



FACULTY OF DESIGN

Four Year Undergraduate Programme

Bachelor of Design (Honours/ Honours with Research) Communication Design

Academic Year 2024-25 onwards

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1. Nature and extent of the program

The Faculty of Design offers the Bachelor of Design (B. Des.) Communication Design program, understanding the profound impact of effective communication in our interconnected world. This program is meticulously crafted to prepare students for the dynamic and evolving field of communication design, with a particular emphasis on Interaction Design, User Experience (UX) Design, and Information Design. Our goal is to equip students with the skills and knowledge necessary to excel in creating meaningful, user-centered communication solutions.

Our B. Des. Communication Design program focuses on three core areas: Interaction Design, User Experience (UX) Design, and Information Design. In Interaction Design, students learn to create intuitive and engaging interfaces that enhance user interaction with digital products, covering topics such as interface design principles, usability testing, and interactive prototyping to ensure seamless digital experiences. UX Design emphasizes the overall user experience with a product or service, teaching students to empathize with users, conduct thorough research, and apply human-centered design principles, including user research methods, information architecture, wireframing, and usability evaluation, to create meaningful and satisfying products. In Information Design, the program addresses the need to present complex information clearly and understandably, teaching students to organize and visualize data effectively through courses in data visualization, infographic design, and wayfinding, thus equipping them with the skills to produce visually compelling and accessible formats.

The B. Des. Communication Design program is designed to provide a holistic education that bridges creativity with strategic thinking, combining theoretical knowledge and practical application to help students deeply understand design principles and their real-world applications. Key highlights include an interdisciplinary approach that integrates graphic design, digital media, psychology, and technology for a well-rounded education; opportunities for industry engagement through internships, projects, and professional collaboration to build networks and gain industry insights; access to state-of-the-art facilities such as design studios, usability labs, and digital fabrication tools to support creativity and innovation; and a strong emphasis on ethical and sustainable design practices, encouraging students to consider the social and environmental impact of their work. Our commitment to an inclusive and supportive learning environment ensures that students from diverse backgrounds feel welcome and valued, enriching the learning experience and leading to more innovative and representative design solutions.

The B. Des. Communication Design program is dedicated to cultivating the next generation of communication designers, equipped with the skills to create impactful, user-centered, and sustainable design solutions. Our graduates are prepared to lead and innovate in the fields of interaction design, user experience design, and information design, driving the evolution of communication in a rapidly changing world.

2. PROGRAMME EDUCATIONAL OBJECTIVES (PEO's)

PEO No.	Education Objective
PEO1	Creative Design Proficiency:
	Graduates will demonstrate proficiency in creative communication design processes, including
	conceptualization, ideation, and development of innovative concepts that integrate aesthetic, cultural,
	and market influences, effectively applying these skills across various communication design mediums.
PEO2	Technical Competence:
	Graduates will possess technical skills in communication design, encompassing graphic design, digital
	media, typography, and interactive design, enabling them to translate design concepts into impactful
	visual and multimedia solutions that meet industry standards and user needs.
PEO3	Industry Relevance:
	Graduates will be equipped with an understanding of the global communication design industry,
	including emerging trends, audience behaviors, technological advancements, and sustainable practices.
	They will adapt to evolving industry demands and contribute effectively to diverse sectors such as
	advertising, branding, digital marketing, and user experience design.
PEO4	Communication and Collaboration:
	Graduates will demonstrate effective communication skills and the ability to collaborate with diverse
	stakeholders, including clients, users, interdisciplinary teams, and communication design industry
	professionals. They will proficiently convey design concepts, negotiate requirements, and execute
	UX/UI projects that meet strategic objectives and user expectations.
PEO5	Professionalism and Ethical Practice:
	Graduates will exhibit professionalism, integrity, and ethical responsibility in their conduct as
	communication designers, recognizing the social, cultural, and ethical implications of their
	communication design work. They will strive to create designs that promote inclusivity, diversity,
	sustainability, and positive societal impact.

3. GRADUATE ATTRIBUTES:

S. No.	Attributes	Description
1	Professional / Disciplinary Knowledge	Graduates will possess a comprehensive understanding of communication design principles, theories, and techniques, demonstrating proficiency in areas such as graphic design, typography, digital media, visual storytelling, and user experience design.
2	Technical / Laboratory / Practical Skills	Graduates will be adept in utilizing a wide range of tools, equipment, and technologies relevant to communication design, including graphic design software, digital media tools, interactive design platforms, and emerging technologies, ensuring their ability to create innovative and effective visual communication solutions.
3	Communication Skills	Graduates will effectively convey ideas, concepts, and design proposals through written, verbal, and visual means, demonstrating clear communication skills to engage with clients, collaborators, and stakeholders across diverse industries and communication design sectors.
4	Cooperation/Teamwork	Graduates will demonstrate the ability to collaborate effectively in multidisciplinary teams, fostering a cooperative and inclusive environment to achieve collective communication design & UX/UI goals and objectives. They will contribute their expertise while respecting diverse perspectives and roles within the team.
5	Professional Ethics	Graduates will uphold ethical standards and integrity in their professional practice as communication designers. They will demonstrate respect for intellectual property rights, ethical considerations in design decisions, and cultural sensitivity in representation and communication.
6	Research / Innovation- related Skills	Graduates will possess strong research capabilities to explore emerging trends, technologies, user behaviors, and design methodologies in communication design. They will integrate research findings into their design processes to foster innovation and creativity in their work.
7	Critical Thinking and Problem Solving	Graduates will analyze complex design challenges critically, employing strategic problem-solving skills to develop innovative and practical solutions that address user needs, business objectives, and societal impact within the dynamic landscape of communication design.
8	Reflective Thinking	Graduates will engage in reflective practice, evaluating their communication design processes, decisions, and outcomes to identify areas for improvement, personal growth, and professional development. They will continuously refine their skills and approaches based on self-assessment and feedback.
9	Information/Digital Literacy	Graduates will demonstrate proficiency in accessing, evaluating, and utilizing information from diverse sources, including digital platforms, databases, scholarly resources, and industry insights relevant to communication design.
10	Multi-cultural Competence	Graduates will exhibit cultural sensitivity and awareness, respecting diverse perspectives, traditions, and identities in their communication design practice. They will consider cultural implications and global contexts to create inclusive and meaningful design solutions.

11	Leadership Readiness/Qualities	Graduates will demonstrate leadership potential and qualities, inspiring and motivating others through effective communication, vision-setting, and decision-making within communication design projects and professional contexts. They will drive innovation and positive change in the field.
12	Lifelong Learning	Graduates will recognize the importance of continuous learning and professional development in the dynamic field of communication design. They will actively seek opportunities to enhance their skills, knowledge, and expertise, staying updated with industry trends and technological advancements.

4. QUALIFICATION DESCRIPTORS:

Knowledge and Understanding: Students will demonstrate a comprehensive understanding of communication design principles, theories, history, and the impact of visual culture on society. They will also grasp the fundamentals of typography, color theory, layout design, and branding.

Design Skills: Students will demonstrate a comprehensive understanding of communication design principles, theories, history, and the impact of visual culture on society. They will also grasp the fundamentals of typography, color theory, layout design, and branding.

Technical Competence: Students will acquire technical competence in design processes such as digital illustration, motion graphics, web design, and print production. They will be capable of executing design concepts with precision and quality using industry-standard software and technologies.

Creativity and Innovation: Students will exhibit creativity and innovation in conceptualizing and developing communication designs that are aesthetically pleasing, culturally relevant, and market-driven. They will demonstrate originality and flair in their design work.

Critical Thinking and Problem-Solving: Students will demonstrate critical thinking skills and the ability to analyze communication challenges, identify solutions, and make informed decisions in the context of communication design.

Communication and Presentation: Students will effectively communicate their design ideas through verbal, written, and visual means, presenting their work professionally to diverse audiences, including clients, and stakeholders.

Collaboration and Teamwork: Students will collaborate effectively with team members, clients, developers, marketers, and other stakeholders. They will demonstrate interpersonal skills, flexibility, and the ability to work collaboratively to achieve shared communication design goals.

Ethical and Professional Practice: Students will uphold ethical standards and professional integrity in all aspects of their work as communication designers. They will demonstrate awareness of social, cultural, and environmental implications and strive to create designs that promote inclusivity, diversity, and sustainability.

Industry Awareness and Adaptability: Students will develop an understanding of the global communication design industry, including trends, technologies, consumer behavior, and sustainable practices. They will demonstrate adaptability to evolving industry demands and emerging technologies.

Portfolio Development and Self-Promotion: Students will compile a professional portfolio showcasing their design projects, skills, and creative abilities. They will effectively promote themselves and their work to potential employers, clients, and collaborators.

Qualification for the admisison: 10+2 with 50% marks

Lateral entry: Candidate who have passed minimum 3 years Diploma after 10th and 1 or more years after 10+2 with 50% marks or equivalent in any branch of Fine Art/Paintng/Applied Art/Sculpture/Product Design/Communication Design/Craft/Mass Media/Photography/Advertsing/ Graphics/Animations Design/ Interior Design etc or other relevant or allied design subjects.

5. PROGRAMME OUTCOMES

РО	Attribute	Competency
No.		
PO1	Knowledge	Obtain comprehensive and specialized knowledge in communication design, encompassing
	Acquisition	principles, theories, techniques, and global perspectives. They will demonstrate the ability to
	•	discern, evaluate, analyze, synthesize, and integrate existing and new knowledge to enhance
		understanding and innovation in communication design.
PO2	Application of	Utilize their knowledge of design elements, principles, and communication concepts to
	Design	generate innovative designs across diverse domains. They will proficiently employ techniques
	Fundamentals	such as visual composition, typography, digital media, and interactive design to create
		prototypes and solutions that meet user needs and project objectives.
PO3	Design Thinking	Employ lateral and creative thinking to conceive and solve communication design problems.
		They will assess a broad range of viable and optimal solutions, considering public health,
		safety, cultural, societal, and environmental factors in their design processes to create
		impactful and responsible design solutions.
PO4	Business	Display comprehension of Communication and management principles, effectively applying
	Management	them in personal work and as leaders within interdisciplinary teams. They will competently
		manage projects across specific disciplines, integrating economic and financial considerations
		to achieve strategic and operational goals in communication design projects.
PO5	Sustainable	Embrace professional and intellectual integrity, adhering to ethical behavior and a
	Product	professional code of conduct in communication design and scholarly pursuits. They will
	Development	recognize the influence of research outcomes on professional practices and contribute to
		sustainable development within the field of communication design.
PO6	Visual	Effectively convey ideas visually through artistic digital illustrations, graphic illustrations,
	Communication	styling, photography, and visual display. They will utilize visual communication techniques
		to articulate concepts, narratives, and brand identities effectively to diverse audiences.
PO7	Collaborative and	Showcase collaborative and multidisciplinary skills through innovative projects, integrating
	Multidisciplinary	perspectives from design, technology, marketing, and other fields. They will contribute
	Work	effectively to team dynamics, demonstrating leadership and teamwork abilities in achieving
DOO	T'C 1 T '	collective design objectives.
PO8	Lifelong Learning	Exhibit a commitment to lifelong learning, continuously evolving their skills and knowledge
		in response to advancements in technology, industry trends, and user expectations. They will stay innegative and greative throughout their correction adopting to the dynamic landscore of
		stay innovative and creative unoughout their careers, adapting to the dynamic randscape of
DO0	Pasaarah Skills	Demonstrate adent research skills leveraging insights into historical cultural and market
109	Research Skills	trends to inform their design processes. They will conduct rigorous research resulting in
		conceptually rich and contextually relevant communication design solutions that resonate
		with target audiences.
PO10	Communication	Pursue diverse career paths in communication design, including roles such as graphic
1010	Design Career	designer, art director, UX/UI designer, digital marketer visual storyteller brand strategist
		and creative director. They will contribute to various sectors, including advertising, digital
		media, publishing, and corporate communications, among others.
PO11	Industry or	Pursue a professional career in the communication design industry or UI/UX industry
	Entrepreneurship	as a technical designer, information designer user experience designer user
	Career	interaction designer
	Cuitte	interaction designer.

6. PROGRAMME'S SPECIFIC OUTCOMES (PSOs):

PSO No.	Competency
PSO1	Design Research and Concept Development : Graduates will proficiently conduct design research to explore socio-cultural contexts, user behaviors, and technological innovations,
	translating insights into innovative communication design concepts and strategies that address complex communication challenges effectively.
PSO2	User Experience (UX) Design/ User Interface (UI) Design : Graduates will excel in UX/UI design principles, conducting user research, creating personas, prototyping interfaces, and conducting usability testing to ensure intuitive and user-centered design solutions across digital and interactive media projects.
PSO3	Visual Communication Expertise : Graduates will adeptly utilize principles of visual communication, including typography, layout, color theory, and imagery, to effectively convey messages across various media platforms, demonstrating a deep understanding of audience engagement and communication design objectives.
PSO4	Emerging Technologies and Design Innovation : Graduates will stay abreast of emerging technologies and trends in communication design, applying innovative approaches such as augmented reality (AR), virtual reality (VR), Information Design and interactive installations to push the boundaries of traditional communication methods and enhance user engagement.

7. COURSE STRUCTURE

SEMESTER – I

Course Code	Course	Course Title	Teaching			Credit	Marks Distribution		
	Туре			Hours /					
	• •			week	D		IAF	FSF	Total
				1	1		IAL	LOL	10141
15040101	DSC-1	History of Art and Design	4	0	0	4	60	40	100
15040102	DSC-2	Fundamentals of Design	0	0	8	4	60	40	100
15040103	DSC-3	Colors Theories in Design	0	0	8	4	60	40	100
15040104	SEC-1	Introduction to Design Process	0	0	4	2	30	20	50
	GE- 1	GE- 1	4	0	0	4	60	40	100
	AECC-1	AECC-1	2	0	0	2	30	20	50
	VAC-1	VAC-1	2	0	0	2	30	20	50
		Total			22				

Note – L: Lecture Hour/week, T: Tutorial Hour/week, P: Practical Hour/week, CL: Hour/week, C: Credits, IAE: Internal Assessment Examination, ESE: End Semester Examination.

$\mathbf{SEMESTER}-\mathbf{II}$

Course Code	Course	Course Title	Teaching		Teaching		Teaching		Ţ,	Credit	Mar	ks Distr	ibution
	Туре		Hours / Week		Hours / Week								
			L	Т	Р		IAE	ESE	Total				
15040201	DSC -4	Product Development Process	4	0	0	4	60	40	100				
15040202	DSC-5	Fundamentals of Drawing	0	0	8	4	60	40	100				
15040203	DSC-6	Design Research	0	0	8	4	60	40	100				
15040204	SEC-2	Material Exploration	0	0	4	2	30	20	50				
	GE- 2	GE- 2	4	0	0	4	60	40	100				
	AECC-2	AECC- 2	2	0	0	2	30	20	50				
	VAC-2	VAC-2	2	0	0	2	30	20	50				
		Total				22							

UG CERTIFICATE in Design - (Total Credit: 44)

Semester	Skill Enhancement Courses	Ability Enhancement compulsory Courses	Value Added Courses
Ι	Introduction to Design Process	Environment Science/ MIL	Value Added Course (VAC-1)
II	Material Exploration	Environment Science/ MIL	Value Added Course (VAC-2)

General Elective can be choosen from university umbrella courses offered by other departments / minor degree tracks

Students who wish to exit after the first two semesters will undergo a 4-credit workbased learning/internship during the summer term in order to get a UG Certificate.

SEMESTER – III

Course	Course Type	Course Title Teaching		ıg	Credit	Marks			
Code			Ног	Hours / Week			Distribution		
			L	Т	Р		IAE	ESE	Total
15040301	DSC-7	User Experience and Interaction Design	0	0	8	4	60	40	100
15040302	DSC-8	User Centred Design Process	0	0	8	4	60	40	100
15040303	DSC-9	Principles of Information Design	0	0	8	4	60	40	100
15040304	IACP/ SEC-3	Internship I	0	0	4	2	25	25	50
15040305	DSE-1	Design Thinking Skills or	0	0	8				
15040306	DSE-1	Interaction Design Skills OR	0	0	8	4	60	40	100
	GE 3	GE 3	4	0	0				
	AECC-3	AECC-3	2	0	0	2	30	20	50
	VAC-3	VAC-3	2	0	0	2	30	20	50
		Total				22			

SEMESTER - IV

Course Code	Course Type	Course Title	Course Title Teaching Hours / Week		Teaching Hours / Week		D	Mark istribu	s tion
			L	Т	Р		IAE	ESE	Total
15040401	DSC-10	User Research and Visual Communication	0	0	8	4	60	40	100
15040402	DSC-11	Design Studio I	0	0	8	4	60	40	100
15040403	DSC-12	Machine Learning for Designers	0	0	8	4	60	40	100
15040404	IACP/ SEC-4	Internship II	0	0	4	2	60	40	100
15040405	DSE-2	Notification and Dialogs Design Skills or	0	0	8	4			
15040406	DSE-2	Typography Skills OR	0	0	8	4	30	20	50
	GE 4	GE 4	4	0	0				
	AECC-4	AECC-4	2	0	0	2	30	20	50
	VAC-4	VAC-4	2	0	0	2	30	20	50
		Total		1		22			

UG DIPLOMA in Communication Design- (Total Credit: 88)

Semester	Discipline Specific Electives	IACP/ Skill	Ability Enhancement	Value Added Courses
		Enhancement Courses	Compulsory Courses	
III	DSE1: Design Thinking Skills /	Internship I	Environment Science/ MIL	Value Added Course
	Interaction Design Skills			(VAC-3)
IV	DSE2: Notification and Dialogs	Internship II	Environment Science/ MIL	Value Added Course
	Design Skills / Typography			(VAC-4)
	Skills			

SEMESTER - V

Course Code	Course Type	Course Title	T Ho	Teaching Hours / Week			Marks Distribution			
			L	Т	Р		IAE	ESE	Total	
15040501	DSC-13	Usability Engineering and User Testing	0	0	8	4	60	40	100	
15040502	DSC-14	Design Studio II	0	0	8	4	60	40	100	
15040503	DSC-15	Service Experience Design	0	0	8	4	60	40	100	
15040504	IACP/ SEC-5	Internship III	0	0	4	2	25	25	50	
15040505	DSE-3	Instructional System Design	0	0	8	4	(0)	40	100	
15040506	DSE-3	Instructional Design for Digital Products	0	0	8	4	00	40	100	
	GE- 5	GE- 5	E-5 4				30	20	50	
		Total	22							

SEMESTER – VI

Course Code	Course Type	Course Title	Te	Teaching			Marks		
			Hour	Hours / Week			Distribution		
			L T P				IAE	ESE	Total
15040601	DSC-16	User Data Analytics and User Modelling	0	0	8	4	60	40	100
15040602	DSC-17	Augmented Reality and Virtual Reality	0	0	8	4	60	40	100
15040603	DSC-18	Interactive System Design	0	0	8	4	60	40	100
15040604	IACP/ SEC-6	Internship IV	0	0	4	2	25	25	50
15040605	DSE-4	Semiotics of Digital Interfaces	0	0	8	4	60	40	100
15040606	DSE-4	Design Semantics		0	8				
	GE-6	GE-6	0 0 4			2	30	20	50
		Total		22					

Bachelor of Design (Honours) Communication Design (Total Credits: 132)

Semester	Discipline Specific Electives	IACP/ Skill Enhancement Courses
V	DSE3: Instructional System Design/ Instructional Design for Digital Products	Internship III/ Industry Project III
VI	DSE4: Semiotics of Digital Interfaces / Design Semantics	Internship IV/ Industry Project IV

SEMESTER -- VII

Course Code	Course	Course Title	Teacl Week	hing Ho	urs /	Credit	M Distr			
	туре		L	Т	Р		IAE	ESE	Total	
15040701	DSC-19	Communication Portfolio	0	0	8	4	60	40	100	
15040702	DSE 5	User Data Analytics and User Modelling	8	4	60	40	100			
15040703	DSE 5	Infographics AND	0	0	8				100	
15040704	DSE 6	Visual Interface Design	0	0	8	4	60	40	100	
15040705	DSE 6	Film and Video Design AND	0	0	8	4	60	40	100	
15040706	DSE 7	UI Guidelines and Applications or	0	0	8		60	40	100	
15040707	DSE 7	Communication Design Research OR	0	0	8	4	00	40	100	
	GE-7	GE-7	4	0	0					
15040708	RP 1	Dissertation I	0	0	12	6	50	50	100	
		Total	Total							

SEMESTER -- VIII

Course Code	Course Type	Course Title	Teaching Hours / Week			Credit	Marks Distribution			
			L	L T P			IAE	ESE	Total	
15040801	DSC-20	Communication Design Project008					60	40	100	
15040802	DSE 8	UX Design for Social Needs	8	4	60	40	100			
15040803	DSE 8	Creativity and Innovation in Design AND	0	0	8					
15040804	DSE 9	Personalised and Adaptive Interfaces	0	0	8	4	60	40	100	
15040805	DSE 9	Inclusive Design AND	0	0	8					
15040806	DSE 10	User Survey Design	0	0	8	4	60	40	100	
15040807	DSE 10	10 User Experience Design		0	8					
15040808	RP 2	Dissertation II 0 0				6	50	50	100	
		Total	22							

Degree in Bachelor of Design (Honours with Research) Communication Design (Total Credit = 176)

Semester	Discipline Specific Electives	Dissertation / Research Project
VII	 DSE 5: User Data Analytics and User Modelling/ Infographics AND DSE 6: Visual Interface Design/ Film and Video Design AND DSE 7 or GE 7: UI Guidelines and Applications/ Communication Design Research or GE7 	Dissertation -I
VIII	DSE 8: UX Design for Social Needs/ Creativity and Innovation in Design ANDDSE 9: Personalised and Adaptive Interfaces/ Inclusive Design ANDDSE 10: User Survey Design / User Experience Design	Dissertation - II

8. SEMESTER-WISE COURSE DETAILS

SEMESTER – I

Course Code	Course Type	Course Title	,	Teaching Hours / Week			Marks Distribution		
			L	T	Р		IAE	ESE	Total
15040101	DSC-1	History of Art and Design	4	0	0	4	60	40	100
15040102	DSC-2	Fundamentals of Design	0	8	4	60	40	100	
15040103	DSC-3	Colors Theories in Design	0	0	8	4	60	40	100
15040104	SEC-1	Introduction to Design Process	0	0	4	2	30	20	50
	GE- 1	GE- 1	4	0	0	4	60	40	100
	AECC-1	AECC-1		0	0	2	30	20	50
	VAC-1	VAC-1	2	0	0	2	30	20	50
		Total	22						

Note – L: Lecture Hour/week, T: Tutorial Hour/week, P: Practical Hour/week, CL: Hour/week, C: Credits, IAE: Internal Assessment Examination, ESE: End Semester Examination.

Name of	f the I	Depart	tment		Facul	ty of I	Desigr	1							
Name of	f the I	Progra	m		B. De	es. (Ho	onours	/ Hone	ours w	ith Res	search)	Comm	unicatio	on Desi	gn
Course	Code				15040	101									
Course	Title				Histo	ry of A	Art an	d Desi	gn						
Academ	ic Ye	ar			Ι										
Semeste	r				Ι										
Number	r of C	redits			4										
Course Prerequisite NA															
Course	Synop Outco	osis omes:			The "History of Art and Design" course offers an exploration of art a design evolution from ancient times to today. Students will study k historical periods, movements, influential figures, and significant work understanding the cultural, social, and political contexts that shaped vario styles and practices. Through lectures and critical discussions, students w recognize diverse media and techniques, from traditional to modern digit works. By the course's end, students will recall major milestone understand influential contexts, apply historical knowledge to contempora analysis, critically evaluate various influences, and create works inspired historical principles. This course cultivates a comprehensive perspective art and design history, equipping students with the knowledge to apprecia and contribute meaningfully to the field.							of art and study key ant works, ed various idents will ern digital nilestones, temporary nspired by pective on appreciate			
At the en	nd of t	he cou	irse st	udents	will t	be able	e to:								
CO1		Rer	nembe	er: Reca	all key	histori	ical per	riods, r	novem	ents, an	d influe	ntial fig	ures in a	art and c	lesign.
CO2		Une	derstan	nd: Cor	nprehe	nd the	princi	ples, pl	nilosop	ohies, an	id conte	xts behi	nd vario	us art n	novements
CO3		Apj	ply: Ut nents.	ilize h	s. istorica	ıl knov	vledge	to anal	yze an	d comp	are cont	empora	ry and h	istorica	l design
CO4		Ana	alyze:	Critica	lly eva	luate tl	he influ	uence o	of cultu	ıral, soc	ial, and	politica	l factors	on the	evolution
C05		of a	urt and	design	l. origin	al desi	an con	conts i	nenirad	hy hist	orical a	rt and de	asian nr	ncinles	
Mappin	g of C	Course	Outc	omes	(COs)	to Pr	ograr	n Out	comes	s (POs)	& Pro	gram S	pecific	Outco	mes:
Mapping	with P	rogran	ıme Oı	ıtcome	s										
Cos	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PSO 1	PSO 2	PSO 3	PSO 4
CO1	3	3	2	3	3	3	3	-	2	-	3	-	-	-	-
CO2	2	2	3	3	2	3	3	-	3	-	2	-	-	-	-
<u>CO3</u>	3	3	3	3	3	3	3	-	2	-	3	-	-	-	-
C04	3	3	2 2	3	3	_	3	-	3	-	2	-	-	-	-
Averag	2.6	2.8	2.6	3	2.8	3	3		2.6		2.6				

1= Weak Correlation 2= Moderate Correlation

3= Strong Correlation

Cour	Course Content:								
L (1	Hours/Week)	T (Hours/Week)	P (Hours/Week)	Total Hour/Week					
	4	0	0	4					
Unit	Content			Competencies					
2	 Ancient and Overving petrogl Ancient Mesop Classic archite 	Classical Art ew of Prehistoric Art lyphs, and early sculp at Civilizations: Art a otamia, Egypt, Indus cal Antiquity: Greek cture, and their endus	t: Cave paintings, otures. nd design in Valley, and China. and Roman art, ring influence. e Art	 Remember: Identify key artworks and features of prehistoric, Mesopotamian, Egyptian, Indus Valley, and Chinese art (C1) Understand: Explain the cultural significance and evolution of art in ancient civilizations (C2) Apply: Compare stylistic elements from Greek and Roman art in contemporary design. (C3) Understand: Explain the significance of iconography, 					
	 Early C mosaic Mediev Europe Renais revival Europe 	Christian and Byzanti es, and architectural in val Art: Romanesque e. sance Art: Key artist of classical ideals in e.	ne Art: Iconography, nnovations. and Gothic styles in s, techniques, and the Italy and Northern	 architectural innovations, and the revival of classical ideals. (C2) Apply: Compare techniques and styles from medieval and Renaissance art in contemporary works. (C3) Create: Develop original works inspired by medieval and Renaissance art principles (C6) 					
3	 Unit 3: Baroque the wo Rococce the 18t Neocla Rococce express 	ue to Romanticism the Art: Dramatic expo rks of Caravaggio, B to: Lightness, eleganc th century. the century. the century of the construction the construction of the construction of the construction of the construction the construction of the construction of	 Remember: Identify key features of Baroque, Rococo, Neoclassicism, and Romanticism art styles. (C1) Understand: Explain the cultural and emotional significance of these art movement(C2) Apply: Compare techniques and themes from Baroque, Rococo, Neoclassicism, and Romanticism in current art.(C3) 						

4	 Unit 4: Modern Art Movements 19th Century: Realism, Impressionism, and Post-Impressionism. Early 20th Century: Cubism, Fauvism, Expressionism, and the impact of World Wars on art. Mid to Late 20th Century: Abstract Expressionism, Pop Art, Minimalism, and Conceptual Art. 	 Understand: Creation of low-fidelity prototypes. (C2) Apply: Iterative prototyping and rapid experimentation. (C3) Analyze: Testing and gathering feedback on prototypes. (C4)
5	 Unit 5: Contemporary Art and Design Late 20th to 21st Century: Digital art, new media, and the global art scene. Postmodernism: Deconstruction, appropriation, and diverse cultural influences. Current Trends: Sustainability in design, the influence of technology, and interdisciplinary practices in contemporary art and design. 	 Remember: Identify key characteristics of Realism, Impressionism, Post-Impressionism, Cubism, Fauvism, Expressionism, Abstract Expressionism, Pop Art, Minimalism, and Conceptual Art. (C1) Understand: Explain the social and historical contexts that influenced these modern art movements. (C2) Apply: Compare techniques and themes from modern art movements in contemporary works. (C3) Analyze: Evaluate the impact of 19th and 20th-century art movements on contemporary art. (C4)

Learning Strategies	Contact Hours				
Lecture	30				
Practical					
Seminar/Journal Club					
Small group discussion (SGD)					
Self-directed learning (SDL) / Tutorial	5				
Problem Based Learning (PBL)	10				
Case/Project Based Learning (CBL)	10				
Revision	5				
Others If any:					
Total Number of Contact Hours	60				

Learning Strategies and Contact Hours

Assessment Methods: Criteria rubrics and marks details are provided in Scheme of Examination

Formative (60 %)	Summative (40%)					
Periodic Assessment (10 Marks)	University End Term Examination (40					
	Marks)					
Professional Competency Assessment (10 Marks)						
Comprehensive Student Assessment (10 Marks)						
Discipline-Specific Activities Assessment (30						
Marks)						
Since the total marks of the external examination is 40, the examination will be conducted for						
50 Marks and then bring down to 40						

Nature of Assessment	C01	CO2	CO3	CO4	CO5
Periodic Assessment				\checkmark	-
Professional Competency Assessment					
Comprehensive Student Assessment					-
Discipline-Specific Activities Assessment					
University End Term Examination					

Feedback Proc	1. Student's Feedback						
References:	(List of reference books)						
Text Books:	·						
• E.H. G	Sombrich, "The Story of Art", Phaidon Publishers, UK, 1995.						
• H. Har	vard Arnason and Peter Kalb, "History of Modern Art", Prentice Hall Publishers,						
New J	ersey, USA, 2003.						
 Giorgi 	o Vasari, George Bull "The Lives of the Artists (Oxford World's Classics)",						
Pengui	in Classics, UK, 1987.						
• Yve-A	lain Bois, "Art Since 1900", Thames & Hudson Ltd, UK, 2016.						
Pratim	a Sheh "Dictionary of Indian Art and Artists by Pratima Sheh", Grantha						
Corpor	ration, India, 2007.						
Reference Boo	ks:						
• B. N. G	• B. N. Goswamy, "The Spirit Of Indian Painting: Close Encounters With 101 Great						
Works	1100-1900", Thames and Hudson, USA, 1995.						
• Rakhee USA,20	 Rakhee Balaran, Partha Mitter, "20th Century Indian Art", Thames and Hudson, USA,2022. 						

Name of the	e Depart	ment		Facult	y of D	esign								
Name of the	e Progra	m		B. Des. (Honours/ Honours with Research) Communication Design										
Course Cod	le			150401	02									
Course Title	e			Funda	mental	ls of D	esign							
Academic Y	lear			[
Semester				[
Number of	Credits			4										
Course Pre	requisite	<u>,</u>		NA										
Course Syn	opsis		,	The "I	Fundar	nental	s of D	esign'	course	e introd	uces fo	undatio	nal prir	nciples
	-			essenti	al for	effec	ctive v	visual	comm	unicatio	on and	creativ	e expre	ession.
				Studen	its exp	lore th	ne elen	nents o	of desig	n such	as line,	shape,	color, te	exture,
			:	space,	and	typog	raphy	, alon	gside	princip	les like	e balar	nce, co	ontrast,
				empha	sis, m	oveme	ent, un	nity, ai	nd prop	ortion.	Throug	sh pract	ical exe	ercises
				and th	eoreti	cal ins	sights,	stude	nts lear	n to a	pply the	ese prir	nciples	across
				variou	s desig	gn dise	cipline	es, incl	luding g	graphic	design.	, fashio	n desig	n, and
			1	interio	r desig	gn. The	e cours	se emp	hasizes	critical	thinkir	ig in de	sign dec	cision-
				making	g and	encou	irages	exper	vienel	lion wi	un anne	erent te	cnnique	es and
			-	ineuiu		uevelo	p a coi	liesive	visuali	languag	,e.			
Course Out	tcomes:													
At the end o	of the cou	rse stu	dents	will be	e able 1	to:								
CO1	Rer	nember	: Reca	ll key e	lement	ts and p	orincipl	es of d	esign, in	cluding	their de	finitions	and	
	app	lication	is in di	fferent	design	contex	ts.							
CO2	Uno	lerstand	d: Unde	erstand	the sig	gnificar	nce of c	lesign j	principle	es in enh	ancing v	visual co	mmunic	ation
	and	aesthet	tic app	eal.										
CO3	App	oly: Ap	ply pri	nciples	of des	ign effe	ectively	to cre	ate harm	nonious	composi	tions an	d solve d	design
	cha	llenges	•											
CO4	Ana	lyse: A	nalyse	existir	ng desi	gns and	l artwo	rks to e	evaluate	the use	of design	n elemer	nts and	
	prir	ciples	in achi	eving v	isual ii	mpact.								
CO5	Cre	ate: Cre	eate ori	ginal d	lesign s	solutior	ns that	demon	strate pro	oficiency	y in inte	grating c	lesign	
	eler	nents a	nd prin	ciples	to conv	vey inte	ended n	nessage	es or aes	thetics.				
Mapping of	f Course	Outco	omes (COs)	to Pro	gram	Outco	omes (POs)&	Progra	am Spe	cific Ou	itcomes	5:
Mapping with	Mapping with Programme Outcomes													
					DOC	PO7	DOO	DOA						
Cos PO	01 PO2	PO3	PO4	PO5	PUO	107	PUð	P09	PO10	PO11	PSO1	PSO2	PSO3	PSO4
CosPCCO12	PO1 PO2 2 2	PO3 2	PO4 -	PO5 2	3	3	- PU8	PO9	PO10 -	PO11 -	PSO1 2	PSO2 2	PSO3 -	PSO4
Cos PC CO1 2 CO2 2	PO2 2 2	PO3 2 3	PO4 - -	PO5 2 3	3 3	3	- -	2 3	PO10 - -	PO11 - -	PSO1 2 3	PSO2 2 3	- -	PSO4 - -
Cos PC CO1 2 CO2 2 CO3 3 CO4 2	PO2 2 2 3	PO3 2 3 3 2	PO4 - - -	PO5 2 3 3 2	3 3 2	3 3 3 2	- - -	PO9 2 3 2 3	PO10 - - -	PO11 - -	PSO1 2 3 3 2	PSO2 2 3 3	PSO3 - - -	PSO4 - - -
Cos PC CO1 2 CO2 2 CO3 3 CO4 3 CO5 3	PO2 2 2 3 3	PO3 2 3 3 3 2	PO4 - - - -	PO5 2 3 3 3 3	3 3 2 - - -	3 3 3 3 3	- - - -	2 3 2 3 3	PO10 - - - -	PO11	PSO1 2 3 3 3 3 3	PSO2 2 3 3 3 3 3	PSO3	PSO4 - - - -
Cos PC CO1 2 CO2 2 CO3 3 CO4 3 CO5 3 Average 2.0	PO2 2 2 3 3 6	PO3 2 3 3 2 2.6	PO4 - - - - -	PO5 2 3 3 3 3 2.8	PO0 3 2 - 2.6	3 3 3 3 3 3 3	- - - - -	PO9 2 3 2 3 3 2.6	PO10	PO11	PSO1 2 3 3 3 3 2.8	PSO2 2 3 3 3 3 2.8	PSO3	PSO4 - - - -

Cou	Course Content:								
L (Hours/Week)	Week) T (Hours/Week) P (Hours/Week) Total Hou							
	0	0	8		8				
Unit		Content			Competencies				
1	Introduction Definition and art, a brief on elements and p in various in Product and C Principles of Layout and C Visual Hierar Design: readat negative space	to Elements and Prine scope of design. How all forms of design, th principles. Importance dustries like Fashion ommunication. Composition omposition: grids, rule chy: organization, gro pility, hierarchy, alignn	• rom sign • sign tion, • ints. y in ing,	Understand: Explain the difference between design and art. (C2) Apply: Use design principles in various industries like fashion and interiors. (C3) Analyze: Evaluate composition techniques such as grids and the rule of thirds. (C4) Create: Develop designs utilizing visual hierarchy and typography principles. (C5)					
2	Design Elemen Types of lines at direction throu potential. Appli Design Elemen Basic geometric shapes and nat through form. A compositions. C Design Elemen Color theory an Properties of co tactile texture. C Incorporating t texture with oth	t – Lines Ind their visual effects. Cough lines. Line qua cation of lines in variou t – Shapes, Forms and c shapes and their visual ural forms. Creating of Application of shapes Composition of positive t - Colour and Textur Ind the color wheel and lor: hue, value, saturation Creating texture throug exture in design com- er elements.	e ic on gn	Understand: Explain how lines, shapes/forms, color, and texture influence visual design. (C2) Apply: Use lines to create emphasis and direction; apply shapes/forms and color theory in design compositions. (C3) Analyse: Evaluate the expressive potential of lines, the visual properties of shapes/forms, and the balance of texture in designs. (C4)					
3	Design Elemen Typeface selec Typographic hid spacing, and ke artistry. Design Elemen Definition and Creating texture using values an reflected light.	t – Typography tion, hierarchy, legible erarchy and readability rrning. Expressive typo t - Values and Sciogra importance of values es and patterns through d sciography. Core sh	tion. hent, phic sign. tion and	Understand: Explain the importance of legibility, alignment, and values in design. (C2) Apply: Utilize typography for hierarchy and readability; apply shading techniques to create textures. (C3) Analyse: Evaluate the use of values in compositions; analyze shadows and light effects. (C4) Create: Develop designs with expressive typography and effective use of shading and values for visual impact. (C5)					
4	Design Elemen Definition and i and negative sp emphasis. Role	tt - Space, Scale and p mportance of space in c bace by composition an of space in creating vis	roportion lesign. Utilizing Pos nd its visual impact sual hierarchy. Appl	• and ying •	Remember: Recall definitions of space, positive/negative space, scale, proportion, and the Golden Ratio. (C1) Understand: Explain the importance of				

 principles of space in design compositions. Understanding relationships between sizes and dimensions. The relationship between proportion, scale, and human perception. Golden ratio and other mathematical ratios in design. Enlargement and reduction methods. Grid-based scaling and proportion. Principles of Design Principles of Design Principles of Design Overview of design principles and their role in visual communication. Historical and cultural context of design principles. Importance of understanding the principles in design-making. Balance, Contrast. Movement. Balance and Contrast Symmetrical balance and asymmetrical balance. Radial balance. Creating visual interest and impact through contrast. Movement, Unity and Harmony. The illusion of motion(Designig) through/ with Movement. Repetition and pattern. Proximity and grouping of elements. Repetition and pattern. Proximity and grouping of elements. Creating visual interest and impact through contrast and color to establish focal points. Understanding relationships between points, scale, and the manny through proportion. The relationship between proportion, scale, and the mann preception. Golden ratio and other mathematical ratios in design. Enlargement and reduction method. Grid-based scaling and proportion. Achieving visual harmony through proportion. Integration and Concept Development. Sketching and fummbnaling. Applying multiple principles and design compositions. Balancing principles with elements of design compositions. Balancing principles in design compositions. Balancing principles in design compositions. Balancing principles with elements of design compositions. Balancing principles with elements of design compositin and accomprinciples with elements of design			
 communication. Historical and cultural context of design principles. Importance of understanding the principles in visual communication. (C2) Apply: Utilize principles such as balance, Apply: Utilize principles such as balance, Creating visual equilibrium through balance. Achieving balance and asymmetrical balance. Radial balance. Creating visual equilibrium through balance. Achieving balance through color, shape, and form. Value contrast and its role in creating emphasis. Contrast in size, shape, and texture. Creating visual interest and impact through contrast. Movement, Unity and Harmony The illusion of motion (Designing) through/ with Movement, repetition and pattern. Proximity and grouping of elements. Repetition, Rhythm and patterns. Establishing harmony through color as style. Balancing unity with variety. Emphasis and Focal Point Proportion and Scale Creating hierarchy and Establishing focal points through Visual. Contrast and color to establish focal points. Understanding relationships between sizes and dimensions. The relationship between proportion. Scale, and the human perception. Golden ratio and other mathematical ratios in design. Enlargement and reduction method. Grid-based scaling and proportional measurements. Achieving visual harmony through proportion. Integration and Application, Aesthetic qualities of Design Element Ideation and Concept Development. Sketching and Thumbnailing. Applying multiple principles in design. Exploring the relationship between principles and design compositions. Balancing principles with elements of design. Exploring the relationship between principles and design concepts. 	5	principles of space in design compositions. Understanding relationships between sizes and dimensions. The relationship between proportion, scale, and human perception. Golden ratio and other mathematical ratios in design. Enlargement and reduction methods. Grid-based scaling and proportional measurements. Achieving visual harmony through proportion.Principles of Design Overview of design principles and their role in visual	 space in design, visual impact of spac composition, and principles of proportion (C2) Apply: Utilize positive and negative spac effectively; apply principles of scale and proportion in design compositions. (C3) Analyse: Analyse the role of space in visual hierarchy and the relationship between sizes and dimensions. (C4) Understand: Explain the historical cultural, and aesthetic contexts of design
		 communication. Historical and cultural context of design principles. Importance of understanding the principles in design decision-making. Balance, Contrast,Unity and Harmony, Emphasis and Focal Point, Movement. Balance and Contrast Symmetrical balance and asymmetrical balance. Radial balance. Creating visual equilibrium through balance. Achieving balance through color, shape, and form. Value contrast and its impact on visual hierarchy. Color contrast and its role in creating emphasis. Contrast in size, shape, and texture. Creating visual interest and impact through contrast. Movement, Unity and Harmony The illusion of motion (Designing) through/ with Movement, repetition and pattern. Proximity and grouping of elements. Repetition, Rhythm and patterns. Establishing harmony through color and style. Balancing unity with variety. Emphasis and Focal Point Proportion and Scale Creating hierarchy and Establishing focal points. Understanding relationships between sizes and dimensions. The relationship between proportion, scale, and the human perception. Golden ratio and other mathematical ratios in design. Enlargement and reduction method. Grid-based scaling and proportional measurements. Achieving visual harmony through proportion. Integration and Application, Aesthetic qualities of Design Element Ideation and Concept Development. Sketching and Thumbnailing. Applying multiple principles in design. Exploring the relationship between principles and design. Exploring the relationship between principles and design compositions. 	 principles in visual communication. (C2) Apply: Utilize principles such as balance contrast, and emphasis to create visually impactful designs. (C3) Analyse: Analyse how balance, contrast movement, unity, and emphasi contribute to visual hierarchy and interest in design. (C4) Create: Develop aesthetically pleasind designs integrating multiple principles to achieve harmony and visual appeal. (C5)

Learning Strategies and Contact Hours

Learning Strategies	Contact Hours
Lecture	
Practical	90
Seminar/Journal Club	
Small group discussion (SGD)	5
Self-directed learning (SDL) / Tutorial	5
Problem Based Learning (PBL)	10
Case/Project Based Learning (CBL)	5
Revision	5
Others If any:	
Total Number of Contact Hours	120

Assessment Methods: Criteria rubrics and marks details are provided in Scheme of Examination

Formative (60%)	Summative (40%)				
Practical / Lab Proficiency (20 Marks)	University End Term Examination (40				
	Marks)				
Viva-Voce / Quiz / Lab Test/ Internal Jury (10 Marks)					
Documentation & Reporting (10 Marks)					
Discipline Specific Practical / Lab Activities (20					
Marks)					
Since the total marks of the external examination is 40, the examination will be conducted for 50					
Marks and then bring down to 40					

Nature of Assessment	CO1	CO2	CO3	CO4	CO5
Practical / Lab Proficiency		\checkmark			-
Viva-Voce / Quiz / Lab Test/ Internal Jury	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
Documentation & Reporting		\checkmark			-
Discipline Specific Practical / Lab Activities		\checkmark			\checkmark
University End Term Examination					

Feedback Process	1. Student's Feedback							
References: (I	List of reference books)							
Text Books:								
 An Illustrated Field Guide to the Elements & Principles of Art & Design, Joshua Field, lulu.com (Edition First Edition), 2018. Illustrated Elements of Art & Principles of Design, Gerald F Brommer,Crystal Productions, 2010. Designing with Color Chris Dorosz, J.R. Watson, Fairchild Book, 2010 Reference Books:								
 Design Elements, Color Fundamentals, Aaris Sherin, Rockport Publishers, 2012. Beyond Design, Sandra J. Keiser& Myrna B.Garner, Deborah Vandermar, Fairchild Books, 2017. Color and Design Marilyn DeLong, Barbara Martinson, Berg Publishers, 2013. 								

Name of the Department	Faculty o	f Desigi	1							
Name of the Program	B. Des. (l	Honours	/ Hone	ours w	vith Res	search)	Comm	unicatio	on Desi	gn
Course Code	15040103									
Course Title	Colors Th	neories i	n Desi	ign						
Academic Year	Ι									
Semester	Ι									
Number of Credits	4									
Course Prerequisite	NA									
Course Synopsis	The "Co	lors Th	eories	in D	Design"	course	e explo	ores the	e princ	iples and
	applicatio	ons of co	olor in	variou	ıs desig	gn discij	plines.	Student	s delve	into color
	theory, ir	cluding	the c	olor v	vheel,	color h	armony	, and t	he psyc	chological
	effects of color. Through practical exercises and theoretical discussions,									
	students learn to manipulate color to evoke emotions, convey messages, and								sages, and	
	graphic	design	interi	or de	sign. 1 esign	fashior	desio	n and	l digit:	al media
	emphasiz	ing both	n tradit	tional	and cor	ntempo	rary app	proache	es to col	or usage.
Course Outcomes:										
At the end of the course student	s will be at	ole to:								
CO1 Remember: Rec	all key prin	ciples of	color	theory,	includi	ng the c	olor wh	eel, prin	nary, se	condary,
and tertiary colo	ors.									
CO2 Understand: Un combinations in	derstand the	e psycho.	logical	and cu	iltural in	npacts of	of differe	ent colo	rs and co	olor
CO3 Apply: Apply p	rinciples of	color the	eory eff	fective	ly to cre	eate visu	ally app	ealing a	und harn	nonious
designs.	I		2		5		5 11	U		
CO4 Analyse: Analyse	se existing o	lesigns to	o evalu	ate the	use of	color in	convey	ing moo	d, tone,	and
meaning.										
CO5 Create: Create of a bioactives and a	riginal desi	gns that	demon	strate r	nastery	in using	g color to	o achiev	e specif	ic design
Manning of Course Outcomes	$(\mathbf{CO}\mathbf{c})$ to	Program	n Out			& Dro	arom S	nooifia	Outoo	mos
Mapping of Course Outcomes	(COS) to 1	riograi		comes	(105)		gi ani 5	pecific	Outco	mes.
Mapping with Programme Outcome	es									
Cos PO PO PO PO	PO PC	PO 7	PO	PO	PO1	PO1	PSO	PSO	PSO	PSO
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	5 0 2 -	3	ð -	2	-	-	2	2	-	-
CO2 2 2 3 -	3 -	3	-	3	-	- 1	3	3	-	-
CO3 3 3 3 -	3 -	3	-	2	-	-	3	3	-	-
CO4 3 3 3 -	3 -	3	-	3	-	-	3	3	-	-
CO5 3 3 2 -	3 -	3	-	3	-	-	3	3	-	-
Averag 2.6 2.6 2.6	2.8	3		2.6			2.8	2.8		
1= Weak Correlation 2= Moderat	e Correlatio	n	3=Str	rong C	orrelatio	on		1	I	<u> </u>

Course Content:								
L (Hours/Week)	T (Hours/Week)	P (Hours/Week)	Total Hour/Week				
	0	0	8	8				
Unit		Content		Competencies				
1	 Unit 1: Found proper Color applica Color colors; Color triadic. Psychomeaning 	dations of Color The luction to Color: Bas ties of color (hue, val Systems: RGB, CMY ations in digital and p Wheel: Primary, seco understanding color Harmony: Complem , and other color sche ological Effects of Con ngs, emotions evoked	 Remember: Recall basic color concepts, properties (hue, value, saturation), and color systems (RGB, CMYK). (C1) Understand: Understand the application of RGB and CMYK in digital and print design. (C2) Apply: Apply knowledge of primary, secondary, tertiary colors, and color relationships in design. (C3) Analyse: Analyse color harmonies such as complementary, analogous, and triadic schemes. (C4) 					
2	 Unit 2: Appli Communicat Color brandit Color consid Color publica Case S project Practi mood t theory 	cation of Color in Vi ion in Graphic Design: ng, advertising, and u in Web Design: Acc erations, trends in col in Print Design: Col ation design, packagin Studies: Analysis of s emphasizing effecti cal Exercises: Creati boards, and mock des principles.	 Understand: Understand accessibility considerations and current trends in color usage. (C2) Apply: Apply color theory effectively in branding, advertising, UI design, and publication design. (C3) Analyse: Analyse successful design projects to understand effective color usage. (C4) Create: Create color palettes, mood boards, and mock designs demonstrating mastery of color theory principles in various design applications. (C5) 					
3	 Unit 3: Color and atr Color spaces Sustai trends Case S project 	in Environmental a Psychology in Desig nospheres with color. in Spatial Design: U , enhance functionalit nable Design: Eco-fr in sustainable color d Studies: Analysis of i ts focusing on color a	 Understand: Understand the role of color in defining spaces and enhancing functionality in spatial design. (C2) Apply: Apply eco-friendly color choices and sustainable color design trends in design projects. (C3) Analyse: Analyse different design projects to evaluate the impact and effectiveness of color as a central element. (C4) 					

Studio Projects: Designing interior spaces/ communication/ animation/ product design and environments based on color theories.	
 4 Unit 4: Color Application in Design Color Trends in Design: Forecasting and applying seasonal color palettes. Color in Textile Design: Patterns, textures, and color interactions in fabrics. Cultural Influences on Fashion Color: Global perspectives on color symbolism. Case Studies: Examination of fashion collections and textile designs emphasizing color theory. Or communication/ product / interior/ animation case study. Design Workshops: Creating different designs using color theory principles. 	 Understand: Understand the application of seasonal palettes, textile interactions, and global color symbolism. (C2) Apply: Apply color theory principles in fashion, textile, product, interior, or animation design. (C3) Analyse: Analyse case studies of design projects emphasizing effective color theory application. (C4) Create: Create designs in workshops that demonstrate proficiency in using color theory principles across different design disciplines. (C5)
 5 Unit 5: Advancements of Color Theories in Design Color in Digital Media: Color correction, color management, and digital art techniques. Experimental Color Techniques: Exploring unconventional uses of color in design. Contemporary Issues in Color Design: Ethics, diversity, and inclusivity in color choices. Final Project: Independent research or design project demonstrating mastery of color theories. Portfolio Development: Compiling and presenting design work showcasing understanding and application of color theories. 	 Understand: Understand experimental color techniques and contemporary issues in color design. (C2) Apply: Apply color management principles and unconventional color uses in design projects. (C3) Analyse: Analyse ethical and diversity considerations in color choices. (C4) Create: Create a final project demonstrating mastery of color theories and develop a portfolio showcasing design work with sophisticated color applications. (C5)

Learning Strategies and Contact Hours

Learning Strategies	Contact Hours
Lecture	
Practical	90
Seminar/Journal Club	
Small group discussion (SGD)	5
Self-directed learning (SDL) / Tutorial	5
Problem Based Learning (PBL)	10
Case/Project Based Learning (CBL)	5
Revision	5
Others If any:	
Total Number of Contact Hours	120

Assessment Methods: Criteria rubrics and marks details are provided in Scheme of Examination

Formative (60%)	Summative (40%)				
Practical / Lab Proficiency (20 Marks)	University End Term Examination (40				
	Marks)				
Viva-Voce / Quiz / Lab Test/ Internal Jury (10 Marks)					
Documentation & Reporting (10 Marks)					
Discipline Specific Practical / Lab Activities (20					
Marks)					
Since the total marks of the external examination is 40, the examination will be conducted for 50					
Marks and then bring down to 40					

Nature of Assessment	CO1	CO2	CO3	CO4	CO5
Practical / Lab Proficiency	\checkmark		\checkmark	\checkmark	-
Viva-Voce / Quiz / Lab Test/ Internal Jury	\checkmark		\checkmark	\checkmark	\checkmark
Documentation & Reporting	\checkmark		\checkmark	\checkmark	-
Discipline Specific Practical / Lab Activities	\checkmark		\checkmark	\checkmark	\checkmark
University End Term Examination					

Feedback Process		1. Student's Feedback				
References: (List of reference books		s)				
Text Books:						
 Color and Meaning: Art, Science, and Symbolism, John Gage, Univ of California Pr, 2000. Color Theory, Patti Mollica; Walter Foster Publishing, 2013. The Secret Language of Color, Arielle and Joann Eckstut, Black Dog & Leventhal, 2013. 						
Reference Books:						
 Interaction of Color by Josef Albers, Nicholas Fox Weber, Yale University Press, 2013. Color Psychology And Color Therapy, Faber Birren, Ingram Short Title, 2013. 						

Name	of the	Depar	rtmen	t	Faculty of Design										
Name	of the	Progr	am		B. D	es. (H	onours	/ Hon	ours w	ith Res	earch)	Commu	inicatio	n Desig	n
Cours	e Code	9			15040	104									
Cours	e Title	tle Introduction to Design Process													
Acade	mic Y	ear			Ι										
Semes	ter				Ι										
Numb	er of (Credits	5		2										
Cours	e Prer	equisi	te		NA										
Course Synopsis					Designed a concept of the concept of	Design Process offers a structured exploration of the creative journey from concept to realization, providing students with a comprehensive understanding of the principles and stages involved in effective design. Through a blend of theoretical concepts and practical exercises, students learn to navigate each phase of the design process, including research, ideation, conceptualization, prototyping, iteration, and refinement. Emphasizing creativity, critical thinking, and problem-solving skills, this course equips students with the tools and methodologies to generate innovative design solutions across various disciplines, from product and graphic design to fashion and interior design. Through hands-on projects, critiques, and case studies, students gain practical experience in applying design principles and techniques, fostering a holistic approach to design thinking and practice.									
CO1		Re	ememb	er: Gra	s will	gn thi	nking's	role in	proble	em-solvi	ng.				
CO2		Uı	ndersta	nd: Co	mprehe	end use	er resea	rch for	empat	thetic de	sign.				
CO3		A	oply: U	Jtilize i	deatior	n for di	verse d	lesign s	solution	ns.	-				
CO4		Aı	nalyse:	Refine	e desigi	ns thro	ugh us	er feed	back ai	nalysis.					
CO5		Cr	eate: C	Commu	nicate	design	concep	ots effe	ctively	' .					
Mappin	g of C	ourse	Outco	omes (COs)	to Pro	ogram	Outco	omes ((POs)&	Progr	am Spe	ecific O	utcome	s:
Mapping	with P	rogram	me Ou	tcomes											
Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3	PSO4
<u>CO1</u>	-	3	2	3	3	-	3	-	2	-	3	-	-	-	-
<u>CO2</u>	-	2	3	3	2	-	3	-	3	-	2	-	-	-	-
$\frac{005}{004}$	-	3	3	3	3	-	3	-	2	-	2	_	-	-	-
<u>CO5</u>	_	3	2	3	3	-	3	_	3	_	3	_	_	_	_
Average		2.8	2.6	3	2.8		3		2.6		2.6				
– Woolz (Correla	tion	$2 \equiv Mc$	oderate	Correl	ation		R = Stro	ng Cor	relation		1	1	1	

Cour	se Content:			
L (I	Hours/Week)	T (Hours/Week)	P (Hours/Week)	Total Hour/Week
	0	0	4	4
Unit	Content			Competencies
1 2	Introduction t Understa thinking. Explorin Overview Introduc Empathize an Conduct and surveys. Analyzir Creating Defining	to Design Thinking a anding the principles ag the design process w of the importance of tion to design research d Define ing user research: inten ng research findings a user personas and er g design challenges ar	and Design Process and foundations of design and its stages. of user-centered design. th methods. erviews, observations, and identifying user needs. npathy maps. and problem statements.	 Remember: Principles of design thinking. (C1) Understand: Foundations of the design process. (C2) Apply: Implementing user-centered design principles. (C3) Understand: Analysis of research findings and user needs. (C2) Apply: Developing user personas and empathy maps. (C3) Create: Crafting actionable insights for design solutions. (C6)
3	Ideate Technique brainstorming, Using det technique. Collabor Prioritizit concepts.	ues for generating cre mind mapping, and s esign thinking tools li rative ideation sessior ing ideas and selectin	 Remember: Techniques for creative idea generation. (C1) Understand: Utilization of design thinking tools like "How Might We". (C2) Apply: Conducting collaborative ideation sessions. (C3) 	
4	 Prototype Introduc Building wireframes, an Iterative Testing a Test and Refin Conduct 	tion to prototyping to low-fidelity prototyp d storyboards. prototyping and rapid and gathering feedbac ne & Presentation and ing user testing session	ools and techniques. bes: paper prototypes, d experimentation. ck on prototypes. nd Reflection ons.	 Understand: Creation of low-fidelity prototypes. (C2) Apply: Iterative prototyping and rapid experimentation. (C3) Analyze: Testing and gathering feedback on prototypes. (C4) Remember: Conducting user testing sessions. (C1)
	 Analyzir Iterating Incorpor Creating Effective Reflecting for improveme Reviewing outcomes. 	ng user feedback and and refining designs ating user feedback is compelling design p e communication of d ng on the design proc nt. ng the overall design	observations. based on test results. nto the design process. resentations. lesign ideas and solutions. ess and identifying areas journey and project	 Understand: Analysis of user feedback and observations. (C2) Apply: Iterating and refining designs based on test results. (C3) Analyze: Incorporating user feedback into the design process. (C4)

Learning Strategies	Contact Hours
Lecture	
Practical	45
Seminar/Journal Club	
Small group discussion (SGD)	
Self-directed learning (SDL) / Tutorial	5
Problem Based Learning (PBL)	5
Case/Project Based Learning (CBL)	5
Revision	
Others If any:	
Total Number of Contact Hours	60

Learning Strategies and Contact Hours

Assessment Methods: Criteria rubrics and marks details are provided in Scheme of Examination

Formative (60%)	Summative (40%)				
Practical / Lab Proficiency (10 Marks)	University End Term Examination (20 Marks)				
Viva-Voce / Quiz / Lab Test/ Internal Jury (5 Marks)					
Documentation & Reporting (5 Marks)					
Discipline Specific Practical / Lab Activities (10					
Marks)					
Since the total marks of the external examination is 20, the examination will be conducted for 50					
Marks and then bring down to 20					

Nature of Assessment	C01	CO2	CO3	CO4	CO5
Practical / Lab Proficiency	\checkmark		\checkmark	\checkmark	-
Viva-Voce / Quiz / Lab Test/ Internal Jury	\checkmark		\checkmark		
Documentation & Reporting			\checkmark		-
Discipline Specific Practical / Lab Activities	\checkmark		\checkmark		
University End Term Examination	\checkmark		\checkmark		

Feedback Process		1. Student's Feedback				
References:	(List of reference books	3)				
Text Books:						
 Design Thinking: Creating Learning Journeys That Get Results- Sharon Boller and Lau Fletcher, Published by ATD Press publication, (195049618X ISBN) The Design Process - Karl Aspelund, Published by Fairchild Books publication (1609018389 ISBN) 						
Reference Books:	Reference Books:					
 Design Thin Published b Sywam cou Ramadurai, 	nking: Understanding Ho y Bloomsbury Publishin rse on design Thinking - Published by IIT Madra	ow Designers Think and Work - Nigel Cross, g India Private Limited. (1847886361 ISBN) A Primer- Prof. Ashwin Mahalingam, Prof. Bala s.				

SEMESTER – II

Course Code	Course	Course Title	T	eaching	ç	Credit	Marks Distribution		
	Туре		Hou	rs / We	eek				
			L	Т	Р		IAE	ESE	Total
15040201	DSC -4	Product Development Process	4	0	0	4	60	40	100
15040202	DSC-5	Fundamentals of Drawing	0	0	8	4	60	40	100
15040203	DSC-6	Design Research	0	0	8	4	60	40	100
15040204	SEC-2	Material Exploration	0	0	4	2	30	20	50
	GE- 2	GE- 2	4	0	0	4	60	40	100
	AECC-2	AECC- 2	2	0	0	2	30	20	50
	VAC-2	VAC-2	2	0	0	2	30	20	50
		Total				22			

UG CERTIFICATE in Design - (Total Credit: 44)

Name of the Department					Faculty of Design										
Name of the Program					B. Des. (Honours/ Honours with Research) Communication Design									gn	
Course Code 15040201															
Course '	Title				Produ	ict De	velopi	nent P	roces	8					
Academ	ic Ye	ar			Ι										
Semeste	r				Π										
Number	of C	redits			4										
Course	Prere	quisit	e		NA										
Course Synopsis					The "Product Development Process" course explores the systematic approach to designing and launching new products. It covers the entire lifecycle from idea generation to market introduction, focusing on research, design, prototyping, testing, and production. Students learn about consumer insights, market trends, feasibility analysis, and manufacturing considerations essential for successful product development across various industries.										
Course (Course Outcomes:														
CO1			nembe	r: Rec:	all kev	stages	in the	produc	rt deve	lonmen	t lifecyc	le inclu	iding ide	eation d	esion
001		pro	totypir	ig, test	ing, an	d launo	ch.	produc	it de ve	iopinen	t meeye	ie, meie	iang ia	ution, u	esign,
CO2		Un	derstan	d: Und	lerstan	d the in	mporta	nce of	marke	t resear	ch, cons	umer in	sights, a	nd feasi	bility
CO3		Ap	ply: Ap	oply pr	oduct o	levelop	pment	method	lologie	es and to	ools to c	reate in	novative	and ma	rket-ready
CO4		pro	ducts.	A a 1a	o		da							. :	una du at
04		des	ign dec	cisions	e mark	et tren	us, coi	npetti	ve proc	Jucis, al	na const	imer be	navior u) miorin	product
CO5		Cre	eate: Ci	eate co	ompreh	ensive	e produ	ict deve	elopme	ent plan	s, protot	ypes, ar	nd strate	gies that	address
		ma	rket ne	eds an	d achie	ve bus	iness c	bjectiv	ves.	<u> </u>			1.01	<u> </u>	
Mappin	g of C	ourse	Outc	omes	(COs)	to Pr	ogran	n Out	comes	5 (POs)	& Prog	gram S	pecific	Outco	mes:
Mapping	with P	rogran	nme Ou	itcome	s										
Cos	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO1	PO1	PSO	PSO	PSO	PSO
CO1	1	2	$\frac{3}{2}$	4	5	6	7	8	9 2	0	1	1	2	3	4
CO1	-	2	3	3	2	-	3	-	3	-	2	_	-	-	_
CO3	-	3	3	3	3	-	3	-	2	-	3	-	-	-	-
CO4	-	3	3	3	3	-	3	-	3	_	2	_	-	-	-
CO5 - 3 2 3		3	3	-	3	-	3	-	3	-	-	-	-		
Averag e		2.8	2.6	3	2.8		3		2.6		2.6				
1= Weak C	Correla	tion	2= M	oderate	e Corre	lation		3= Str	rong C	orrelatio	on				
Course	Course Content:														

L (Hours/Week)		T (Hours/Week)	P (Hours/Week)	Total Hour/Week		
	4	0	0	4		
Unit	Content			Competencies		
1	 Unit 1: Introd Overving importation Market Idea G Techni Feasib econom Case S launchet 	iew of Product Deve ance, and process ove et Research: Underst trends, and competit deneration and Conce ques for brainstormin ility Analysis: Evalu nic, and legal feasibil tudies: Analysis of s es and failures.	 Remember: Recall stages of product development: ideation, research, concept development. (C1) Understand: Understand the importance of market research and feasibility analysis. (C2) Apply: Apply techniques for generating and refining product ideas. (C3) Analyse: Analyse case studies to identify factors contributing to product success or failure. (C4) 			
2	 Unit 2: Design Producergono Prototeprinting Designproduceprocess Matericchoice Case Sedesign 	and Prototyping ct Design: Principles mic considerations, a yping Methods: Rap g, and physical protot for Manufacturing t designs for efficient ses. ial Selection: Factors and their impact on p tudies: Examination iterations in real-wor	of industrial design, nd aesthetics. id prototyping, 3D typing techniques. (DFM): Optimizing manufacturing influencing material product performance. of prototypes and ld projects.	 Understand: Understand prototyping methods like 3D printing and rapid prototyping. (C2) Apply: Apply design principles to create functional and aesthetically pleasing product prototypes. (C3) Analyse: Analyse prototype iterations to improve design and functionality. (C4) 		
3	 Unit 3: Testin Production User F feedbaction Regulation Qualition Qualition Case State Case State 	ag and Validation ct Testing: Types of ity, performance) and beedback and Iteratic ck to refine product d atory Compliance: U gulations for product so y Assurance (QA): I ses to ensure product ency. budies: Analysis of to fluence on product in	 Understand: Understand the role of user feedback in product refinement. (C2) Apply: Apply testing methodologies to ensure product reliability and usability. (C3) Analyse: Analyse testing results to identify areas for product improvement. (C4) 			

4	 Unit 4: Production Planning and Logistics Production Processes: Overview of manufacturing methods (e.g., mass production, custom manufacturing). Supply Chain Management: Logistics, sourcing, and procurement strategies. Cost Analysis and Budgeting: Estimating production costs and budget allocation. Sustainability in Production: Eco-friendly practices and considerations in product manufacturing. Case Studies: Evaluation of production challenges and solutions in different industries. 	 Understand: Understand supply chain management and logistics in product manufacturing. (C2) Apply: Apply cost analysis techniques to estimate production budgets. (C3) Analyse: Analyse sustainability practices in product production. (C4) Create: Create production plans and schedules for efficient manufacturing. (C5)
5	 Unit 5: Product Launching and Marketing Strategies Go-to-Market Strategy: Developing marketing plans, distribution channels, and sales strategies. Launch Planning: Timing, promotional campaigns, and public relations for product launches. Market Analysis: Monitoring market reception, competition, and sales performance. Post-Launch Evaluation: Assessing product success and gathering user feedback post-launch. Final Project: Designing and presenting a comprehensive product development plan for a new product. 	 Understand: Understand the importance of timing and promotional strategies in product launches. (C2) Apply: Apply market analysis techniques to assess product reception and competition. (C3) Analyse: Analyse post-launch data to evaluate product performance. (C4) Create: Create comprehensive launch plans and marketing campaigns for new products. (C5)

Learning Strategies	Contact Hours
Lecture	40
Practical	
Seminar/Journal Club	
Small group discussion (SGD)	
Self-directed learning (SDL) / Tutorial	5
Problem Based Learning (PBL)	5
Case/Project Based Learning (CBL)	5
Revision	5
Others If any:	
Total Number of Contact Hours	60

Learning Strategies and Contact Hours

Assessment Methods: Criteria rubrics and marks details are provided in Scheme of Examination

Formative (60 %)	Summative (40%)					
Periodic Assessment (10 Marks)	University End Term Examination (40 Marks)					
Professional Competency Assessment (10 Marks)						
Comprehensive Student Assessment (10 Marks)						
Discipline-Specific Activities Assessment (30						
Marks)						
Since the total marks of the external examination is 40, the examination will be conducted for 50						
Marks and then bring down to 40						

Nature of Assessment	CO1	CO2	CO3	CO4	CO5
Periodic Assessment		\checkmark			-
Professional Competency Assessment		\checkmark	\checkmark		\checkmark
Comprehensive Student Assessment					-
Discipline-Specific Activities Assessment					\checkmark
University End Term Examination					

Feedback Process	5	1. Student's Feedback				
References:	(List of reference books)					
Text Books:						
 Karl T. Ulrich and Steven D. Eppinger, "Product Design and Development", McGraw Hill Education, USA, 2015. Don Koberg and Jim Bagnall, "The Universal Traveler: A Soft-Systems Guide to Creativity, Problem-Solving, and the Process of Reaching Goals", William Kaufmann Inc, USA, 1991. Allan T. Shulman, "The Innovator's Toolkit: 50+ Techniques for Predictable and Sustainable Organic Growth", John Wiley & Sons, USA, 2009. Steven C. Wheelwright and Kim B. Clark, "Revolutionizing Product Development: Ouantum Leaps in Speed, Efficiency, and Ouality", Free Press, USA, 1992. 						
Reference Books:						
 Donald G. Reinertsen, "Managing the Design Factory: A Product Developer's Toolkit Free Press, USA, 1997. Scott D. Anthony, "The Little Black Book of Innovation: How It Works, How to Do It Harvard Business Review Press, USA, 2012. 						
 Geoffrey A. Moore, "Crossing the Chasm: Marketing and Selling High-Tech Products to Mainstream Customers", HarperBusiness, USA, 1991. Roland W. Schmitt, "High Technology Entrepreneurship", Cambridge University Press, UK, 1994. 						

Name of the De	epartment	Faculty of Design		
Name of the Pr	ogram	B. Des. (Honours/ Honours with Research) Communication Design		
Course Code		15040202		
Course Title		Fundamentals of Drawing		
Academic Year	•	Ι		
Semester		П		
Number of Cre	dits	4		
Course Prerequ	uisite	NA		
Course Synops	5	The course Fundamentals of Drawing serves as a foundational exploration of essential techniques and principles in visual art and design. Through a series of practical exercises and theoretical studies, students delve into the basic elements of drawing, including line, shape, form, space, value, and texture. Emphasis is placed on developing observational skills, understanding perspective, and mastering various rendering techniques using both traditional and contemporary drawing tools. Students explore the expressive potential of drawing across different subject matters, from still life and landscape to human anatomy and abstract compositions. The course integrates hands-on studio work with theoretical discussions on the historical and cultural contexts of drawing, providing students with a comprehensive understanding of its role in visual communication and artistic expression. By the end of the course, students are expected to demonstrate proficiency in fundamental drawing skills, the ability to analyze and critique artworks, and the application of theoretical principles in their creative practice. They will have developed a portfolio showcasing their progression in technical proficiency, creativity, and conceptual thinking through diverse drawing assignments. Ultimately, "Fundamentals of Drawing" prepares students for further specialization in design disciplines where drawing serves as a crucial tool for ideation, visualization, and communication of ideas.		
At the end of the course student		s will be able to:		
CO1	Remember: Recall fundamental drawing techniques such as line quality, shading, and perspective.			
CO2	Understand: Understand the principles of composition, proportion, and spatial relationships in drawing.			
СОЗ	Apply: Apply d human figures.	rawing techniques to create accurate representations of still life, landscapes, and		
CO4	Analyse: Analyse and critique drawings to identify strengths, weaknesses, and areas for			

 improvement.

 CO5
 Create: Create original artworks that demonstrate mastery of drawing techniques and express personal creativity.

Mapping of Course Outcomes (COs) to Program Outcomes (POs)& Program Specific Outcomes:

Mapping with Programme Outcomes

Cos	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO1	PO1	PSO	PSO	PSO	PSO
Cos	1	2	3	4	5	6	7	8	9	0	1	1	2	3	4
CO1	2	2	2	-	2	-	3	-	2	-	-	2	2	-	-
CO2	2	2	3	-	3	-	3	-	3	-	-	3	3	-	-
CO3	3	3	3	-	3	-	3	-	2	-	-	3	3	-	-
CO4	3	3	3	-	3	-	3	-	3	-	-	3	3	-	-
CO5	3	3	2	-	3	-	3	-	3	-	-	3	3	-	-
Averag	26	26	26		20		2		2.6			2.8	2.8		
e	2.0	2.0	2.0		۷.8		3								

1= Weak Correlation 2= Moderate Correlation

3= Strong Correlation

Course Content:

L (I	Hours/Week)	T (Hours/Week)	P (Hours/Week)	Total Hour/Week
	0	0	8	
Unit		Content		Competencies
1	 Unit 1: Introd Basic of erasers Unders drawin Introdu geome Still lift and spatcher eross-here 	drawing materials and c, charcoal, and ink. standing line: contour g, and expressive line action to shape and fo tric and organic shape drawing: compositi atial relationships. ses in mark-making a matching, stippling.	 Remember: Recall basic drawing materials and their uses. (C1) Understand: Understand different types of lines and their expressive qualities. (C2) Apply: Apply contour drawing techniques to represent forms. (C3) Analyse: Analyse the use of light and shadow in still life compositions. (C4) 	
2	 Unit 2: Persp Princip point, a Applyi environ Exercise through Underse and for Perspe- outdoo 	ective Drawing oles of linear perspect and three-point perspective ng perspective in arch mental drawing. ses in creating depth a h perspective. standing vanishing po reshortening. ctive drawing of obje or scenes.	 Understand: Understand how to apply perspective to create depth in drawings. (C2) Apply: Apply perspective drawing techniques to architectural subjects. (C3) Analyse: Analyse vanishing points and horizon lines in perspective drawings. (C4) 	

 3 Unit 3: Figure Drawing and Anatomy Human anatomy basics: proportions of the human body, skeletal structure, and major muscle groups. Life drawing sessions: gesture drawing, capturing movement and proportions. Understanding the human figure in different poses and perspectives. Exploration of drapery and clothing on the figure. Analyzing anatomical landmarks and their relevance in drawing. 	 Understand: Understand the major muscle groups and their role in figure drawing. (C2) Apply: Apply gesture drawing techniques to capture movement in figures. (C3) Analyse: Analyse the relationship between anatomy and drapery in figure drawing. (C4) Create: Create lifelike representations of the human figure in different poses. (C5)
 4 Unit 4: Composition and Design Principles Principles of composition: balance, symmetry, asymmetry, and focal points. Exploring positive and negative space in compositions. Exercises in creating dynamic compositions through visual hierarchy. Integrating elements of design: line, shape, value, and texture. Case studies of master artists and their compositional techniques. 	 Understand: Understand the use of positive and negative space in compositions. (C2) Apply: Apply principles of symmetry and asymmetry in composition. (C3) Analyse: Analyse master artists' use of focal points in their compositions. (C4) Create: Create dynamic and visually engaging compositions. (C5)
 5 Unit 5: Experimental Drawing Techniques Mixed media approaches: combining drawing with collage, digital tools, and unconventional materials, rendering techniques. Abstract drawing: exploring non-representational forms and concepts. Experimental mark-making: using alternative tools and methods. Conceptual drawing: expressing ideas, emotions, and narratives through drawing. Final project: creating a portfolio showcasing mastery of diverse drawing techniques and personal style. 	 Understand: Understand abstract drawing concepts and their significance. (C2) Apply: Apply experimental mark-making techniques to create textures. (C3) Analyse: Analyse the expressive potential of unconventional drawing materials. (C4) Create: Create conceptual drawings that convey ideas and narratives. (C5)

Learning Strategies and Contact Hours

Learning Strategies	Contact Hours
Lecture	
Practical	90
Seminar/Journal Club	
Small group discussion (SGD)	5
Self-directed learning (SDL) / Tutorial	10
Problem Based Learning (PBL)	5
Case/Project Based Learning (CBL)	5
Revision	5
Others If any:	
Total Number of Contact Hours	120

Assessment Methods: Criteria rubrics and marks details are provided in Scheme of Examination

Formative (60%)	Summative (40%)							
Practical / Lab Proficiency (20 Marks)	University End Term Examination (40 Marks)							
Viva-Voce / Quiz / Lab Test/ Internal Jury (10 Marks)								
Documentation & Reporting (10 Marks)								
Discipline Specific Practical / Lab Activities (20								
Marks)								
Since the total marks of the external examination is 40, the examination will be conducted for 50 Marks and								
then bring down to 40								

Nature of Assessment	CO1	CO2	CO3	CO4	CO5
Practical / Lab Proficiency			\checkmark	\checkmark	-
Viva-Voce / Quiz / Lab Test/ Internal Jury			\checkmark	\checkmark	\checkmark
Documentation & Reporting			\checkmark		-
Discipline Specific Practical / Lab Activities			\checkmark		\checkmark
University End Term Examination			\checkmark		\checkmark

Feedback Process	1. Student's Feedback						
References:	(List of reference books)						
Text Books:							
 Keys to Drawing, Bert Dodson, North Light Books, 1990. The Complete Book of Drawing, Barrington Barber, Arcturus Publishing, 2012. How to Draw What You See, Rudy De Reyna, Watson-Guptill Publications Inc.,U.S., 1996. 							
 The New Draw Figure Draw The Natural 2008 	awing on the Right Side of the Brain, Betty Edwards, HarperCollins, 2001 ring, Andrew Loomis, Titan Books, 2011 Way to Draw - A Working Plan for Art Study, Kimon Nicolaides, Souvenir Pre	SS,					

Name of the Program B. Des. (Honours/ Honours with Research) Communication Design Course Code 15040203 Course Title Design Research Academic Year I Semester II Number of Credits 4 Course Synopsis This course explores the methodologies and principles of conducting des research, emphasizing the role of research in informing and guiding des processes. Students will learn to critically analyze design problems, cond primary and secondary research, and apply research findings to deve innovative design solutions. The course covers various research methodologies and principles, including qualitative a quantitative approaches, user-centered design, ethnography, and tra analysis. Additionally, students will engage in case studies, practically projects, and workshops to enhance their research skills and understand ethical implications of design research. Course Outcomes: At the end of the course students will be able to: CO1 Remember: Recall key research methodologies and their application in design contexts. CO2 Understand: Understand the significance of research in identifying design opportunities and constraints. CO3 Apply: Apply research findings to generate insights that inform design decisions. CO4 Analyse: Research findings to generate insights that inform design decisions. CO3 Applicy Apply research findings to generate insights that inform design decisions.	[Name of the Department			Fac	Faculty of Design												
Course Code 15040203 Course Title Design Research Academic Year I Semester II Number of Credits 4 Course Prerequisite NA Course Synopsis This course explores the methodologies and principles of conducting des research, emphasizing the role of research in informing and guiding des processes. Students will learn to critically analyze design prohlems, cond primary and secondary research, and apply research findings to deve innovative design of chiferent design disciplines, including qualitative a quantitative approaches, user-centered design, ethnography, and tranalysis. Additionally, students will engage in case studies, practiprojects, and workshops to enhance their research skills and understand ethical implications of design research. Course Outcomes: At the end of the course students will be able to: CO1 Remember: Recall key research methodologies and their application in design contexts. CO2 Understand: Understand the significance of research in identifying design opportunities and constraints. CO3 Apply: Apply research techniques to gather and analyze data relevant to design models. Course Outcomes: Apply: Apply research techniques to gather and analyze data relevant to design projects. C04 Analyse: chargyse research findings to generate insights that inform design decisions. C05 Create: Create innovative design solutions based on synthe		Name of the Program			В.	B. Des. (Honours/ Honours with Research) Communication Design												
Course Title Design Research Academic Year I Semester II Number of Credits 4 Course Prerequisite NA Course Synopsis This course explores the methodologies and principles of conducting des research, emphasizing the role of research in informing and guiding des processes. Students will learn to critically analyze design prohems, cond primary and secondary research, and apply research findings to deve innovative design of chiferent design disciplines, including qualitative a quantitative approaches, user-centered design, ethnography, and tranalysis. Additionally, students will engage in case studies, practiprojects, and workshops to enhance their research skills and understand ethical implications of design research. Course Outcomes: At the end of the course students will be able to: CO1 Remember: Recall key research methodologies and their application in design contexts. CO2 Understand: Understand the significance of research in identifying design opportunities and constraints. CO3 Apply: Apply research techniques to gather and analyze data relevant to design brojects. CO4 Analyse: chaalyse research findings to generate insights that inform design decisions. CO5 Crearse Creare: Innovative design solutions based on synthesized research nuccomes: Mapping with Programme Outcomes 3 3 - - 2 2 - <t< th=""><th>-</th><th>Cou</th><th>rse Co</th><th>ode</th><th></th><th></th><th>150</th><th colspan="10">15040203</th></t<>	-	Cou	rse Co	ode			150	15040203										
Academic Year I Semester II Number of Credits 4 Course Prerequisite NA Course Synopsis This course explores the methodologies and principles of conducting des research, emphasizing the role of research in informing and guiding des processes. Students will learn to critically analyze design problems, cond primary and secondary research, and apply research findings to deve innovative design solutions. The course covers various research meth applicable to different design disciplines, including qualitative approaches, user-centered design, ethnography, and tr quantitative approaches, user-centered design, ethnography, and tr rejects, and workshops to enhance their research skills and understand ethical implications of design research. Course Outcomes: At the end of the course students will be able to: CO1 Remember: Recall key research methodologies and their application in design contexts. CO2 Understand the significance of research in identifying design opportunities and constraints. CO3 Apply: Apply research techniques to gather and analyze data relevant to design projects. CO4 Analyse: Analyse research findings to generate insights that inform design decisions. CO5 Create: Create innovative design solutions based on synthesized research outcomes: Mapping of Ourse Outcomes (COs) to Program Outcomes (POs)& Poil Poil PS03 PS0 CO3 3 3 <td< th=""><th>-</th><th colspan="4">Course Title</th><th>De</th><th colspan="10">Design Research</th></td<>	-	Course Title				De	Design Research											
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L (Hours/Week) T (Hours/Week) P (Hours/Week) Total Hour/Week	Co	urse	Con	tent:														
	L	L (Hours/Week) T (Hours			urs/Wee	k)	P (Ho	urs/Wee	k)		Т	otal Ho	our/Wee	k				

Learning Strategies and Contact Hours

Learning Strategies	Contact Hours				
Lecture					
Practical	90				
Seminar/Journal Club					
Small group discussion (SGD)	5				
Self-directed learning (SDL) / Tutorial	10				
Problem Based Learning (PBL)	5				
Case/Project Based Learning (CBL)	5				
Revision	5				
Others If any:					
Total Number of Contact Hours	120				

Assessment Methods: Criteria rubrics and marks details are provided in Scheme of Examination

Formative (60%)	Summative (40%)
Practical / Lab Proficiency (20 Marks)	University End Term Examination (40 Marks)
Viva-Voce / Quiz / Lab Test/ Internal Jury (10 Marks)	
Documentation & Reporting (10 Marks)	
Discipline Specific Practical / Lab Activities (20	
Marks)	
Since the total marks of the external examination is 40,	the examination will be conducted for 50 Marks
and then bring down to 40	

Nature of Assessment	CO1	CO2	CO3	CO4	CO5
Practical / Lab Proficiency	\checkmark	\checkmark		\checkmark	-
Viva-Voce / Quiz / Lab Test/ Internal Jury	\checkmark	\checkmark			\checkmark
Documentation & Reporting		\checkmark			-
Discipline Specific Practical / Lab Activities			\checkmark		\checkmark
University End Term Examination					

Feedback Process	1. Student's Feedback

References:	(List of reference books)
Text Books:	
Jorge Fras	cara, "Design Research: Methods and Perspectives", Fairchild Books, USA, 2004.
• Cees de B	ont, "Research in Design Thinking", Springer, Netherlands, 2009.
 Gjoko Mu 	ratovski, "Research for Designers: A Guide to Methods and Practice", Sage
Publication	ns, UK, 2016.
Paul Rodg	ers and Joyce Yee, "The Routledge Companion to Design Research", Routledge, UK, 2019.
Reference Books:	
Brenda La	urel, "Design Research: Methods and Perspectives", MIT Press, USA, 2003.
Rachel Co	oper, Mike Press, "The Design Agenda: A Guide to Successful Design Management",
John Wile	y & Sons, UK, 1995.
Nigel Cross	ss, "Design Thinking: Understanding How Designers Think and Work", Berg
Publishers	, USA, 2011.
Bernard W	7. Taylor III, "Introduction to Management Science", Prentice Hall, USA, 2010.

Name of		Faculty of Design														
Name of	f the F	Progra	am		B. Des. (Honours/ Honours with Research) Communication Design											
Course	Code				15040204											
Course	Title				Mate	rial Ex	plorat	tion								
Academ	ic Yea	ar			Ι											
Semeste	r				Π											
Number	of C	redits			2											
Course	Prere	quisit	e		NA											
Course Synopsis					This course introduces students to the fundamental principles and practical applications of materials used in design. It focuses on understanding the properties, characteristics, and potential applications of various materials in different design contexts. Through hands-on experimentation and theoretical study, students explore how materials interact with light, texture, form, and function. Emphasis is placed on sustainable practices, innovative uses of materials, and the impact of material choices on design aesthetics and functionality.											
Course At the et	Outco	mes:	irse st	udents	will b	ne able	e to:									
CO1		Rei	membe	er: Reca	all the	proper	ties an	d chara	cterist	ics of co	ommonl	y used r	naterials	s in desi	gn,	
CO2		inc	luding	metals	, plasti	cs, wo	od, tex	tiles, a	nd con	nposites	<u>.</u>			<u> </u>		
02		Un	derstar l outco	id: Unc mes.	lerstan	d the p	rincip	les of n	nateria	l scienc	e and ho	ow they	influenc	ce desig	n decision:	
CO3		Ap	ply: Ap	oply kr	nowled	ge of n	nateria	l prope	erties to	o select	appropr	riate mat	erials fo	or specif	ïc design	
<u>CO4</u>		pro	jects o	r applie	cations	nviron	montol	acon	mia	nd soci	ol impli	ontions	of diffor	ont mot	oriol	
04		chc	oices in	design	e ille e 1.	IIVIIOII	menta	i, econo	Jine, a		ai mipn	cations		Ciit illat		
CO5	CO5 Create: Create innovative design solutions that demonstrate an understanding of material capabilities and limitations, integrating sustainability principles into material selection and application								l nd							
Mapping of Course Outcomes ((COs)	to Pr	ograr	n Out	comes	s (POs)	& Pro	gram S	pecific	Outco	mes:	
Mapping	with P	rogran	nme Oı	itcome	s											
Cos	PO 1	PO	PO 2	PO	PO E	PO	PO 7	PO o	PO	PO1	PO1	PSO 1	PSO 2	PSO 2	PSO	
CO1	-	3	2	3	3	- -	3	-	2	-	3	-	-	-	-	
CO2	_	2	3	3	2		3		3		2	_	-	-	-	
CO3	-	3	3	3	3	-	3	-	2	-	3	-	-	-	-	
CO4	-	3	3	3	3	-	3	-	3	-	2	-	-	-	-	
CO5 Averag	_	3	2	3	3	-	3	-	2.6	-	<u> </u>	-	-	-	-	
e 1_We-1-4	71	2.8	2.6		2.8	lation	3	2. 5		om=1-4'						
1 = weak	orrela	uion	2= M	oderate	e Corre	elation		3= Sti	1= weak Correlation 2= Moderate Correlation 3= Strong Correlation							

Cou	rse Content:			
L (Hours/Week)	T (Hours/Week)	Total Hour/Week	
	0	0	4	4
Unit	Content		Competencies	
1	 Unit 1: Introd Overvidesign Classificeramidesign Propertielectrice Enviro consideration 	luction to Materials ew of material science ication of materials: cs, composites, etc. ties of materials: med cal, optical, and dural nmental impact and se rations in material se	ee and its relevance to metals, polymers, chanical, thermal, bility sustainability election	 Remember: Recall the classification and properties of different materials. (C2) Understand: Understand the basic principles of material science and their relevance to design. (C2) Apply: Apply knowledge of material properties to select appropriate materials for specific design contexts. (C3) Analyse: Analyse the environmental impact of material choices in design. (C4)
2	 Unit 2: Metal Properdesign: Manufamachir Applicarchite Case st 	s and Alloys ties and characteristic steel, aluminum, cop acturing processes: ca ning, and surface trea ations of metals in pr cture, and automotive rudies of iconic metal	es of metals used in pper, etc. asting, forging, tments roduct design, furniture, e industries designs and innovations	 Understand: Understand metalworking processes and their impact on material properties. (C2) Apply: Apply metal selection criteria to design scenarios. (C3) Analyse: Analyse case studies of metal applications in design. (C4) Create: Create simple metal prototypes using basic fabrication techniques. (C5)
3	 Unit 3: Polym Introduthermo Polymotextrusi Designaesthet Innovaand sus 	ners and Plastics action to polymers: the sets, and elastomers er processing techniq on, and blow molding considerations for p ics, durability, and re- tive uses of plastics is stainability challenge	ermoplastics, ues: injection molding, g lastic materials: ccyclability n contemporary design s	 Understand: Understand manufacturing processes for plastics. (C2) Apply: Apply knowledge of plastic properties in product design. (C3) Analyse: Analyse environmental considerations in plastic usage. (C4) Create: Create prototypes using various plastic molding techniques. (C5)
4	Unit 4: Wood Propertin designed Woodw finishing	and Natural Mater ties and characteristic gn vorking techniques: j ng methods	ials cs of wood species used oinery, veneering, and	 Understand: Understand woodworking techniques and their applications. (C2) Apply: Apply sustainable practices in woodworking. (C3) Analyse: Analyse the lifecycle

	 Sustainable forestry practices and certifications Incorporating natural materials like bamboo, cork, and stone in design applications 	of wood products and sustainability issues. (C4)
5	 Unit 5: Textiles and Composites Types of textiles: natural fibers (cotton, wool, silk) and synthetic fibers (polyester, nylon) Textile manufacturing processes: weaving, knitting, dyeing, and printing Composite materials: carbon fiber, fiberglass, and their applications in aerospace and automotive industries Integration of textiles and composites in fashion, interior design, and product development 	 Understand: Understand textile manufacturing processes and composite materials. (C2) Apply: Apply textile knowledge in fashion and interior design contexts. (C3) Analyse: Analyse case studies of textile and composite applications. (C4) Create: Create textile-based prototypes and composite structures. (C5)

Learning Strategies	Contact Hours
Lecture	
Practical	36
Seminar/Journal Club	
Small group discussion (SGD)	4
Self-directed learning (SDL) / Tutorial	4
Problem Based Learning (PBL)	4
Case/Project Based Learning (CBL)	10
Revision	2
Others If any:	
Total Number of Contact Hours	60

Learning Strategies and Contact Hours

Assessment Methods: Criteria rubrics and marks details are provided in Scheme of Examination

Formative (60%)	Summative (40%)	
Practical / Lab Proficiency (10 Marks)	University End Term Examination (20	
	Marks)	
Viva-Voce / Quiz / Lab Test/ Internal Jury (5 Marks)		
Documentation & Reporting (5 Marks)		
Discipline Specific Practical / Lab Activities (10		
Marks)		
Since the total marks of the external examination is 20, the examination will be conducted for 50		
Marks and then bring down to 20		

Nature of Assessment	CO1	CO2	CO3	CO4	CO5
Practical / Lab Proficiency		\checkmark			-
Viva-Voce / Quiz / Lab Test/ Internal Jury	\checkmark	\checkmark		\checkmark	\checkmark
Documentation & Reporting					-
Discipline Specific Practical / Lab Activities					\checkmark
University End Term Examination					

Feedback Process		1. Student's Feedback			
References:	Leferences: (List of reference books)				
Text Books:					
 George P. Schräder and Annad Sourian, "Infoduction to Glass Science and Technology", Royal Society of Chemistry, UK, 2014. Mike Ashby and David Cebon, "Materials: Engineering, Science, Processing and Design", Butterworth-Heinemann, UK, 2019. Charles A. Harper, "Handbook of Plastics, Elastomers, and Composites", McGraw-Hill Education, USA, 2001. Mike Ashby and Kara Johnson, "Materials and Design: The Art and Science of Material Selection in Product Design", Butterworth-Heinemann, UK, 2014. 					
 Michael F. UK, 2011. John D. Cut Introduction Jurgen H. H between Bio Robert M. Cut 1996. 	 Michael F. Ashby, "Materials Selection in Mechanical Design", Butterworth-Heinemann, UK, 2011. John D. Cutnell and Kenneth W. Johnson, "Materials Science and Engineering: An Introduction", Wiley, USA, 2015. Jurgen H. Haferkamp, "Plastics and Sustainability: Towards a Peaceful Coexistence between Bio-based and Fossil Fuel-based Plastics", Springer, Germany, 2012. Robert M. German, "Sintering Theory and Practice", John Wiley & Sons, USA, 1996. 				