     | 2    | -   | -   | -   | -   | 1    | -   | -   | -   | 3    | 2.00               |
| CO2     | 1    | -   | -   | -   | -   | 1    | -   | -   | -   | 3    | 1.67               |
| CO3     | 2    | -   | -   | -   | -   | 1    | -   | -   | -   | 2    | 1.67               |
| CO4     | 1    | -   | -   | -   | -   | 1    | -   | -   | -   | 2    | 1.33               |
| CO5     | 1    | -   | -   | -   | -   | -    | -   | -   | -   | 3    | 2.00               |
| Average | 1.40 | -   | -   | -   | -   | 1.00 | -   | -   | -   | 2.60 | 1.73               |

Bachelor of Interior Design

Semester-04

Course Title: Computer Application - I (33030406)

| CO / PO | PO1  | PO2 | PO3 | PO4 | PO5  | PO6  | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|------|-----|-----|-----|------|------|-----|-----|-----|------|--------------------|
| CO1     | 2    | -   | -   | -   | -    | 1    | -   | -   | -   | 2    | 1.67               |
| CO2     | 1    | -   | -   | -   | 1    | 1    | -   | -   | -   | 1    | 1.00               |
| CO3     | 2    | -   | -   | -   | 3    | 1    | -   | -   | -   | 1    | 1.75               |
| CO4     | 1    | -   | -   | -   | 2    | -    | -   | -   | -   | 1    | 1.33               |
| CO5     | 1    | -   | -   | -   | 1    | -    | -   | -   | -   | 1    | 1.00               |
| Average | 1.40 | -   | -   | -   | 1.75 | 1.00 | -   | -   | -   | 1.20 | 1.35               |



# SWARNIM INSTITUTE OF DESIGN

## Bachelors of Interior Design

### Program Outcome - Course Outcome Matrix

Bachelor of Interior Design

Semester-05

Course Title: Design Studio-IV (33030501)

| CO / PO | PO1  | PO2  | PO3  | PO4 | PO5  | PO6  | PO7 | PO8 | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|-----|------|------|-----|-----|------|------|--------------------|
| CO1     | 3    | 2    | -    | -   | 1    | -    | -   | -   | -    | -    | 2.00               |
| CO2     | 2    | 3    | 1    | -   | 1    | -    | -   | -   | -    | -    | 1.75               |
| CO3     | 3    | 2    | 1    | -   | 2    | 1    | -   | -   | -    | -    | 1.80               |
| CO4     | 1    | 1    | 3    | -   | 2    | 1    | -   | -   | -    | -    | 1.60               |
| CO5     | -    | -    | -    | -   | 1    | -    | -   | -   | 3    | -    | 2.00               |
| Average | 2.25 | 2.00 | 1.67 | -   | 1.40 | 1.00 | -   | -   | 3.00 | -    | 1.83               |

Bachelor of Interior Design

Semester-05

Course Title: Interior Material and Construction-V (33030502)

| CO / PO | PO1  | PO2  | PO3  | PO4 | PO5  | PO6 | PO7 | PO8  | PO9 | PO10 | Overall CO Average |
|---------|------|------|------|-----|------|-----|-----|------|-----|------|--------------------|
| CO1     | 1    | -    | 3    | -   | -    | -   | -   | -    | -   | -    | 2.00               |
| CO2     | -    | 1    | 3    | -   | -    | -   | -   | -    | -   | -    | 2.00               |
| CO3     | -    | -    | 2    | -   | 3    | -   | -   | -    | -   | -    | 2.50               |
| CO4     | 1    | -    | 2    | -   | 2    | -   | -   | 1    | -   | -    | 1.50               |
| CO5     | -    | -    | 3    | -   | -    | -   | -   | 2    | -   | -    | 2.50               |
| Average | 1.00 | 1.00 | 2.60 | -   | 2.50 | -   | -   | 1.50 | -   | -    | 2.10               |

Bachelor of Interior Design

Semester-05

Course Title: Interior Services-III (33030503)

| CO / PO | PO1 | PO2  | PO3  | PO4 | PO5  | PO6 | PO7  | PO8  | PO9 | PO10 | Overall CO Average |
|---------|-----|------|------|-----|------|-----|------|------|-----|------|--------------------|
| CO1     | -   | 1    | 2    | -   | 1    | -   | 1    | 3    | -   | -    | 1.60               |
| CO2     | -   | 2    | 2    | -   | 1    | -   | -    | 3    | -   | -    | 2.00               |
| CO3     | -   | -    | 2    | -   | 3    | -   | -    | 2    | -   | -    | 2.33               |
| CO4     | -   | 1    | 1    | -   | 1    | -   | -    | 3    | -   | -    | 1.50               |
| CO5     | -   | -    | 3    | -   | -    | -   | -    | 2    | -   | -    | 2.50               |
| Average | -   | 1.33 | 2.00 | -   | 1.50 | -   | 1.00 | 2.60 | -   | -    | 1.99               |

Bachelor of Interior Design

Semester-05

Course Title: Furniture Design-II (33030504)

| CO / PO | PO1  | PO2  | PO3  | PO4 | PO5  | PO6  | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|------|------|------|-----|------|------|-----|-----|-----|------|--------------------|
| CO1     | 3    | 2    | 1    | -   | -    | 3    | -   | -   | -   | -    | 2.25               |
| CO2     | 2    | 3    | 1    | -   | -    | 2    | -   | -   | -   | -    | 2.00               |
| CO3     | 1    | 2    | 3    | -   | -    | 3    | -   | -   | -   | -    | 2.25               |
| CO4     | 1    | 1    | 2    | -   | -    | 3    | -   | -   | -   | -    | 1.75               |
| CO5     | -    | -    | 1    | -   | 3    | 2    | -   | -   | -   | -    | 2.00               |
| Average | 1.75 | 2.00 | 1.60 | -   | 3.00 | 2.60 | -   | -   | -   | -    | 2.05               |



# SWARRNIM INSTITUTE OF DESIGN

## Bachelors of Interior Design

### Program Outcome - Course Outcome Matrix

Bachelor of Interior Design

Semester-05

Course Title: Landscape in Interior Design (33030505)

| CO / PO | PO1  | PO2  | PO3  | PO4 | PO5  | PO6  | PO7  | PO8 | PO9 | PO10 | Overall CO Average |
|---------|------|------|------|-----|------|------|------|-----|-----|------|--------------------|
| CO1     | 2    | 1    | 1    | -   | -    | -    | 1    | -   | -   | -    | 1.25               |
| CO2     | -    | 3    | 1    | -   | -    | -    | 1    | -   | -   | -    | 1.67               |
| CO3     | -    | 2    | 2    | -   | -    | 1    | 2    | -   | -   | -    | 1.75               |
| CO4     | -    | 2    | 3    | -   | -    | -    | 1    | -   | -   | -    | 2.00               |
| CO5     | -    | 1    | -    | -   | 3    | -    | -    | -   | -   | -    | 2.00               |
| Average | 2.00 | 1.80 | 1.75 | -   | 3.00 | 1.00 | 1.25 | -   | -   | -    | 1.73               |

Bachelor of Interior Design

Semester-05

Course Title: Computer Application -II (33030506)

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5  | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|------|-----|-----|-----|-----|------|--------------------|
| CO1     | -   | -   | -   | -   | 1    | -   | -   | -   | -   | 1    | 1.00               |
| CO2     | -   | -   | -   | -   | 2    | -   | -   | -   | -   | -    | 2.00               |
| CO3     | -   | -   | -   | -   | 3    | -   | -   | -   | -   | -    | 3.00               |
| CO4     | -   | -   | -   | -   | 3    | -   | -   | -   | -   | -    | 3.00               |
| CO5     | -   | -   | -   | -   | 1    | -   | -   | -   | -   | -    | 1.00               |
| Average | -   | -   | -   | -   | 2.00 | -   | -   | -   | -   | 1.00 | 2.00               |

Bachelor of Interior Design

Semester-06

Course Title: Design studio – V (Working Drawing) (33030601)

| CO / PO | PO1 | PO2 | PO3  | PO4 | PO5  | PO6 | PO7 | PO8  | PO9  | PO10 | Overall CO Average |
|---------|-----|-----|------|-----|------|-----|-----|------|------|------|--------------------|
| CO1     | -   | -   | -    | -   | 2    | -   | -   | -    | -    | -    | 2.00               |
| CO2     | -   | -   | -    | -   | 3    | -   | -   | -    | -    | -    | 3.00               |
| CO3     | -   | -   | 1    | -   | 3    | -   | -   | 1    | -    | -    | 1.67               |
| CO4     | -   | -   | -    | -   | 2    | -   | -   | -    | -    | -    | 2.00               |
| CO5     | -   | -   | -    | -   | 2    | -   | -   | -    | 1    | -    | 1.50               |
| Average | -   | -   | 1.00 | -   | 2.40 | -   | -   | 1.00 | 1.00 | -    | 2.03               |

Bachelor of Interior Design

Semester-06

Course Title: Interior material and construction – VI (33030602)

| CO / PO | PO1 | PO2 | PO3  | PO4 | PO5  | PO6 | PO7 | PO8  | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|------|-----|------|-----|-----|------|-----|------|--------------------|
| CO1     | -   | -   | 3    | -   | 1    | -   | -   | -    | -   | -    | 2.00               |
| CO2     | -   | -   | 2    | -   | 1    | -   | -   | -    | -   | -    | 1.50               |
| CO3     | -   | -   | 3    | -   | 3    | -   | -   | 1    | -   | -    | 2.33               |
| CO4     | -   | -   | 2    | -   | 1    | -   | -   | 1    | -   | -    | 1.33               |
| CO5     | -   | -   | 3    | -   | -    | -   | -   | 1    | -   | -    | 2.00               |
| Average | -   | -   | 2.60 | -   | 1.50 | -   | -   | 1.00 | -   | -    | 1.83               |



# SWARNIM INSTITUTE OF DESIGN

## Bachelors of Interior Design

### Program Outcome - Course Outcome Matrix

Bachelor of Interior Design

Semester-06

Course Title: Interior Services - IV (33030603)

| CO / PO | PO1 | PO2  | PO3  | PO4 | PO5  | PO6 | PO7 | PO8  | PO9 | PO10 | Overall CO Average |
|---------|-----|------|------|-----|------|-----|-----|------|-----|------|--------------------|
| CO1     | -   | -    | 2    | -   | -    | -   | -   | 1    | -   | -    | 1.50               |
| CO2     | -   | 1    | 2    | -   | -    | -   | -   | 1    | -   | -    | 1.33               |
| CO3     | -   | -    | 2    | -   | 3    | -   | -   | 2    | -   | -    | 2.33               |
| CO4     | -   | -    | 1    | -   | 1    | -   | -   | 3    | -   | -    | 1.67               |
| CO5     | -   | -    | 3    | -   | -    | -   | -   | 1    | -   | -    | 2.00               |
| Average | -   | 1.00 | 2.00 | -   | 2.00 | -   | -   | 1.60 | -   | -    | 1.77               |

Bachelor of Interior Design

Semester-06

Course Title: Estimation and Costing (33030604)

| CO / PO | PO1 | PO2 | PO3  | PO4 | PO5  | PO6 | PO7 | PO8  | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|------|-----|------|-----|-----|------|-----|------|--------------------|
| CO1     | -   | -   | 1    | -   | -    | -   | -   | 1    | -   | -    | 1.00               |
| CO2     | -   | -   | 2    | -   | -    | -   | -   | 1    | -   | -    | 1.50               |
| CO3     | -   | -   | 1    | -   | 2    | -   | -   | 1    | -   | -    | 1.33               |
| CO4     | -   | -   | 2    | -   | 1    | -   | -   | 2    | -   | -    | 1.67               |
| CO5     | -   | -   | 1    | -   | -    | -   | -   | 1    | -   | -    | 1.00               |
| Average | -   | -   | 1.40 | -   | 1.50 | -   | -   | 1.20 | -   | -    | 1.30               |

Bachelor of Interior Design

Semester-06

Course Title: Computer Application -III (33030605)

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5  | PO6 | PO7 | PO8  | PO9  | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|------|-----|-----|------|------|------|--------------------|
| CO1     | -   | -   | -   | -   | 1    | -   | -   | -    | -    | -    | 1.00               |
| CO2     | -   | -   | -   | -   | 2    | -   | -   | -    | -    | -    | 2.00               |
| CO3     | -   | -   | -   | -   | 3    | -   | -   | 1    | -    | -    | 2.00               |
| CO4     | -   | -   | -   | -   | 3    | -   | -   | 1    | -    | -    | 2.00               |
| CO5     | -   | -   | -   | -   | 2    | -   | -   | -    | 1    | -    | 1.50               |
| Average | -   | -   | -   | -   | 2.20 | -   | -   | 1.00 | 1.00 | -    | 1.70               |

Bachelor of Interior Design

Semester-06

Course Title: Estimation and Costing (33030606)

| CO / PO | PO1 | PO2 | PO3  | PO4 | PO5  | PO6 | PO7 | PO8  | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|------|-----|------|-----|-----|------|-----|------|--------------------|
| CO1     | -   | -   | 1    | -   | -    | -   | -   | 1    | -   | -    | 1.00               |
| CO2     | -   | -   | 2    | -   | -    | -   | -   | 1    | -   | -    | 1.50               |
| CO3     | -   | -   | 1    | -   | 2    | -   | -   | 1    | -   | -    | 1.33               |
| CO4     | -   | -   | 2    | -   | 1    | -   | -   | 2    | -   | -    | 1.67               |
| CO5     | -   | -   | 1    | -   | -    | -   | -   | 1    | -   | -    | 1.00               |
| Average | -   | -   | 1.40 | -   | 1.50 | -   | -   | 1.20 | -   | -    | 1.30               |



# SWARNIM INSTITUTE OF DESIGN

## Bachelors of Interior Design

### Program Outcome - Course Outcome Matrix

Bachelor of Interior Design

Semester-07

Course Title: Final Project (33030701)

| CO / PO | PO1  | PO2  | PO3  | PO4 | PO5  | PO6  | PO7 | PO8 | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|-----|------|------|-----|-----|------|------|--------------------|
| CO1     | 3    | 2    | 2    | -   | 1    | -    | -   | -   | 1    | 2    | 1.83               |
| CO2     | 2    | 3    | 2    | -   | 1    | 2    | -   | -   | 1    | -    | 1.83               |
| CO3     | 2    | 1    | 1    | -   | -    | -    | -   | -   | 1    | 1    | 1.20               |
| CO4     | 2    | 2    | 3    | -   | -    | 1    | -   | -   | -    | 1    | 1.80               |
| CO5     | 1    | -    | -    | -   | 2    | -    | -   | -   | 3    | -    | 2.00               |
| Average | 2.00 | 2.00 | 2.00 | -   | 1.33 | 1.50 | -   | -   | 1.50 | 1.33 | 1.73               |

Bachelor of Interior Design

Semester-07

Course Title: Research Methodology (33030702)

| CO / PO | PO1  | PO2 | PO3  | PO4 | PO5  | PO6  | PO7 | PO8 | PO9  | PO10 | Overall CO Average |
|---------|------|-----|------|-----|------|------|-----|-----|------|------|--------------------|
| CO1     | 2    | -   | 1    | -   | 1    | -    | -   | -   | -    | 2    | 1.50               |
| CO2     | 1    | -   | -    | -   | 1    | 2    | -   | -   | -    | 1    | 1.25               |
| CO3     | 2    | -   | 1    | -   | 1    | -    | -   | -   | -    | 1    | 1.25               |
| CO4     | 2    | -   | 2    | -   | 1    | 1    | -   | -   | 1    | 2    | 1.50               |
| CO5     | 2    | -   | -    | -   | 2    | -    | -   | -   | 2    | 1    | 1.75               |
| Average | 1.80 | -   | 1.33 | -   | 1.20 | 1.50 | -   | -   | 1.50 | 1.40 | 1.45               |

Bachelor of Interior Design

Semester-07

Course Title: Interior contemporary practices (33030703)

| CO / PO | PO1  | PO2  | PO3  | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|------|------|------|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3    | -    | -    | -   | -   | -   | -   | -   | -   | 3    | 3.00               |
| CO2     | 1    | -    | -    | -   | -   | -   | -   | -   | -   | 3    | 2.00               |
| CO3     | 2    | 1    | 2    | -   | -   | -   | -   | -   | -   | 2    | 1.75               |
| CO4     | 1    | -    | 3    | -   | -   | -   | -   | -   | -   | 2    | 2.00               |
| CO5     | 3    | -    | -    | -   | -   | -   | -   | -   | -   | 3    | 3.00               |
| Average | 2.00 | 1.00 | 2.50 | -   | -   | -   | -   | -   | -   | 2.60 | 2.35               |

Bachelor of Interior Design

Semester-08

Course Title: Internship/Office Training (33030801)

| CO / PO | PO1  | PO2  | PO3  | PO4 | PO5  | PO6  | PO7 | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|-----|------|------|-----|------|------|------|--------------------|
| CO1     | 3    | 3    | 2    | -   | 1    | 2    | -   | 1    | 3    | 1    | 2.00               |
| CO2     | 2    | 2    | 1    | -   | 1    | 2    | -   | -    | 1    | 1    | 1.43               |
| CO3     | 1    | 2    | 1    | -   | 1    | -    | -   | 1    | 1    | -    | 1.17               |
| CO4     | 1    | 1    | -    | -   | -    | 1    | -   | -    | 3    | -    | 1.50               |
| CO5     | -    | -    | -    | -   | -    | -    | -   | 2    | 3    | -    | 2.50               |
| Average | 1.75 | 2.00 | 1.33 | -   | 1.00 | 1.67 | -   | 1.33 | 2.20 | 1.00 | 1.72               |



## SWARRNIM INSTITUTE OF DESIGN

### Masters of Urban Planning

#### Program Outcome - Course Outcome Matrix

##### Program Outcome (PO)

**PO1: Comprehensive Understanding of Planning Theories and Practices:**

Graduates will demonstrate a deep understanding of the principles, theories, and methodologies in urban and regional planning, integrating knowledge across various sectors such as land use, transportation, housing, and environment.

**PO2: Application of Analytical and Research Skills:** Graduates will be proficient in applying quantitative and qualitative research methods to analyse complex urban and regional issues, utilizing advanced tools like Geographic Information Systems (GIS), remote sensing, and data analytics for informed decision-making.

**PO3: Sustainable and Inclusive Planning Solutions:** Graduates will develop the capacity to design sustainable, inclusive, and resilient planning solutions that address socio-economic inequalities, environmental challenges, and the need for climate adaptation.

**PO4: Policy Formulation and Implementation:** Graduates will acquire the skills to contribute to the formulation, evaluation, and implementation of urban, regional, and national policies, understanding the socio-political, legal, and economic contexts that shape urban development.

**PO5: Collaborative and Interdisciplinary Approach:** Graduates will be able to work effectively in interdisciplinary teams, collaborating with professionals from diverse fields such as architecture, engineering, public policy, and environmental science, to devise holistic planning strategies.

**PO6: Ethical and Professional Responsibility:** Graduates will uphold ethical standards and demonstrate professional responsibility in planning practice, ensuring that their work promotes social justice, public welfare, and the sustainable development of communities.

**PO7: Communication and Stakeholder Engagement:** Graduates will be proficient in effectively communicating planning ideas, strategies, and policies to diverse stakeholders, including government agencies, community groups, private sector organizations, and the general public.

**PO8: Leadership and Management in Urban Governance:** Graduates will develop leadership and managerial skills necessary to engage in urban governance, project management, and institutional development, contributing to the efficient delivery of public services and infrastructure development.

**PO9: Global and Local Perspectives in Planning:** Graduates will be equipped to address both global challenges and local needs, balancing international best practices in urban planning with the unique cultural, economic, and environmental conditions of specific regions.

**PO10: Lifelong Learning and Innovation:** Graduates will demonstrate a commitment to lifelong learning, staying updated with emerging trends, technologies, and innovations in planning, while adapting to the dynamic needs of rapidly changing urban environments.

These outcomes ensure that graduates of the Master of Planning program are well-prepared to take on leadership roles in urban and regional planning, policy-making, and sustainable development across different contexts.

Below CO-PO Mapping Matrix for **M.Plan** program, aligned with the stated Program Outcomes (POs) using a standard 3-2-1 scale:

- 3 = Strongly aligned
- 2 = Moderately aligned
- 1 = Slightly aligned
- (blank) = Not significantly aligned



**Masters of Urban Planning**

Semester-01

**Course Title: Planning History and Theory (34010101)**
**Course Outcomes (Cos)**

- CO1: Understand the evolution of planning theories and practices
- CO2: Analyze historical planning case studies.
- CO3: Evaluate the impact of historical events on modern planning
- CO4: Develop a comprehensive understanding of key planning milestones.
- CO5: Apply historical knowledge to contemporary planning issues

| CO\PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1   | 3   | -   | -   | -   | -   | -   | -   | -   | -   | -    | 3.00               |
| CO2   | 1   | 3   | -   | -   | -   | -   | -   | -   | -   | -    | 2.00               |
| CO3   | 1   | 1   | 3   | -   | -   | -   | -   | -   | 1   | 1    | 1.40               |
| CO4   | 2   | -   | -   | 3   | 1   | -   | -   | -   | 1   | 2    | 1.80               |
| CO5   | 1   | -   | 1   | -   | -   | -   | 3   | -   | 1   | 1    | 1.40               |

**Masters of Urban Planning**

Semester-01

**Course Title: Socio-economic basis for Planning (34010102)**
**Course Outcomes (Cos)**

- CO1: Understand socio-economic theories and their application in planning.
- CO2: Analyze socio-economic data for planning purposes.
- CO3: Evaluate the impact of socio-economic factors on urban and regional planning.
- CO4: Develop strategies to address socio-economic issues in planning.
- CO5: Apply socio-economic principles to contemporary planning challenges.

| CO/PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1   | 3   | -   | -   | -   | -   | -   | -   | -   | -   | -    | 3.00               |
| CO2   | 1   | 3   | -   | -   | -   | -   | -   | -   | -   | -    | 2.00               |
| CO3   | 2   | 1   | 3   | -   | 1   | -   | -   | -   | 1   | 1    | 1.50               |
| CO4   | 2   | -   | -   | 3   | 1   | 1   | -   | -   | 1   | 2    | 1.67               |
| CO5   | 1   | -   | 1   | -   | -   | -   | 3   | -   | 1   | 1    | 1.40               |



**Masters of Urban Planning**

Semester-01

**Course Title: Planning Techniques (34010103)**
**Course Outcomes (Cos)**

- CO1: Understand various planning techniques and their applications.
- CO2: Analyze spatial data using appropriate planning tools.
- CO3: Develop skills in quantitative and qualitative research methods.
- CO4: Apply planning techniques to real-world scenarios.
- CO5: Evaluate the effectiveness of different planning techniques.

| CO/PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1   | 3   | -   | -   | -   | -   | -   | -   | -   | -   | -    | 3.00               |
| CO2   | -   | 3   | 1   | -   | -   | -   | -   | -   | -   | -    | 2.00               |
| CO3   | 1   | 2   | 3   | -   | -   | 1   | -   | 1   | 1   | 1    | 1.43               |
| CO4   | 2   | 1   | -   | 3   | 1   | 1   | -   | 1   | 1   | 2    | 1.50               |
| CO5   | 1   | -   | 1   | -   | 1   | -   | 3   | -   | 1   | 1    | 1.33               |

**Masters of Urban Planning**

Semester-01

**Course Title: Infrastructure and Transport Planning (34010104)**
**Course Outcomes (Cos)**

- CO1: Understand the principles of infrastructure and transport planning.
- CO2: Analyze the impact of infrastructure on urban and regional development.
- CO3: Evaluate different transport planning models and techniques.
- CO4: Develop strategies for sustainable infrastructure and transport systems.
- CO5: Apply planning tools to real-world infrastructure and transport projects.

| CO/PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1   | 3   | -   | -   | -   | -   | -   | -   | -   | 1   | -    | 2.00               |
| CO2   | 1   | 3   | -   | -   | 1   | -   | -   | 1   | -   | -    | 1.50               |
| CO3   | 2   | 1   | 3   | -   | 1   | 1   | -   | 1   | 1   | 1    | 1.38               |
| CO4   | 2   | -   | 1   | 3   | 1   | 1   | -   | 1   | 1   | 2    | 1.50               |
| CO5   | 1   | -   | 1   | -   | 1   | -   | 3   | -   | 1   | 1    | 1.33               |



**Masters of Urban Planning**

Semester-01

**Course Title: Housing and Environmental Planning (34010105)**
**Course Outcomes (Cos)**

- CO1: Understand the principles of sustainable housing development.
- CO2: Analyze the environmental impacts of housing projects.
- CO3: Develop strategies for integrating environmental planning into housing policies.
- CO4: Evaluate the effectiveness of different housing policies in promoting environmental sustainability.
- CO5: Apply planning tools and techniques to real-world housing and environmental challenges.

| CO/PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1   | 3   | -   | -   | -   | -   | -   | -   | -   | 1   | -    | 2.00               |
| CO2   | 1   | 3   | 1   | -   | 1   | -   | -   | 1   | -   | -    | 1.40               |
| CO3   | -   | -   | 3   | 1   | 2   | -   | -   | 1   | 1   | 1    | 1.50               |
| CO4   | 2   | -   | 2   | 3   | 1   | -   | -   | -   | 1   | 2    | 1.83               |
| CO5   | 1   | -   | 1   | -   | 1   | -   | 3   | -   | -   | 1    | 1.40               |

**Masters of Urban Planning**

Semester-01

**Course Title: Studio course (34010106)**
**Course Outcomes (Cos)**

- CO1: Apply planning theories and techniques to practical urban and regional projects.
- CO2: Analyze real-world data to inform planning decisions.
- CO3: Develop integrated solutions that address social, economic, and environmental aspects of planning projects.
- CO4: Work collaboratively in teams to solve complex planning problems.
- CO5: Present and defend planning projects to stakeholders through effective communication tools.

| CO/PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1   | 3   | -   | 1   | -   | 1   | -   | -   | 1   | 1   | -    | 1.40               |
| CO2   | 1   | 3   | 1   | -   | 1   | -   | -   | 1   | -   | 1    | 1.33               |
| CO3   | 2   | 1   | 3   | 1   | 1   | 1   | -   | 1   | 1   | 1    | 1.33               |
| CO4   | 1   | -   | 1   | 3   | 1   | 1   | -   | 1   | 1   | 1    | 1.25               |
| CO5   | 1   | -   | 1   | -   | 3   | -   | 3   | -   | 1   | 2    | 1.83               |




**Masters of Urban Planning**

Semester-02

**Course Title: City and Metropolitan Planning (34010201)**
**Course Outcomes (Cos)**

- CO1: Understand the principles and theories related to city and metropolitan planning, focusing on urban growth and regional development.
- CO2: Analyze the dynamics of metropolitan regions, including economic, social, and environmental factors.
- CO3: Develop strategies for managing urban growth, infrastructure development, and service delivery in metropolitan areas.
- CO4: Evaluate policies and governance structures that influence metropolitan planning and management.
- CO5: Communicate metropolitan planning strategies effectively to stakeholders, including local governments, citizens, and private entities.

| CO/PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1   | 3   | 1   | -   | -   | 1   | -   | -   | -   | 1   | -    | 1.50               |
| CO2   | 1   | 3   | 1   | -   | 1   | -   | -   | 1   | 1   | -    | 1.33               |
| CO3   | 1   | 1   | 3   | 1   | 1   | 1   | -   | -   | 1   | 1    | 1.25               |
| CO4   | -   | 1   | -   | 3   | -   | 1   | -   | 1   | 1   | 1    | 1.33               |
| CO5   | -   | -   | 1   | 1   | 3   | 1   | 3   | 1   | 1   | 2    | 1.63               |

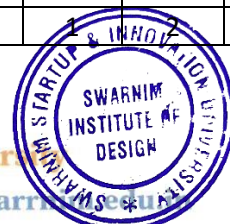
**Masters of Urban Planning**

Semester-02

**Course Title: Infrastructure Planning (34010202)**
**Course Outcomes (Cos)**

- CO1: Understand the dynamics of urban growth and metropolitan development.
- CO2: Analyze the socio-economic and environmental impacts of metropolitan planning.
- CO3: Develop comprehensive metropolitan plans that integrate land use, transportation, and infrastructure.
- CO4: Evaluate policy frameworks and governance structures for metropolitan regions.
- CO5: Apply advanced planning tools and techniques to address metropolitan challenges.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 2   | -   | -   | -   | 1   | -   | 1   | -   | -   | 1    | 1.25               |
| CO2     | -   | 1   | 1   | -   | 1   | -   | 1   | -   | -   | -    | 1.00               |
| CO3     | 1   | -   | 2   | 1   | 2   | 1   | -   | -   | 1   | 1    | 1.29               |
| CO4     | -   | -   | 1   | 2   | 1   | 1   | -   | 1   | 1   | 1    | 1.14               |
| CO5     | -   | -   | -   | 1   | 2   | 1   | 2   | 1   | 1   | 1    | 1.43               |




**Masters of Urban Planning**

Semester-02

**Course Title: Urban Heritage Conservation (34010203)**
**Course Outcomes (Cos)**

- CO1: Understand the principles and practices of urban heritage conservation.
- CO2: Analyze the historical, cultural, and social significance of urban heritage sites.
- CO3: Develop strategies for the conservation and management of urban heritage.
- CO4: Evaluate the impact of urban development on heritage sites.
- CO5: Apply conservation techniques and tools to real-world heritage conservation projects.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 1   | -   | -   | -   | -   | -   | 1   | -   | -   | 2    | 1.33               |
| CO2     | 2   | 1   | -   | 1   | 1   | -   | 2   | 1   | -   | 1    | 1.29               |
| CO3     | 2   | -   | 2   | 2   | 2   | 1   | -   | 1   | 2   | 1    | 1.63               |
| CO4     | 1   | -   | 1   | 2   | -   | 1   | -   | 1   | 2   | -    | 1.33               |
| CO5     | -   | 2   | 1   | -   | 2   | 2   | 1   | 2   | 1   | 2    | 1.63               |

**Masters of Urban Planning**

Semester-02

**Course Title: Advanced Planning Techniques (34010204)**
**Course Outcomes (Cos)**

- CO1: Master advanced quantitative and qualitative planning techniques.
- CO2: Apply advanced GIS and spatial analysis tools in planning.
- CO3: Develop comprehensive plans using advanced modeling techniques.
- CO4: Evaluate the effectiveness of various planning techniques in real-world scenarios.
- CO5: Communicate complex planning concepts and results effectively.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 2   | 2   | 1   | -   | 1   | -   | 1   | -   | -   | 2    | 1.50               |
| CO2     | 1   | 3   | 1   | 1   | -   | -   | 2   | 1   | -   | 1    | 1.43               |
| CO3     | 2   | 1   | 2   | 2   | 2   | 1   | -   | 1   | 2   | -    | 1.63               |
| CO4     | -   | 2   | -   | 2   | 1   | -   | 1   | 1   | 2   | -    | 1.50               |
| CO5     | -   | 1   | 2   | 1   | 2   | 2   | 2   | 2   | 1   | 2    | 1.67               |

**Masters of Urban Planning**  
 Semester-02  
**Course Title: Studio (34010205)**

**Course Outcomes (Cos)**

- CO1: Develop advanced practical skills in urban and regional planning.
- CO2: Apply theoretical knowledge to complex, real-world planning projects.
- CO3: Collaborate effectively in multidisciplinary teams to solve planning challenges.
- CO4: Utilize advanced planning tools and techniques in project development.
- CO5: Present planning proposals clearly and professionally to diverse stakeholders.

| CO \ PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | -   | 2   | -   | -   | -   | -   | -   | -   | -    | 2.50               |
| CO2     | -   | 3   | -   | 2   | -   | -   | -   | -   | -   | -    | 2.50               |
| CO3     | -   | -   | 3   | -   | 3   | 2   | -   | -   | -   | -    | 2.67               |
| CO4     | -   | 3   | -   | 2   | -   | -   | -   | -   | 2   | -    | 2.33               |
| CO5     | -   | -   | -   | -   | -   | 2   | 3   | 2   | -   | -    | 2.33               |

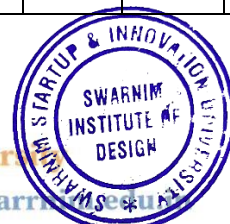
**Masters of Urban Planning**  
 Semester-02

**Course Title: Inclusive Urban Planning (Elective – I) (34010206)**

**Course Outcomes (Cos)**

- CO1: Understand the concepts and principles of inclusive urban planning, focusing on equity, accessibility, and social justice.
- CO2: Analyze the spatial, social, and economic needs of marginalized and vulnerable groups in urban areas.
- CO3: Develop urban planning strategies that incorporate the principles of inclusivity and diversity in city development.
- CO4: Evaluate existing urban policies and programs from the perspective of inclusivity and suggest improvements.
- CO5: Communicate inclusive planning strategies effectively to stakeholders through reports, presentations, and visualizations.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 2   | -   | 3   | -   | -   | 3   | 2   | -   | -   | -    | 2.50               |
| CO2     | -   | 3   | 3   | -   | -   | 3   | -   | -   | -   | -    | 3.00               |
| CO3     | -   | -   | 3   | 1   | 1   | 3   | 1   | -   | -   | -    | 1.80               |
| CO4     | -   | -   | 1   | 3   | 1   | 3   | -   | -   | -   | -    | 2.00               |
| CO5     | -   | -   | -   | 1   | 3   | 2   | 3   | 3   | -   | -    | 2.40               |



**Masters of Urban Planning**

Semester-02

**Course Title: Planning for Tourism (Elective – I) (34010206)**
**Course Outcomes (Cos)**

- CO1: Understand the principles and concepts of tourism planning, with an emphasis on sustainable development.
- CO2: Analyze the socio-economic and environmental impacts of tourism on urban and rural areas.
- CO3: Develop tourism development plans that incorporate sustainability, community engagement, and cultural heritage conservation.
- CO4: Evaluate existing tourism policies and frameworks and recommend improvements for better planning and management.
- CO5: Communicate tourism planning strategies effectively through written reports, presentations, and visual tools to stakeholders, including government agencies and local communities.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 2   | 1   | 3   | -   | -   | 2   | 2   | -   | 1   | -    | 1.83               |
| CO2     | -   | 3   | 2   | 1   | -   | 2   | -   | -   | 2   | -    | 2.00               |
| CO3     | -   | 1   | 3   | 2   | 2   | 2   | 2   | -   | -   | -    | 2.00               |
| CO4     | -   | 2   | -   | 3   | -   | 3   | -   | -   | -   | -    | 2.67               |
| CO5     | 1   | 1   | 2   | 1   | 3   | 2   | 3   | 2   | 1   | -    | 1.78               |

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**Masters of Urban Planning**

Semester-03

**Course Title: Urban Development Management (34010301)**
**Course Outcomes (Cos)**

- CO1: Understand the principles and practices of urban development management.
- CO2: Analyze the economic, social, and environmental impacts of urban development projects.
- CO3: Develop strategies for effective urban development and management.
- CO4: Evaluate policy frameworks and governance structures in urban development.
- CO5: Apply advanced management techniques to urban development projects

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | -   | -   | -   | -   | -   | 1   | -   | -   | -    | 2.00               |
| CO2     | 2   | 3   | -   | -   | -   | 2   | 1   | -   | -   | -    | 2.00               |
| CO3     | 2   | 2   | 3   | 1   | -   | -   | 3   | -   | 2   | -    | 2.17               |
| CO4     | -   | -   | 1   | 3   | -   | 3   | -   | 1   | 2   | -    | 2.00               |
| CO5     | 2   | 2   | 2   | -   | 2   | -   | 3   | 3   | 2   | -    | 2.29               |

**Masters of Urban Planning**

Semester-03

**Course Title: Project Planning and Management (34010302)**
**Course Outcomes (Cos)**

- CO1: Understand the principles and techniques of project planning, scheduling, and resource allocation.
- CO2: Analyze the financial, environmental, and social impacts of projects, and manage risk and uncertainties.
- CO3: Apply project management software tools for effective project tracking and control.
- CO4: Develop project proposals and feasibility studies, incorporating sustainability and strategic alignment.
- CO5: Understand contract management, stakeholder management, and legal frameworks in project execution.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 2   | -   | -   | -   | -   | -   | -   | -   | -   | -    | 2.00               |
| CO2     | 1   | 3   | 1   | 1   | -   | 1   | -   | -   | -   | -    | 1.40               |
| CO3     | -   | 3   | -   | -   | 1   | -   | 1   | -   | -   | -    | 1.67               |
| CO4     | 1   | -   | 2   | 3   | 1   | 2   | 1   | 2   | 1   | -    | 1.63               |
| CO5     | -   | 1   | -   | 2   | 3   | 1   | 3   | 3   | 1   | -    | 2.00               |



**Masters of Urban Planning**

Semester-03

**Course Title: Urban Governance (34010303)**
**Course Outcomes (Cos)**

- CO1: Understand the principles and frameworks of urban governance.
- CO2: Analyze the roles and responsibilities of various stakeholders in urban governance.
- CO3: Evaluate policy and regulatory frameworks affecting urban governance.
- CO4: Develop strategies for effective governance in urban areas.
- CO5: Apply governance theories and practices to real-world urban issues.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 2   | -   | -   | 1   | -   | -   | 1   | -   | -   | -    | 1.33               |
| CO2     | 1   | -   | -   | 2   | 1   | 1   | 1   | 1   | -   | -    | 1.17               |
| CO3     | 1   | -   | 1   | 3   | 1   | 2   | 1   | 1   | -   | -    | 1.43               |
| CO4     | -   | -   | 2   | 3   | 2   | 2   | 1   | 2   | 1   | -    | 1.86               |
| CO5     | 1   | -   | 2   | 2   | 1   | 2   | 1   | 2   | 1   | -    | 1.50               |

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Semester-03

**Course Title: Politics and Planning (34010304)**
**Course Outcomes (Cos)**

- CO1: Understand the role of politics in urban and regional planning.
- CO2: Analyze the impact of political decisions on planning processes and outcomes.
- CO3: Evaluate policy frameworks and their implications for urban development.
- CO4: Develop strategies to navigate political challenges in planning practice.
- CO5: Apply political theories and concepts to real-world planning scenarios.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 2   | -   | -   | 2   | -   | 1   | -   | -   | -   | -    | 1.67               |
| CO2     | 1   | -   | 1   | 3   | -   | 2   | 1   | -   | -   | -    | 1.60               |
| CO3     | 1   | -   | 1   | 3   | -   | 2   | 1   | -   | -   | -    | 1.60               |
| CO4     | -   | -   | 1   | 2   | 1   | 2   | -   | 1   | -   | -    | 1.40               |
| CO5     | 1   | -   | 1   | 2   | -   | 1   | 1   | -   | -   | -    | 1.20               |



**Masters of Urban Planning**  
 Semester-03  
**Course Title: Studio (34010305)**

**Course Outcomes (Cos)**

- CO1: Apply advanced analytical methods and tools for urban and regional planning.
- CO2: Integrate theoretical knowledge with practical design and planning solutions.
- CO3: Develop comprehensive planning proposals addressing real-world issues in urban development.
- CO4: Collaborate with multidisciplinary teams and effectively communicate planning solutions.
- CO5: Critically assess the social, economic, and environmental impacts of planning interventions.

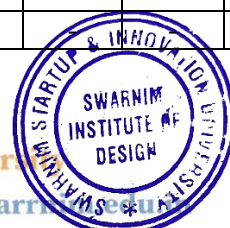
| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 2   | 3   | 1   | 1   | -   | -   | -   | -   | -   | -    | 1.75               |
| CO2     | 3   | 2   | 2   | 2   | 1   | -   | -   | -   | -   | -    | 2.00               |
| CO3     | 2   | 2   | 3   | 2   | 1   | -   | -   | -   | -   | -    | 2.00               |
| CO4     | 1   | -   | 1   | 1   | 3   | -   | 2   | 2   | -   | -    | 1.67               |
| CO5     | 1   | 1   | 2   | 2   | 1   | 3   | -   | 1   | -   | -    | 1.57               |

**Masters of Urban Planning**  
 Semester-03

**Course Title: Environment, Development and Disaster Management (Elective – II) (34010306)**  
**Course Outcomes (Cos)**

- CO1: Understand the interrelationship between environment, development, and disaster management in urban and regional contexts.
- CO2: Analyze the impacts of development activities on the environment and assess disaster risks.
- CO3: Formulate strategies for sustainable development, environmental protection, and disaster resilience.
- CO4: Evaluate existing policies and frameworks related to disaster management and environmental sustainability.
- CO5: Communicate and collaborate effectively with stakeholders in developing and implementing disaster management and sustainability plans.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | -   | 3   | 1   | -   | -   | -   | -   | 2   | -    | 2.25               |
| CO2     | 2   | 3   | 3   | 1   | -   | -   | -   | -   | 1   | -    | 2.00               |
| CO3     | 2   | 2   | 3   | 2   | -   | 3   | -   | -   | 2   | 2    | 2.29               |
| CO4     | -   | 1   | 2   | 3   | -   | 2   | 1   | -   | -   | -    | 1.80               |
| CO5     | -   | -   | -   | 1   | 2   | 2   | 3   | 1   | -   | -    | 1.80               |



**Masters of Urban Planning**

Semester-03

**Course Title: Energy, Climate Change and Urban Development (Elective – II) (34010306)**
**Course Outcomes (Cos)**

- CO1: Analyze the impact of climate change on urban systems
- CO2: Evaluate Sustainable energy solutions for urban environments
- CO3: Develop urban planning strategies that integrate climate resilience
- CO4 : Conduct assessments of energy policies in relation to urban development
- CO5: Communicate effectively the importance of sustainable practices in urban planning.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 2   | -   | 3   | 1   | -   | -   | -   | -   | 3   | -    | 2.25               |
| CO2     | 1   | -   | 3   | 1   | -   | -   | -   | -   | 2   | 2    | 1.80               |
| CO3     | 3   | -   | 3   | 2   | 1   | -   | -   | -   | 3   | 2    | 2.33               |
| CO4     | 1   | -   | 2   | 3   | -   | 1   | -   | -   | 1   | -    | 1.60               |
| CO5     | -   | -   | 1   | -   | -   | 2   | 3   | -   | 1   | -    | 1.75               |


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**Masters of Urban Planning**

Semester-04

**Course Title: Development Finance (34010401)**
**Course Outcomes (Cos)**

- CO1: Understand the principles and theories of development finance in the context of urban planning.
- CO2: Analyze the role of public and private financing in infrastructure and urban development projects.
- CO3: Evaluate different financing mechanisms and instruments used in development projects.
- CO4: Formulate development finance strategies that promote sustainable and equitable urban growth.
- CO5: Assess the impact of financial policies and governance structures on urban development.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 2   | -   | 1   | -   | -   | -   | -   | -   | -   | -    | 1.50               |
| CO2     | -   | 1   | 2   | 2   | -   | -   | -   | 2   | -   | -    | 1.75               |
| CO3     | -   | 2   | 3   | 2   | -   | -   | -   | 2   | 1   | -    | 2.00               |
| CO4     | -   | 1   | 3   | 3   | -   | -   | -   | 2   | 2   | -    | 2.20               |
| CO5     | -   | -   | 2   | 3   | -   | -   | -   | 1   | 1   | -    | 1.75               |

**Masters of Urban Planning**

Semester-04

**Course Title: Legal Issues and Professional Practice (34010402)**
**Course Outcomes (Cos)**

- CO1: Understand the legal frameworks governing urban planning and development.
- CO2: Analyze the impact of laws and regulations on urban land use, zoning, and environmental management.
- CO3: Evaluate the role of ethics and professional standards in planning practice.
- CO4: Apply legal knowledge to resolve disputes and ensure compliance in planning projects.
- CO5: Develop skills for professional practice, including contract management, legal negotiations, and client relations.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | 1   | -   | 3   | -   | 1   | -   | -   | -   | -    | 2.00               |
| CO2     | 2   | 2   | -   | 3   | -   | 1   | -   | -   | -   | -    | 2.00               |
| CO3     | 1   | -   | -   | 2   | -   | 3   | 1   | -   | -   | -    | 1.75               |
| CO4     | 1   | 1   | -   | 3   | -   | 2   | 1   | -   | -   | -    | 1.60               |
| CO5     | -   | -   | -   | 1   | -   | 2   | 2   | 2   | -   | -    | 1.75               |



**Masters of Urban Planning**  
 Semester-04  
**Course Title: Thesis (34010403)**

**Course Outcomes (Cos)**

- CO1: Formulate a research question and develop a comprehensive research proposal relevant to urban and regional planning.
- CO2: Conduct thorough literature reviews and apply theoretical frameworks to analyze complex planning issues.
- CO3: Employ appropriate research methodologies, both qualitative and quantitative, in planning research.
- CO4: Synthesize data and findings to develop planning strategies, solutions, or recommendations.
- CO5: Effectively present research findings in written and oral formats, adhering to academic and professional standards.

| CO / PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | Overall CO Average |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------|
| CO1     | 3   | 1   | -   | 2   | -   | -   | -   | -   | -   | 2    | 2.00               |
| CO2     | 2   | 3   | 1   | 1   | -   | -   | -   | -   | -   | 1    | 1.60               |
| CO3     | 1   | 3   | 2   | -   | -   | -   | -   | -   | -   | 1    | 1.75               |
| CO4     | 2   | 2   | 3   | 1   | -   | 1   | -   | -   | -   | 2    | 1.83               |
| CO5     | -   | 1   | -   | -   | -   | 1   | 3   | -   | -   | 2    | 1.75               |

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Semester-01

Course Title: Planning History and Theory (34010101)

| CO\PO   | PO1  | PO2  | PO3  | PO4  | PO5  | PO6 | PO7  | PO8 | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|------|-----|------|-----|------|------|--------------------|
| CO1     | 3    | -    | -    | -    | -    | -   | -    | -   | -    | -    | 3.00               |
| CO2     | 1    | 3    | -    | -    | -    | -   | -    | -   | -    | -    | 2.00               |
| CO3     | 1    | 1    | 3    | -    | -    | -   | -    | -   | 1    | 1    | 1.40               |
| CO4     | 2    | -    | -    | 3    | 1    | -   | -    | -   | 1    | 2    | 1.80               |
| CO5     | 1    | -    | 1    | -    | -    | -   | 3    | -   | 1    | 1    | 1.40               |
| Average | 1.60 | 2.00 | 2.00 | 3.00 | 1.00 | -   | 3.00 | -   | 1.00 | 1.33 | 1.92               |

Masters of Urban Planning

Semester-01

Course Title: Socio-economic basis for Planning (34010102)

| CO/PO   | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7  | PO8 | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|------|-----|------|------|--------------------|
| CO1     | 3    | -    | -    | -    | -    | -    | -    | -   | -    | -    | 3.00               |
| CO2     | 1    | 3    | -    | -    | -    | -    | -    | -   | -    | -    | 2.00               |
| CO3     | 2    | 1    | 3    | -    | 1    | -    | -    | -   | 1    | 1    | 1.50               |
| CO4     | 2    | -    | -    | 3    | 1    | 1    | -    | -   | 1    | 2    | 1.67               |
| CO5     | 1    | -    | 1    | -    | -    | -    | 3    | -   | 1    | 1    | 1.40               |
| Average | 1.80 | 2.00 | 2.00 | 3.00 | 1.00 | 1.00 | 3.00 | -   | 1.00 | 1.33 | 1.91               |

Masters of Urban Planning

Semester-01

Course Title: Planning Techniques (34010103)

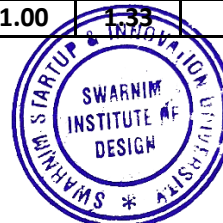
| CO/PO   | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7  | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|------|------|------|------|--------------------|
| CO1     | 3    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 3.00               |
| CO2     | -    | 3    | 1    | -    | -    | -    | -    | -    | -    | -    | 2.00               |
| CO3     | 1    | 2    | 3    | -    | -    | 1    | -    | 1    | 1    | 1    | 1.43               |
| CO4     | 2    | 1    | -    | 3    | 1    | 1    | -    | 1    | 1    | 2    | 1.50               |
| CO5     | 1    | -    | 1    | -    | 1    | -    | 3    | -    | 1    | 1    | 1.33               |
| Average | 1.75 | 2.00 | 1.67 | 3.00 | 1.00 | 1.00 | 3.00 | 1.00 | 1.00 | 1.33 | 1.85               |

Masters of Urban Planning

Semester-01

Course Title: Infrastructure and Transport Planning (34010104)

| CO/PO   | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7  | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|------|------|------|------|--------------------|
| CO1     | 3    | -    | -    | -    | -    | -    | -    | -    | 1    | -    | 2.00               |
| CO2     | 1    | 3    | -    | -    | 1    | -    | -    | 1    | -    | -    | 1.50               |
| CO3     | 2    | 1    | 3    | -    | 1    | 1    | -    | 1    | 1    | 1    | 1.38               |
| CO4     | 2    | -    | 1    | 3    | 1    | 1    | -    | 1    | 1    | 2    | 1.50               |
| CO5     | 1    | -    | 1    | -    | 1    | -    | 3    | -    | 1    | 1    | 1.33               |
| Average | 1.80 | 2.00 | 1.67 | 3.00 | 1.00 | 1.00 | 3.00 | 1.00 | 1.00 | 1.33 | 1.54               |



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Masters of Urban Planning

Semester-01

Course Title: Housing and Environmental Planning (34010105)

| CO/PO   | PO1  | PO2  | PO3  | PO4  | PO5  | PO6 | PO7  | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|------|-----|------|------|------|------|--------------------|
| CO1     | 3    | -    | -    | -    | -    | -   | -    | -    | 1    | -    | 2.00               |
| CO2     | 1    | 3    | 1    | -    | 1    | -   | -    | 1    | -    | -    | 1.40               |
| CO3     | -    | -    | 3    | 1    | 2    | -   | -    | 1    | 1    | 1    | 1.50               |
| CO4     | 2    | -    | 2    | 3    | 1    | -   | -    | -    | 1    | 2    | 1.83               |
| CO5     | 1    | -    | 1    | -    | 1    | -   | 3    | -    | -    | 1    | 1.40               |
| Average | 1.75 | 3.00 | 1.75 | 2.00 | 1.25 | -   | 3.00 | 1.00 | 1.00 | 1.33 | 1.63               |

Masters of Urban Planning

Semester-01

Course Title: Studio course (34010106)

| CO/PO   | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7  | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|------|------|------|------|--------------------|
| CO1     | 3    | -    | 1    | -    | 1    | -    | -    | 1    | 1    | -    | 1.40               |
| CO2     | 1    | 3    | 1    | -    | 1    | -    | -    | 1    | -    | 1    | 1.33               |
| CO3     | 2    | 1    | 3    | 1    | 1    | 1    | -    | 1    | 1    | 1    | 1.33               |
| CO4     | 1    | -    | 1    | 3    | 1    | 1    | -    | 1    | 1    | 1    | 1.25               |
| CO5     | 1    | -    | 1    | -    | 3    | -    | 3    | -    | 1    | 2    | 1.83               |
| Average | 1.60 | 2.00 | 1.40 | 2.00 | 1.40 | 1.00 | 3.00 | 1.00 | 1.00 | 1.25 | 1.43               |

Masters of Urban Planning

Semester-02

Course Title: City and Metropolitan Planning (34010201)

| CO/PO   | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7  | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|------|------|------|------|--------------------|
| CO1     | 3    | 1    | -    | -    | 1    | -    | -    | -    | 1    | -    | 1.50               |
| CO2     | 1    | 3    | 1    | -    | 1    | -    | -    | 1    | 1    | -    | 1.33               |
| CO3     | 1    | 1    | 3    | 1    | 1    | 1    | -    | -    | 1    | 1    | 1.25               |
| CO4     | -    | 1    | -    | 3    | -    | 1    | -    | 1    | 1    | 1    | 1.33               |
| CO5     | -    | -    | 1    | 1    | 3    | 1    | 3    | 1    | 1    | 2    | 1.63               |
| Average | 1.67 | 1.50 | 1.67 | 1.67 | 1.50 | 1.00 | 3.00 | 1.00 | 1.00 | 1.33 | 1.41               |

Masters of Urban Planning

Semester-02

Course Title: Infrastructure Planning (34010202)

| CO / PO | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7  | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|------|------|------|------|--------------------|
| CO1     | 2    | -    | -    | -    | 1    | -    | 1    | -    | -    | 1    | 1.25               |
| CO2     | -    | 1    | 1    | -    | 1    | -    | 1    | -    | -    | -    | 1                  |
| CO3     | 1    | -    | 2    | 1    | 2    | 1    | -    | -    | 1    | 1    | 1.29               |
| CO4     | -    | -    | 1    | 2    | 1    | 1    | -    | 1    | 1    | 1    | 1.14               |
| CO5     | -    | -    | -    | 1    | 2    | 1    | 2    | 1    | 1    | 2    | 1.43               |
| Average | 1.50 | 1.00 | 1.33 | 1.33 | 1.40 | 1.00 | 1.33 | 1.00 | 1.00 | 1.25 | 1.22               |



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## Masters of Urban Planning

Masters of Urban Planning

Semester-02

Course Title: Urban Heritage Conservation (34010203)

| CO / PO | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7  | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|------|------|------|------|--------------------|
| CO1     | 1    | -    | -    | -    | -    | -    | 1    | -    | -    | 2    | 1.33               |
| CO2     | 2    | 1    | -    | 1    | 1    | -    | 2    | 1    | -    | 1    | 1.29               |
| CO3     | 2    | -    | 2    | 2    | 2    | 1    | -    | 1    | 2    | 1    | 1.63               |
| CO4     | 1    | -    | 1    | 2    | -    | 1    | -    | 1    | 2    | -    | 1.33               |
| CO5     | -    | 2    | 1    | -    | 2    | 2    | 1    | 2    | 1    | 2    | 1.63               |
| Average | 1.50 | 1.50 | 1.33 | 1.67 | 1.67 | 1.33 | 1.33 | 1.25 | 1.67 | 1.50 | 1.44               |

Masters of Urban Planning

Semester-02

Course Title: Advanced Planning Techniques (34010204)

| CO / PO | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7  | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|------|------|------|------|--------------------|
| CO1     | 2    | 2    | 1    | -    | 1    | -    | 1    | -    | -    | 2    | 1.5                |
| CO2     | 1    | 3    | 1    | 1    | -    | -    | 2    | 1    | -    | 1    | 1.43               |
| CO3     | 2    | 1    | 2    | 2    | 2    | 1    | -    | 1    | 2    | -    | 1.63               |
| CO4     | -    | 2    | -    | 2    | 1    | -    | 1    | 1    | 2    | -    | 1.5                |
| CO5     | -    | 1    | 2    | 1    | 2    | 2    | 2    | 2    | 1    | 2    | 1.67               |
| Average | 1.67 | 1.80 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.25 | 1.67 | 1.67 | 1.55               |

Masters of Urban Planning

Semester-02

Course Title: Studio (34010205)

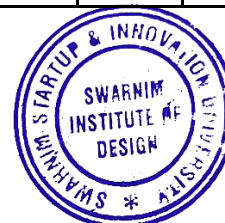
| CO \ PO | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7  | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|------|------|------|------|--------------------|
| CO1     | 3    | -    | 2    | -    | -    | -    | -    | -    | -    | -    | 2.5                |
| CO2     | -    | 3    | -    | 2    | -    | -    | -    | -    | -    | -    | 2.5                |
| CO3     | -    | -    | 3    | -    | 3    | 2    | -    | -    | -    | -    | 2.67               |
| CO4     | -    | 3    | -    | 2    | -    | -    | -    | -    | 2    | -    | 2.33               |
| CO5     | -    | -    | -    | -    | -    | 2    | 3    | 2    | -    | -    | 2.33               |
| Average | 3.00 | 3.00 | 2.50 | 2.00 | 3.00 | 2.00 | 3.00 | 2.00 | 2.00 | -    | 2.47               |

Masters of Urban Planning

Semester-02

Course Title: Inclusive Urban Planning (Elective – I) (34010206)

| CO / PO | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7  | PO8  | PO9 | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|------|------|-----|------|--------------------|
| CO1     | 2    | -    | 3    | -    | -    | 3    | 2    | -    | -   | -    | 2.50               |
| CO2     | -    | 3    | 3    | -    | -    | 3    | -    | -    | -   | -    | 3.00               |
| CO3     | -    | -    | 3    | 1    | 1    | 3    | 1    | -    | -   | -    | 1.80               |
| CO4     | -    | -    | 1    | 3    | 1    | 3    | -    | -    | -   | -    | 2.00               |
| CO5     | -    | -    | -    | 1    | 3    | 2    | 3    | 3    | -   | -    | 2.40               |
| Average | 2.00 | 3.00 | 2.50 | 1.67 | 1.67 | 2.80 | 2.00 | 3.00 | -   | -    | 2.34               |



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## Masters of Urban Planning

### Program Outcome - Course Outcome Matrix

Masters of Urban Planning

Semester-02

| CO / PO | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7  | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|------|------|------|------|--------------------|
| CO1     | 2    | 1    | 3    | -    | -    | 2    | 2    | -    | 1    | -    | 1.83               |
| CO2     | -    | 3    | 2    | 1    | -    | 2    | -    | -    | 2    | -    | 2.00               |
| CO3     | -    | 1    | 3    | 2    | 2    | 2    | 2    | -    | -    | -    | 2.00               |
| CO4     | -    | 2    | -    | 3    | -    | 3    | -    | -    | -    | -    | 2.67               |
| CO5     | 1    | 1    | 2    | 1    | 3    | 2    | 3    | 2    | 1    | -    | 1.78               |
| Average | 1.50 | 1.60 | 2.50 | 1.75 | 2.50 | 2.20 | 2.33 | 2.00 | 1.33 | -    | 2.06               |

Masters of Urban Planning

Semester-03

Course Title: Urban Development Management (34010301)

| CO / PO | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7  | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|------|------|------|------|--------------------|
| CO1     | 3    | -    | -    | -    | -    | -    | 1    | -    | -    | -    | 2.00               |
| CO2     | 2    | 3    | -    | -    | -    | 2    | 1    | -    | -    | -    | 2.00               |
| CO3     | 2    | 2    | 3    | 1    | -    | -    | 3    | -    | 2    | -    | 2.17               |
| CO4     | -    | -    | 1    | 3    | -    | 3    | -    | 1    | 2    | -    | 2.00               |
| CO5     | 2    | 2    | 2    | -    | 2    | -    | 3    | 3    | 2    | -    | 2.29               |
| Average | 2.25 | 2.33 | 2.00 | 2.00 | 2.00 | 2.50 | 2.00 | 2.00 | 2.00 | -    | 2.09               |

Masters of Urban Planning

Semester-03

Course Title: Project Planning and Management (34010302)

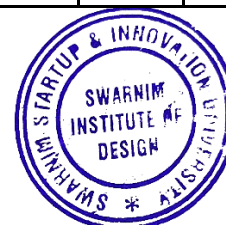
| CO / PO | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7  | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|------|------|------|------|--------------------|
| CO1     | 2    | -    | -    | -    | -    | -    | -    | -    | -    | -    | 2.00               |
| CO2     | 1    | 3    | 1    | 1    | -    | 1    | -    | -    | -    | -    | 1.40               |
| CO3     | -    | 3    | -    | -    | 1    | -    | 1    | -    | -    | -    | 1.67               |
| CO4     | 1    | -    | 2    | 3    | 1    | 2    | 1    | 2    | 1    | -    | 1.63               |
| CO5     | -    | 1    | -    | 2    | 3    | 1    | 3    | 3    | 1    | -    | 2.00               |
| Average | 1.33 | 2.33 | 1.50 | 2.00 | 1.67 | 1.33 | 1.67 | 2.50 | 1.00 | -    | 1.74               |

Masters of Urban Planning

Semester-03

Course Title: Urban Governance (34010303)

| CO / PO | PO1  | PO2 | PO3  | PO4  | PO5  | PO6  | PO7  | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|-----|------|------|------|------|------|------|------|------|--------------------|
| CO1     | 2    | -   | -    | 1    | -    | -    | 1    | -    | -    | -    | 1.33               |
| CO2     | 1    | -   | -    | 2    | 1    | 1    | 1    | 1    | -    | -    | 1.17               |
| CO3     | 1    | -   | 1    | 3    | 1    | 2    | 1    | 1    | -    | -    | 1.43               |
| CO4     | -    | -   | 2    | 3    | 2    | 2    | 1    | 2    | 1    | -    | 1.86               |
| CO5     | 1    | -   | 2    | 2    | 1    | 2    | 1    | 2    | 1    | -    | 1.50               |
| Average | 1.25 | -   | 1.67 | 2.20 | 1.25 | 1.75 | 1.00 | 1.50 | 1.00 | -    | 1.46               |



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## Masters of Urban Planning

### Program Outcome - Course Outcome Matrix

Masters of Urban Planning

Semester-03

| CO / PO | PO1  | PO2 | PO3  | PO4  | PO5  | PO6  | PO7  | PO8  | PO9 | PO10 | Overall CO Average |
|---------|------|-----|------|------|------|------|------|------|-----|------|--------------------|
| CO1     | 2    | -   | -    | 2    | -    | 1    | -    | -    | -   | -    | 1.67               |
| CO2     | 1    | -   | 1    | 3    | -    | 2    | 1    | -    | -   | -    | 1.60               |
| CO3     | 1    | -   | 1    | 3    | -    | 2    | 1    | -    | -   | -    | 1.60               |
| CO4     | -    | -   | 1    | 2    | 1    | 2    | -    | 1    | -   | -    | 1.40               |
| CO5     | 1    | -   | 1    | 2    | -    | 1    | 1    | -    | -   | -    | 1.20               |
| Average | 1.25 | -   | 1.00 | 2.40 | 1.00 | 1.60 | 1.00 | 1.00 | -   | -    | 1.49               |

Masters of Urban Planning

Semester-03

Course Title: Studio (34010305)

| CO / PO | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7  | PO8  | PO9 | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|------|------|-----|------|--------------------|
| CO1     | 2    | 3    | 1    | 1    | -    | -    | -    | -    | -   | -    | 1.75               |
| CO2     | 3    | 2    | 2    | 2    | 1    | -    | -    | -    | -   | -    | 2.00               |
| CO3     | 2    | 2    | 3    | 2    | 1    | -    | -    | -    | -   | -    | 2.00               |
| CO4     | 1    | -    | 1    | 1    | 3    | -    | 2    | 2    | -   | -    | 1.67               |
| CO5     | 1    | 1    | 2    | 2    | 1    | 3    | -    | 1    | -   | -    | 1.57               |
| Average | 1.80 | 2.00 | 1.80 | 1.60 | 1.50 | 3.00 | 2.00 | 1.50 | -   | -    | 1.80               |

Masters of Urban Planning

Semester-03

Course Title: Environment, Development and Disaster Management (Elective – II) (34010306)

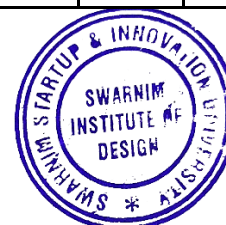
| CO / PO | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7  | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|------|------|------|------|------|------|--------------------|
| CO1     | 3    | -    | 3    | 1    | -    | -    | -    | -    | 2    | -    | 2.25               |
| CO2     | 2    | 3    | 3    | 1    | -    | -    | -    | -    | 1    | -    | 2.00               |
| CO3     | 2    | 2    | 3    | 2    | -    | 3    | -    | -    | 2    | 2    | 2.29               |
| CO4     | -    | 1    | 2    | 3    | -    | 2    | 1    | -    | -    | -    | 1.80               |
| CO5     | -    | -    | -    | 1    | 2    | 2    | 3    | 1    | -    | -    | 1.80               |
| Average | 2.33 | 2.00 | 2.75 | 1.60 | 2.00 | 2.33 | 2.00 | 1.00 | 1.67 | 2.00 | 2.03               |

Masters of Urban Planning

Semester-03

Course Title: Energy, Climate Change and Urban Development (Elective – II) (34010306)

| CO / PO | PO1  | PO2 | PO3  | PO4  | PO5  | PO6  | PO7  | PO8 | PO9  | PO10 | Overall CO Average |
|---------|------|-----|------|------|------|------|------|-----|------|------|--------------------|
| CO1     | 2    | -   | 3    | 1    | -    | -    | -    | -   | 3    | -    | 2.25               |
| CO2     | 1    | -   | 3    | 1    | -    | -    | -    | -   | 2    | 2    | 1.80               |
| CO3     | 3    | -   | 3    | 2    | 1    | -    | -    | -   | 3    | 2    | 2.33               |
| CO4     | 1    | -   | 2    | 3    | -    | 1    | -    | -   | 1    | -    | 1.60               |
| CO5     | -    | -   | 1    | -    | -    | 2    | 3    | -   | 1    | -    | 1.75               |
| Average | 1.75 | -   | 2.40 | 1.75 | 1.00 | 1.50 | 3.00 | -   | 2.00 | 2.00 | 1.95               |



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## Masters of Urban Planning

### Program Outcome - Course Outcome Matrix

Masters of Urban Planning

Semester-04

| CO / PO | PO1  | PO2  | PO3  | PO4  | PO5 | PO6 | PO7 | PO8  | PO9  | PO10 | Overall CO Average |
|---------|------|------|------|------|-----|-----|-----|------|------|------|--------------------|
| CO1     | 2    | -    | 1    | -    | -   | -   | -   | -    | -    | -    | 1.50               |
| CO2     | -    | 1    | 2    | 2    | -   | -   | -   | 2    | -    | -    | 1.75               |
| CO3     | -    | 2    | 3    | 2    | -   | -   | -   | 2    | 1    | -    | 2.00               |
| CO4     | -    | 1    | 3    | 3    | -   | -   | -   | 2    | 2    | -    | 2.20               |
| CO5     | -    | -    | 2    | 3    | -   | -   | -   | 1    | 1    | -    | 1.75               |
| Average | 2.00 | 1.33 | 2.20 | 2.50 | -   | -   | -   | 1.75 | 1.33 | -    | 1.84               |

Masters of Urban Planning

Semester-04

Course Title: Legal Issues and Professional Practice (34010402)

| CO / PO | PO1  | PO2  | PO3 | PO4  | PO5 | PO6  | PO7  | PO8  | PO9 | PO10 | Overall CO Average |
|---------|------|------|-----|------|-----|------|------|------|-----|------|--------------------|
| CO1     | 3    | 1    | -   | 3    | -   | 1    | -    | -    | -   | -    | 2.00               |
| CO2     | 2    | 2    | -   | 3    | -   | 1    | -    | -    | -   | -    | 2.00               |
| CO3     | 1    | -    | -   | 2    | -   | 3    | 1    | -    | -   | -    | 1.75               |
| CO4     | 1    | 1    | -   | 3    | -   | 2    | 1    | -    | -   | -    | 1.60               |
| CO5     | -    | -    | -   | 1    | -   | 2    | 2    | 2    | -   | -    | 1.75               |
| Average | 1.75 | 1.33 | -   | 2.40 | -   | 1.80 | 1.33 | 2.00 | -   | -    | 1.82               |

Masters of Urban Planning

Semester-04

Course Title: Thesis (34010403)

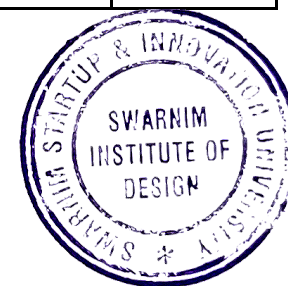
| CO / PO | PO1  | PO2  | PO3  | PO4  | PO5 | PO6  | PO7  | PO8 | PO9 | PO10 | Overall CO Average |
|---------|------|------|------|------|-----|------|------|-----|-----|------|--------------------|
| CO1     | 3    | 1    | -    | 2    | -   | -    | -    | -   | -   | 2    | 2.00               |
| CO2     | 2    | 3    | 1    | 1    | -   | -    | -    | -   | -   | 1    | 1.60               |
| CO3     | 1    | 3    | 2    | -    | -   | -    | -    | -   | -   | 1    | 1.75               |
| CO4     | 2    | 2    | 3    | 1    | -   | 1    | -    | -   | -   | 2    | 1.83               |
| CO5     | -    | 1    | -    | -    | -   | 1    | 3    | -   | -   | 2    | 1.75               |
| Average | 2.00 | 2.00 | 2.00 | 1.33 | -   | 1.00 | 3.00 | -   | -   | 1.60 | 1.79               |



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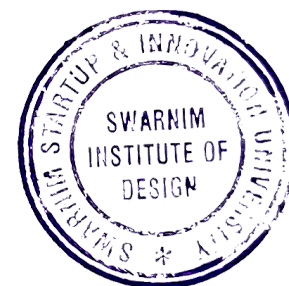
| SWARRNIM INSTITUTE OF DESIGN              |             |      |                          |                                                                             |                                  |                  |                |                           |
|-------------------------------------------|-------------|------|--------------------------|-----------------------------------------------------------------------------|----------------------------------|------------------|----------------|---------------------------|
| Masters of Urban Planning Batch 2023-2024 |             |      |                          |                                                                             |                                  |                  |                |                           |
| Course Outcome Attainment Level           |             |      |                          |                                                                             |                                  |                  |                |                           |
| Course                                    | Course Code | Exam | No. of Students appeared | No. of Students scoring more than 25/50 marks (in internal & external exam) | % students scoring defined marks | Attainment level | Weighted Score | Course Outcome attainment |
| M.Plan Semester-01 AY 2023-2024           |             |      |                          |                                                                             |                                  |                  |                |                           |
| Planning History and Theory               | 34010101    | INT  | 27                       | 27                                                                          | 100.00                           | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 27                       | 26                                                                          | 96.30                            | 3                | 2.4            |                           |
| Socio-economic basis for Planning         | 34010102    | INT  | 27                       | 27                                                                          | 100.00                           | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 27                       | 26                                                                          | 96.30                            | 3                | 2.4            |                           |
| Planning Techniques                       | 34010103    | INT  | 27                       | 27                                                                          | 100.00                           | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 27                       | 26                                                                          | 96.30                            | 3                | 2.4            |                           |
| Infrastructure and Transport Planning     | 34010104    | INT  | 27                       | 27                                                                          | 100.00                           | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 27                       | 26                                                                          | 96.30                            | 3                | 2.4            |                           |
| Housing and Environmental Planning        | 34010105    | INT  | 27                       | 27                                                                          | 100.00                           | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 27                       | 26                                                                          | 96.30                            | 3                | 2.4            |                           |
| Studio course                             | 34010106    | INT  | 27                       | 27                                                                          | 100.00                           | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 27                       | 26                                                                          | 96.30                            | 3                | 2.4            |                           |

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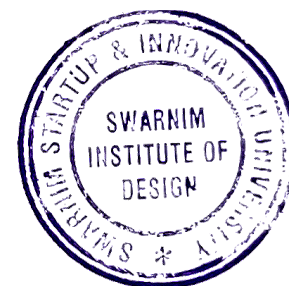
| SWARRNIM INSTITUTE OF DESIGN              |             |      |                          |                                                                             |                                  |                  |                |                           |
|-------------------------------------------|-------------|------|--------------------------|-----------------------------------------------------------------------------|----------------------------------|------------------|----------------|---------------------------|
| Masters of Urban Planning Batch 2023-2024 |             |      |                          |                                                                             |                                  |                  |                |                           |
| Course Outcome Attainment Level           |             |      |                          |                                                                             |                                  |                  |                |                           |
| Course                                    | Course Code | Exam | No. of Students appeared | No. of Students scoring more than 25/50 marks (in internal & external exam) | % students scoring defined marks | Attainment level | Weighted Score | Course Outcome attainment |
| M.Plan Semester-02 AY 2023-2024           |             |      |                          |                                                                             |                                  |                  |                |                           |
| City and Metropolitan Planning            | 34010201    | INT  | 26                       | 24                                                                          | 92.31                            | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 26                       | 24                                                                          | 92.31                            | 3                | 2.4            |                           |
| Infrastructure Planning                   | 34010202    | INT  | 26                       | 24                                                                          | 92.31                            | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 26                       | 24                                                                          | 92.31                            | 3                | 2.4            |                           |
| Urban Heritage Conservation               | 34010203    | INT  | 26                       | 24                                                                          | 92.31                            | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 26                       | 24                                                                          | 92.31                            | 3                | 2.4            |                           |
| Advanced Planning Techniques              | 34010204    | INT  | 26                       | 24                                                                          | 92.31                            | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 26                       | 24                                                                          | 92.31                            | 3                | 2.4            |                           |
| Studio course                             | 34010205    | INT  | 26                       | 24                                                                          | 92.31                            | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 26                       | 24                                                                          | 92.31                            | 3                | 2.4            |                           |
| Elective-I                                | 34010206    | INT  | 26                       | 26                                                                          | 100.00                           | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 26                       | 26                                                                          | 100.00                           | 3                | 2.4            |                           |

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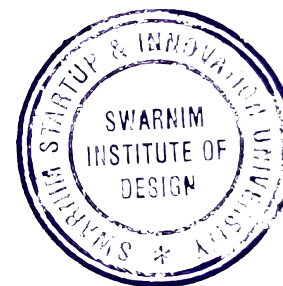


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| Masters of Urban Planning Batch 2023-2024 |             |      |                          |                                                                             |                                  |                  |                |                           |
| Course Outcome Attainment Level           |             |      |                          |                                                                             |                                  |                  |                |                           |
| Course                                    | Course Code | Exam | No. of Students appeared | No. of Students scoring more than 25/50 marks (in internal & external exam) | % students scoring defined marks | Attainment level | Weighted Score | Course Outcome attainment |
| M.Plan Semester-03 AY 2023-2024           |             |      |                          |                                                                             |                                  |                  |                |                           |
| Urban Development Management              | 34010301    | INT  | 26                       | 25                                                                          | 96.15                            | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 26                       | 24                                                                          | 92.31                            | 3                | 2.4            |                           |
| Project Planning and Management           | 34010302    | INT  | 26                       | 25                                                                          | 96.15                            | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 26                       | 24                                                                          | 92.31                            | 3                | 2.4            |                           |
| Urban Governance                          | 34010303    | INT  | 26                       | 25                                                                          | 96.15                            | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 26                       | 24                                                                          | 92.31                            | 3                | 2.4            |                           |
| Politics and Planning                     | 34010304    | INT  | 26                       | 25                                                                          | 96.15                            | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 26                       | 24                                                                          | 92.31                            | 3                | 2.4            |                           |
| Studio course                             | 34010305    | INT  | 26                       | 25                                                                          | 96.15                            | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 26                       | 24                                                                          | 92.31                            | 3                | 2.4            |                           |
| Elective-II                               | 34010306    | INT  | 26                       | 25                                                                          | 96.15                            | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 26                       | 24                                                                          | 92.31                            | 3                | 2.4            |                           |

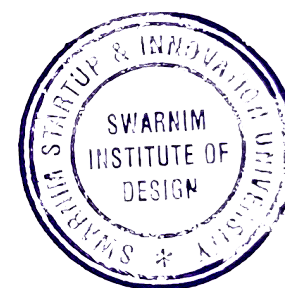
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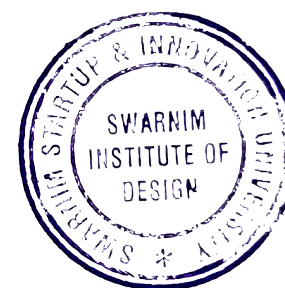
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| Masters of Urban Planning Batch 2021-2022 |             |      |                          |                                                                             |                                  |                  |                |                           |
| Course Outcome Attainment Level           |             |      |                          |                                                                             |                                  |                  |                |                           |
| Course                                    | Course Code | Exam | No. of Students appeared | No. of Students scoring more than 25/50 marks (in internal & external exam) | % students scoring defined marks | Attainment level | Weighted Score | Course Outcome attainment |
| M.Plan Semester-01 AY 2021-2022           |             |      |                          |                                                                             |                                  |                  |                |                           |
| Planning History and Theory               | 34010101    | INT  | 5                        | 5                                                                           | 100.00                           | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 5                        | 5                                                                           | 100.00                           | 3                | 2.4            |                           |
| Socio-economic basis for Planning         | 34010102    | INT  | 5                        | 5                                                                           | 100.00                           | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 5                        | 5                                                                           | 100.00                           | 3                | 2.4            |                           |
| Planning Techniques                       | 34010103    | INT  | 5                        | 5                                                                           | 100.00                           | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 5                        | 5                                                                           | 100.00                           | 3                | 2.4            |                           |
| Infrastructure and Transport Planning     | 34010104    | INT  | 5                        | 5                                                                           | 100.00                           | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 5                        | 5                                                                           | 100.00                           | 3                | 2.4            |                           |
| Housing and Environmental Planning        | 34010105    | INT  | 5                        | 5                                                                           | 100.00                           | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 5                        | 5                                                                           | 100.00                           | 3                | 2.4            |                           |
| Studio course                             | 34010106    | INT  | 5                        | 5                                                                           | 100.00                           | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 5                        | 5                                                                           | 100.00                           | 3                | 2.4            |                           |



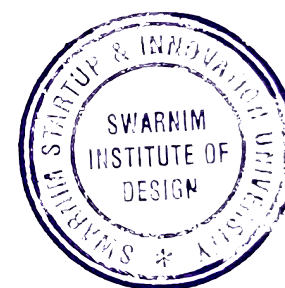
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| Masters of Urban Planning Batch 2021-2022 |             |      |                          |                                                                             |                                  |                  |                |                           |
| Course Outcome Attainment Level           |             |      |                          |                                                                             |                                  |                  |                |                           |
| Course                                    | Course Code | Exam | No. of Students appeared | No. of Students scoring more than 25/50 marks (in internal & external exam) | % students scoring defined marks | Attainment level | Weighted Score | Course Outcome attainment |
| M.Plan Semester-02 AY 2021-2022           |             |      |                          |                                                                             |                                  |                  |                |                           |
| City and Metropolitan Planning            | 34010201    | INT  | 5                        | 5                                                                           | 100.00                           | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 5                        | 5                                                                           | 100.00                           | 3                | 2.4            |                           |
| Infrastructure Planning                   | 34010202    | INT  | 5                        | 5                                                                           | 100.00                           | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 5                        | 5                                                                           | 100.00                           | 3                | 2.4            |                           |
| Urban Heritage Conservation               | 34010203    | INT  | 5                        | 5                                                                           | 100.00                           | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 5                        | 5                                                                           | 100.00                           | 3                | 2.4            |                           |
| Advanced Planning Techniques              | 34010204    | INT  | 5                        | 5                                                                           | 100.00                           | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 5                        | 5                                                                           | 100.00                           | 3                | 2.4            |                           |
| Studio course                             | 34010205    | INT  | 5                        | 5                                                                           | 100.00                           | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 5                        | 5                                                                           | 100.00                           | 3                | 2.4            |                           |
| Elective-I                                | 34010206    | INT  | 5                        | 5                                                                           | 100.00                           | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 5                        | 5                                                                           | 100.00                           | 3                | 2.4            |                           |



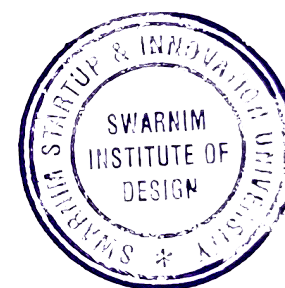
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| Masters of Urban Planning Batch 2021-2022 |             |      |                          |                                                                             |                                  |                  |                |                           |
| Course Outcome Attainment Level           |             |      |                          |                                                                             |                                  |                  |                |                           |
| Course                                    | Course Code | Exam | No. of Students appeared | No. of Students scoring more than 25/50 marks (in internal & external exam) | % students scoring defined marks | Attainment level | Weighted Score | Course Outcome attainment |
| M.Plan Semester-03 AY 2022-2023           |             |      |                          |                                                                             |                                  |                  |                |                           |
| Urban Development Management              | 34010301    | INT  | 5                        | 5                                                                           | 100.00                           | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 5                        | 5                                                                           | 100.00                           | 3                | 2.4            |                           |
| Project Planning and Management           | 34010302    | INT  | 5                        | 5                                                                           | 100.00                           | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 5                        | 5                                                                           | 100.00                           | 3                | 2.4            |                           |
| Urban Governance                          | 34010303    | INT  | 5                        | 5                                                                           | 100.00                           | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 5                        | 5                                                                           | 100.00                           | 3                | 2.4            |                           |
| Politics and Planning                     | 34010304    | INT  | 5                        | 5                                                                           | 100.00                           | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 5                        | 5                                                                           | 100.00                           | 3                | 2.4            |                           |
| Studio course                             | 34010305    | INT  | 5                        | 5                                                                           | 100.00                           | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 5                        | 5                                                                           | 100.00                           | 3                | 2.4            |                           |
| Elective-II                               | 34010306    | INT  | 5                        | 5                                                                           | 100.00                           | 3                | 0.6            | 3                         |
|                                           |             | EXT  | 5                        | 5                                                                           | 100.00                           | 3                | 2.4            |                           |



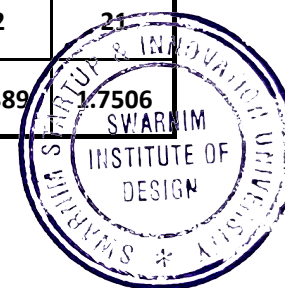
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| Course Outcome Attainment Level           |             |      |                             |                                                                                         |                                     |                  |                |                              |
| Course                                    | Course Code | Exam | No. of Students<br>appeared | No. of Students<br>scoring more than<br>25/50 marks (in<br>internal & external<br>exam) | % students scoring<br>defined marks | Attainment level | Weighted Score | Course Outcome<br>attainment |
| M.Plan Semester-04 AY 2022-2023           |             |      |                             |                                                                                         |                                     |                  |                |                              |
| Development Finance                       | 34010401    | INT  | 5                           | 5                                                                                       | 100.00                              | 3                | 0.6            | 3                            |
|                                           |             | EXT  | 5                           | 5                                                                                       | 100.00                              | 3                | 2.4            |                              |
| Legal Issues and<br>Professional Practice | 34010402    | INT  | 5                           | 5                                                                                       | 100.00                              | 3                | 0.6            | 3                            |
|                                           |             | EXT  | 5                           | 5                                                                                       | 100.00                              | 3                | 2.4            |                              |
| Thesis                                    | 34010403    | INT  | 5                           | 5                                                                                       | 100.00                              | 3                | 0.6            | 3                            |
|                                           |             | EXT  | 5                           | 5                                                                                       | 100.00                              | 3                | 2.4            |                              |



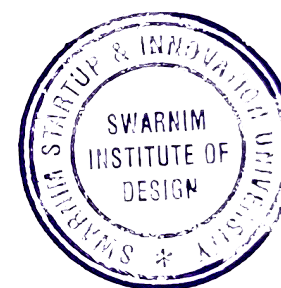
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| Program Outcome Attainment Level          |       |       |       |       |      |      |       |      |      |      |
| Course code                               | PO1   | PO2   | PO3   | PO4   | PO5  | PO6  | PO7   | PO8  | PO9  | PO10 |
| 34010101                                  | 0.53  | 0.67  | 0.67  | 1.00  | 0.33 | -    | 1.00  | -    | 0.33 | 0.44 |
| 34010102                                  | 0.60  | 0.67  | 0.67  | 1.00  | 0.33 | 0.33 | 1.00  | -    | 0.33 | 0.44 |
| 34010103                                  | 0.58  | 0.67  | 0.56  | 1.00  | 0.33 | 0.33 | 1.00  | 0.33 | 0.33 | 0.44 |
| 34010104                                  | 0.60  | 0.67  | 0.56  | 1.00  | 0.33 | 0.33 | 1.00  | 0.33 | 0.33 | 0.44 |
| 34010105                                  | 0.58  | 1.00  | 0.58  | 0.67  | 0.42 | -    | 1.00  | 0.33 | 0.33 | 0.44 |
| 34010106                                  | 0.53  | 0.67  | 0.47  | 0.67  | 0.47 | 0.33 | 1.00  | 0.33 | 0.33 | 0.42 |
| 34010201                                  | 0.56  | 0.50  | 0.56  | 0.56  | 0.50 | 0.33 | 1.00  | 0.33 | 0.33 | 0.44 |
| 34010202                                  | 0.50  | 0.33  | 0.44  | 0.44  | 0.47 | 0.33 | 0.44  | 0.33 | 0.33 | 0.42 |
| 34010203                                  | 0.50  | 0.50  | 0.44  | 0.56  | 0.56 | 0.44 | 0.44  | 0.42 | 0.56 | 0.50 |
| 34010204                                  | 0.56  | 0.60  | 0.50  | 0.50  | 0.50 | 0.50 | 0.50  | 0.42 | 0.56 | 0.56 |
| 34010205                                  | 1.00  | 1.00  | 0.83  | 0.67  | 1.00 | 0.67 | 1.00  | 0.67 | 0.67 | -    |
| 34010206                                  | 0.67  | 1.00  | 0.83  | 0.56  | 0.56 | 0.93 | 0.67  | 1.00 | -    | -    |
| 34010301                                  | 0.75  | 0.78  | 0.67  | 0.67  | 0.67 | 0.83 | 0.67  | 0.67 | 0.67 | -    |
| 34010302                                  | 0.44  | 0.78  | 0.50  | 0.67  | 0.56 | 0.44 | 0.56  | 0.83 | 0.33 | -    |
| 34010303                                  | 0.42  | -     | 0.56  | 0.73  | 0.42 | 0.58 | 0.33  | 0.50 | 0.33 | -    |
| 34010304                                  | 0.42  | -     | 0.33  | 0.80  | 0.33 | 0.53 | 0.33  | 0.33 | -    | -    |
| 34010305                                  | 0.60  | 0.67  | 0.60  | 0.53  | 0.50 | 1.00 | 0.67  | 0.50 | -    | -    |
| 34010306                                  | 0.78  | 0.67  | 0.92  | 0.53  | 0.67 | 0.78 | 0.67  | 0.33 | 0.56 | 0.67 |
| 34010401                                  | 0.67  | 0.44  | 0.73  | 0.83  | -    | -    | -     | 0.58 | 0.44 | -    |
| 34010402                                  | 0.58  | 0.44  | -     | 0.80  | -    | 0.60 | 0.44  | 0.67 | -    | -    |
| 34010403                                  | 0.67  | 0.67  | 0.67  | 0.44  | -    | 0.33 | 1.00  | -    | -    | 0.53 |
| SUM OF PO                                 | 12.53 | 12.71 | 12.08 | 14.62 | 8.93 | 9.65 | 14.72 | 8.92 | 6.78 | 5.76 |
| COUNT OF PO                               | 21    | 19    | 20    | 21    | 18   | 18   | 20    | 18   | 16   | 12   |
| DIRECT TARGET (AVG)                       | 0.60  | 0.67  | 0.60  | 0.70  | 0.50 | 0.54 | 0.74  | 0.50 | 0.42 | 0.48 |
| ATTAINMENT OF PO DIRECT                   | 1.79  | 2.01  | 1.81  | 2.09  | 1.49 | 1.61 | 2.21  | 1.49 | 1.27 | 1.44 |
| 80% OF DIRECT ATT                         | 1.43  | 1.61  | 1.45  | 1.67  | 1.19 | 1.29 | 1.77  | 1.19 | 1.02 | 1.15 |
| 20% OF INDIRECT ATTAINMENT                | 0.49  | 0.51  | 0.51  | 0.41  | 0.40 | 0.43 | 0.48  | 0.48 | 0.53 | 0.49 |
| TOTAL                                     | 1.92  | 2.11  | 1.96  | 2.08  | 1.59 | 1.71 | 2.24  | 1.67 | 1.54 | 1.65 |



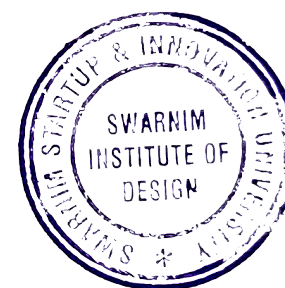
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| Masters of Urban Planning Batch 2021-2022 |        |        |        |        |        |        |        |        |        |        |                    |
| Program Outcome Attainment Level          |        |        |        |        |        |        |        |        |        |        |                    |
| Course code                               | PO1    | PO2    | PO3    | PO4    | PO5    | PO6    | PO7    | PO8    | PO9    | PO10   | Overall CO Average |
| 34010101                                  | 1.60   | 2.00   | 2.00   | 3.00   | 1.00   | -      | 3.00   | -      | 1.00   | 1.33   | 1.92               |
| 34010102                                  | 1.80   | 2.00   | 2.00   | 3.00   | 1.00   | 1.00   | 3.00   | -      | 1.00   | 1.33   | 1.91               |
| 34010103                                  | 1.75   | 2.00   | 1.67   | 3.00   | 1.00   | 1.00   | 3.00   | 1.00   | 1.00   | 1.33   | 1.85               |
| 34010104                                  | 1.80   | 2.00   | 1.67   | 3.00   | 1.00   | 1.00   | 3.00   | 1.00   | 1.00   | 1.33   | 1.54               |
| 34010105                                  | 1.75   | 3.00   | 1.75   | 2.00   | 1.25   | -      | 3.00   | 1.00   | 1.00   | 1.33   | 1.63               |
| 34010106                                  | 1.60   | 2.00   | 1.40   | 2.00   | 1.40   | 1.00   | 3.00   | 1.00   | 1.00   | 1.25   | 1.43               |
| 34010201                                  | 1.67   | 1.50   | 1.67   | 1.67   | 1.50   | 1.00   | 3.00   | 1.00   | 1.00   | 1.33   | 1.41               |
| 34010202                                  | 1.50   | 1.00   | 1.33   | 1.33   | 1.40   | 1.00   | 1.33   | 1.00   | 1.00   | 1.25   | 1.22               |
| 34010203                                  | 1.50   | 1.50   | 1.33   | 1.67   | 1.67   | 1.33   | 1.33   | 1.25   | 1.67   | 1.50   | 1.44               |
| 34010204                                  | 1.67   | 1.80   | 1.50   | 1.50   | 1.50   | 1.50   | 1.50   | 1.25   | 1.67   | 1.67   | 1.55               |
| 34010205                                  | 3.00   | 3.00   | 2.50   | 2.00   | 3.00   | 2.00   | 3.00   | 2.00   | 2.00   | -      | 2.47               |
| 34010206                                  | 2.00   | 3.00   | 2.50   | 1.67   | 1.67   | 2.80   | 2.00   | 3.00   | -      | -      | 2.34               |
| 34010301                                  | 2.25   | 2.33   | 2.00   | 2.00   | 2.00   | 2.50   | 2.00   | 2.00   | 2.00   | -      | 2.09               |
| 34010302                                  | 1.33   | 2.33   | 1.50   | 2.00   | 1.67   | 1.33   | 1.67   | 2.50   | 1.00   | -      | 1.74               |
| 34010303                                  | 1.25   | -      | 1.67   | 2.20   | 1.25   | 1.75   | 1.00   | 1.50   | 1.00   | -      | 1.46               |
| 34010304                                  | 1.25   | -      | 1.00   | 2.40   | 1.00   | 1.60   | 1.00   | 1.00   | -      | -      | 1.49               |
| 34010305                                  | 1.80   | 2.00   | 1.80   | 1.60   | 1.50   | 3.00   | 2.00   | 1.50   | -      | -      | 1.80               |
| 34010306                                  | 2.33   | 2.00   | 2.75   | 1.60   | 2.00   | 2.33   | 2.00   | 1.00   | 1.67   | 2.00   | 2.03               |
| 34010401                                  | 2.00   | 1.33   | 2.20   | 2.50   | -      | -      | -      | 1.75   | 1.33   | -      | 1.84               |
| 34010402                                  | 1.75   | 1.33   | -      | 2.40   | -      | 1.80   | 1.33   | 2.00   | -      | -      | 1.82               |
| 34010403                                  | 2.00   | 2.00   | 2.00   | 1.33   | -      | 1.00   | 3.00   | -      | -      | 1.60   | 1.79               |
| AVERAGE ATTAINMENT                        | 1.79   | 2.01   | 1.81   | 2.09   | 1.49   | 1.61   | 2.21   | 1.49   | 1.27   | 1.44   | 1.75               |
| TOTAL                                     | 37.60  | 38.13  | 36.23  | 43.87  | 26.80  | 28.95  | 44.17  | 26.75  | 20.33  | 17.27  | 36.76              |
| COUNT                                     | 21     | 19     | 20     | 21     | 18     | 18     | 20     | 18     | 16     | 12     | 21                 |
| AVERAGE ATTAINMENT                        | 1.7905 | 2.0070 | 1.8117 | 2.0889 | 1.4889 | 1.6083 | 2.2083 | 1.4861 | 1.2708 | 1.4389 | 1.7506             |



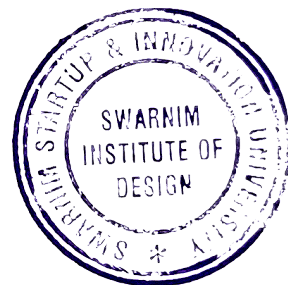
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| Masters of Urban Planning   |                |                                                                                |                |                                                                                                                                                                |                                                                                                                      |                                                                                                                                   |                                                                                                                        |                                                                                                                    |                                                                                                              |
| Employer survey 2022-2023   |                |                                                                                |                |                                                                                                                                                                |                                                                                                                      |                                                                                                                                   |                                                                                                                        |                                                                                                                    |                                                                                                              |
| Sr.No                       | Name           | Email                                                                          | Mobile         | Please rate the extent to which the program helped you achieve the following outcomes, using a scale of:<br>1 = Not well   2 = Moderately well   3 = Very well |                                                                                                                      |                                                                                                                                   |                                                                                                                        | Please rate the                                                                                                    |                                                                                                              |
|                             |                |                                                                                |                | Demonstrates strong foundational knowledge in urban planning principles, theories, and sectoral practices (e.g., land use, housing, environment). (PO1)        | Applies analytical and research tools such as GIS, data analysis, and spatial planning techniques effectively. (PO2) | Provides sustainable, inclusive, and resilient planning solutions that reflect current environmental and social priorities. (PO3) | Shows understanding of urban policy frameworks and contributes to planning and policy-related tasks effectively. (PO4) | Works collaboratively in multidisciplinary teams and integrates diverse perspectives into planning projects. (PO5) | Upholds ethical standards and demonstrates accountability and responsibility in professional settings. (PO6) |
| 1                           | HCP            | <a href="mailto:info@hcp.in">info@hcp.in</a>                                   | 9974324545     | 3                                                                                                                                                              | 3                                                                                                                    | 3                                                                                                                                 | 1                                                                                                                      | 2                                                                                                                  | 1                                                                                                            |
| 2                           | interior.inc   | <a href="mailto:inquir@interior.mail">inquir@interior.mail</a>                 | 9727870376     | 1                                                                                                                                                              | 3                                                                                                                    | 2                                                                                                                                 | 3                                                                                                                      | 2                                                                                                                  | 2                                                                                                            |
| 3                           | Studio pvt ltd | <a href="mailto:customerrelations@studio.inc">customerrelations@studio.inc</a> | 9824367225     | 3                                                                                                                                                              | 3                                                                                                                    | 1                                                                                                                                 | 2                                                                                                                      | 1                                                                                                                  | 2                                                                                                            |
|                             |                |                                                                                | <b>Average</b> | <b>2.33</b>                                                                                                                                                    | <b>3.00</b>                                                                                                          | <b>2.00</b>                                                                                                                       | <b>2.00</b>                                                                                                            | <b>1.67</b>                                                                                                        | <b>1.67</b>                                                                                                  |



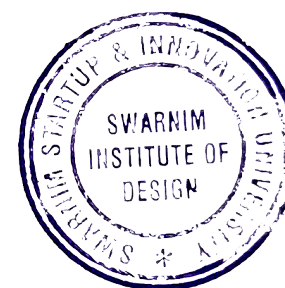
| SWARNIM INSTITUTE OF DESIGN |                |                                                                                |                |                                                                                                                                                |                                                                                                            |                                                                                                                       |                                                                                                                            |
|-----------------------------|----------------|--------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Masters of Urban Planning   |                |                                                                                |                |                                                                                                                                                |                                                                                                            |                                                                                                                       |                                                                                                                            |
| Employer survey 2022-2023   |                |                                                                                |                |                                                                                                                                                |                                                                                                            |                                                                                                                       |                                                                                                                            |
| Sr.No                       | Name           | Email                                                                          | Mobile         | extent to which the program helped you achieve the following outcomes, using a scale of:<br>1 = Not well   2 = Moderately well   3 = Very well |                                                                                                            |                                                                                                                       |                                                                                                                            |
|                             |                |                                                                                |                | Communicates planning concepts and proposals clearly in both written and verbal forms to internal and external stakeholders. (PO7)             | Demonstrates leadership and organizational skills in managing tasks, teams, or planning initiatives. (PO8) | Balances international best practices with context-specific solutions tailored to local or regional conditions. (PO9) | Shows initiative in learning new tools, staying informed about industry trends, and applying innovative approaches. (PO10) |
| 1                           | HCP            | <a href="mailto:info@hcp.in">info@hcp.in</a>                                   | 9974324545     | 2                                                                                                                                              | 3                                                                                                          | 3                                                                                                                     | 2                                                                                                                          |
| 2                           | interior.inc   | <a href="mailto:inquir@interior.mail">inquir@interior.mail</a>                 | 9727870376     | 3                                                                                                                                              | 2                                                                                                          | 2                                                                                                                     | 3                                                                                                                          |
| 3                           | Studio pvt ltd | <a href="mailto:customerrelations@studio.inc">customerrelations@studio.inc</a> | 9824367225     | 2                                                                                                                                              | 3                                                                                                          | 3                                                                                                                     | 3                                                                                                                          |
|                             |                |                                                                                | <b>Average</b> | <b>2.33</b>                                                                                                                                    | <b>2.67</b>                                                                                                | <b>2.67</b>                                                                                                           | <b>2.67</b>                                                                                                                |



| SWARNIM INSTITUTE OF DESIGN   |                             |                                                                          |                |                                                                                                                                                                                |                                                                                                                                          |                                                                                                     |                                                                                                                                                                   |                                                                                                               |
|-------------------------------|-----------------------------|--------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Masters of Urban Planning     |                             |                                                                          |                |                                                                                                                                                                                |                                                                                                                                          |                                                                                                     |                                                                                                                                                                   |                                                                                                               |
| Student exit survey 2022-2023 |                             |                                                                          |                |                                                                                                                                                                                |                                                                                                                                          |                                                                                                     |                                                                                                                                                                   |                                                                                                               |
| Sr.No                         | Name                        | Email                                                                    | Mobile         | Please rate the extent to which the program helped you achieve the following outcomes, using a scale of:<br>1 = Not well   2 = Moderately well   3 = Very well                 |                                                                                                                                          |                                                                                                     |                                                                                                                                                                   |                                                                                                               |
|                               |                             |                                                                          |                | Demonstrate a comprehensive understanding of planning principles, theories, and practices across sectors such as land use, housing, transportation, and the environment. (PO1) | Apply analytical and research skills using tools like GIS, remote sensing, and data analysis to address urban and regional issues. (PO2) | Design planning solutions that promote sustainability, inclusiveness, and climate resilience. (PO3) | Contribute effectively to the formulation and implementation of urban and regional policies, understanding their socio-political and economic implications. (PO4) | Work collaboratively in interdisciplinary teams to develop integrated and holistic planning strategies. (PO5) |
| 1                             | SHAIKH ASEEM RIYAZAHMAD     | <a href="mailto:MR.ASIMSHAIKH@GMAIL.COM">MR.ASIMSHAIKH@GMAIL.COM</a>     | 8128371511     | 2                                                                                                                                                                              | 2                                                                                                                                        | 3                                                                                                   | 2                                                                                                                                                                 | 3                                                                                                             |
| 2                             | MISTRY PRASHANT MUKESHBHAI  | <a href="mailto:MISTRYPRASHANT.141@GMAIL">MISTRYPRASHANT.141@GMAIL</a>   | 9662128811     | 2                                                                                                                                                                              | 3                                                                                                                                        | 3                                                                                                   | 1                                                                                                                                                                 | 2                                                                                                             |
| 3                             | PATEL ROSHNI CHINTAN        | <a href="mailto:AR.ROSHNIPATEL@GMAIL.COM">AR.ROSHNIPATEL@GMAIL.COM</a>   | 9998008050     | 3                                                                                                                                                                              | 3                                                                                                                                        | 3                                                                                                   | 3                                                                                                                                                                 | 1                                                                                                             |
| 4                             | ASARI MRUNAL JAGDISHCHANDRA | <a href="mailto:MRUNAL25ASARI@GMAIL.COM">MRUNAL25ASARI@GMAIL.COM</a>     | 7600975009     | 2                                                                                                                                                                              | 3                                                                                                                                        | 3                                                                                                   | 2                                                                                                                                                                 | 3                                                                                                             |
| 5                             | PATEL CHINTAN JITENDRAKUMAR | <a href="mailto:AR.CHINTANPATEL@GMAIL.COM">AR.CHINTANPATEL@GMAIL.COM</a> | 7600070009     | 3                                                                                                                                                                              | 1                                                                                                                                        | 3                                                                                                   | 3                                                                                                                                                                 | 2                                                                                                             |
|                               |                             |                                                                          | <b>Average</b> | <b>2.40</b>                                                                                                                                                                    | <b>2.40</b>                                                                                                                              | <b>3.00</b>                                                                                         | <b>2.20</b>                                                                                                                                                       | <b>2.20</b>                                                                                                   |



| SWARRNIM INSTITUTE OF DESIGN  |                             |                                                                          |            |                                                                                                                                                                |                                                                                                 |                                                                                                                              |                                                                                                                                          |                                                                                                                           |
|-------------------------------|-----------------------------|--------------------------------------------------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Masters of Urban Planning     |                             |                                                                          |            |                                                                                                                                                                |                                                                                                 |                                                                                                                              |                                                                                                                                          |                                                                                                                           |
| Student exit survey 2022-2023 |                             |                                                                          |            |                                                                                                                                                                |                                                                                                 |                                                                                                                              |                                                                                                                                          |                                                                                                                           |
| Sr.No                         | Name                        | Email                                                                    | Mobile     | Please rate the extent to which the program helped you achieve the following outcomes, using a scale of:<br>1 = Not well   2 = Moderately well   3 = Very well |                                                                                                 |                                                                                                                              |                                                                                                                                          |                                                                                                                           |
|                               |                             |                                                                          |            | Demonstrate ethical behavior and professional responsibility in addressing planning challenges and promoting social equity. (PO6)                              | Communicate planning ideas, strategies, and policies effectively to diverse stakeholders. (PO7) | Exhibit leadership and management skills in urban governance, public service delivery, and infrastructure development. (PO8) | Integrate global planning perspectives with local contexts, considering regional cultural, environmental, and economic conditions. (PO9) | Pursue continuous learning and stay updated with emerging trends, innovations, and technologies in urban planning. (PO10) |
| 1                             | SHAIKH ASEEM RIYAZAHMAD     | <a href="mailto:MR.ASIMSHAIKH@GMAIL.COM">MR.ASIMSHAIKH@GMAIL.COM</a>     | 8128371511 | 2                                                                                                                                                              | 3                                                                                               | 2                                                                                                                            | 2                                                                                                                                        | 3                                                                                                                         |
| 2                             | MISTRY PRASHANT MUKESHBHAI  | <a href="mailto:MISTRYPRASHANT.141@GMAIL">MISTRYPRASHANT.141@GMAIL</a>   | 9662128811 | 2                                                                                                                                                              | 3                                                                                               | 3                                                                                                                            | 3                                                                                                                                        | 2                                                                                                                         |
| 3                             | PATEL ROSHNI CHINTAN        | <a href="mailto:AR.ROSHNIPATEL@GMAIL.COM">AR.ROSHNIPATEL@GMAIL.COM</a>   | 9998008050 | 3                                                                                                                                                              | 3                                                                                               | 2                                                                                                                            | 1                                                                                                                                        | 1                                                                                                                         |
| 4                             | ASARI MRUNAL JAGDISHCHANDRA | <a href="mailto:MRUNAL25ASARI@GMAIL.COM">MRUNAL25ASARI@GMAIL.COM</a>     | 7600975009 | 1                                                                                                                                                              | 3                                                                                               | 1                                                                                                                            | 3                                                                                                                                        | 3                                                                                                                         |
| 5                             | PATEL CHINTAN JITENDRAKUMAR | <a href="mailto:AR.CHINTANPATEL@GMAIL.COM">AR.CHINTANPATEL@GMAIL.COM</a> | 7600070009 | 3                                                                                                                                                              | 3                                                                                               | 3                                                                                                                            | 3                                                                                                                                        | 2                                                                                                                         |
|                               |                             |                                                                          | Average    | 2.20                                                                                                                                                           | 3.00                                                                                            | 2.20                                                                                                                         | 2.40                                                                                                                                     | 2.20                                                                                                                      |

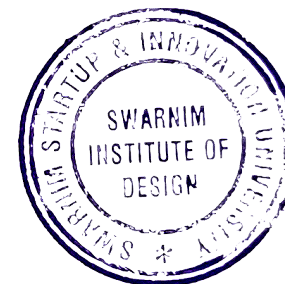


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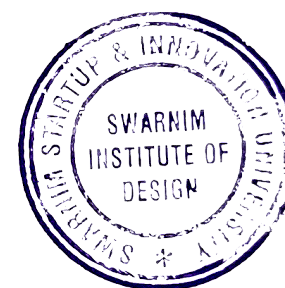
## Masters of Urban Planning Batch 2021-2022

### Program Outcome Survey table

| Form name              | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7  | PO8  | PO9  | PO10 |
|------------------------|------|------|------|------|------|------|------|------|------|------|
| Alumni Survey          | 2.55 | 2.18 | 2.64 | 2.00 | 2.09 | 2.55 | 1.82 | 2.36 | 2.82 | 2.55 |
| Student exit survey    | 2.40 | 2.40 | 3.00 | 2.20 | 2.20 | 2.20 | 3.00 | 2.20 | 2.40 | 2.20 |
| Employer survey        | 2.33 | 3.00 | 2.00 | 2.00 | 1.67 | 1.67 | 2.33 | 2.67 | 2.67 | 2.67 |
| Total                  | 7.28 | 7.58 | 7.64 | 6.20 | 5.96 | 6.41 | 7.15 | 7.23 | 7.88 | 7.41 |
| Average                | 2.43 | 2.53 | 2.55 | 2.07 | 1.99 | 2.14 | 2.38 | 2.41 | 2.63 | 2.47 |
| 20% of indirect assess | 0.49 | 0.51 | 0.51 | 0.41 | 0.40 | 0.43 | 0.48 | 0.48 | 0.53 | 0.49 |

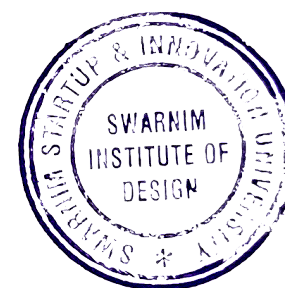


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|------------------------------|--------------------------------|-----------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Masters of Urban Planning    |                                |                                   |                |                                                                                                                                                                                |                                                                                                                                          |                                                                                                     |                                                                                                                                                                   |                                                                                                               |
| Alumni survey 2022-2023      |                                |                                   |                |                                                                                                                                                                                |                                                                                                                                          |                                                                                                     |                                                                                                                                                                   |                                                                                                               |
| Sr.No                        | Name                           | Email                             | Mobile         | Please rate the extent to which the program helped you achieve the following outcomes, using a scale of:<br>1 = Not well   2 = Moderately well   3 = Very well                 |                                                                                                                                          |                                                                                                     |                                                                                                                                                                   |                                                                                                               |
|                              |                                |                                   |                | Demonstrate a comprehensive understanding of planning principles, theories, and practices across sectors such as land use, housing, transportation, and the environment. (PO1) | Apply analytical and research skills using tools like GIS, remote sensing, and data analysis to address urban and regional issues. (PO2) | Design planning solutions that promote sustainability, inclusiveness, and climate resilience. (PO3) | Contribute effectively to the formulation and implementation of urban and regional policies, understanding their socio-political and economic implications. (PO4) | Work collaboratively in interdisciplinary teams to develop integrated and holistic planning strategies. (PO5) |
| 1                            | Maharshi Hiteshkumar Raval     | mhr7799@gmail.com                 | 8128371511     | 3                                                                                                                                                                              | 2                                                                                                                                        | 2                                                                                                   | 3                                                                                                                                                                 | 3                                                                                                             |
| 2                            | Jadav Jaimin Kanaiyalal        | jk.jadav01@gmail.com              | 9662128811     | 3                                                                                                                                                                              | 2                                                                                                                                        | 3                                                                                                   | 2                                                                                                                                                                 | 3                                                                                                             |
| 3                            | Patel Rasmita Amrutbhai        | rasmitapatel07@gmail.com          | 9998008050     | 3                                                                                                                                                                              | 3                                                                                                                                        | 2                                                                                                   | 1                                                                                                                                                                 | 3                                                                                                             |
| 4                            | Joshi Keval Bharatkumar        | joshikeval9749@gmail.com          | 7600975009     | 3                                                                                                                                                                              | 2                                                                                                                                        | 3                                                                                                   | 1                                                                                                                                                                 | 1                                                                                                             |
| 5                            | Vatsal Rakeshkumar Thakkar     | vatsalt41@gmail.com               | 7600070009     | 3                                                                                                                                                                              | 1                                                                                                                                        | 3                                                                                                   | 3                                                                                                                                                                 | 2                                                                                                             |
| 6                            | Patel Mitesh Rameshbhai        | windson.design@gmail.com          | 9726537264     | 1                                                                                                                                                                              | 3                                                                                                                                        | 3                                                                                                   | 1                                                                                                                                                                 | 3                                                                                                             |
| 7                            | Brahmbhatt Jyotiben Ashokkumar | jyotibrahmbhatt10@gmail.com       | 9558871944     | 3                                                                                                                                                                              | 3                                                                                                                                        | 3                                                                                                   | 3                                                                                                                                                                 | 2                                                                                                             |
| 8                            | Raxit Jayeshkumar Shah         | raxshah96@gmail.com               | 9687667827     | 2                                                                                                                                                                              | 3                                                                                                                                        | 2                                                                                                   | 1                                                                                                                                                                 | 2                                                                                                             |
| 9                            | Jeel Anilbhai Gajjar           | jeel.gajjar.mplanssui19@gmail.com | 8511555814     | 1                                                                                                                                                                              | 3                                                                                                                                        | 3                                                                                                   | 2                                                                                                                                                                 | 1                                                                                                             |
| 10                           | Joshi Manoj Anil               | monozossi@hotmail.com             | 9723401990     | 3                                                                                                                                                                              | 1                                                                                                                                        | 2                                                                                                   | 3                                                                                                                                                                 | 2                                                                                                             |
| 11                           | Maitri Jatinkumar Shah         | shahmaitri.19@gmail.com           | 7874477682     | 3                                                                                                                                                                              | 1                                                                                                                                        | 3                                                                                                   | 2                                                                                                                                                                 | 1                                                                                                             |
|                              |                                |                                   | <b>Average</b> | <b>2.55</b>                                                                                                                                                                    | <b>2.18</b>                                                                                                                              | <b>2.64</b>                                                                                         | <b>2.00</b>                                                                                                                                                       | <b>2.09</b>                                                                                                   |



*Handwritten signature in blue ink.*

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|------------------------------|--------------------------------|-----------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Masters of Urban Planning    |                                |                                   |                |                                                                                                                                                                |                                                                                                 |                                                                                                                              |                                                                                                                                          |                                                                                                                           |
| Alumni survey 2022-2023      |                                |                                   |                |                                                                                                                                                                |                                                                                                 |                                                                                                                              |                                                                                                                                          |                                                                                                                           |
| Sr.No                        | Name                           | Email                             | Mobile         | Please rate the extent to which the program helped you achieve the following outcomes, using a scale of:<br>1 = Not well   2 = Moderately well   3 = Very well |                                                                                                 |                                                                                                                              |                                                                                                                                          |                                                                                                                           |
|                              |                                |                                   |                | Demonstrate ethical behavior and professional responsibility in addressing planning challenges and promoting social equity. (PO6)                              | Communicate planning ideas, strategies, and policies effectively to diverse stakeholders. (PO7) | Exhibit leadership and management skills in urban governance, public service delivery, and infrastructure development. (PO8) | Integrate global planning perspectives with local contexts, considering regional cultural, environmental, and economic conditions. (PO9) | Pursue continuous learning and stay updated with emerging trends, innovations, and technologies in urban planning. (PO10) |
| 1                            | Maharshi Hiteshkumar Raval     | mhr7799@gmail.com                 | 8128371511     | 3                                                                                                                                                              | 3                                                                                               | 3                                                                                                                            | 3                                                                                                                                        | 1                                                                                                                         |
| 2                            | Jadav Jaimin Kanaiyalal        | jk.jadav01@gmail.com              | 9662128811     | 1                                                                                                                                                              | 3                                                                                               | 2                                                                                                                            | 3                                                                                                                                        | 3                                                                                                                         |
| 3                            | Patel Rasmita Amrutbhai        | rasmitapatel07@gmail.com          | 9998008050     | 1                                                                                                                                                              | 1                                                                                               | 3                                                                                                                            | 3                                                                                                                                        | 3                                                                                                                         |
| 4                            | Joshi Keval Bharatkumar        | joshikeval9749@gmail.com          | 7600975009     | 3                                                                                                                                                              | 1                                                                                               | 1                                                                                                                            | 3                                                                                                                                        | 2                                                                                                                         |
| 5                            | Vatsal Rakeshkumar Thakkar     | vatsalt41@gmail.com               | 7600070009     | 3                                                                                                                                                              | 3                                                                                               | 3                                                                                                                            | 3                                                                                                                                        | 3                                                                                                                         |
| 6                            | Patel Mitesh Rameshbhai        | windson.design@gmail.com          | 9726537264     | 2                                                                                                                                                              | 1                                                                                               | 2                                                                                                                            | 3                                                                                                                                        | 3                                                                                                                         |
| 7                            | Brahmbhatt Jyotiben Ashokkumar | jyotibrahmbhatt10@gmail.com       | 9558871944     | 3                                                                                                                                                              | 1                                                                                               | 3                                                                                                                            | 3                                                                                                                                        | 3                                                                                                                         |
| 8                            | Raxit Jayeshkumar Shah         | raxshah96@gmail.com               | 9687667827     | 3                                                                                                                                                              | 1                                                                                               | 2                                                                                                                            | 3                                                                                                                                        | 2                                                                                                                         |
| 9                            | Jeel Anilbhai Gajjar           | jeel.gajjar.mplanssiu19@gmail.com | 8511555814     | 3                                                                                                                                                              | 3                                                                                               | 3                                                                                                                            | 2                                                                                                                                        | 3                                                                                                                         |
| 10                           | Joshi Manoj Anil               | monozossi@hotmail.com             | 9723401990     | 3                                                                                                                                                              | 2                                                                                               | 1                                                                                                                            | 2                                                                                                                                        | 3                                                                                                                         |
| 11                           | Maitri Jatinkumar Shah         | shahmaitri.19@gmail.com           | 7874477682     | 3                                                                                                                                                              | 1                                                                                               | 3                                                                                                                            | 3                                                                                                                                        | 2                                                                                                                         |
|                              |                                |                                   | <b>Average</b> | <b>2.55</b>                                                                                                                                                    | <b>1.82</b>                                                                                     | <b>2.36</b>                                                                                                                  | <b>2.82</b>                                                                                                                              | <b>2.55</b>                                                                                                               |



*Signature*