



SNDT Women's University, Mumbai

**Undergraduate Degree / UG Programme
(Syllabus as Per NEP) -
Faculty of Interdisciplinary Studies**

**B. Design
(Jewelry Design)**

As Per NEP – 2020

Semester – V & VI

**Syllabus
(W.E.F. Academic Year 2026-27)**

Terminologies

Abbreviation	Full-form	Remarks	Related to Major and Minor Courses
Major (Core)	Main Discipline		
Major (Elective)	Elective Options		related to the Major Discipline
Minor Stream	Other Disciplines (Inter/Multidisciplinary) not related to the Major	either from the same Faculty or any other faculty	
OEC	Open Elective Courses/ Generic		Not Related to the Major and Minor
VSEC	Vocational and Skill Enhancement Courses		
VSC	Vocational Skill Courses		Related to the Major and Minor
SEC	Skill Enhancement Courses		Not Related to the Major and Minor
AEC	Ability Enhancement Courses	Communication skills, critical reading, academic writing, etc.	Not Related to the Major and Minor
VEC	Value Education Courses	Understanding India, Environmental science/education, Digital and technological solutions, Health & Wellness, Yoga education, sports, and fitness	Not Related to the Major and Minor
IKS	Indian Knowledge System	I. Generic IKS Course: basic knowledge of the IKS II. Subject Specific IKS Courses: advanced information pertaining to the subject: part of the	Subject Specific IKS related to Major

		major credit.	
VEC	Value Education Courses		Not Related to the Major and Minor
OJT	On-Job Training (Internship/Apprenticeship)	corresponding to the Major Subject	Related to the Major
FP	Field projects	corresponding to the Major Subject	Related to the Major
CC	Co-curricular Courses	Health and Wellness, Yoga education sports, and fitness, Cultural Activities, NSS/NCC and Fine/ Applied/Visual/ Performing Arts	Not Related to the Major and Minor
CE	Community Engagement and service		Not Related to the Major and Minor
RP	Research Project	corresponding to the Major Subject	Related to the Major

Structure with Course Titles**B. Design (Jewelry Design)****Semester – V**

Sr. No.	Course	Type of Course	Credits	Marks	Int Marks	Ext Marks
	Semester – V					
50144521	Advance Manufacturing - II (Pr)	Major (Core)	4	100	50	50
50144522	Diamond Grading (Pr)	Major (Core)	4	100	50	50
51044511	Traditional Indian Jewelry (Th)	IKS (Major Specific)	2	50	0	50
50244521	Sustainable jewelry (Pr)	Major (Elective) (Any One)	4	100	50	50
50244522	Jewelry styling and photography (Pr)					
50344511	Export Market (Th)	Minor Stream	4	100	50	50
50644501	2D & 3D Computer-Aided Designing in Jewelry – Basic (Pr)	VSC-4	2	50	50	0
51344501	Community Engagement - Craft Design Development (Pr)	FP	2	50	50	0
			22	550	300	250

Semester – VI

Sr. No.	Course	Type of Course	Credits	Marks	Int Marks	Ext Marks
	Semester - VI					
60144521	Advance Manufacturing – III (Pr)	Major (Core)	4	100	50	50
60144512	Branding, Merchandising & Retail Management (Th)	Major (Core)	4	100	50	50
60244521	Fashion and Costume jewelry (Pr)	Major (Elective) (Any One)	4	100	50	50
60244522	Design for the Domestic market (Pr)					
60344521	2D & 3D Computer Aided Designing in Jewelry – Advance (Pr)	Minor Stream	2	50	0	50
60344512	Jewelry Forecast (Th+Pr)	Minor Stream	4	100	50	50
61244521	Industry Research Project (Pr)	OJT	4	100	50	50
			22	550	250	300

Exit with Degree (3-year)

Course Syllabus

Semester V

5.1 Major (Core)

Course code 5.1	Course Name Advance Manufacturing – II (PR)		Crs
Course Outcome	<p>After going through the course, learners will be able to</p> <ol style="list-style-type: none"> 1. Explain the principles and process of lost wax casting 2. Develop a step-by-step plan for a complex lost wax casting project, incorporating advanced techniques. 3. Demonstrate the process of creating a rubber mold from a master pattern 4. Conceptualize, design, and execute jewelry pieces, demonstrating their understanding and creativity 		4
Module 1	Introduction to Lost Wax Jewelry Casting		1
	Learning Outcomes	Module Content	
	<p>After going through the Module, learners will be able to</p> <ol style="list-style-type: none"> 1. Describe the purpose of each step in the lost wax casting process. 2. Demonstrate the ability to create a wax model for jewelry casting 3. Apply safety protocols during the lost wax casting process. 	<ul style="list-style-type: none"> ● What is Lost wax casting ● History of Lost wax casting ● Importance of Lost wax casting ● Process chart of Lost wax casting ● Introduction of casting machinery 	
Module 2	Rubber Mold Making		1
	Learning Outcomes	Module Content	
	<p>After learning the module, learners will be able to</p> <ol style="list-style-type: none"> 1. Define key terms related to rubber Mold making in jewelry, such as vulcanization, Mold 	<p>Types of rubber used for making mold</p> <ul style="list-style-type: none"> ● Rubber Properties ● Types of rubber mold making 	

	<p>release agents, and master pattern.</p> <ol style="list-style-type: none"> 2. Explain the purpose of rubber Mold making in the Mass production process. 3. Demonstrate the process of creating a rubber Mold from a master pattern 4. Compare the advantages and disadvantages of using rubber molds versus other mold making techniques in jewelry 	<ul style="list-style-type: none"> • Process of rubber mold making • Master model spruing • What is vulcanization & the process. • Introduction of vulcanize machine • Parts of machine • Introduction of mold frame size, temperature etc. • Vulcanization process • Wax injector introduction • Introduction of DVWI & AAC • Safety precaution • Types of wax & their form • Advantages & disadvantages of wax pattern 	
Module 3	WAX INJECTION		1
	Learning Outcomes	Module Content	
	<p>After learning the module, learners will be able to</p> <ol style="list-style-type: none"> 1. Identify the materials and equipment used in wax injection for jewelry 2. Describe the properties of wax used in jewelry making and why it is suitable 3. Demonstrate how to set up and operate a wax injection machine 4. Differentiate between successful and unsuccessful wax 	<ul style="list-style-type: none"> • Wax injector introduction • Introduction of DVWI & AAC • Practice on wax piece Pulling • Wax piece Defects • Introduction of soldering machine. Wax piece repairing & cleaning • Wax piece repairing & cleaning • How to do quality check for the wax piece • What is Wax setting. Importance of wax setting 	

	<p>injection outcomes based on given criteria.</p> <ol style="list-style-type: none"> 5. Evaluate the efficiency of different wax injection techniques and equipment 6. Examine the process of wax injection in terms of cost, efficiency, and quality 	<ul style="list-style-type: none"> • Demonstration on wax piece Purpose of the sprue (Main purpose to be considered for spruing angle of the pieces) 	
Module 4	BASIC ENAMEL TECHNIQUE		1
	Learning Outcomes	Module Content	
	<p>After learning the module, learners will be able to</p> <ol style="list-style-type: none"> 1. Explain the processes involved in each enamel technique. 2. Explain the different types of enamel techniques used in jewelry making. 3. Define the Difference between cold & hot enameling. 4. Demonstrate the process of applying enamel to a piece of jewelry tools 5. Assess the effectiveness of different enamel techniques in achieving specific artistic and functional aspects in jewelry design 6. Develop a unique enamel technique or a variation of an existing technique to create innovative jewelry designs 	<p>Enameling</p> <ul style="list-style-type: none"> • What is Enameling? • What are the types of Enameling • What are the types of enamel • Where it is used • What is the Difference between cold & hot enameling. • Introduction of tools used in enameling • Introduction of furnace • How to clean the enamel • Hot enameling process. • Filing Process • Surface cleaning • How to place cold enamel. • Surface cleaning Polishing 	
Assignments/ Activities towards CCE			

1. Enamel Exercise no 1 --- Completion of the exercise using manufacturing technique in handmade jewelry (2pcs in Silver)/ Copper
2. Casting Products
3. Filing finishing process of casting products
4. Enamel Cold - 2 products

Bibliography

- Baker, J. (2011). The Complete Guide to Jewelry Casting. Springer.
- Dixon, D. (2004). The Complete Metalsmith: An Illustrated Handbook. Davis Publications.
- Gibson, R. (2018). Casting and Molding Jewelry: A Beginner's Guide. Creative Publishing International.
- Olver, E. (2008). The art of jewelry design: Principles of design and illustration. Thames & Hudson.
- Thompson, D. (2015). Jewelry Casting: A Complete Guide. Wiley.
- Untracht, O. (1982). Jewelry concepts and technology. Doubleday.

5.2 Major (Core)

Course code 5.2	Course Name Diamond Grading (PR)		Crs
Course Outcome	After going through the course, learners will be able to <ol style="list-style-type: none"> 1. Explain the formation, occurrence, and properties of diamonds. 2. Identify different types of diamond cuts and their quality based on color, clarity, and carat 3. Differentiate between diamonds and other similar gemstones 4. Perform diamond plotting and Assess the Brilliant Cut. 5. Evaluate cut grading, proportions, and various polish and symmetry factors. 		4
Sr. No.	Module Outcomes	Course Contents	Cr.
Module 1	Introduction of Diamonds & Clarity Grading		1
	Learning Outcomes	Module Content	
	After learning the module, learners will be able to <ol style="list-style-type: none"> 1. Describe the formation and occurrence of diamonds and identify types of mines. 2. Discuss the properties of diamonds and identify famous diamonds. 3. Explain the morphology of diamond crystals. 4. Identify inclusions and blemishes in diamonds. 5. Apply international clarity grading standards and plotting techniques. 	<ul style="list-style-type: none"> • Formation Of Diamonds • Occurrence Of Diamonds and Types of Mines • Properties Of Diamonds, Famous Diamonds • Diamond Crystals and Morphology • Importance Of Diamond Grading And • Certification • Inclusions And Blemishes in Diamonds • International Clarity Grading and Plotting • Brilliant Cut 	
Module 2	Cut Grading		1
	Learning Outcomes	Module Content	

	<p>After learning the module, learners will be able to</p> <ol style="list-style-type: none"> 1. Identify diamonds and apply international grading standards 2. Evaluate cut grading and proportions of diamonds. 3. Assess various polish and symmetry factors in diamonds. 4. Assess the cuts, including heart & arrow cut. 	<ul style="list-style-type: none"> • Identification of Cut Grading • International Grading System • Proportions Of Diamonds • Various Polish and Symmetry Factors • Overall Cut Assessment • Types of cuts <ul style="list-style-type: none"> Heart & Arrow Cut Ideal Scope – Light Leakage Fancy Cut and Their Evaluation 	
Module 3	Colour and Carat Grading		1
	Learning Outcomes	Module Content	
	<p>After learning the module, learners will be able to</p> <ol style="list-style-type: none"> 1. Explain the cause of color in diamonds and identify different types of diamond colors. 2. Grade fancy colors and understand the impact of fluorescence on color judgment. 3. Perform carat grading and separate diamonds by size using sieves and gauges. 4. Estimate diamond weight using various methods. 	<ul style="list-style-type: none"> • Cause Of Colour in Diamonds • Type Of Diamonds Colours • Grading Fancy Colours • Fluorescence Colour • Factors Affecting Colour Judgment • Carat Grading • Various Way of Separating Diamonds by Size – • Use Of Sieve Size. Use Of Gauge • Weight Estimation 	
Module 4	Identification of Synthetic Diamond		1
	Learning Outcomes	Module Content	
	<p>After learning the module, learners will be able to</p> <ol style="list-style-type: none"> 1. Differentiate between cubic zirconia, zircon, white sapphire, and synthetic moissanite. 	<ul style="list-style-type: none"> • Cubic Zirconia's • Zircon • White Sapphire • Synthetic Moissanite 	

	<p>2. Describe the marketing strategies for diamonds.</p> <p>3. Apply practical knowledge through revision and practice assignments.</p>	<ul style="list-style-type: none"> Marketing Of Diamonds 	
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Assignments/ Activities towards CCE

Grade 5 samples under the microscopic and create a sample chart identify cut with following details - RBC/ Fancy, inclusions like Feather /Cloud// Crystal / Needle / Pinpoint, clarity - FL IF VVS1/VVS2 VS1/VS2 SI1/SI2 I1/I2/I3 and weight in carat

Bibliography

- Baker, J. (2011). *The Complete Guide to Jewelry Casting*. Springer.
- Dixon, D. (2004). *The Complete Metalsmith: An Illustrated Handbook*. Davis Publications.
- Gibson, R. (2018). *Casting and Molding Jewelry: A Beginner's Guide*. Creative Publishing International.
- Olver, E. (2008). *The Art of Jewelry Design: Principles of Design and Illustration*. Thames & Hudson.
- Thompson, D. (2015). *Jewelry Casting: A Complete Guide*. Wiley.
- Untracht, O. (1982). *Jewelry Concepts and Technology*. Doubleday.

5.3 IKS (Major Specific)

Course code 5.3	Traditional Indian Jewelry (Th)		Crs
Course Outcome	After going through the course, learners will be able to <ol style="list-style-type: none"> 1. Analyze the design elements and cultural relevance of traditional Indian jewelry. 2. Explain the cultural and historical significance of traditional Indian jewelry. 3. Demonstrate basic techniques used in traditional Indian jewelry making. 4. Compare different regional styles of traditional Indian jewelry. 5. Design a piece of jewelry inspired by traditional Indian styles. 		
Sr. No.	Module Outcomes	Course Contents	Cr.
Module 1	Foundations of Traditional Indian Jewelry		1
	Learning Outcomes	Module Content	
	After going through the Module , learners will be able to <ol style="list-style-type: none"> 1. Identify various types of traditional Indian jewelry 2. List the techniques used 3. Examine the role of traditional jewelry in contemporary fashion. 	Introduction to Traditional Indian Jewelry <ul style="list-style-type: none"> • Historical evolution and cultural significance • Materials and techniques used like Metals (gold, silver, etc.) Gemstones and their meanings Explore regional Styles <ul style="list-style-type: none"> • North Indian jewelry • South Indian jewelry • East and West Indian jewelry Iconography and Symbolism <ul style="list-style-type: none"> • Common motifs and their meanings • Religious and cultural symbols 	
Module 2	Advanced Techniques and Contemporary Practices		1
	Learning Outcomes	Module Content	

	<p>After learning the module, learners will be able to</p> <ol style="list-style-type: none"> 1. List advanced techniques used in traditional Indian jewelry making 2. Describe the impact of modern influences on traditional Indian jewelry. 3. Utilize advanced techniques in creating traditional Indian jewelry. 4. Analyse the integration of traditional and modern elements in jewelry design. 	<p>Advanced traditional techniques from various parts of India</p> <ul style="list-style-type: none"> • Filigree work • Enameling • Tarakashi • Theva Jewelry • Bidari work • Inlay work <p>Modern Influences</p> <ul style="list-style-type: none"> • Fusion styles • Global trends • Technological advancements <p>Contemporary Applications</p> <ul style="list-style-type: none"> • Traditional jewelry in modern fashion • Celebrity and bridal jewelry trends 	
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Assignments/ Activities towards CCE
<ol style="list-style-type: none"> 1. Prepare a presentation based on the visit to museum, jewelry exhibitions, market, stores to understand the techniques of jewelry making. 2. Analyze the work of a contemporary jewelry designer who uses traditional Indian elements. 3. Make a project report on the traditional techniques explored.

Bibliography.

- Aggarwal, A. (2010). Traditional Jewelry of India. Roli Books.
- Bala Krishnan, U., & Kumar, M. (1999). Dance of the peacock: Jewelry traditions of India. India Book House.
- Chandra, P. (2012). Jewelry: Concepts and technology. McGraw-Hill Education.
- Kumar, R. (2015). The art of meenakari: Enamelling traditions of India. Niyogi Books.
- Mookerjee, A., & Khanna, R. (1990). The arts and crafts of India and Tibet. Thames and Hudson.
- Stronge, S. (2002). Gold, silver and bronze: Metalwork of the Mughal Empire. Victoria and Albert Museum Publications.
- Tewari, S. (2018). Indian Jewelry: The ultimate book. Lustre Press.
- Untracht, O. (1982). Jewelry concepts and technology. Doubleday.
- Wright, P. (2019). Indian Jewelry: From tradition to modernity. Thames & Hudson.

5.4 A. Major (Elective)

Course code 5.4 a	Course Name Sustainable Jewelry (PR)		Crs 4
Course Outcome	After going through the course, learners will be able to 1. Create Jewelry using sustainable materials and practices. 2. Apply ethical, environmental, and innovative approaches aligned with global sustainability standards.		
Sr. No.	Module Outcomes	Course Contents	Cr.
Module 1	Introduction to Sustainability in Jewelry		1
	Learning Outcomes	Module Content	
	After learning the module, learners will be able to 1. Define the global context of sustainability and apply it to the Jewelry industry. 2. Identify the environmental and social impacts of conventional Jewelry production.	<ul style="list-style-type: none"> • Definition of sustainability and circular economy • Environmental and social impact of traditional Jewelry industry • Life Cycle Assessment (LCA) in Jewelry • Key sustainability issues: mining, waste, energy, labor 	
Module 2	Ethical Sourcing and Materials Innovation		1
	Learning Outcomes	Module Content	
	After learning the module, learners will be able to 1. Evaluate ethical sourcing practices and sustainable materials used in Jewelry design. 2. Evaluate materials and methods for ethical sourcing and sustainable manufacturing.	<ul style="list-style-type: none"> • Ethical mining vs. conflict minerals • Recycled metals and lab-grown gemstones • Certifications: Fairmined, Fairtrade Gold, RJC, Kimberley Process • Material innovation: bioplastics, bioresins, and reclaimed materials 	

Module 3	Sustainable Design Thinking for Jewelry		1
	Learning Outcomes	Module Content	
	<p>After learning the module, learners will be able to</p> <ol style="list-style-type: none"> 1. Apply principles of sustainable design and innovation to develop eco-conscious Jewelry products. 2. Design Jewelry using sustainable materials and lifecycle assessment. 	<ul style="list-style-type: none"> • Design for disassembly and longevity • Zero-waste design methods • Cradle to Cradle and biomimicry in design • CAD tools and digital fabrication for sustainability 	
Module 4	Business Models, Communication, and Future Trends		1
	Learning Outcomes	Module Content	
	<p>After learning the module, learners will be able to</p> <ol style="list-style-type: none"> 1. Develop a sustainable Jewelry business model and effectively communicate its value to diverse audiences. 2. Develop a portfolio of original sustainable Jewelry concepts and prototypes. 	<ul style="list-style-type: none"> • Circular business models (leasing, upcycling, repair) • Transparency and traceability tools (blockchain, QR codes) • Branding and storytelling for sustainable products • Policy, legislation, and future trends (EU Green Deal, B-Corp) 	

Assignments/ Activities towards CCE	
<ol style="list-style-type: none"> 1. Develop a sustainable Jewelry brand concept including mission, sample product, sourcing plan, and brand pitch (with presentation and visuals). 2. Case Study Presentation: Compare two Jewelry brands — one using ethical sourcing, one not — and assess their sustainability metric 3. Reflection Analyze the environmental footprint of a conventional Jewelry brand. 4. Design a piece of Jewelry based on research done and using sustainable products in fine Jewelry and fashion Jewelry 	

Bibliography

- Baines, T., & Lightfoot, H. (2013). *Made to Serve: How manufacturers can compete through servitization and product-service systems*. Wiley.
- Fletcher, K., & Tham, M. (2019). *Design and Sustainability: A Values-based Approach*.
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- Pye, L. (2010). *Jewelry Materials: A Guide to the Properties, Characteristics and Applications*. Bloomsbury Publishing.
- Routledge.McDonough, W., & Braungart, M. (2002). *Cradle to Cradle: Remaking the Way We Make Things*. North Point Press.
- Young, S., & Dias, G. (2011). Green entrepreneurship: The emerging paradigm. *Journal of Strategic Innovation and Sustainability*, 7(1), 21–36.

5.4 B. Major (Elective)

Course code 5.4 b	Course Name Jewelry Styling and Photography (Pr)		Cr 4
Course Outcome	After going through the course, learners will be able to <ol style="list-style-type: none"> 1. Develop jewellery styling concepts based on brand identity and target audience. 2. Use the appropriate lighting, camera settings and composition for effective jewellery photographs. 3. Construct visual narratives for jewellery using styling, props and models. 4. Develop a professional jewellery photography portfolio for digital and print platforms. 		
Module 1	Foundations of Jewellery Styling & Visual Language		1
	Learning Outcomes	Content Outline	
	After learning the module, learners will be able to Course overview <ol style="list-style-type: none"> 1. Analyse jewellery brand identity to determine styling direction. 2. Construct mood boards using colour theory and visual references. 3. Select props and backgrounds that support jewellery storytelling. 4. Analyse the trends using visual research methods. 	<ul style="list-style-type: none"> • Role of styling in jewellery branding and storytelling • Elements and principles of design in jewellery photography • Colour theory and mood boards for jewellery shoots • Jewellery categories and styling approaches (fine, fashion, bridal, editorial) • Props, textures, backgrounds and visual balance • Trend analysis and visual research methods 	
Module 2	Camera Techniques & Lighting for Jewellery		1
	Learning Outcomes	Content Outline	

	<p>After learning the module, learners will be able to</p> <ol style="list-style-type: none"> 1. Configure camera settings suitable for macro jewellery photography. 2. Produce jewellery images using controlled lighting setups. 3. Evaluate lighting outcomes to reduce reflections and shadows. 	<ul style="list-style-type: none"> • Basics of camera operation (aperture, ISO, shutter speed) • Macro photography fundamentals • Types of lighting: natural, artificial, continuous, flash • Light modifiers: softboxes, diffusers, reflectors, light tents • Managing reflections and metal shine • Shooting transparent and reflective gemstones • Tripods, lenses and essential equipment 	
Module 3	Jewellery Styling with Models & Editorial Photography		1
	Learning Outcomes	Content Outline	
	<p>After learning the module, learners will be able to</p> <ol style="list-style-type: none"> 1. Create jewellery photoshoots using shot lists and storyboards. 2. Direct model poses to enhance jewellery visibility. 3. Construct editorial jewellery images for promotional campaigns. 	<ul style="list-style-type: none"> • Styling jewellery on models and hands • Fashion vs product photography approaches • Composition techniques and framing • Working with stylists, makeup artists and models • Storytelling and shot planning • Creating editorial layouts and campaign imagery • Ethical and professional practices in photoshoots 	
Module 4	Post-Production, Branding & Portfolio Development		1
	Learning Outcomes	Content Outline	

	<p>After learning the module, learners will be able to</p> <ol style="list-style-type: none"> 1. Edit jewellery photographs using retouching and colour correction tools. 2. Prepare jewellery images for e-commerce and social media platforms. 3. Develop a professional jewellery photography portfolio. 	<ul style="list-style-type: none"> • Introduction to photo editing software • Image retouching and colour correction • Background removal and enhancement • Image resizing for e-commerce and social media • Branding consistency across platforms • Portfolio curation and presentation • Pricing, licensing and freelance workflow basics 	
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Assignments/Activities towards CCE

1. Create a cohesive jewellery styling concept aligned with a defined brand personality- Develop a mood board and styling concept dossier for a jewellery brand. The submission must include colour palette, prop selection, textures, lighting mood and a written justification explaining how the styling supports the target audience.
2. Produce technically sound jewellery photographs using controlled lighting. To achieve the same execute a lighting experiment project by photographing the same jewellery piece using three different lighting setups. Submit images along with a reflective comparison explaining the technical decisions and outcomes.
3. Create editorial jewellery photographs using models and styling direction. Submit storyboard, shot list, and final edited images that communicate a clear campaign theme.
4. Create a digital portfolio consisting of at least 12 jewellery images across product, editorial and lifestyle categories. Include a branding statement and platform-ready image formats.

Bibliography

- Ang, T. (2016). *Digital photography masterclass* (2nd ed.). DK Publishing.
- Busch, D. D. (2019). *David Busch's Nikon/Canon guide to digital photography*. Rocky Nook.
- Child, J., & Galer, M. (2015). *Photographic lighting: Essential skills*. Focal Press.
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- Smith, J. (2018). *Jewellery photography: Techniques for capturing brilliance*. Amherst Media.
- Sullivan, A. (2017). *Styling for photography: Techniques for studio and location shoots*. Routledge.

5.5 Minor Stream

Course code 5.5	Course Name Export market		Crs
Course Outcome	<p>After going through the course, learners will be able to</p> <ol style="list-style-type: none"> 1. Explain the fundamental principles and processes involved in international trade and export management. 2. Analyze global trade barriers, trade blocks, and policies affecting export operations. 3. Evaluate the role of E.C.G.C. and various export promotion measures in supporting international business. 4. Apply knowledge of export trade procedures, documentation, and legal requirements in practical contexts. 5. Design effective strategies for export assistance and incentive utilization to enhance trade performance. 		4
Sr. No.	Module Outcomes	Course Contents	Cr.
Module 1	International Trade		1
	Learning Outcomes	Module Content	
	<p>After going through the Module, learners will be able to</p> <ol style="list-style-type: none"> 1. Define the key features of international trade, distinguishing it from domestic trade. 2. Explain the advantages and limitations of international trade with relevant examples. 3. Compare between home trade and international trade based on scope, currency, regulations, and risk factors. 4. Identify the documents involved in export trade, such as invoices, bills of landing, and certificates of origin. 5. Evaluate the importance of international trade in economic development and global business growth. 	<ul style="list-style-type: none"> • International Trade • Features Of International Trade • Advantages And Limitations • Home Trade V/S International Trade • Documents Involved in Export Trade 	

Module 2	Trade Barriers and Trade Blocks		1
	Learning Outcomes	Module Content	
	<p>After going through the Module, learners will be able to</p> <ol style="list-style-type: none"> 1. Define the concept of trade barriers and trade blocks, highlighting their impact on international business. 2. Identify the key components and objectives of the EXIM Policy of India. 3. Analyze between various types of trade barriers such as tariffs, quotas, and subsidies. 4. Calculate the export costing and pricing for parts of a machine by considering production, transportation, and overhead costs. 5. Evaluate pricing strategies and policy measures that promote competitive exports in global markets. 	<ul style="list-style-type: none"> • Trade Barriers and Trade Blocks Exim Policy • Export Costing And Pricing Parts of machine heading for topic 	
Module 3	Export Promotion		1
	Learning Outcomes	Module Content	
	<p>After going through the Module, learners will be able to</p> <ol style="list-style-type: none"> 1. Define the role and functions of the Export Credit Guarantee Corporation (E.C.G.C.) in international trade. 2. Explain the types of risks covered under E.C.G.C. 	<ul style="list-style-type: none"> • Export Credit Guarantee Corporation <p>Role And Functions Policies and their importance to exporters. Procedures for registering with ECGC Risk covered – commercial and political</p>	

	<p>policies and their importance to exporters.</p> <ol style="list-style-type: none"> 3. Differentiate between various export promotion measures adopted by the government. 4. Evaluate how E.C.G.C. support and export promotion schemes contribute to boosting India's export performance. 5. Design strategies to effectively utilize E.C.G.C. services and export incentives for a successful export business plan. 	<p>Steps to be taken before export with ECGC</p> <p>Safety measure for exported before shipment for ECGC</p> <p>Country wise Premium rates</p> <p>Procedure to claim refund</p> <ul style="list-style-type: none"> • Export Promotion mission by ministry of commers 	
Module 4	Export Trade and Procedure (TH)		1
	Learning Outcomes	Module Content	
	<p>After going through the Module, learners will be able to</p> <ol style="list-style-type: none"> 1. Identify the key steps and documentation involved in the export trade procedure. 2. Describe the legal, financial, and logistical requirements for conducting export trade. 3. Apply the knowledge of export procedures to prepare and process export documentation correctly. 4. Analyze the various export assistance programs and incentive schemes provided by the government and trade bodies. 5. Evaluate the effectiveness of different export incentives in promoting international trade and propose improvements for better implementation. 	<ul style="list-style-type: none"> • Export Trade and Procedure <p>Key steps and documentation</p> <p>Legal, financial, and logistical requirements</p> <p>Prepare and process export documentation</p> <ul style="list-style-type: none"> • Export Assistance and Incentives <p>Different export incentives in promoting international trade</p> <p>Improvements for better implementation.</p>	

Assignments/ Activities towards CCE

1. Prepare a presentation on Understanding International Trade and Its Dynamics and compare home trade with international trade to understand key differences in operations, risk, and regulations.
2. Prepare a Report on Export Procedures, Policies, and Promotion covering the aspects of export trade, including documentation, trade barriers, EXIM policy, and export pricing.

Bibliography

- Ahmed, M. (Year). *Export marketing*. New Delhi: Kitab Mahal.
- Cherry, J. (Year). *International marketing: Text and cases*. New Delhi: Prentice Hall of India.
- Cherunilam, F. (Year). *International trade and export management*. Mumbai: Himalaya Publishing House.

5.6 VSC-4

Course code 5.6	2D & 3D Computer Aided Designing in Jewelry – Basic (PR)		Crs
Course Outcome	<p>After going through the course, learners will be able to</p> <ol style="list-style-type: none"> 1. Identify the different types of modeling techniques available in software. 2. Describe the purpose and function of various Setting. 3. Create Simple & Complex Surface Modeling with Practice session. 4. Analyze the structure of a complete 3D Jewelry model to ensure it meets design specifications 5. Assess the final Jewelry design for errors, improvements, and overall aesthetic value. 		2
Sr. No.	Module Outcomes	Course Contents	Cr.
Module 1	Basic Settings in Jewelry products		1
	Learning Outcomes	Module Content	
	<ol style="list-style-type: none"> 1. Identify the key characteristics of settings in jewelry 2. Explain the purpose and advantages of using settings in Jewelry Products 3. Judge the effectiveness of settings for protecting gemstones in daily wear 4. Design a jewelry piece with a different setting using Rhino software 5. Define the illusion setting and its unique features 	<ul style="list-style-type: none"> • Plate Prong setting Tanmani / Bali / Brooch • Bezel Setting Tanmani / Bali / Brooch • Channel setting Tanmani / Bali / Brooch • Pave setting Tanmani / Bali / Brooch • Flush setting Tanmani / Bali / Brooch • Illusion setting Tanmani / Bali / Brooch 	
Module 2	Advance setting 3 D MODLING		1
	Learning Outcomes	Module Content	

	<p>After learning the module, learners will be able to</p> <ol style="list-style-type: none"> 1. Design a piece of jewelry that utilizes different setting pattern effectively. 2. Create a jewelry piece incorporating Nick settings, demonstrating a clear understanding of its hybrid features. 3. Demonstrating creativity and technical skill. 4. Evaluate the effectiveness of all settings in terms of gemstone stability and overall design integrity 5. PAVE: - Patterns include fish tail setting. 	<ul style="list-style-type: none"> ● PAVE: - Patterns include fish Tail Setting. ● Precut Pave. ● Nick Setting: - Hybrid Of Channel And Swiss. ● Half Channel. ● Pressure Setting. ● Invisible Setting. ● Tension Setting 	
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Assignments/ Activities towards CCE
<ol style="list-style-type: none"> 1. Digital Jewelry Design - Create 3 jewelry designs in software by selecting different jewelry settings such as a ring, pendant, and earring. 2. Traditional Ornament Design - Design for Tanmaniya, Bali, Brooch, Necklace, and Bracelet, Focusing on neat sketching, proper detailing, ornament structure, and creative presentation while developing each design.

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- Pradeep K. Sinha & Priti Sinha , 6th edition, "Computer Fundamentals", BPB Publications.

5.7 FP

Course code 5.7	Course Name Community Engagement- Craft Design Development (Pr)		Crs 2
Course Outcome	After going through the course, learners will be able to 1. Engage directly with artisan communities for design development. 2. Integrate traditional crafts to co-create contemporary jewelry design concepts, integrating community knowledge and design innovation in the field.		
Sr. No.	Module Outcomes	Course Contents	Cr.
Module 1	Design Ideation		1
	Learning Outcomes	Module Content	
	After learning the module, learners will be able to 1. Develop design prototypes with artisans using traditional methods.	<ul style="list-style-type: none"> Design Ideation and conceptualization, along with relevant boards, followed by Design development 	
Module 2	Product design and prototyping		1
	Learning Outcomes	Module Content	
	After learning the module, learners will be able to 1. Produce a collection or design proposal showcasing craft integration in contemporary jewelry.	<ul style="list-style-type: none"> On-site field work Craft study (observations, interviews, process documentation) Experimentation Prototyping based on the concept 	

Assignments/ Activities towards CCE

1. Research a craft tradition through direct community engagement and document your findings with detailed sketches and photos.
2. Using these insights, develop One jewelry prototypes to demonstrate your design evolution and technical process.
3. Finally, deliver a presentation that synthesizes your community report and physical mock-ups into a cohesive story of heritage and innovation.

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Semester VI

6.1 Major (Core)

Course code 6.1	Course Name Advance Manufacturing – III (PR)		Crs 4
Course Outcome	After going through the course, learners will be able to <ol style="list-style-type: none"> 1. Demonstrate the wax cleaning and tree making process 2. Develop a step-by-step plan for a complex lost wax casting project, incorporating advanced techniques. 3. Explain the purpose of investment mixing and Proprieties of investment powder 4. Manipulate manual casting machine. 5. Acquire the skills of surface filing & finishing with the help of required polishing tools. 		
Sr. No.	Module Outcomes	Course Contents	Cr.
Module 1	Wax Setting & Tree Making		1
	Learning Outcomes	Module Content	
	After going through the Module, learners will be able to <ol style="list-style-type: none"> 1. Describe the purpose of each step in the lost wax casting process. 2. Demonstrate the ability to create a wax setting for jewelry 3. Apply safety protocols during the lost wax casting process. 4. Develop a step-by-step plan for a complex lost wax casting project, incorporating advanced techniques. 5. Demonstrate the wax cleaning and tree making process. 	<ul style="list-style-type: none"> • What is Wax setting • Importance of wax setting • Demonstration on wax pieces. • Function of gating system • Purpose of the sprue • Main purpose to be consider for spruing • Angle of the pieces • Demonstration of tree making 	
Module 2	Investment Process		1
	Learning Outcomes	Module Content	
	After learning the module, learners will be able to	<ul style="list-style-type: none"> • Safety measures & precautions 	

	<ol style="list-style-type: none"> 1. Explain the safety Safety measures & precaution during Investment Powder Mixing process 2. Explain the purpose of investment mixing and Proprieties of investment powder 3. Apply the formula to calculate the wax tree weight to metal weight. 4. Demonstrate the process of hand made and auto mixing process. 	<ul style="list-style-type: none"> • Different types of powder and compounds • Calculation of powder for flask & metal weight required for specific wax tree. • Investment Process • Introduction of hand mixing investment • Procedure of auto machine and hand mixing investment • Proprieties of investment powder 	
Module 3	De waxing, Burnout Process & Manual Casting		1
	Learning Outcomes	Module Content	
	<p>After learning the module, learners will be able to</p> <ol style="list-style-type: none"> 1. Execute the de-waxing process within the context of jewelry manufacturing. 2. Evaluate the functioning of a burnout furnace and its operational cycle. 3. Demonstration manual casting machine. 4. Demonstration Tree cleaning Tree cutting 	<ul style="list-style-type: none"> • De waxing process • What is the burnout cycle • Introduction of burnout furnace Different types of burnout cycle • Metal preparation according to the flask • handling burnout furnace • Importance of burnout cycle • Practice of temperature controller setting for burnout furnace • Types of melting • Principle of resistance heating • Principle of induction heating • Introduction of Vacuum Pressure Casting machine & manual casting machine 	

		<ul style="list-style-type: none"> • Practical Manual Casting process 	
Module 4	Sprue Cutting, Grinding, filing, Stone setting & polishing		1
	Learning Outcomes	Module Content	
	<p>After learning the module, learners will be able to</p> <ol style="list-style-type: none"> 1. Demonstrate the Sprue cutting process and flushes setting 2. Apply surface filing & finishing with the help of required polishing tools on given exercise. 	<ul style="list-style-type: none"> • Sprue Cutting • Filing Process • Flush & Other Stone Setting • Final Polishing 	

Assignments/ Activities towards CCE
<ol style="list-style-type: none"> 1. Prepare hand jewelry by using manufacturing and casting technique using Silver metal - cleaning and polishing 2. Stone setting - manufacturing of handmade jewelry using brass/ copper sheet/ Silver Sheet

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- Baker, J. (2011). *The Complete Guide to Jewelry Casting*. Springer.
- Dixon, D. (2004). *The Complete Metalsmith: An Illustrated Handbook*. Davis Publications.
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6.2 Major (Core)

Course code 6.2	Course Name Branding, Merchandising & Retail Management (Th)		Crs 4
Course Outcome	<p>After going through the course, learners will be able to</p> <ol style="list-style-type: none"> 1. Develop effective branding strategies tailored to the Jewelry market. 2. Apply knowledge of retail finance, sales techniques, and store management to optimize retail performance. 3. Manage retail operations, including global and local retailing practices. 4. Implement merchandising techniques to enhance product presentation and sales. 		
Sr. No.	Module Outcomes	Course Contents	Cr.
Module 1	Basics of Marketing and Branding		1
	Learning Outcomes	Module Content	
	<p>After learning the module, learners will be able to</p> <ol style="list-style-type: none"> 1. Describe the Basics of Branding and apply knowledge of brand, product management. 2. Explore and analyze fundamental marketing principles and branding strategies relevant to the Jewelry industry 	<ul style="list-style-type: none"> • Introduction To Basic Marketing & Branding Market Research Marketing Concepts Brand Management Brand Terminology Product Management Sales Management Consumer Behavior 	
Module 2	Fundamentals of Retail Operations		1
	Learning Outcomes	Module Content	
	<p>After learning the module, learners will be able to</p> <ol style="list-style-type: none"> 1. Analyze retail operations, including store management and global retailing practices, to effectively address real-world industry challenges. 2. Explore themselves to handle diverse retail environments 	<p>Retail Operation and logistics</p> <p>Retail Environment</p> <p>Trade Promotions</p> <p>Shelf Space Management</p> <p>Human Resources Management</p> <p>Legal aspects in Retailing</p> <p>Global Retailing</p> <p>Ethical practices in retailing</p>	

		Role of Information technology	
Module 3	Retail Financials		1
	Learning Outcomes	Module Content	
	<p>After learning the module, learners will be able to</p> <ol style="list-style-type: none"> 1. Apply financial concepts and strategies critical to retail operations, including cost management, pricing strategies, and profit measurement. 2. Equipped to make informed decisions on markups, markdowns, and pricing negotiations to optimize retail profitability. 3. Apply strategies to effectively manage human, financial, and material resources within a retail environment, ensuring efficient and informed decision-making. 	<ul style="list-style-type: none"> • Retail Financial – Cost terms, Profit measures - Mark ups - Markdowns - Maintained markups – Pricing, Pricing strategies - Negotiations • Resource Management • Strategy Management • Levels of Merchandising • Buying and merchandising in Jewelry • Future and Innovation 	
Module 4	Product Merchandising, Layout & Display		1
	Learning Outcomes	Module Content	
	<p>After learning the module, learners will be able to</p> <ol style="list-style-type: none"> 1. Organize merchandise assortments based on specific needs or occasions to enhance retail presentation and customer experience. 2. Design effective store layouts and window displays, and manage floor operations 3. Analyze merchandising techniques and enhance 	<p>Definition & Overview Of Merchandising</p> <p>Product Merchandising (Jewelry)</p> <p>Product Story, Product Branding, Product Packaging, Marketing</p> <p>Store Display - Space And Layout - Departments And Products - Store Lighting - Ambience - Signage / Branding</p> <p>Window Display</p>	

	the shopping experience and optimize sales performance.	Budget, Space And Props, Color, Seasons, Promotions, Lighting, Styling	
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Assignments/ Activities towards CCE
<ol style="list-style-type: none"> 1. Develop a comprehensive marketing plan for a Jewelry brand, including market research, target audience analysis, and marketing strategies. Create a brand identity package for a new Jewelry line, including logo design, tagline, and brand guidelines. 2. Develop a pricing strategy for a new Jewelry collection, including calculations for markups, markdowns, and negotiations with suppliers.

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6.3 A. Major (Elective)

Course code 6.3a	Course Name Fashion and Costume Jewelry (PR)		Crs 4
Course Outcome	After going through the course, learners will be able to <ol style="list-style-type: none"> 1. Assess the evolution of Jewelry through Indian and World costume eras, exploring cultural influences, materials, and craftsmanship unique to each period. 2. Analyze design aesthetics from ancient Indian dynasties to global fashion movements, students learn to merge traditional and contemporary inspirations. 3. Execute character Jewelry styling, reflecting historical essence, personality traits, and narrative context—bridging heritage with modern fashion expression. 		
Module 1	Indian Era Wise Study		1
	Learning Outcomes After going through the Module, learners will be able to <ol style="list-style-type: none"> 1. Analyze the evolution of Indian costume and Jewelry across various historical eras. 2. Explain how cultural, social, and political influences shaped Jewelry design through different time periods in India — from ancient civilizations to modern times. 3. Design Jewelry inspired by specific Indian eras, reflecting traditional craftsmanship, materials, motifs, and regional aesthetics. 	Module Content <ul style="list-style-type: none"> • Design process according to the Indian eras such as the Indus Valley, Mauryan, Gupta, Mughal, Rajput, Colonial, and Modern periods. • Identify the costume styles, materials, motifs, and Jewelry design aesthetics of each era. 	
Module 2	World Era Wise Study		
	After going through the Module, learners will be able to - -	<ul style="list-style-type: none"> • Design process according to the world eras such as the Egyptian, Greek, 	

	<ol style="list-style-type: none"> 1. Analyze global costume and jewelry design across historical periods and regions, identifying similarities and contrasts with Indian traditions. 2. Evaluate the influence of world cultures, art movements, and technological developments on jewelry design. 3. Create jewelry designs inspired by global eras, with the capacities of assessing international aesthetics and historical context. 	<p>Roman, Renaissance, Victorian, Art Deco, and Contemporary periods.</p> <ul style="list-style-type: none"> • Study their distinctive costume styles and corresponding Jewelry aesthetics. • Include material board, colour palette, and inspiration sheet. 	
Module 3	Current Issues		
	<p>After going through the Module, learners will be able to - -</p> <ol style="list-style-type: none"> 1. Apply Creative thinking and social awareness by designing Jewelry that responds to contemporary global or local issues — such as sustainability, gender equality, environmental change, or cultural identity. 2. Analyze current trends, challenges, and movements and translate their ideas into conceptual Jewelry presentations that convey messages or provoke thought. 	<ul style="list-style-type: none"> • Research and analysis of issues such as sustainability, gender identity, climate change, peace, or cultural fusion. • Research symbols, visuals, and emotions associated with the topic 	
Module 4	Study of Character (Theatre/Period Film Jewelry Design)		
	<p>After going through the Module, learners will be able to - -</p> <ol style="list-style-type: none"> 1. Analyze the relationship between character, costume, and jewelry design in theatre and performance. 2. Design jewelry for diverse character types to support storytelling, emotion, and identity on stage. 3. Develop skills in character interpretation, material 	<p>Analysis of character background, personality, costume, and cultural context and costume requirements</p> <ul style="list-style-type: none"> • Mythology • Theatre • Cinema • literature (e.g., Cleopatra, Draupadi, a fairy, a warrior, etc.). 	

	selection, and design execution for performance art.		
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Assignments/ Activities towards CCE
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Develop design options that includes concept boards showing Jewelry inspired by one Indian and World era, including motifs, forms, techniques, and materials relevant to that time.

Bibliography:

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6.3 B. Major (Elective)

Course code 6.3b	Course Name Design Projects for the Domestic Market (PR)		Crs
Course Outcome	After going through the course, learners will be able to <ol style="list-style-type: none"> 1. Identify the Indian market, considering, economic, and aesthetic factors. 2. Define cultural differences of the various states 3. Describe the demand and Jewelry buying behaviour of the Indian Jewelry market 4. Create design for the Indian Jewelry market 		4
Sr. No.	Module Outcomes	Course Contents	Cr.
Module 1	Indian Market (Context to Jewelry)		1
	Learning Outcomes	Module Content	
	After going through the Module, learners will be able to <ol style="list-style-type: none"> 1. Identify key characteristics of the Indian jewelry market. 2. Explain the cultural significance of jewelry in India. 3. Impliment market research techniques to gather data on consumer 4. Examine the impact of cultural trends on jewelry design. 5. Assess the potential success of different jewelry designs in the Indian market. 6. Develop a market research report on current jewelry trends in India. 	Introduction to the Indian Jewelry Market <ul style="list-style-type: none"> • Market size and segmentation • Key players and competition Cultural Significance of Jewelry in India <ul style="list-style-type: none"> • Traditional and contemporary styles • Regional variations Market Research Techniques <ul style="list-style-type: none"> • Surveys and focus groups • Data analysis methods Trends and Consumer Behaviour <ul style="list-style-type: none"> • Current trends in Indian jewelry • Consumer Behaviour and buying behaviour 	

Module 2	Traditional and contemporary designing		1
	Learning Outcomes	Module Content	
	<p>After learning the module, learners will be able to</p> <ol style="list-style-type: none"> 1. Describe the elements of traditional and contemporary Indian jewelry design. 2. Create Jewelry design sketches. 3. Compare different design styles and their appeal to Indian consumers. 4. Design a jewelry piece that incorporates traditional Indian elements. 	<p>Traditional vs. Contemporary Design</p> <ul style="list-style-type: none"> • Key elements of traditional Indian jewelry • Modern adaptations and innovations <p>Consumer Behaviour</p> <ul style="list-style-type: none"> • Understanding target demographics • Customization and personalization trends 	
Module 3	Cultural Influences and Regional Styles		1
	Learning Outcomes	Module Content	
	<p>After learning the module, learners will be able to</p> <ol style="list-style-type: none"> 1. Exploring regional aesthetics (e.g., North India, south India. East India, west India) 2. Adapting designs for specific cultural contexts 3. Apply the Intellectual property considerations 	<p>Budgeting and costing of Jewelry.</p> <p>Cultural influences onto the market.</p> <ul style="list-style-type: none"> • Weddings Jewelry • Festivals • Everyday wear <p>Traditional Jewelry of all the parts of India</p> <ul style="list-style-type: none"> • North • South • West • East 	
Module 4	Jewelry retail format and Presentation		1
	Learning Outcomes	Module Content	
	<p>After learning the module, learners will be able to</p> <ol style="list-style-type: none"> 1. Explain retail Jewelry format in India 	<p>Creating a jewelry portfolio</p> <p>Pricing strategies</p> <p>Evaluation of Jewelry</p>	

	2. Create portfolio 3. Design bridal Jewelry 4. Create contemporary Jewelry	Contemporary Jewelry <ul style="list-style-type: none"> • Fusion styles • Global trends • Technological advancements Jewelry retail format <ul style="list-style-type: none"> • B2B • B2C • Wholesaler • Manufacturers • Export zones • Family jeweller • Brands • Signature Designers • Shop in shops • Ecommerce 	
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Assignments/ Activities towards CCE

1. Design a bridal Jewelry line on the basis of brand study and suitable for the Indian market ecommerce
2. Present a market research report on current jewelry trends in India.

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6.4 Minor Stream

Course code 6.4	Course Name 2D & 3D Computer Aided Designing in Jewelry –Advance (PR)		Crs 2
Course Outcome	After going through the course, learners will be able to <ol style="list-style-type: none"> 1. Design a piece of jewelry that utilizes the different setting pattern effectively 2. Describe the purpose and function of various toolbars and panels at an advanced level. 3. Create Simple & Complex Surface Modeling with Practice session. 4. Analyze the structure of a completed 3D Jewelry model to ensure it meets design specifications 5. Assess the final Jewelry design for errors, improvements, and overall aesthetic value. 		
Sr. No.	Module Outcomes	Course Contents	Cr.
Module 1	Indian & Export Market Design Modeling		1
	Learning Outcomes	Module Content	
	After going through the Module, learners will be able to <ol style="list-style-type: none"> 1. Design a piece of jewelry that utilizes different setting pattern effectively. 2. Create a jewelry piece incorporating Nick settings, demonstrating a clear understanding of its hybrid features. 3. Demonstrating creativity and technical skill. 4. Evaluate the effectiveness of all settings in terms of gemstone stability and overall design integrity 	<ul style="list-style-type: none"> ● Bangle ● Tanmaniya ● Fancy Rings ● Chain Bracelet ● Bridal Necklace ● Rings ● Pendent 	
Module 2	Customize Design Projects		1
	Learning Outcomes	Module Content	

	<p>After going through the Module, learners will be able to</p> <ol style="list-style-type: none"> 1. Describe the cultural and symbolic meanings of hippo jewelry in various societies. 2. Design a piece of jewelry with invisible setting, showcasing proficiency in this technique. 3. Design a new style of nugget ring for men incorporating modern trends and traditional elements 4. Assess the quality and effectiveness of a dancing diamond piece in enhancing the overall design of the jewelry 5. Develop a new bracelet, necklace, brooch cufflink designs that combines traditional elements with contemporary trends. 	<ul style="list-style-type: none"> • Men’s Nugget Rings • Hip Hop Jewelry • Dancing Diamond • Bracelet • Necklace • Cufflinks • Brooch • Rendering • Presentation 	
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Assignments/ Activities towards CCE
Design a piece of jewelry, 3 Designs Each setting- ring, pendent, earrings Brooch, necklace, and bracelet - Rendering & Presentation

Bibliography

- E Balagurusamy , 2009 “Fundamentals of Computers” , McGraw Hill Education.
- Faulkner Andrew and Chavez Conrad, “Adobe Photoshop CC Classroom in a Book”.
- Pradeep K. Sinha & Priti Sinha , 6th edition, “Computer Fundamentals”, BPB Publications.

6.5 Minor Stream

Course code 6.5	Course Name Jewelry Forecasting (Th)		Crs
Course Outcome	After going through the course, learners will be able to <ol style="list-style-type: none"> 1. Identify key concepts and terminology in jewelry forecasting. 2. Explain the importance of trend forecasting in the jewelry industry. 3. Examine historical data to identify patterns in jewelry trends. 4. Identify patterns in jewelry trends. 5. Assess different forecasting methods. 		4
Sr. No.	Module Outcomes	Course Contents	Cr.
Module 1	Introduction to Jewelry Trends		1
	Learning Outcomes	Module Content	
	<p>After going through the Module, learners will be able to - -</p> <ol style="list-style-type: none"> 1. Develop a basic jewelry trend forecast report. 2. Assess the accuracy of different forecasting methods. 3. Apply basic forecasting techniques to predict jewelry trends. 4. Examine historical data for trends 	<ul style="list-style-type: none"> • Definition and significance of Jewelry Forecasting • Key concepts and terminology • Historical Trends in Jewelry • Overview of past trends • Influences on jewelry trends <p>Forecasting Techniques</p> <ul style="list-style-type: none"> • Qualitative methods (e.g., expert opinion, Delphi method) • Quantitative methods (e.g., time series analysis, regression analysis) <p>Data Analysis</p> <ul style="list-style-type: none"> • Collecting and analyzing historical data • Identifying patterns and cycles 	
Module 2	Jewelry Forecasting and Market Analysis (Domestic Market)		1
	Learning Outcomes	Module Content	

	<ol style="list-style-type: none"> 1. Describe the impact of trends in India on the jewelry market. 2. Implement advanced forecasting techniques to predict future jewelry trends. 3. Evaluate the role of consumer behavior in trend forecasting. 4. Analyse the effectiveness of different market analysis tools. 5. Develop a comprehensive jewelry trend forecast and market analysis report. 	<p>Forecasting Process</p> <ul style="list-style-type: none"> • Scenario planning • Trend extrapolation • Predictive analytics <p>Global Trends and Influences</p> <ul style="list-style-type: none"> • Impact of fashion and lifestyle trends • Technological advancements • Economic and cultural factors <p>Consumer Behavior Analysis</p> <ul style="list-style-type: none"> • Understanding consumer Behaviour • Role of social media and influencers • Market segmentation <p>Market Analysis Tools</p> <ul style="list-style-type: none"> • SWOT analysis • PEST analysis • Competitive analysis <p>Field Work</p> <ul style="list-style-type: none"> • Case study analysis of successful jewelry brands • Workshop on advanced forecasting techniques 	
Module 3	Applying Trends in Design (Domestic Market)		1
	Learning Outcomes	Module Content	
	<p>After learning the module, learners will be able to</p> <ol style="list-style-type: none"> 1. Apply current design trends to create jewelry pieces 2. Evaluate the impact of trends on jewelry design and market demand. 	<ul style="list-style-type: none"> • Trends in India • Cultural influences on jewelry design • Trend analysis methods • Design principles and aesthetics • Material selection based on trends • Prototyping and mock-ups 	

Module 4	Innovations and Market Readiness (International Market)		1
	Learning Outcomes	Module Content	
	<p>After learning the module, learners will be able to</p> <ol style="list-style-type: none"> 1. Evaluate the feasibility of trend-driven designs for commercial success. 2. Prepare trend reports and pitch ideas 3. Assess market demand and create collection as per the trend requirement 	<ul style="list-style-type: none"> • Pricing strategies • Production techniques • Marketing and branding • Design principles and aesthetics • Material selection based on trends • Pitch collection 	

Assignments/ Activities towards CCE

1. Create a basic trend forecast using historical data and forecasting techniques
2. Create a comprehensive jewelry trend forecast and market analysis report including a case study.
3. Apply current design trends to create jewelry collection, considering materials, techniques, and aesthetics

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6.6 OJT

6.6	Industry Research Project (Pr)		Crs.
Course Outcomes	After going through the course, learners will be able to <ol style="list-style-type: none"> 1. Apply academic knowledge in real-world fashion industry settings. 2. Analyze business operations, supply chains, and market dynamics. 3. Develop solutions to industry problems using research and innovation. 4. Present professional reports aligned with industry standards. 		4
Sr. No.	Module Outcomes	Course Contents	Cr.
Module 1	Industry Selection & Proposal Development		1
	Learning Outcomes	Module Content	
	After learning the module, learners will be able to <ol style="list-style-type: none"> 1. Analyze different industry sectors and their working methods. 2. Select a suitable industry partner for the industry project. 3. Document a structured research proposal aligned with industry needs. 	<ul style="list-style-type: none"> • Industry segmentation: design, export, retail, e-commerce • Role selection (designer / merchandiser / marketing / production) • Industry gaps & problem identification to learn real business challenges • Proposal with clear deliverables + KPIs (key performance indicators) 	
Module 2	Industry Exposure & Learning		1
	Learning Outcomes	Module Content	
	After learning the module, learners will be able to <ol style="list-style-type: none"> 1. Apply theoretical knowledge in a real-world setting. 2. Develop problem-solving and analytical skills for industry applications. 	<ul style="list-style-type: none"> • Live project work under mentor • Understanding workflow systems (design → sampling → production → retail) 	

	3. Evaluate industry workflows, business operations, and sustainable practices.	<ul style="list-style-type: none"> • Exposure to digital tools (basic awareness) for routine workflow • Sustainability practices in industry, an overview • Weekly reporting (structured format) for research documentation 	
Module 3	Research Analysis & Documentation		1
	Learning Outcomes	Module Content	
	<p>After learning the module, learners will be able to</p> <ol style="list-style-type: none"> 1. Conduct systematic research and document industry observations. 2. Analyze industry practices and inculcate in the documentation. 3. Evaluate the impact of innovation and sustainability in fashion. 	<ul style="list-style-type: none"> • Data Collection Methods & Industry Research Techniques • Analyzing Market & Consumer Trends • Digital Transformation & New Business Models in Fashion • Comparative Industry Analysis & Best Practices • Structuring & Writing a Research Report • Citation & Ethical Use of Industry Data 	
Module 4	Final Presentation & Industry Jury		1
	Learning Outcomes	Module Content	
	<p>After learning the module, learners will be able to</p> <ol style="list-style-type: none"> 1. Present research findings effectively using professional tools 2. Concluding on further research possibilities 	<ul style="list-style-type: none"> • Professional research report writing in industry format • Presentation and visual storytelling with boards and projects • Presentation before panel (faculty + industry) • Reflection of the work, learning limitations or challenges, and career mapping 	

Assignments/ Activities towards CCE

1. Students will prepare a comprehensive industry research report including the project research proposal, documentation of industry exposure, analysis of workflows and practices, and present the findings through a final presentation and jury.

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