

SCHOOL OF PLANNING ARCHITECTURE AND DESIGN EXCELLENCE

BACHELOR OF DESIGN COMMUNICATION DESIGN CURRICULUM AND SYLLABUS

Under CBCS

(Applicable for Students admitted from Academic Year 2020-21)



BACHELOR OF DESIGN

COMMUNICATION DESIGN

			SEMESTER - I						
SL. NO	COURSE CATEGORY	COURSE CODE	NAME OF THE COURSE	L	Т	P	CRE DITS	S	тсн
			THEORY						
1	PD	ELA4102	Communication Skills	2	0	0	2		2
2	CF	CDA1102	Introduction to Design	3	0	0	3		3
3	PD	CDA1103	Effective mass communication	3	0	0	3		3
			THEORY CUM STUDIO						
4	BS	CDA1104	Fundamentals and principles of Art	1	0	4	3		5
5	PD	CDA1105	Computer Fundamentals and Operation	1	0	4	3		5
			STUDIO						
6	PD	CDA1131	Freehand Drawing	0	0	8	4		8
7	PC	CDA1132	Elements of Design I	0	0	8	4		8
	SEMESTER - II								
			SEMESTER - II						
SL. NO	COURSE CATEGORY	COURSE CODE	SEMESTER - II NAME OF THE COURSE	L	т	Р	CRE DITS	S	тсн
				L	Т	Р		S	тсн
			NAME OF THE COURSE	L 3	T 0	P 0		S	TCH 3
NO	CATEGORY	CODE	NAME OF THE COURSE THEORY Introduction to Multimedia		-	-	DITS	S	
1	CATEGORY	CDA1116	THEORY Introduction to Multimedia Communications Introduction to Photography	3	0	0	DITS 3	S	3
1 2	CATEGORY CF PD	CDA1116 CDA1117	THEORY Introduction to Multimedia Communications Introduction to Photography and Videography Storyboarding and	3	0	0	3	S	3
1 2	CATEGORY CF PD	CDA1116 CDA1117	THEORY Introduction to Multimedia Communications Introduction to Photography and Videography Storyboarding and Scriptwriting	3	0	0	3	S	3
1 2 3	CATEGORY CF PD PD	CDA1116 CDA1117 CDA1118	THEORY Introduction to Multimedia Communications Introduction to Photography and Videography Storyboarding and Scriptwriting THEORY CUM STUDIO Introduction to Computer Programming Introduction to Typography	3 3	0 0	0 0	3 3 3	S	3 3
1 2 3	CATEGORY CF PD PD PD CF	CDA1116 CDA1117 CDA1118 CDB1119 CDA1120	THEORY Introduction to Multimedia Communications Introduction to Photography and Videography Storyboarding and Scriptwriting THEORY CUM STUDIO Introduction to Computer Programming Introduction to Typography STUDIO	3 3 3 1	0 0 0	0 0 0 4 4	3 3 3 3	S	3 3 5
1 2 3	CATEGORY CF PD PD PD	CDA1116 CDA1117 CDA1118 CDB1119	THEORY Introduction to Multimedia Communications Introduction to Photography and Videography Storyboarding and Scriptwriting THEORY CUM STUDIO Introduction to Computer Programming Introduction to Typography	3 3 1	0 0 0	0 0 0	3 3 3	S	3 3 5

			SEMESTER - III						
SL. NO	COURSE CATEGORY	COURSE CODE	NAME OF THE COURSE	L	Т	Р	CRE DITS	S	тсн
			THEORY						
1	CF	CDA1201	World of Images and Objects	3	0	0	3		3
2	BS	CDA1202	History of Art	3	0	0	3		3
			THEORY CUM STUDIO						
3	PD	CDA1203	Communication Design	1	0	4	3		5
4	CF	CDA1204	Fundamentals of Animation Design	1	0	4	3		5
5	PD	CDA1205	Graphic Design for Communication	1	0	4	3		5
			STUDIO						
6	PC	CDB1231	Design Studio - III	0	0	8	4		8
			ELECTIVE						
7	PE	CDC125X	Department Elective -I	3	0	0	3		3
SEMESTER - IV									
SL. NO	COURSE CATEGORY	COURSE CODE	NAME OF THE COURSE	L	Т	P	CRE DITS	S	тсн
			THEORY						
1	CF	CDA1216	Multimedia Design Fundamentals	3	0	0	3		3
			1 unuamentais		I				
2	CF	CDA1218	Web Design	3	0	0	3		3
2	CF	CDA1218		3	0	0	3		3
3	CF CF	CDA1218 CDA1217	Web Design	1	0	4	3		5
_			Web Design THEORY CUM STUDIO Interface and Information Design 2D Animation Techniques				_		_
3	CF	CDA1217	Web Design THEORY CUM STUDIO Interface and Information Design	1	0	4	3		5
3 4	CF PD	CDA1217 CDA1219	Web Design THEORY CUM STUDIO Interface and Information Design 2D Animation Techniques	1	0	4	3		5
3 4	CF PD	CDA1217 CDA1219	Web Design THEORY CUM STUDIO Interface and Information Design 2D Animation Techniques Audio Video Editing	1	0	4	3		5
3 4 5	CF PD PD	CDA1217 CDA1219 CDA1220 CDB1241	Web Design THEORY CUM STUDIO Interface and Information Design 2D Animation Techniques Audio Video Editing STUDIO Design Studio – IV ELECTIVE	1 1 1	0 0 0	4 4 4	3 3 3		5 5 5
3 4 5	CF PD PD	CDA1217 CDA1219 CDA1220	Web Design THEORY CUM STUDIO Interface and Information Design 2D Animation Techniques Audio Video Editing STUDIO Design Studio – IV	1 1 1	0 0 0	4 4 4	3 3 3		5 5 5
3 4 5	CF PD PD	CDA1217 CDA1219 CDA1220 CDB1241	Web Design THEORY CUM STUDIO Interface and Information Design 2D Animation Techniques Audio Video Editing STUDIO Design Studio – IV ELECTIVE	1 1 1 0	0 0 0	4 4 4 8	3 3 3		5 5 5 8
3 4 5	CF PD PD	CDA1217 CDA1219 CDA1220 CDB1241	Web Design THEORY CUM STUDIO Interface and Information Design 2D Animation Techniques Audio Video Editing STUDIO Design Studio – IV ELECTIVE	1 1 1 0	0 0 0	4 4 4 8	3 3 3		5 5 5 8
3 4 5	CF PD PD	CDA1217 CDA1219 CDA1220 CDB1241	Web Design THEORY CUM STUDIO Interface and Information Design 2D Animation Techniques Audio Video Editing STUDIO Design Studio – IV ELECTIVE	1 1 1 0	0 0 0	4 4 4 8	3 3 3		5 5 5 8
3 4 5 6	CF PD PD PC PE	CDA1217 CDA1219 CDA1220 CDB1241 CDC126X	Web Design THEORY CUM STUDIO Interface and Information Design 2D Animation Techniques Audio Video Editing STUDIO Design Studio – IV ELECTIVE	1 1 1 0	0 0 0	4 4 4 8	3 3 4 3		5 5 5 8
3 4 5	CF PD PD	CDA1217 CDA1219 CDA1220 CDB1241	Web Design THEORY CUM STUDIO Interface and Information Design 2D Animation Techniques Audio Video Editing STUDIO Design Studio – IV ELECTIVE Department Elective -I	1 1 1 0	0 0 0	4 4 4 8	3 3 3	S	5 5 5 8

1	CF	CDB1301	Creative Thinking Process and Methods	3	0	0	3		3
2	PD	CDB1304	Ethics and Human Value	3	0	0	3		3
L			THEORY CUM STUDIO						
3	CF	CDB1302	3D Modeling and Texturing	1	0	4	3		5
4	CF	CDB1303	Computer Generated Lighting	1	0	4	3		5
	CF		and Rendering STUDIO						
5	DC	CDB1331	Design Studio - V	0	0	8	4		8
	PC	СББ1331	ELECTIVE	U	0	0	7		0
6	DE	CDC135X	Department Elective -I	1	0	4	3		5
7	PE PE	CDC135X	Department Elective -II	3	0	0	3		3
,	112	CDC133A	SEMESTER - VI	3		U)		3
SL.	COURSE	COURSE	SLIVILSTER - VI		1		CRE	1	
NO	CATEGORY	CODE	NAME OF THE COURSE	L	T	Р	DITS	S	TCH
			THEORY						
1	CF	CDB1316	Industrial Management and	3	0	0	3		3
1			Entrepreneurship						
			THEORY CUM STUDIO						
2	CF	CDB1317	Game Design	1	0	4	3		5
3	CF	CDB1318	3D Animation Techniques	1	0	4	3		5
4	PD	CDB1319	Visual Effects & Digital	1	0	4	3		5
			Compositing						
	D.C.	CDD1241	STUDIO	0	0	0			0
5	PC	CDB1341	Design Studio - VI	0	0	8	4		8
_	DE	CD C12 CV	ELECTIVE	2	0		2		2
6	PE	CDC136X	Department Elective -I	3	0	0	3		3
7	PE	CDC136X	Department Elective -II	3	0	0	3		3
CI	COLLEGE	COLUBCE	SEMESTER - VII	T T		Π	CDE.	1	
SL. NO	COURSE CATEGORY	COURSE CODE	NAME OF THE COURSE	L	Т	P	CRE DITS	S	TCH
			THEORY						
1	CF	CDB1401	Animation Production Design	3	0	0	3		3
	PD	2221101	New Media and Interaction	3	0	0	3		3
2		CDB1402	Design						
			THEORY CUM STUDIO						
3	PD		Design Management and	1	0	4	3		5
		CDB1403	Professional Practice						
			STUDIO						
4	PC	CDB1481	Minor Project	0	0	8	4		8
5	PC	CDB1431	Design Studio – VII	0	0	8	4		8

			SEMESTER - VIII						
SL. NO	COURSE CATEGORY	COURSE CODE	NAME OF THE COURSE	L	Т	P	CRE DITS	S	тсн
			STUDIO						
1	PC	CDB1491	Major Project - Thesis	0	0	30	15		30
LIST	OF DEPARTM	IENTAL ELEC	TIVES WITH GROUPING - SEMEST	TER WI	SE		1		
SEM	COURSE CATEGORY	COURSE CODE	NAME OF THE COURSE	L	Т	P	CRE DITS	S	тсн
III	DE	CDC1251	Basics of User Interface Design	3	0	0	3		3
III	DE	CDC1252	Basics of User Experience Design	3	0	0	3		3
IV	DE	CDC1261	Ergonomics	3	0	0	3		3
IV	DE	CDC1262	Illustration Techniques	3	0	0	3		3
V	DE	CDC1351	Moving Image Design	3	0	0	3		3
V	DE	CDC1352	Packaging and Printing	3	0	0	3		3
V	DE	CDC1353	Concept of Film making	3	0	0	3		3
V	DE	CDC1354	Brand Management Design	3	0	0	3		3
VI	DE	CDC1361	Game Design and Production Process	3	0	0	3		3
VI	DE	CDC1362	Advanced Illustration Techniques	3	0	0	3		3
VI	DE	CDC1363	Tangible User Interface	3	0	0	3		3
VI	DE	CDC1364	Environmental Graphic Design	3	0	0	3		3

SEMESTER I

COURSE TITLE			COMMUNICATION SKILL	S	CRED	DITS	2
COURSE CO		ELA4102	COURSE CATEGORY	CF	L-T-P		2-0-0-0
CIA		-	50%		ESE		50%
1.	Enhanc	ce the commun	icative competence with focus of	on syntax and flu	iency	PO2, F PO10	PO6, PO7,
2.	Excel in	oral and writt	en medium and prepare them fo	r employability		PO1,P PO5. F	O2, PO4, PO10
PREREQUIS	ITES						
MODULE -	1:	IMPORTAN	ICE OF COMMUNICATION	I			(5)
	nication; Elem	ents of	good i	ndividual			
		communica	tion; organizing oneself; diffe	erent types of c	ommui	nication	; Barriers
		in the path of	of Communication	• 1			
MODULE -	- 2LISTE	ENING SKILI					
		Listening sk	xills: Listening to conversatio	n and speeches	(Form	al and	
		Informal) R	eading: Techniques of readin	g, skimming, S	Scannin	g, SQ3F	3
		technique					
MODULE -	- 3CREA	TIVE WRIT	ING SKILLS(5)				
		Creative W	riting: Scope of creative writi	ng; Report Wri	iting,		
		Paragraph,	Letter Writing (formal and In	formal), Memo	, Circu	lar, Pre _l	paration of
		Agenda, Mi	nutes of the meeting, Notice,	Description of	project	ts and fe	eatures
MODULE -	4SPEA	KING SKILL	S (5)				
		Speaking: H	low to converse with people,	how to commu	ınicate	effectiv	ely;
			on drills, Phonetics, vowels, I				
		Conversation	onal skills, Role play, Telepho	one etiquette. In	nterviev	v techni	que,
			or interviews (HR questions)				
MODULE -	5DIGIT	TAL COMMU	INICATION (5)				
		Impact of ir	nternet on communication; co	mmunication tl	hrough	comput	ers; voice
		mail; broad	cast messages; e-mail auto res	sponse; etc. Vi	ideo co	nference	e; Tele
		conference	-				
REFERENC	EE						
1		Professional	Speaking Skills by Aruna Kone	ru, Oxford Univ	ersity P	ress, 201	7
2		Krishna Moł	nan & Meera Banerji: Developin	g Communication	on Skills	s Macmi	llan India
		,2 nd edition,2	009				
3		K. Ashwatha	ppa: Organizational Behavior, I	Himalaya Publisl	hing Ho	use	

4	Daniel Colman: Emotional Intelligence, Bloomsburry publication India,2010
E.BOOKS	
1	English Language – TN College Text Book - http://www.textbooksonline.tn.nic.in/books/dted/dted1-english.pdf
MOOC	
	https://www.mooc-list.com/course/business-english-basics-coursera

COURSE TITLE				CREDITS	3			
COURSE CODE	CDA1102	COURSE CATEGORY	CF	L-T-P-S	3-0-0-0			
CIA		20%		ESE	80%			
PREREQUISITES								
MODULE - 1	Introduction	n			9			
	Introduction	n of Design. Arts and Soc	ial Science	es. Design as	a creative			
	professiona	professional career. Interrelationship of Design to Engineering. Inter-						
	relationship	o of 2D & 3D forms.	_	_				
MODULE – 2 Hist	ory			9				
	Brief histor	ry of developments in Designar	nd Technol	ogy. Aesthetics,				
	Ergonomic	, Scientific and Engineering co	nsideration	nsin Design.				
MODULE – 3 Und								
		s in Product, Communication,			Stages in			
	the design p	processes. Design and indigend	ous technol	ogy.				
MODULE – 4 Role	of Design12							
	Role of Des	sign in creating the future. Stat	us of Desi	gn profession in	India and			
	worldwide							
MODULE – 5 PR C	JECT	9						
	Design Pro	ject						
REFERENCE								
1	D. Norman	, Design of Everyday Things, (Currency Bo	ooks, New York,	1990.			
2	R. Hollis, C	Concise History of Graphic De	sign, Tham	es and Hudson,1	994			
3	P. Sparke, I	Introduction to Design and Cu	lture in the	20th Century,				
	Routledge,			3,				
4		lligence, Donald D. Hoffman,2	2000					
5		nstein, Design Concepts for En		entice Hall				
	UK,2002	,g	J , 2 2					
MOOC	,							
	https://www	w.mooc-list.com/course/introdu	uction-desig	gn-thinking-edx				

COURSE TITLE	EFFE	CTIVE MASS COMMUNICAT	CREDITS	3	
COURSE CODE	CDA1103	P	ď	L-T-P-S	3-0-0-0
CIA		20%		ESE	80%

PREREQUISITES	
MODULE - 1	Communication 6
	Communication; Nature and Scope of Communication – Sociological and Psychological aspects of Communication – Levels of Communication; Intrapersonal, Inter-personal, Group and Mass Communication, Verbal and Nonverbal Communication.
MODULE – 2 Diffus	ion Process 10
	Diffusion process; One step; Two step, Multi step flow of Information; MassMedia and Society – MassCulture.
MODULE – 3 Comr	nunication Models 10
	Communication models; Diffusion of Innovation Model. Communication Theories; Cognitive Dissonance, Normative Theories, Perception and Retention, Uses and Gratification Approach, Cultivation Approach, Marxist and Neo-Marxist Approaches
MODULE -	4Mass Communication 10
	Characteristics and functions of mass communication. Importance of mass communication.
MODULE – 5 Mass	Media 9
	Mass media – press, radio, TV, web and traditional media. Communicating with the masses – Public speaking ascommunication – audience, structure and formality. Group dynamics- Motivation, Persuasion and leadership traits. Using forms of mass communication- Creative and technical presentations in various areas like graphite, photography, PowerPoint presentations, debates and street plays
REFERENCE	
1	Kumar, Kewal J Mass Communication in India, Jaico Books, NewDelhi.
2	J.S. Yadava & Pradeep Mathur <i>Issues in Mass Communication: The Basic Concepts</i> , Kanishka Publishers, Delhi, 2008
3	Shymali Bhattacharjee., <i>Media and Mass Communication: An Introduction</i> , Kanishka Publishers, Delhi,2005.
4	Burgoon, Michael, Frank G Hansaker, Edwin J Dawson (1994), 'Human Communications' (3rd ed), Sage, NewDelhi
5	Denis McQuail and S. Ven Windall, Longman, Singapore Publications, 1981, 'Communication models for the study of MassCommunication'
6	Melvin L Defluer and Sandra J Ball, Longman Publications, 'Theories of MassCommunication'.
MOOC	
	https://www.mooc-list.com/tags/mass-media

COURSE TITLE	FUNDA	MENTALS AND PRINCIPLE	S OF ART	CREDITS	3
COURSE CODE	CDA1104	COURSE CATEGORY	BS	L-T-P-S	1-0-4-0
CIA		20%		ESE	80%
PREREQUISITES					
MODULE - 1 Elemen	ts of Art O				
MODULE - IEIGHIGH		m Taytura Space			
MODULE – 2 Princ i	nles of Art	m, Texture, Space,			
WIODOLL - 21 THICK	<u> </u>	Jovement, Emphasis, Variety, V	Unity Pattern	Art Media an	
		s, Drawing and Painting-Sculpt	•		u
1	-	oody painting/printing and ador		•	1
		Printmaking and Photography,			
		Art. The styles and forms of A			
	appliedart)	•	it (paintings s	сирште ини	
MODULE – 3 Two-l					
MODULE - 31 WU-1		of Western Art such as Impres	cioniem Evn	raccionicm Cul	aiem
		, Abstract Expressionism, Real			
		n, Photo-realism, Conceptual A		г оружи,Ориса	i(Op)Ait,
MODULE – 4 Three		1	ш.		
WIODOLL - 41 III CC		statues, installations, kinetic a	rt and perform	mance art	
MODULE – 5 Aesth			it and perion	mance art.	
WODULE - JACSUI		motionalism, formalism, femin	iem endeene	tmotivism	
REFERENCE	Keansin, ei	motionansin, formansin, femin	isiii, aiidcoiis	uucuvisiii.	
1	Art Funday	nentals: Theory and Practice b	v Otto G Oc	virk Robert Sti	ncon
•		Vigg,Robert O. Bone, David L.	•	viik,Robeit Sti	115011,
2			•	Dublish an Anti	
2		nts of Art and Composition by			
		c. Comb-binding, 92 pages, 68		mustrations. 15	BIN:
3		394-08-8, January 1, 2013, 3rd		4 C. 11	
3		einer, "Gardener's Art through	<i>i Ages</i> ", Harc	ourt College	
4	Publishers,		II I D' 1	1 357	T 1064
4		Myers, Understanding the Art			n Inc,1964
5		nory, "A History of Fine Arts in		ne West",	
	Orient Lon	gman Publisher's Pvt.Ltd,1982	2		
MOOC	1.				
	https://www	w.mooc-list.com/tags/basic-art			

COURSE TITLE	COMPUT	ER FUNDAMENTALS AND	OPERATION	CREDITS	3		
COURSE CODE	CDA1105	COURSE CATEGORY	PD	L-T-P-S	1-0-4-0		
CIA		20%		ESE	80%		
PREREQUISITES							
MODULE - 1	Definition (and History of computer			12		
MODULE - 1 Definition and History of computer 12 Definition of Electronic Computer, History, Generations, Characteristic and							
	Application	of Computers, Classification	of Computers	Computer I	anguages		
	Generation	of	or Computer.	s, computer L	anguages,		
	Languages,	, Algorithm, Flow charts.					
MODULE – 2Comp							
	Memory –	different types, functions, con	cept of I/O dev	vices. Types of	software,		
	Role of Op	peratingSystem					
MODULE – 3 Num b	MODULE – 3Number system - 6						
	Decimal, b	inary, octal, hexadecimal	number systen	ns and convers	ion from		
	•	to another, Coding System -A	ASCII, EBCDIO	Z			
MODULE – 4 Fund							
	Fundament	als of networking - networ	k topology, co	oncept of LA	N, WAN,		
		vork devices – NIČ, hub, brid	ge, switch, repo	eaters, gateway	y, modem,		
MODINE CD	transmissio						
MODULE - 5Basics		and Web technology9	M1 T	DITN	11 337337337		
		d World Wide Web: Hypertex P, Telnet, Web Browsers, Ne		guage, DHIM	ıL,www,		
	1 '	arch Engines, Email, Benefits		a commerce			
REFERENCE	Surring, Se	arch Engines, Eman, Denemis	and impact of	e-commerce,			
1	Computer	Fundamentals, Pradeep K Sinl	ha. PritiSinha				
2		, Introduction to Computers, P	•				
3		<i>Vord for Windows</i> : RajibMath					
4	ABC of Off	3					
MOOC	<u> </u>						
	https://wwy	w.mooc-list.com/course/funda	mentals-compu	ter-architectu	re-coursera		
	1						

COURSE TITLE		FREEHAND DRAWING CREDITS						
COURSE CODE	CDA1131	CDA1131 COURSE CATEGORY PD L-T-P-S						
CIA		20% ESE						
DD ED FOL WOLFERS								
PREREQUISITES								
MODULE - 1					12			
	Drawing Man- Made Objects Drawing from cubes, cones, cylindrical object, casts, drapery, and still life groups etc. Nature drawing from human figures – mainly based on general form and gesture – Head study. Drawing from Memory – To develop the sense of observation and the capacitytoretainandrecallimagesandtheir co-ordinations.							
MODULE – 2 Natur	MODULE – 2Nature Drawing 9							

	Nature drawing to develop the sense of structure. Study from any kind of forms in nature-pods, shells, butterflies, flowers, plants, insects, minerals bones etc. To understand how these forms achieve their structural unity through adherence to principles with physical nature of the material beingobserved and studied
	through various rendering media and techniquesin
	various light conditions.
MODULE – 3Intro	luction to Elements of Perspective6
	Study of basic solids, plan and elevation main aspects of parallel and 2 angular
	perspective.
MODULE – 4 Callig	
	Basic discipline of beautiful handwriting, sense of letter form – Simultaneous judgment of the composition of the letters – spacing – organization – intuitive and logicalplanningofwriting–development of style.ACo-ordinateseriesofassignments of script writing with different types of traditional and modern tools. Studentsbe exposed to Calligraphic examples of various traditional scripts.
MODULE – 5 Outd o	
	Rapid sketching from any objects from placeslike–streets,market,stationsetc.and also from Museums and Zoo etc. Students should be exposed to such drawing madeby master artists of different times.
REFERENCE	
1	Drawing By Daniel MarcusMendelowitz
2	Dynamic Figure Drawing Watson-Guptill Publications, 1996
3	Drawing: Space, Form, and Expression Wayne Enstice, MelodyPeters
4	Drawing distinctions: the varieties of graphic expression By PatrickMaynard
5	Basic figure drawing techniques By GregAlbert
MOOC	
	https://www.mooc-list.com/tags/freehand-drawing

COURSE TITLE		ELEMENTS OF DESIGN -	I	CREDITS	4
COURSE CODE	CDA1132	COURSE CATEGORY	PD	L-T-P-S	0-0-8-0
CIA		50%		ESE	50%
PREREQUISITES					
MODULE - 1	Project -1				15
	Project ba	sed on following contents:	Impleme	entation of desig	gn or art
	elements &	principle on drawing.			
MODULE – 2 Proje	ct -2	15			
-	Project bas	ed on following contents: Gra	phic Desi	gn and Computer	Art. The
	styles and forms of Art (paintings, sculpture and applied art). Basic concept of composition, Natural Study Perspective knowledge, Outdoor study, Calligraphy				
	Life drawin	g etc.		•	
MODULE – 3 Proje	ct -315				
		ed on following contents: Dopplement on digital print makin			awing or
MODULE – 4 Final	Project	15	•		
	Final design	n based project report			

SEMESTER II

COURSE TITLE	INTRODU COMMUN	CTION TO MULTIMEDIA ICATIONS		CREDITS	3
COURSE CODE	CDA1116	COURSE CATEGORY	CF	L-T-P-S	1-0-4-0
CIA		20%		ESE	80%
PREREQUISITES					
MODULE - 1 Introd		9			
	Multimedia Static and C	n to Multimedia; Definition; Characteristics of Multimedia Continuous Media			
MODULE – 2 Anal	og and Digita	al Signals10			
		l Digital Signals; Analog toDig	ital and Digi	tal to Analog C	onversion
MODULE – 3 Data	Compression	n10			
	Compression	npression Types of Data Con Techniques – Shannon Far th Encoding, JPEG, MPEG.	compression; no, Huffman	Introductiont Coding, LZV	o various V Coding,
MODULE – 4 Elem	ents of Multi	media10			
	Text,StillIn	of Multimedia Understandin nages,Graphics,Audio,Video ar lity;VR- Systems; VR Tools.	g the Eler ndAnimation	nents of Mul . Introduction	timedia – to
MODULE – 5 The	WWW	9			
	Dial-ups, IS Streaming;	Y - Overview of the Internet; W SDN, E- mail, Chat, Cross-Plat Internet Applications – Audio World Wide Web, Computer	form Feature	es, Audio & Vio	leo
REFERENCE					
1	Tay Vaugha Education,2	n, <i>Multimedia: Making It Work</i> , N 014.	linth Edition,	Tata Mc-Graw I	Hill
2	Jennifer Col	eman Dowling, Multimedia Demy	stified, First l	Edition, Mc-Grav	v Hill,2012
3	Patrick Bucl	kley, Frederic Lardinois and DOD dboard Inspired VR Viewer, Regard	Ocase, Virtua		
MOOC				·	
	https://www	.mooc-list.com/tags/social-media			

COURSE TITLE	INTRODUCTION TO PHOTOGRAPHY AND		CREDITS	3		
	VIDEOGR.	APHY				
COURSE CODE	CDA1117	COURSE CATEGORY	PD	L-T-P-S	3-0-0-0	
CIA		20%		ESE	80%	
PDEDEOLUCIEEC	1					
PREREQUISITES	Daging of Dha	to anombre			0	
MODULE - 1	Basics of Pho		aamama Tym	as of samons Du	9 incinles of	
	photograph	n to Photography, History of c y, Rule of Third, Golden Ratio	camera, 1 ype	es of camera, Pr	incipies of	
MODULE – 2 Parts	of Still Cam	era 10	<u> </u>			
WODULL - 21 arts		hutter speed, lens, filters and f	Jach Camero	Types DSI P	Crop	
		dern equipments	iasii, Cailleia	i Types, DSLK,	Стор	
MODILE 2Desie		1 1				
MODULE – 3 Basic				-14		
	Basic comp	ponents of video camera, Basil movements, Camera mou	ic snots and	snot compositio	on, Camera	
	&Defocus.	i movements, Camera mot	mungs, can	iera control ui	int, Focus	
		4Lighting for Photography a	nd Videogr	aphy10		
		of lighting in photography &			pment and	
	control, Lig	ghting techniques and problem	S.		1	
MODULE – 5 Theo i						
	Origin of C	Colour, Colour Temperature, W	Vhite Balance	e: Process and N	eed.	
REFERENCE						
1	Wells, Liz, I	Photography, ISBN978-0-415-46	5087-3			
2	Millerson G	erold, Television Production, Foo	calPress			
3	Zettl, Herber	rt, Handbook of Television Prodi	uction, Cengag	ge Learning India	Private	
		Limited, Alps Building Ist Floor, 56-Janpath, New Delhi-110001, Reprint 2008				
4		asuky, Video Production, Oxford		•		
5	Kobre, Kenr	neth, <i>Photo journalism</i> , Focal Pre	ess, IBSN978-	0-7506-8593-1		
MOOC						
	https://www	.mooc-list.com/tags/photography	7			
	https://www	.mooc-list.com/tags/video				
	-				L. Company	

COURSE TITLE	STORYBO	DARDING AND SCRIPT WR	ITING	CREDITS	3
COURSE CODE	CDA1118		PD	L-T-P-S	3-0-0-0
CIA		20%		ESE	80%
	T				
PREREQUISITES					
MODULE - 1	Layout of the				9
	Character d	lesign, Situation, Background B	uilding of th	e story, Insurr	nountable
	problems, C	Gradual or sudden crumbling, Ty	pes of screer	nplay- Proposa	lscript,
	shooting sc	ript, post-production script,	•		-
MODULE – 2 Story					
	High conce	pt, Originality and familiarity,	Subplots, Ch	aracter growth	n, Theme,

	Identification & Motivation, Obstacle & Courage, Familiarity of setting, Film category & Cost,				
MODULE – 3 Deve	loping a Screenplay 10				
	Developing a Hero & other characters, Creating sympathy or hatred for the character, Make the character likeable				
MODULE – 4 Struc	ture of Screenplay10				
	Three act - Individual scene, Fade in and Fade out, Cut to.				
MODULE – 5 Intro	duction to Storyboard 9				
	Parts of storyboard - Advantages of storyboarding - Interactive Storyboarding- Designing of Storyboard exercise				
REFERENCE					
1	Chawdhary, Nirmal Kumar, <i>How to write film screenplay</i> , Kanishka publishers, distributers, New Delhi- 110002, 2009,ISBN978-81-8457-112-7.				
2	Rubenstein, Paul Max, Martin Jo Maloney, Writing For the Media, Film Television, Video And Radio, Prentive Hall, Englewood Clifts, New Jersey 07632, 1988, ISBN:0-13-971508-7-01.				
3	Whitaker, Harold, John Halas, Updated by Tom Sito, <i>Timing for Animation</i> , Focal Press Elsevier, New York & Singapore, 2009 ISBN:978-0-240-52160-2				
MOOC	MOOC				
	https://www.mooc-list.com/course/powerful-tools-teaching-and-learning-digital-storytelling-coursera?page=5				

				T	_
COURSE TITLE		CTION TO COMPUTER PRO	<u>GRAMMING</u>	CREDITS	3
COURSE CODE	CDB1119	COURSE CATEGORY	PD	L-T-P-S	1-0-4-0
CIA		20%		ESE	80%
	_				
PREREQUISITES					
MODULE - 1		tals of Computer			12
	History of	Computer, Generation of Co	mputer, Class	ification of C	omputers,
MODULE - 2 Struc	Processing representation Arithmetic assembler (Basicconce Algorithm exture Basic of str formatted a	tomy of Computer System Unit, Input & Output device ion of signed and unsign & logic gates. Assembly land basicconcepts) ptsofoperatingsystemslikeMS & flowchart. 9 ructure, structures and function and unformatted files. The C chedata type & sizes, variable name	es. Binary & ed numbers,I guage,Highlev DOS, MS s, arrays of straaracter set,	Allied number BCD, ASCII vellanguage,co WINDOW, uctures, bit fie identifiers and	r systems, Binary. mpilerand UNIX,
MODULE – 3 Opera				-,	
MODULE – 4Flow	Arithmetic increment a expressions evaluation.	operators, relational and and decrement operators, bitwins, precedence InputandOutput:Standardinput	se operators, a and andoutput, form	ssignment ope order	rators and of
	Statement a	and blocks, if-else, switch, loop	DS		

	- while, for, do while, break and continue, goto and labels. One dimensional						
	arrays, pointers and functions, multidimensional arrays.						
MODULE – 5 Fund	MODULE – 5Fundamentals and Program Structure9						
	Basic of functions, function types,functions returning values, functions not returning values, auto, external, static and register variables, scope rules, recursion,function prototypes, C preprocessor, commandline arguments						
REFERENCE							
1	Kerninghan, B.W. The Elements of ProgrammingStyle.						
2	Yourdon, E. Techniques of Program Structures and Design.						
3	Schied F.S. Theory and Problems of Computers and Programming.						
4	Rajaraman V. Fundamental of Computers.						
5	M.M. Oka. Computer Fundamentals, EPH						
MOOC	MOOC						
	https://www.mooc-list.com/course/cs1011x-introduction-computer-						
	programming-part-1-edx						

COURSE TITLE	l In	TRODUCTION TO TYPOGRAPH	ΙΥ	CREDITS	3
COURSE CODE	CDA1120		PD	L-T-P-S	1-0-4-0
CIA		20%		ESE	80%
	1				
PREREQUISITES					
MODULE - 1	Introductio				9
		n to elements of graphic design			nd layout,
MODINE OF A		n, form and function, figure and	groundphend	omenon.	
MODULE – 2 Gesta		10		1	
	•	vs – Theory, implications, applic	cations and id	leas.	
MODULE – 3 Typog					
		c parameters: x-height, ascer			
		ariations of body text, head	dlines and	display text.	Grid in
MODALE AT	graphicdesi				
MODULE – 4 Fonts					
		cfontsand theircharacters.			
MODULE – 5 Printi					
	Introduction	n to Printing Technology. Introd	uction to Dig	ital MediaTecl	nnology.
REFERENCE					
1	Swan, The n	ew Graphic Design School, VNR,1	.997		
2	R. Carter and	P. B. Meggs, Typographic Design	n: Form and C	Communication,	John
	Wiley & Sor	as, 2000.			
3	A. Darley, V	isual Degital Culture, Routledge,2	000.		
4		oncise History of Graphic Design,		dson,1994.	
5		Type and Image: the language of			
MOOC					
	https://www	v.mooc-list.com/course/introduc	tion-typogra	phy-coursera	_

COURSE TITLE		CLAY MODELING		CREDITS	4
COURSE CODE	CDA1141		CF	L-T-P-S	0-0-8-0
CIA		80%		ESE	20%
PREREQUISITES					
MODULE - 1		vo dimensional Space			9
		nated series and basic design deled, Perforated, Mobile	problems w	ith analytical	approach
MODULE – 2 Addi r	g Dimension	ns		10	
	Dimensiona	l organizational possibilities ,V	arious met	hods of joining	g such as
	interlocking	g, pastingetc.			
MODULE – 3 Know	ledge of 3D	10			
	Paper, Card	board, Wood block.			
		MODULE – 4 Clay Modeling	10		
	Wire, Clay,	Plasticize, Plaster of Parries, M	letal sheets, P	lastic, Foam,	
	Thermocol,	String, Gums and adhesives, W	ax, Found ob	jects, etc.	
MODULE – 5 Color	ring9				
	Color introd	luction, Pigment, fasteners, vari	ious stages of	experiments.	
REFERENCE					
1	Clay: the his	tory and evolution of humankind's	relationship w	rith Earth's mos	t
	primal eleme	ent, Suzanne Staubach.	•		
2	Clay: a studi	o handbook, VincePitelka			
3	·	n Clay: Contemporary Sculpting T	Techniques by M	Master Artists, I	Ву
4	Clay Tobacc	o Pipes, By Eric G.Ayto.			

COURSE TITLE	H	ELEMENTS OF DESIGN –	II	CREDITS	4
COURSE CODE	CDA1142	COURSE CATEGORY	PC	L-T-P-S	0-0-8-0
CIA		50%		ESE	50%
PREREQUISITES					
MODULE - 1	Project -1				30
	Project bas	sed on following contents:	Color and	Form ,Appli	cation of
	Elements of	graphic design - Text and in	nage, grids a	nd layout, comp	osition, ,
	figure and g	roundphenomenon.			
MODULE – 2 Proje	ct -2	30			
	Project base	ed on Form development :R	elation betwe	eenform and fun	ection

SEMESTER III

COURSE TITLE	W	ORLD OF IMAGES AND OBJI	ECTS	CREDITS	3
COURSE CODE	CDA1201		CF	L-T-P-S	3-0-0-0
CIA		20%		ESE	80%
PREREQUISITES					
MODULE - 1	Introduction	on			9
	Understand	ing ofimages Study of types of	f images,	meaning/express	ion
	ofimages. C	Color representation inimages.	Object type	es – 2D/3D figure	•
	study,form	studyetc.			
MODULE – 2 Obje	cts 10	-			
	Understand	ing shape, form, color in objec	ts. Brief	history on Art, Im	nages and
	Objects.				
MODULE – 3 Expe	rimenting im	ages 10			
	Study of ph	otograph, painting, sketch etc.	Experimen	nting with images	
		 photographic image, objects. 			
MODULE – 4 Virt u	ıal images10				
	Images and	objects in digital and virtual w	vorld		
MODULE – 5 Editi					
		ng techniques, Introduction to ages, Info graphics and object		ftware, communi	cation
REFERENCE	•				
1	The Designe	d World: Images, Objects, Enviro	onments- By	Richard Buchanar	า
		nnis Doordan (Editor), Victor Ma			
2		ects, and Ideas - by Barry Nemett	(Author), I	SBN-13: 978-	
	0697274595				
MOOC	1				
	https://www	.mooc-list.com/instructor/peter-co	orke		

COURSE TITLE		HISTORY OF ART		CREDITS	3		
COURSE CODE	CDA1202		BS	L-T-P-S	3-0-0-0		
CIA		20%	· ·	ESE	80%		
PREREQUISITES							
MODULE - 1	Introduction to Art history 9						
		of "Art History" as a discipl	ine while stu	udying Visual Arts	5,		
MODULE – 2 Pre &	Proto Histo	ric Period 10					
	Prehistoric Cave paintings from Bhopal, Harappa & Mohenjedaro Civilization (townplanning, sculpture-Beard man, dancing girl, seals and script), Rock cut architecture, Architecture- Ajanta, Brahminical cave, Architecture - Ellora,						
MODULE – 3 India	n Artist & W	orks10					
	Gagendranath Tagore, Jamini Roy, Rabindranath Tagore, Amrita Sher Gill,						
	Ramkinker Vaij etc						
	MODULE – 4Western artists & Works10						
	Michelangelo, Leonardo da Vinci, Vincent van Gogh, Paul Gauguin, Georges Seurat, Salvador Dali, Pablo Picasso etc.						

MODULE – 5 Art c	MODULE – 5 Art criticism 9						
	Critical analysis of evolution and style of art through different time zones.						
REFERENCE							
1	Typology - G.M. Rege,Bombay.						
2	Kalatmak Lykhai, published by D.A.V.P.						
3	Figure Painting in Water Colour, Charles Reid Watson, GuptillPublication						
MOOC							
	https://www.mooc-list.com/course/live-history-art-artists-animators-and-gamers-						
	coursera						

COURSE TITLE		COMMUNICATION DESIGN			CREDITS	3
COURSE CODE	CDA1203	COURSE CATEGOR	RY	PD	L-T-P-S	1-0-4-0
CIA		20%			ESE	80%
PREREQUISITES						
MODULE - 1	Project -1					10
		ased on following conte			design as	applied to
MODIFIE OB		ommunication problems	within	the context	of oursociety.	
MODULE – 2 Proj e		10	4 0:			
	•	ased on following conte		•	rmation in ter	ms of
			equence	, etc.		
MODULE – 2	Project -					
	Project b	ased on following conte	ents: De	sign of maga	zine, textbook	, picture
	books, (Children's books, e	xhibition	n, website, e-	book, etc.	
REFERENCE						
1	Meggs, Phil	llip B.; Type and Image: th	e languag	ge of graphic	Design, VNR,1	992.
2		R. Carter, D. B. Meg Phillip, Typographic Design: Form and Communication, John				
	Wiley & So			C		,
3	Kimberly E	lam , Grid Systems: Princip	ples of O	rganizing Typ	e (Design Briet	Ġ).
	Princeton Architectural Press, 2004.					
4		rmann, E.M Ginger; Stop S	Stealing S	heep & Find	Out How Type	Works.
		tion, Adobe Press; 2 edition		neep ee i mer	5 W 110 W 1 Jp C	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
MOOC	•					
	https://www.mooc-list.com/course/design-thinking-ideation-iteration-and-					
	communica					

CDA1204 CF	COURSE TITLE	FUNDA	MENTALS OF ANIMATION DESIGN	CREDITS	3	
PREREQUISITES MODULE - 1 Introduction to Animation Introduction to Animation, Animation History, Animation techniques: Traditional animation practices and their importance and relation to contemporary animation techniques. Introduction to specialized areas: Cellanimation, character animation, clay animation and puppet animation, Principles of Animation, Production Pipeline. MODULE - 2Preproduction Introduction to Pre-Production, Scripting, Storyboarding, Layout, Character Designing, Props Designing, Background Designing, Camera Angles, Frame Length. MODULE - 3Visual Culture Importance of visual culture in the study of animation. Applying visual technology for animation. MODULE - 4Animation Production10 Animation production: techniques for production and analyzing 2D and 3D animation. 3D Modeling, Texturing, Rigging, 3D Animation, CG Lighting, Visual Effects MODULE - 5Post production Post Production Post Production processes, Importance of post-production, Compositing, and Rendering. REFERENCE K. Laybourne, The animation book: a complete guide to animated filmmaking, from filp-books to sound cartoons, Revised Edition, Three Rivers Press, 1998 S. Roberts, Character Animation in 3D: Use of traditional drawing techniques toproduce stunning CGI animation, Focal Press, 2004 Beginner's Guide to Animation - by Mark Murphy; Watson-Guptill Publication. O. Johnston, and F. Thomas, The Illusion of Life: Disney Animation, Walter Foster Publishing. W. T. Foster, Cartooning: Animation Basics, Revised Edition, Walter Foster Publishing.	COURSE CODE	CDA1204	CF	L-T-P-S	1-0-4-0	
Introduction to Animation	CIA		20%	ESE	80%	
Introduction to Animation						
Introduction to Animation	DDEDEOLUCITES					
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technology for animation. MODULE – 4Animation Production10 Animation production: techniques for production and analyzing 2D and 3D animation. 3D Modeling, Texturing, Rigging, 3D Animation, CG Lighting, Visual Effects MODULE – 5Post production 9 Post Production processes, Importance of post-production, Compositing, and Rendering. REFERENCE K. Laybourne, The animation book: a complete guide to animated filmmaking, from filp-books to sound cartoons, Revised Edition, Three Rivers Press,1998 S. Roberts, Character Animation in 3D: Use of traditional drawing techniques toproduce stunning CGI animation, Focal Press,2004 Beginner's Guide to Animation – by Mark Murphy; Watson-GuptillPublication. G. Johnston, and F. Thomas, The Illusion of Life: Disney Animation, Walter FosterPublishing. W. T. Foster, Cartooning: Animation Basics, Revised Edition, Walter FosterPublishing. M. Nicholas, Introduction to Visual Culture, Routledge, London	MODULE - 3 VISUA		— v	\ nnlying yigu	.1	
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MODULE – 5Post production Post Production processes, Importance of post-production, Compositing, and Rendering. REFERENCE K. Laybourne, The animation book: a complete guide to animated filmmaking, from filp-books to sound cartoons, Revised Edition, Three Rivers Press, 1998 S. Roberts, Character Animation in 3D: Use of traditional drawing techniques toproduce stunning CGI animation, Focal Press, 2004 Beginner's Guide to Animation – by Mark Murphy; Watson-GuptillPublication. O. Johnston, and F. Thomas, The Illusion of Life: Disney Animation, Walter FosterPublishing. W. T. Foster, Cartooning: Animation Basics, Revised Edition, Walter FosterPublishing. M. Nicholas, Introduction to Visual Culture, Routledge, London						
Post Production processes, Importance of post-production, Compositing, and Rendering. REFERENCE 1 K. Laybourne, The animation book: a complete guide to animated filmmaking, from filp-books to sound cartoons, Revised Edition, Three Rivers Press,1998 2 S. Roberts, Character Animation in 3D: Use of traditional drawing techniques toproduce stunning CGI animation, Focal Press,2004 3 Beginner's Guide to Animation – by Mark Murphy; Watson-GuptillPublication. 4 O. Johnston, and F. Thomas, The Illusion of Life: Disney Animation, Walter FosterPublishing. 5 W. T. Foster, Cartooning: Animation Basics, Revised Edition, Walter FosterPublishing. 6 M. Nicholas, Introduction to Visual Culture, Routledge, London MOOC		Visual Effe	cts		O .	
REFERENCE K. Laybourne, The animation book: a complete guide to animated filmmaking, from filp-books to sound cartoons, Revised Edition, Three Rivers Press,1998 S. Roberts, Character Animation in 3D: Use of traditional drawing techniques toproduce stunning CGI animation, Focal Press,2004 Beginner's Guide to Animation – by Mark Murphy; Watson-GuptillPublication. O. Johnston, and F. Thomas, The Illusion of Life: Disney Animation, Walter FosterPublishing. W. T. Foster, Cartooning: Animation Basics, Revised Edition, Walter FosterPublishing. M. Nicholas, Introduction to Visual Culture, Routledge, London	MODULE – 5 Post p	roduction	9			
REFERENCE K. Laybourne, The animation book: a complete guide to animated filmmaking, from filp-books to sound cartoons, Revised Edition, Three Rivers Press,1998 S. Roberts, Character Animation in 3D: Use of traditional drawing techniques toproduce stunning CGI animation, Focal Press,2004 Beginner's Guide to Animation – by Mark Murphy; Watson-GuptillPublication. Beginner's Guide to Animation of Life: Disney Animation, Walter FosterPublishing. W. T. Foster, Cartooning: Animation Basics, Revised Edition, Walter FosterPublishing. M. Nicholas, Introduction to Visual Culture, Routledge, London MOOC			ction processes, Importance of post-production	on, Compositi	ng, and	
K. Laybourne, The animation book: a complete guide to animated filmmaking, from filp-books to sound cartoons, Revised Edition, Three Rivers Press,1998 S. Roberts, Character Animation in 3D: Use of traditional drawing techniques toproduce stunning CGI animation, Focal Press,2004 Beginner's Guide to Animation – by Mark Murphy; Watson-GuptillPublication. O. Johnston, and F. Thomas, The Illusion of Life: Disney Animation, Walter FosterPublishing. W. T. Foster, Cartooning: Animation Basics, Revised Edition, Walter FosterPublishing. M. Nicholas, Introduction to Visual Culture, Routledge, London		Rendering.				
filp-books to sound cartoons, Revised Edition, Three Rivers Press,1998 S. Roberts, Character Animation in 3D: Use of traditional drawing techniques toproduce stunning CGI animation, Focal Press,2004 Beginner's Guide to Animation – by Mark Murphy; Watson-GuptillPublication. O. Johnston, and F. Thomas, The Illusion of Life: Disney Animation, Walter FosterPublishing. W. T. Foster, Cartooning: Animation Basics, Revised Edition, Walter FosterPublishing. M. Nicholas, Introduction to Visual Culture, Routledge, London		1				
S. Roberts, Character Animation in 3D: Use of traditional drawing techniques toproduce stunning CGI animation, Focal Press,2004 Beginner's Guide to Animation – by Mark Murphy; Watson-GuptillPublication. O. Johnston, and F. Thomas, The Illusion of Life: Disney Animation, Walter FosterPublishing. W. T. Foster, Cartooning: Animation Basics, Revised Edition, Walter FosterPublishing. M. Nicholas, Introduction to Visual Culture, Routledge, London	1	•		•	g, from	
3 Beginner's Guide to Animation – by Mark Murphy; Watson-GuptillPublication. 4 O. Johnston, and F. Thomas, The Illusion of Life: Disney Animation, Walter FosterPublishing. 5 W. T. Foster, Cartooning: Animation Basics, Revised Edition, Walter FosterPublishing. 6 M. Nicholas, Introduction to Visual Culture, Routledge, London MOOC	2	· · ·				
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O. Johnston, and F. Thomas, <i>The Illusion of Life: Disney Animation</i> , Walter FosterPublishing. W. T. Foster, <i>Cartooning: Animation Basics</i> , Revised Edition, Walter FosterPublishing. M. Nicholas, <i>Introduction to Visual Culture</i> , Routledge, London MOOC	2	1 1				
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6 M. Nicholas, Introduction to Visual Culture, Routledge, London MOOC	•	·		mation, Walter		
MOOC	5	W. T. Foster	c, Cartooning: Animation Basics, Revised Edition	n, Walter Foster	Publishing.	
	6	M. Nicholas	, Introduction to Visual Culture, Routledge, London	don		
https://www.mooc-list.com/tags/animation	MOOC		-			
		https://www	.mooc-list.com/tags/animation			

COURSE TITLE	GRAPHIC	GRAPHIC DESIGN FOR COMMUNICATION CREDITS 3					3			
COURSE CODE	CDA1205				(CF	L-T-P-	-S	1-0	-4-0
CIA			209	6			ESE		80)%
PREREQUISITES										
MODULE - 1	Communica									9
	Communica illustration t		and	concepts	using	various	means	of drav	wing	and
MODULE – 2 Media			•	10	•			•	•	
	Creation of artworks for reproduction using tools of new media. Basic visual									

	compositions using text and image for both page and screen.
MODULE – 3 Printi	ing 10
	Traditional vs. Digital printing, Lithography, Gravure, Letter press, Screen printing, Digital printing. Dot gain and choice of papers for different quality of printing. Paper sizes and theirformats
	MODULE – 4 Desktop Publication 10
	Desk Top Publication production, color separation, positives and plate making, exposure to pre-press activities in off-set printing.
MODULE – 5 Proje	ect 9
	Designofstationary, visiting cards, letter heads, etc., booklets or label designs for smallproducts.
REFERENCE	
1	B. Gordon and M. Gordon, <i>Complete Guide to Digital Graphic Design</i> , Thames &Hudson, 2002.
2	A. Pipes, Production for Graphic Designers, Laurence King Publication,
3	T. Porter and S. Goodman, <i>Manual of Graphic Techniques</i> , Vols. 1, 3, 4, Architectural Press,
4	A. Glossman, Printing Fundamentals, Tappi Press,
5	T. Porter, Design Drawing techniques for architects, graphic designers and artists, Architectural Press, Oxford.
MOOC	
	https://www.mooc-list.com/tags/graphic-design

COURSE TITLE		DESIGN STUDIO – III		CREDITS	4			
COURSE CODE	CDB1231	COURSE CATEGORY	PC	L-T-P-S	0-0-8-0			
CIA		50%		ESE	50%			
PREREQUISITES								
MODULE - 1	Project -1				30			
	Project ba	sed on following contents	: Implemen	tation of desig	n or art			
	elements, principle, drawing techniques,							
MODULE – 2 Projec	MODULE – 2Project -2 30							
	Project based on following contents: Communicating ideas and concepts using							
various means of drawing and illustration techniques.								

SEMESTER IV

COURSE TITLE	MULT	IMEDIA DESIGN FUNDAME	NTALS	CREDITS	3
COURSE CODE	CDA1216		CF	L-T-P-S	3-0-0-0
CIA		20%		ESE	80%
PREREQUISITES	1				
MODULE - 1	Introduction	n e			9
WODCEL 1		Iultimedia, Present and Future Ma	arket Poten	tial.	
MODILLE OD:		,			
MODULE – 2 Dime		10 s of Multimedia – Functionality,	Aasthatics	Contant and	Haability
	Multimedia	a Product Possibilities	Aestheucs	s, Content and	Osability.
MODULE – 3 Auth		10			
WODOLL - JAuth		ling Authoring Tools – Types of A	Authoring [Fools Importa	nt
	Features.	ing rudioning roots Types or r	rumoning .	room, importa	
MODULE – 4 Skill s	sets	10			
	Multimedia	a Skills, Building an Efficient Tea	m, Role of	Multimedia	
	Producer,V	Vriter, Interface Designers, Audio	and Video	Specialist,	
	Multimedia	aProgrammer			
MODULE – 5 Mult	imedia Proje	ect 9			
	Stages of c	reating a Multimedia Project – Pl	anning and	Costing, Design	gning and
	Producing,	Design Aesthetics - Interface De	sign, Graph	ical User Inter	face,
		lience, Social Media, Designing f	or the Worl	ld Wide Web,	Testing,
REFERENCE	Delivery				
1	Vic Costella	with Susan A. Youngblood and No	rman F Vo	ınghlood	
1		Foundations: Core Concepts for Dig			13
2		n, Multimedia: Making It Work, Nin			13.
_	Education,2		iui Euiuoii, i	vic-Graw Tilli	
3		leman Dowling, Multimedia Demysti	ified First F	dition Mc-Gray	v Hill 2012
4		Getting Started in Multimedia Desig			
	Books, 1997		gn, fiist Eui	uon, norm Ligi	ıı
MOOC	20010,1777	·			
	https://www	v.mooc-list.com/course/creative-prog	ramming-di	gital-media-ann	s-coursera
		misst had only course, creative prog	, ui	5. meana app	2 2 3 61 3 61 4

COURSE TITLE	INTER	FACE AND INFORMATION	DESIGN	CREDITS	3
COURSE CODE	CDA1217		CF	L-T-P-S	1-0-4-0
CIA		20%		ESE	80%
DDEDEOLUCITEC	1				
PREREQUISITES 1	Interface N	Madia			9
MODULE - 1		of Interface and Instructional co	onsideration	s in interactiv	
	Case studie	es presentations of good websites	and multim	edia	ve design.
MODULE – 2 Infor			and mannin	1	0
11102022 2211101		f information architecture and use	er study, ide		<u> </u>
		ow to integrate features and conte			
		navigation.			
MODULE – 3 Infor		<u> </u>			
WIODULL SIIIIOI	Storyboard	ing and identification of informat	tion hierarch	ies in informa	tion
	design syst	ems. The use of metaphor in info	rmation des	ign	
		MODULE – 4 Domains	10		
	Developme	ent of an interface depending on t	he domains	of learning as	well as
		arning, Creating design strategy of			
	modules. U	nderstanding interactivity in mul	timedia.		
MODULE – 5 Proj		9			
		a CD for educational purposes of	or for a socia	al cause.	
REFERENCE	•				
1	P. Mijksena	ar and P. Wetendrop, <i>Open Here–T</i>	he art of Inst	ructional Desig	n,
	Thames and	Hudson, 1999.			
2	J. Villamil a	nd L. Molina, Multimedia: producti	on planning o	and delivery,	
	Prentice Ha	1, 1998.		•	
3	P. Mijksena	ar, Visual Information–Introduction	to Informatio	on	
		ceton Architectural Press,1998.	3		
4	M. Woolma	n, Type in motion, Innovation in Dig	rital Informat	tion	
		hames & Hudson, 2002	,,		
5	*	, Designing Interactive Digital Med	ia, Focal Pre	ss,1998	
MOOC	TI	, , , , , , , , , , , , , , , , , , , ,			
	https://www	.mooc-list.com/tags/user-interface-d	lesign		
	1	and the state of t			

COURSE TITLE	WEB DE	SIGN		CREDITS	3	
COURSE CODE	CDA1218		CF	L-T-P-S	3-0-0-0	
CIA		20%		ESE	80%	
DD ED E OL MANTEG	1					
PREREQUISITES						
MODULE - 1	Web Design	1			9	
	History of V	Web and its background				
MODULE – 2Web	Tools	10				
	Web design	tools and techniques - Photos	hop, Drea	amweaver, Flash, F	rontPage	
	and other in	nportant tools and software, W	eb author	ing.		
MODULE – 3Web Technology 10						

	Web design technology – Introduction to HTML, CSS, Java, PHP						
MODULE – 4 Searc	MODULE – 4 Search Engine 10						
	Word Press tools, SEO technology, Search engine technology.						
MODULE – 5 Web	design for Screens9						
	Web design for mobile, Digital pad, Monitor						
REFERENCE							
1	Using the internet (4th Ed.), Prentice Hall, New Delhi,2000						
2	Building a website, Tim Worsley, Orling Kindersely, New Delhi, 2000.						
3	Web Designing Fundamentals, Daniel Gray, Dreamtech Press, New Delhi, 2000.						
4	How the Internet works, Millennium Edition by PrestonGralla.						
5	Adaptive Web Design, 2 nd Edition By Aaron Gustafson, New Riders,						
	December2015.						
MOOC							
_	https://www.mooc-list.com/tags/web-design						

COURSE TITLE		D ANIMATION TECHNIQU	ES	CREDITS	3
COURSE CODE	CDA1219		PD	L-T-P-S	1-0-4-0
CIA		20%		ESE	80%
PREREQUISITES					
MODULE - 1	Introduction				6
	The magi Animation	development of Animation, Eac lantern, Thaumatrope, Flip, Feature Length Film, Stop moti	Book, Pra	axinoscope, T	Zoetrope, Traditional
MODULE – 2 Futu	re of Animat	ion		10	
	Animated 1	Humans, Cell Shaded Animation	, Principle of	f Animation	
MODULE – 3 Proc					
	Synopsis w	riting, Budgeting, Developing a			
		MODULE – 4 Pre-production			
	Story Writ	ing, Script /dialogue Writing, Sc.	reenplay, Mo	del sheet-Cha	racter
	designs, St	oryboard.			
MODULE – 5 Proc					
		ing, Special Effects, Color Correyboard and Screenplay Writing.	ections, Rend	ering, Exercise	e on
REFERENCE					
1	History of	Animation- Wikipedia, the free e	ncyclopaedia	a 6-2-2010 p1-	15
2	Thomas, F	rank and Ollie Johnston, The Illu	sion of life L	Disney	
	Animation,	Walt Disney production, New Y	ork, NY 100	11, Revised	
	Edition of	Disney Animation, Popular Editi	ion .		
3	Principle o	of Traditional Animation applied	to 3D compi	ıter Animation	"
		Rofael California In ACM Comp			
	*	nstein, Paul Max, Writing for Me		, ,	
		v Jersey 07632, 1988. ISBN 0-1		, 0	
MOOC	,				
	https://ww	w.mooc-list.com/tags/2d			

COURSE TITLE		AUDIO VIDEO EDITING		CREDITS	3
COURSE CODE	CDA1220		PD	L-T-P-S	3-0-0-0
CIA		20%		ESE	80%
PREREQUISITES					
MODULE - 1	Introduction	on			6
	Basic shots	s and their composition, Vario	us camera i	movements ar	nd angles,
		ndproductionofprogramsinstudio	Single and	multi-camera	shooting,
MODULE – 2 Audi o	Shooting an	i interview.		6	
WIODULE - ZAuulu	Creating ti	ne line - cut, fade and mix, Int	roduction to	•	Annlying
		and, Working with audioediting	oddenon to	caring tools,	ripprymg
	software.	, 8			
MODULE – 3Video	Editing	6			
	Making	edit decisions, Ci	eating	a time	line,
	Maintoolso onnon-	fediting,Basicstransitions:cut, d	issolve, wij	pe and fade,	Working
	-	ng software.			
		OULE – 4Advanced Editing Tec	hniques6		
	Audio mix	ing with visuals, Special audio	o- video eff	fects, Video t	itling and
		endering and authoring, Editing	montage and	l promos.	
MODULE – 5 Soun			D: 1 FF	<u> </u>	
		of sound- Bass, Timber, Treble			
		o, Reverb and Distortion Soun bound Recording Types of Soun			
		rround Sound.	d Mono, St	ereo, Burroun	a Concept
REFERENCE	, ,				
1	Talbot Mic	chael -Smith, Sound engineering	evolained F	Socal Press 201	1
2		ec, The sound studio: audio techn			. 1.
_		filmand recording, Focal Press,20	-	uio,	
	· · · · · · · · · · · · · · · · · · ·	rt L., Sound effects: radio, TV, a		al Press 1990	
3		ein, David, Sound design: the exp		·	
		sound effects in cinema, Michael			
4	,	The Sound Effects Bible: How to			
		Style Sound Effects, Michael W			
5	•	luca, The Dolby era: film sound			
	U ,	, Manchester University Press, 2		•	
	_	nd practice, Routledge, 1992.	oo n - Ailiilai	ii, ixick, Souliu	
MOOC	incory, sour	na praence, Rouneage,1772.			
111000	https://www	.mooc-list.com/tags/video-editing			
	Titps.//www	.mooc-nst.com/ tags/ video-cutting			

COURSE TITLE		DESIGN STUDIO – IV		CREDITS	4	
COURSE CODE	CDB1241	COURSE CATEGORY	PC	L-T-P-S	0-0-8-0	
CIA		50%		ESE	50%	
PREREQUISITES						
MODULE - 1	Project -1				20	
	Project based on following contents: Interface and Information design, Developing a CD for educational purposes or for a social cause					
MODULE – 2 Proje	ct -2	20				
	Project based on following contents: Traditional Animation, Stop motion, Clay Animation, Paper cut animation.					
MODULE – 3	Project -3	20				
	Project based on following contents: 2D Character and background design, 2D digital animation concept.					

**Industrial Training Phase – I

(During summer break tentatively in the month of \boldsymbol{MAY} - \boldsymbol{JUNE})

SEMESTER V

COURSE TITLE	CREATIVE THINKING PROCESS AND METHODS	CREDITS	3		
COURSE CODE	CDB1301 CF	L-T-P-S	3-0-0-0		
CIA	20%	ESE	80%		
PREREQUISITES					
MODULE - 1	Introduction		6		
	Cognitive issues in creative thinking; Neurobiolo lateralization with respect to creative thinking phen		ıman brain		
MODULE – 2Mai	nagement 1	0			
	Introduction to knowledge engineering and manage	ement, Future casti	ng; Case		
	Studies; Issues in Intellectual Property Rights				
MODULE – 3 Des i	ign Thinking 10				
	Modelling of Design Thinking and Tacit knowledg	e representation; F	uzzy		
	thinking, vertical thinking, lateral thinking				
	MODULE – 4Issues in creativity 10				
	Management issues in creativity and innovation; gr	oup versus individ	ual		
	creativity.				
MODULE – 5 Cre	eativity Tools and techniques9	1	TD 17		
	Creativity techniques and tools; Brain storming, Hymethod, Morphological analysis of ideas. Role of convention; Comparative studies of creativity in the and Design.	reativity in Innova	tion and		
REFERENCE					
1	M. Runio and S. Pritzker (eds.), Encyclopedia of Creati	vity, Academic Press	s,1999.		
2	G. Schreiber, H. Akkermans, A. Anjewierden, R. de Ho	og, N. Shadbolt, W.			
	Van de Velde and B. Wielinga, Knowledge Engineering				
	MIT Universities Press India Ltd, 2000.				
3	E. De Bono, Serious Creativity, INDUS Harper Collins	Publishers India,199	92.		
4	D. Morey, M. Maybury and B. Thuraisingham, <i>Knowled</i> Press MIT, 2000	dge Management, U	niversities		
5	T. Proctor, The essence of Management Creativity, PHI	, New Delhi,2002.			
6	H. Petroski, <i>Invention by Design</i> , Universities Press (Inc.				
7	M. French, Invention and Evolution – Design in Nature and				
	engineering, Cambridge University Press,1994.				
MOOC	-				
	https://www.mooc-list.com/tags/creative-thinking				

COURSE TITLE	3D	MODELING AND TEX	XTURING	CREDITS	3	
COURSE CODE	CDB1302		CF	L-T-P-S	1-0-4-0	
CIA		20%	<u>.</u>	ESE	80%	
PREREQUISITES						
MODULE - 1	Introduction				6	
	Basic 3D tr	ansforms translation, rota	tion, scaling.			
MODULE – 2 Basic	Modelling			10		
	Concepts of	f Modeling with Subdivisa	ion Surfaces, Mo	deling and a Cha	aracter	
	with Polygo	on & NURBS: NURBS To	opology, Tools &	& Methods, Mode	eling with	
	Profile Cur	ves, Designing and Model	ling a Character	with Polygon &	NURBS.	
MODULE – 3 Mode	ling Tools	10	-			
		vith Polygon Tools, Using		Block Modeling,	Sculpting	
		er, Groups and Hierarchie				
MO		signing a Humanoid and				
		atomy for Modelers, Usin	g Distortions for	Artistic Purpose	s, Methods	
	and Tools.					
MODULE – 5 Text		9				
	UVKnowle	stures, Colour, texture and dge, Create UVs, UVs lay ture, adding texture mappi	out tools, Projec	ction UVs map, U	Jtilizes er.	
REFERENCE						
1	Murdock, K	elly C., 3ds Max 7 Bible, Wi	iley Dreamtech Inc	dia Pvt. Ltd. New		
	Delhi, 2005,	ISBN: 81-265-0597-4.				
2	Kulagin, Bo	ris, Dmitry Morozou, 3Ds M	ax & Animation v	vith Character Stu	dio	
	4 and Plug-	Ins, Firewall Media, New D	elhi, 2006, ISBN:	81-7008-820-8		
3	Kulagin, Bo	ris, 3ds Max 8, From Model	ing to Animation,	BPB		
	Publications	Publications, B-14, Connaught Place, New Delhi-110001, 2007,				
	ISBN:81-83					
MOOC						
	https://www	.mooc-list.com/tags/3d-mod	eling			

COURSE TITLE	COMPUTER GENERATED LIGHTING AND	CREDITS	3
	RENDERING		
COURSE CODE	CDB1303 CF	L-T-P-S	1-0-4-0
CIA	20%	ESE	80%
PDEDEOI HOMEO			
PREREQUISITES MODULE - 1 I	Introduction 9		
MODULE - I	Understanding natural lighting and shadow form	ations: Colour	Theory
	Properties of Light.	ations, Coloui	Theory,
MODULE – 2Light		10	
	Fundamentals of Lighting Design; Direct and Indirect I	Ilumination: 3-	point
	Lighting; Types of Lights and their attributes in a 3D so		F
MODULE – 3 Tool			
	Indoor and Outdoor Lighting Techniques; Depth Map a	and Raytrace Sh	nadows.
MODULE -	- 4Rendering Techniques	<u>, </u>	10
	Basic Rendering Techniques; Rendering in Layers; Lig	hting Passes; R	endering
	in Passes; Virtual Cameras and Depth of Field; Pre-composition	siting	
MODULE – 5 Ligh	t Effects 6		
	Recreating Light effects such as Caustics, Global Illum	ination and Fin	al Gather
	using Mental Ray; Key inputs for lighting a 3D scene a	s per industrial	
PEEEDENGE	standards.		
REFERENCE	The property of the property o	T D'1 2014	
1	Jeremy Birn, Digital Lighting & Rendering, Third Edition, N	New Riders,2014	•
2	Darren Brooker, Essential CG Lighting Techniques with 3D.	S Max, Third	
	Edition, Focal Press, 2008.		
3	Chuck Gloman and Tom Letourneau, <i>Placing Shadows – Lig</i>	ghting	
	Techniques for Video Production, Third Edition, Focal Press	s,2013.	
4	Gerald Milerson, Lighting for Television & Film, Third Edit	ion, Focal Press,	2013.
5	Lee Lanier, Advanced Maya Texturing and Lighting, Third I	Edition, Autodes	k Maya
	Press, Wiley Publishing Inc.,2015.		
MOOC			
	https://www.mooc-list.com/course/website-performance-opt	imization-	
	udacity?static=true&page=1		

COURSE TITLE	ETHICS AND HUMAN VALUE			CREDITS	3
COURSE CODE	CDB1304	COURSE CATEGORY	PD	L-T-P-S	3-0-0-0
CIA	20% ESE				80%
PREREQUISITES					
MODULE - 1	Engineering				6
	Senses of '	engineering ethics' – variety	of moral	issues – types of	inquiry –
	moral dilen	nmas – moral autonomy – Ko	hlberg's	theory – Gilligan's	s theory –
	consensus a	and controversy – professions	s and pro	ofessionalism – pr	ofessional

	ideals and virtues - theories about right action - self- interest - customs and
	religion – uses of ethical theories
MODULE – 2 Engin	eering as Social Experimentation 9
	Engineering as social experimentation—engineers as responsible experimenters—codes of ethics—a balanced outlook on law—the
	challenger case study
MODULE – 3 Resp o	onsibility for Safety 6
	Responsibility for Safety, Safety and risk assessment of safety and risk – risk benefit analysis – reducing risk
MODULE – 4 Respo	onsibilities and Rights 6
	Collegiality and loyalty – respect for authority – collective bargaining – confidentiality – conflicts of interest – occupational crime – professional rights – employee rights – intellectual property rights – discrimination
MODULE – 5 Glob a	d Issues 9
	Multinational corporations – environmental ethics – computer ethics – weapons development – engineers as managers – consulting engineers – engineers as expert witnesses and advisors – moral leadership – sample code of conduct
REFERENCE	
1	Mike Martin and Roland Schinzinger, "Ethics in Engineering", McGraw Hill, New York, 1996.
2	Charles D Fleddermann, "Engineering Ethics", prentice Hall, New Mexico, 1999.
3	Laura Schlesinger, "How Could You Do That: The Abdication of Character,
	Courage, and Conscience", Harper Collins, New York, 1996.
4	Stephen Carter, "Integrity", Basic Books, New York, 1996.
MOOC	
	https://www.mooc-list.com/tags/ethics

COURSE TITLE		DESIGN STUDIO – V		CRED	ITS	4
COURSE CODE	CDB1331	COURSE CATEGORY	PD	L-T-P-	-S	0-0-8-0
CIA		50%		ESE		50%
					·	
PREREQUISITES						
MODULE - 1	Project -1					20
	Understandi	ng of 2D & 3D.				
MODULE – 2 Projec	et -2	20				
	Paper, Caro	d board, Wood block, Clay etc				
MODULE – 3	Project -3					20
	• 1	of Clay Animation movie aterial or Software.	concept,	Prototype	Concept	design

SEMESTER VI

COURSE TITLE	INI	DUSTRIAL MAN ENTREPREN		CREDITS	3
COURSE CODE	CDB1316	ENIKEPKEN	CF	L-T-P-S	3-0-0-0
CIA	CDB1310	20%	CI	ESE	80%
CHI		2070		Bot	8070
PREREQUISITES					
MODULE - 1	Manageme		- D ! ! I	9	
	Meaning at	nd Concept of Man	agement, Principles a Behaviour, Function	and function of Manager	anagement,
			and Controlling.		
		and application	and Controlling.	wiotrvation impi	ication of
MODULE – 2 Lead					10
	Leadership	and Decision Mak	ing: Qualities and St	tyles of Leadership	o, Decision
	making pro	ocess. Individual P	rocess in Organizat	ions-Perception, a	ttitude and
			them, How they infl		
~			tion, Group effect	veness, Group Co	nflict.
MODULE – 3 Smal			T	1 7 1 . 77	
	Small Scale	e Industry-Definition	on, Types of Small S	cale Industry, Hov	w to Set up
			nd Problem of Smal		
			and Public Limited nment and Financial		of Fillance
	101 Entrept	MODULE – 4 Hur		msututions etc.	
	Evolution.		of Human Resou	rce Management	in India.
	Recruitmen	nt and Selection	Process in Organ	ization, Job Ana	alysis, Job
	Specification	on, Selection Proces	ss-Test and Interview	1	,
MODULE – 5 Enti	repreneurshi	p9			
	Entrepren	eurship - Meanir	ng, Types of entr	epreneur, Qualiti	es of an
	entreprene	eur, Role of Entrep	reneur, Factors affe	cting entrepreneur	ial growth.
	Entrepren	eurship Developn	nent Programme -	Concept, Obje	ctive_ and
	Importanc	ce, Engineer Entrep	preneurship Training	Programme Sche	eme. Trade
DEFEDENCE	Union and	l Collective Bargair	ning,		
REFERENCE				.1	
1			haviour, S. Chand Pub	lishing, 4 th Revised	
	Edition,2010				
2	· /		K. Gupta – Business C	U	
			Kalyani Publishers,201		
3	Cynthia L. C	Greene – <i>Entrepreneu</i>	ırship: Ideas in Action,	6 th Edition, South-V	Vestern
	Cengage Le	arning, 2017.			
4	M. Woolma	n, Type in motion, In	novation in Digital Info	ormation	
	Graphics, Thames & Hudson, 2002				
5	N. V. Luppa	a, Designing Interacti	ve Digital Media, Foca	al Press,1998	
MOOC					
	https://www	.mooc-list.com/cours	se/principles-managem	ent-saylororg	

COURSE TITLE	GAME DE	SIGN		CREDITS	3
COURSE CODE	CDB1317		CF	L-T-P-S	1-0-4-0
CIA		20%	·	ESE	80%
PREREQUISITES					
MODULE - 1	Introduction			9	
		ding Video Games - Pr			
	simple gan	nes, Reason of playing	games, Elements	that define gam	es and the
		sperience, Similarity and		games from e	ach other;
MODULE – 2 Gam		Gaming; Evolution of G	aming.		
MODULE – 2 Gam		n 10 ion of Games - Game Ge	nra: Gama Tynas:	DyD and DyE	
		er's Perspective; Designe		FVF and FVL,	
MODULE – 3 Sma					
		latforms; Types of Gami			
		GamingHardware-Buil	dingaGamingRig;	Gaming P	eripherals;
	Gaming in	Virtual Reality	10		
	_	ODULE – 4 Human Res o			
	_	g Industry; Pros and Con	s of Gaming		
MODULE – 5 Narr		6			
		– Players learning the			
		Rules communicated to portance of a story in gar		ules bent and	broken by
REFERENCE	player, IIII	portance of a story in gar	nes		
1	Stavan Kant	The Ultimate History of V	idaa Camas Eirst E	dition Throa Div	ore
	Press,2001.	The Ollimate History of V	ideo Games, Fiist E	dition, Three Kiv	C18
2	Simon Egenf	feldt-Nielsen, Jonas Heide	Smith and Susana P	ajares Tosca,	
	Understandir	ng Video Games: The Esse	ntial Introduction, T	Third Edition,	
	Routledge,20)16			
3	Jane McGon	igal, Reality is Broken: Wh	y Games Make Us I	Better and How T	hey Can
	Change The	World, Penguin Press,2011			-
4	Chris Melissi	inos, Patrick O'Rourke, M	ike Mika and Elizab	eth Broun, The A	rt of
		s: From Pac-Man to Mass			
5	Chris Kohler	, Power Up: How Japanes	e Video Games Gav	e the World an Ex	xtra Life,
	Second Edition, Dover Publications, 2015.				
MOOC					
	https://www.	mooc-list.com/tags/game-o	lesign		
		<u> </u>			

COURSE TITLE	3	D ANIMATION TECHN	NIQUES	CREDITS	3
COURSE CODE	CDB1318		CF	L-T-P-S	1-0-4-0
CIA		20%	·	ESE	80%
PD ED E OL HOUTEG	1				
PREREQUISITES	ation Posics				
MODULE - 1 Anim		on to 3D animation bas	ios Voy Ero	ma Animation	Animation
	Technique	es: Non –Linear and Chara	cter Animation	n Path Animation	Exercises
	and warm			i,i am i immation	, LACICISCS
MODULE – 2 Mo t	ion Studies	10			
		tudies, Line of action, Pat		uick Studies fron	n real life:
		d psychological effect, Stud			
		posture, gesture, facial exp	pression, Acting		
MODULE – 3 3D			. 15 0	10	•
	The Anim	nation Process: Posing, Ti	ming and Refi	ning, Working v	vith Poses.
	methods.	s: IK and FK, Binding &	weight for ch	naracter, differen	i Skinning
MODIII	E – 4 Characte	· Rigging			10
WODCE	Character	Rigging: Anatomy	study. Unders	tanding Skeletons	
		eof Deformers, Creating bo	ones for Charac	eter.	, 00110
MODULE – 5 Cha					
	Character	set-up for a wide range of	f complex bod	ly movement, wi	th controls
	that are in	tuitive and flexible.			
REFERENCE					
1		or's Survival Kit - by Richard			n -
		ion (5 November 2009), ISB			
2		D Animation, by Peter Ratner	r; Allworth Press	s (September 1, 200	00),
	ISBN-10: 1:				
3	_	imation: A Look at 12 Films	by Ed Hooks; H	einemann Drama (February
		BN-10:0325007055			
4		acterAnimation3-			
	byGeorgeM	aestri;NewRidersPress(April2	22,2006),ISBN-1	10: 9780321376008	3
5	TimingforAi	imation-			
	byHaroldW	nitakerandJohnHalas;FocalPr	ess;2 nd edition(Se	eptember3, 2009), l	SBN-10:
	9780240521	602.			
6.	Inspired3DA	AdvancedRiggingandDeforma	utionsbyBradCla	rk,JohnHood&Joel	Harkins:C
	-	ology PTR; 1 edition (March	•		., ., .
MOOC	•	` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `			
1.1000	https://www.	.mooc-list.com/course/3d-mo	dala vintual neel	ity courses	
	nups://www	.mooc-nst.com/course/3d-mo	ueis-virtuai-real	nty-coursera	

COURSE TITLE	VISUAL EFFECTS AND DIGITAL			CREDITS	3
		COMPOSITING			
COURSE CODE	CDB1319		PD	L-T-P-S	1-0-4-0
CIA		20%		ESE	80%
DD ED EOL HGIMEG	T				
PREREQUISITES	T4 d o4:				-
MODULE - 1	Introduction	on Iding Visual Effects (VFX), Categ	rorios Type	of Visual E	ffoots Uso
		mportance of VFX, Feature of VF			mecis, Use
MODULE – 2 Back		importance of v17x, 1 catale of v1	24 and Spec	10	
WIODOLL ZBuck		g footage, Keying matte - bluea	nd green s	-0	correction.
	wire remo	oval, rotoscopy, lights and camer	a, Tracking	(Motion tra	cking with
	one point	and multiple point tracking of aliv	e		C
	footage).				
MODULE – 3 Digit					.0
	Digital (Compositing; Understanding C	Compositing	g, Passes (Compiling,
	Mattesand	l compositing, Digital Matting Me	thods and t	ools,	
MODIJI E	<u> </u>	Popogging			10
MODULE	Composit	ing Techniques, Digitally Process	ing Image a	and Footages	
		ens; Understanding Chroma	ing image t	ind I ootages.	Green and
		d Composting.			
MODULE – 5 Sim u		9			
	Understan	ding Fluids, Building Simulati Particle Rendering, Paint Effects.	on, Partic	le Simulation	n, Particle
REFERENCE	, , , , , , , , , , , , , , , , , , ,	<i>S</i> ,			
1	The Green S	Gereen Handbook: Real-World Produ	ction Techni	ques. Author:	Jeff Foster;
	Sybex; 1 st e	dition (March 15, 2010), ISBN-10:04	170521074.		
2		Projects Dynamics. Author: Todd P		ex: 1 st edition	
		2, 2009), ISBN-10:0470487763.	, ~ j 0	,	
3	The Visual Effects Arsenal, Author: Bill Byrne; Focal Press; 1st edition (April 17,				
		V- 10:9780240811352.			· ,
MOOC					
	https://www	.mooc-list.com/course/fundamentals-	-graphic-des	ign-coursera?p	age=3
			<u> ۱</u>	<i>U</i>	<i>U</i> -

COURSE TITLE		DESIGN STUDIO – VI		CREDITS	4
COURSE CODE	CDB1341	COURSE CATEGORY	PD	L-T-P-S	0-0-8-0
CIA		50%		ESE	50%
PREREQUISITES					
MODULE - 1	Project -1				20

	Project based on following contents: 3D Animatic / Stillomatic: Line of action, Character blocking with poses, Story contents development and background design.				
MODULE – 2	Project -2 20				
	Group Project based on following contents: Animated short film on a select topic/story: Implementingthe12principlesofanimation with an overview of the whole animation process, Character animation, Actingandlip-syncing & post-Production.				
MODULE – 3	Project -3 20				
	Final design based project report.				

SEMESTER VII

COURSE TITLE	ANI	MATION PRODUCTION D	ESIGN	CREDITS	3
CDB	CDB1401		CF	L-T-P-S	3-0-0-0
CIA		20%		ESE	80%
	_				
PREREQUISITES					
MODULE - 1	Basics of A				6
	Modelling, & Configu Preferences		ing the MAY	A Interface, Cax Interface	Controlling
MODULE – 2 Conce	MODULE – 2Concept of Objects 10				
	Working with Files, Duplicating Objects, Pivoting, Understanding 2D Splines & Shape, Extrude & Bevel 2D object to 3D, Understanding Nurbs, Understanding Polygon, Boolean				
MODULE – 3 Text u	ıring				10
	ofRigging/S	of Modeling Design, Conc Setup, Implement of Principle of d Camera, Understand of basic	of Animation	cturing, Und Techniques, (erstanding Concept of
MODULE				1	
	VFX and Compositing, Understanding of Motion graphics, Concept of colour correction, implement of Audio Video Editing, Final output.				
MODULE – 5 Desig	n	9			
_		ncept or Idea, Story & Script king Animatic design, Concept			Storyboard
REFERENCE					

^{**}Industrial Training Phase - II (During summer break tentatively in the month of MAY-JUNE)

1	Chawdhary, Nirmal Kumar, <i>How to write film screenplay</i> , Kanishka publishers, distributers, New Delhi- 110002, 2009,ISBN978-81-8457-112-7.
2	Whitaker, Harold, John Halas, Updated by Tom Sito, <i>Timing for Animation</i> , Focal Press Elsevier, New York & Singapore, 2009 ISBN:978-0-240-52160-2.
3	Eve Light Honthaner, The Complete Film Production Handbook, FocalPress.
4	Tay Vaughan, <i>Multimedia: Making It Work</i> , Ninth Edition, Mc-Graw Hill Education, 2014.
5	Vic Costello with Susan A. Youngblood and Norman E. Youngblood, <i>Multimedia Foundations: Core Concepts for Digital Design</i> , Focal Press, 2013.
5	Viers, Ric, <i>The Sound Effects Bible: How to Create and Record Hollywood Style Sound Effects</i> , Michael Wiese Productions, 2008.
6	Rumsey, Francis and Tim McCormick, <i>Sound and Recording</i> , Focal Press 2009, ISBN: 978024052163.
7	Darren Brooker, Essential CG Lighting Techniques with 3DS Max, Third Edition, Focal Press, 2008.
8	Inspired 3D Advanced Rigging and Deformations by Brad Clark, John Hood & JoeHarkins
MOOC	
	https://www.mooc-list.com/university-entity/national-film-and-television-school-nfts

COURSE TITLE	NEW N	MEDIA AND INTERACTION	DESIGN	CREDITS	3
COURSE CODE	CDB1402		PD	L-T-P-S	3-0-0-0
CIA		20%		ESE	80%
PREREQUISITES					
MODULE - 1	Introduction	on to New Media			6
	Evolution of	of New Media - History to mod		nology in Ne	w Media;
		edia culture – conventi			of old
		nciplesofNewMedia:Discrete	representat	ion ;	Numerical
	representat	ion; Automation; Variability.			
MODULE – 2Conce					10
	Changing relationship of representation.; Database as genreofnewmedia.;Logicofremediation; Concept of digital dialectic.; Digital Cinema and the history of moving Image.; The new language of cinema.; Forms of New Media: Installations - Sound art, Net art; Free software movement and open source.; New media art installation and cross-media practice; Interactivityand interface: Models of interactive systems.				
MODULE – 3 Intera	action:				10
	Basic con	ncepts in Interaction Design. In	nteraction M	odels – issue	s in man-
	machineinterface, ergonomic considerations, dialog. Paradigms for interaction				
	-time sharing, video display units, Programming toolkits, Sensor based context				
	aware inte	eraction, Multi-modal displays et	c.		
MODULE – 4 I r					10
	: User focu	s; Scenarios; Navigation Design	; Screen Desi	ign and Layou	t;

	Iteration and Prototyping. Design: Principles; Standards; Guidelines; Rules and
	HeuristicsPrinciples
MODULE – 5 Desig	
	Design Techniques: Scenario building; Personas, Brain Storming, Story Boarding, Wire framing etc. Evaluation Techniques: Expert Analysis; Heuristic Evaluation; Evaluation through User Participation. Case examples in Human computer interaction
REFERENCE	
1	B. Shneiderman, Designing the User Interface: Strategies for Effective Human-
	Computer Interaction, 3rd Ed., Addison Wesley,2000.
2	J. Preece, Y. Rogers and H. Sharp, <i>Interaction Design: Beyond Human –Computer Interaction</i> , John Wiley & Sons, Delhi,2003
3	A. Dix, J. Finlay, G.D Abowd and R. Beale, <i>Human Computer Interaction</i> , 3rd Ed., Pearson Education Ltd.,2004.
4	W.O. Galitz, The Essential Guide to User Interface Design of Interaction Design, John Wiley & Sons, 2002.
5	R. Grusin and J. D. Bolter, Remediation: Understanding New Media, MIT Press, 2000.
6	J. Thackara, In the Bubble – Designing in a complex World, Prentice Hall India, 2005.
7	N. Wardrip-Fruin and N. Montfort (eds.), <i>The New Media Reader</i> , MIT Press,2003
MOOC	
	. https://www.mooc-list.com/instructor/jon-mccormack

COURSE TITLE	DESIGN MANAGEMENT AND		CREDITS	3		
	PROFESSIONAL PRACTICE					
COURSE CODE	CDB1403	COURS	E CATEGORY	PD	L-T-P-S	1-0-4-0
CIA			20%		ESE	80%
PREREQUISITES	T					
	Duoingt 1					25
MODULE - 1	Project -1					25
		Performing design projects considering creativity, innovation and				
	management.IPR and Copyright issues and management					
MODULE – 2Project -2 20						
	Managing design project, Workforcemanagement, Team handling, Clientconsultation, Businessdevelopment techniques.					

(A management based design project and execution practice for future professional career.)

COURSE TITLE		MINOR PROJECT		CREDITS	3
COURSE CODE	CDB1481	COURSE CATEGORY	PD	L-T-P-S	0-0-6-0
CIA		50%		ESE	50%
PREREQUISITES					
MODULE - 1	Project -1				45
	Project bas	sed on hypothetical concepts			

related to Newmedia communication and animation design.

**AProjectReporthastobesubmittedattheendoftheSemesterbytheconcernedstudents to the Department with approval from the Project Supervisor and CommitteeMembers.

	DESIGN STUDIO – VII		CREDITS	4	
CDB1431	COURSE CATEGORY	PD	L-T-P-S	0-0-8-0	
	50%		ESE	50%	
Project -1				20	
Project based on following contents:					
New media	and Interaction.				
ct -2	20				
Group Pro	oject based on following cont	ents:			
Scenario b	ouilding; Personas, Brain Stor	ming, Story	Boarding, Wir	e framing	
etc					
Project -3				20	
Heuristic H	Evaluation; Evaluation through	User Particip		Analysis;	
	Project -1 Project ba New media ct -2 Group Pro Scenario be etc Project -3 Final desi Heuristic F	Project -1 Project based on following contents: New media and Interaction. ct -2 Group Project based on following cont Scenario building; Personas, Brain Storetc Project -3 Final design based project report. Evaluation through	Project -1 Project based on following contents: New media and Interaction. ct -2 Group Project based on following contents: Scenario building; Personas, Brain Storming, Story etc Project -3 Final design based project report. Evaluation Tech	Project -1 Project based on following contents: New media and Interaction. ct -2 Group Project based on following contents: Scenario building; Personas, Brain Storming, Story Boarding, Wiretc Project -3 Final design based project report. Evaluation Techniques: Expert Heuristic Evaluation; Evaluation through User Participation. Case	

SEMESTER VIII

COURSE TITLE		MAJOR PROJECT - THESIS	CREDITS	14		
COURSE CODE	CDB1491	COURSE CATEGORY	PC	L-T-P-S	0-0-28-0	
CIA		50%		ESE	50%	
PREREQUISITES						
MODULE - 1	Project					
	This project would be based on design research and implementation.					
Major Project will be done throughout the semester.						

(Project may be Industry-sponsored Project or a continuation of the Minor Project to implement in a practical basis.)

^{**}AProjectReporthastobesubmittedattheendoftheSemesterbytheconcernedstudents to the Department with approval from the Project Supervisor and CommitteeMembers.

DEPARTMENT ELECTIVES

COURSE TITLE	BASICS OF USER INTERFACE DESIGN			CREDITS	3	
COURSE CODE	CDC1251	COURSE CATEGORY	PE	L-T-P-C	1-0-4-3	
CIA		20%		ESE	80%	
PREREQUISITES						
MODULE – 1 Introd				8		
	Human–Computer Interface – Characteristics Of Graphics Interface – Direct ManipulationGraphical System – Web User Interface – Popularity Characteristic & Principles.					
MODULE – 2 Hun	nan Compu	ter Interaction		10		
	User Interface Design Process – Obstacles –Usability –Human Characteristics In Design– Human Interaction Speed –Business Functions –Requirement Analysis – Direct –Indirect Methods – Basic Business Functions – Design Standards – System Timings					
MODULE – 3Web	system			9		
	Characteristics- Components- Presentation Styles- Types- Managements-					
	Organizati	ons-Operations-Web Syst	ems-Device	 Based Contr 	ols	
	Characteris	stics-Screen - Based Contro	ols			
MODULE – 4 Mul t	timedia			9		
	Text For V	Web Pages – Effective Feedb	ack- Guidan	ce & Assistan	ce-	
	Internation	alization- Accesssibility- Id	cons– Image-	- Multimedia -	- Coloring.	
MODULE – 5Layo	out– Test9					
		– Kinds Of Tests – Retest – ia – WWW– Software Tools		Search – Visu	ıalization –	
REFERENCE						
1		Galitz, "The Essential Guide To U			ey&Sons, 2001.	
2	Ben Sheideri 84	man, "Design The User Interface"	, Pearson Educa	ation, 1998.		
3	Alan Cooper	, "The Essential Of User Interface	Design", Wile	y – Dream Tech	Ltd.,2002.	
4	The elements of user experience - Jesse James Garrett					
MOOC	•					
	https://www.	mooc-list.com/tags/user-interface	-design			

COURSE TITLE	BASICS OF USER EXPERIENCE DESIGN		CREDITS	3	
COURSE CODE	CDC1252	COURSE CATEGORY	PE	L-T-P-C	1-0-4-3
CIA		20%		ESE	80%
PREREQUISITES					
MODULE – 1CONCEPTUALIZING USER EXPERIENCEDESIGN					

	Introduction to IIV Understanding IIV Lifeavels & flavor of events Derson
	Introduction to UX - Understanding UX Lifecycle & flow of events - Person
	creation - Preparing Task list - Writing user story, IA and use cases -
	Fundamentals of business- centred design and User-centred design - Defining
MODINE ADAMA	Information design and Interaction design
MODULE – 2DATA	COLLECTION AND PROTOYPING
	Need for data collection and prototyping - Different methods of data
	connection and data analysis - Need for Prototyping and different methods
	of prototyping - Detailed study to wire framing
MODULE – 3VALII	
	Fundamentals of usability testing and heuristic analysis - Fundamentals of
	field testing - Remote usability testing - Preparing for usability testing,
	questioner, scenarios with tasks list, recruiting participants
MODULE – 4 Mobi	le And Small ScreenDevice
	UX for Mobile device - Prototyping for Mobile devices - Usability testing and
	heuristic for mobile device - Experience definition for multiple platforms and
	form factor - Designing for small screen
MODULE – 5 Desig	n For Personas And Scenarios
	Designing forUsers-User Personas andScenarios -Understanding and designing
	business with "requirementgathering"-Design for NetworkEffects-Design
	PatternLibraries - Social DesignPatterns
REFERENCE	
1	Ted Roden, Building the Realtime User Experience: Creating Immersive and Interactive Websites, Shroff/O'Reilly,2010.
2	Christian Kraft, User Experience Innovation: User Centred Design that Works, Apress, 2012
3	Tom Tullis and Bill Albert, Measuring the User Experience: Collecting,
	Analyzing, and Presenting Usability Metrics, Morgan Kaufmann
	Publishers,2008.
4	Trevor van Gorp and Edie Adams, Design for Emotion, Morgan Kaufmann, San
	Francisco, 2012
MOOC	
	https://www.mooc-list.com/tags/ux-design
L	

COURSE TITLE		ERGONOMICS		CREDITS	3
COURSE CODE	CDC1261	COURSE CATEGORY	PE	L-T-P-S	1-0-4-0
CIA		20%		ESE	80%
PREREQUISITES					
MODULE - 1	Introduction	1			10
	Design today- Human aid to lifestyle, Journey, Domain, Philosophy and				
	Objective, tual task comfort: two way dialogue, communication model,				
	Ergonomics/ human Factors fundamentals				
MODULE – 2 Proje	ct -2	10			
	Human body- structure and function, anthropometrics, Static and dynamic				
	anthropomet	ry, Stand Posture- erect, Antl	nropometry	landmark:Sitting	postures,

	Anthropometric measuring techniques, Statistical treatment of data and
	percentile calculations
MODULE – 3	Project -3 10
	Communication and cognitive issues, Psycho-social behaviour aspects,
	behaviour and stereotype, Information processing and perception, Cognitive
	aspects and mental workload, Human error and risk perception
MODULE – 4	
	Visual performance, Visual displays, Environmental factors influencing human
	performance
MODULE – 5	
	Ergonomics design methodology, Ergonomics criteria/check while designing,
	Design process involving ergonomics check, Humanising design: Design and
	human compatibility, comfort and adaptability aspects
REFERENCE	
1.	Bridger, RS: Introduction to Ergonomics, 2nd Edition, Taylor &Francis, 2003.
2.	Dul, J. and Weerdmeester, B. Ergonomics for beginners, a quick reference guide, Taylor & Francis, 1993.
3.	Green, W.S. and Jordan, P.W., Human Factors in Product Design, Taylor & rancis, 1999.
4.	D. Chakrabarti, Indian Anthropometric Dimensions for ergonomic design practice, National Institute of Design, Ahmedabad, 1997
5.	G.Salvendy (edit), Handbook of Human Factors and ergonomics, John Wiley & Sons,
	Inc., 1998
6.	Singh,S (Edt),Ergonomics Interventions for Health and Productivity, Himanshu
	Publications, Udaipur, New Delhi, 2007
MOOC	
	https://www.mooc-list.com/tags/human-factor

COURSE TITLE	II	ILLUSTRATION TECHNIQUES			3	
COURSE CODE	CDC1262	COURSE CATEGORY	PE	L-T-P-S	1-0-4-0	
CIA		20%		ESE	80%	
PDEDEGL VICKERS	T					
PREREQUISITES						
MODULE - 1						
	Illustration course focuses on image making, narrative and creative problem solving. Drawing and image making - figure and reportage drawing and the relationships between ideas, visual research and outcomes in project work.					
MODULE – 2 Histor						
	The definition and role of illustration. The history of illustration. Illustrator as a flexible, trans global, entrepreneurial producer of self-initiated projects.					
MODULE – 3	Visual Thinking9					
	Cognitive,	improvisatory, gestural and k	inetic process	ses with drawin	g.	

	Practice drawing character designs, caricature creations, environmental landscape drawing, and other pre-production drawing techniques.
MODULE – 4	Color 10
	Hue, value, and saturation. The Structure of Color. Color Interaction. Color
	Unity. Color Research. The Psychology of Color. Color Study on the Computer. The composition of color on the computer in CMYK.
MODULE – 5	Idea Generation 10
	Idea Generation-the approaches, theories and strategies. Exercising creativity.
	The Basics. Techniques. What Image Mean. Using Images. Images in Practice.
	Mark Making.
REFERENCE	
	Thinking Visually, Mark Wigan, 2014
	The Illustrators bible: The Complete Sourcebook of Tips, and Tricks, Rob
	Howard, 2010
	Graphic Style: From Victorian to Digital, Steven Heller, 2011
	Illusive: Contemporary Illustration And Its Context, Robert Klanten
MOOC	
	https://www.mooc-list.com/tags/sketching-techniques

COURSE TITLE		MOVING IMAGE DESI	IGN	CREDITS	3
COURSE CODE	CDC1351		PE	L-T-P-S	1-0-4-0
CIA		20%		ESE	80%
PREREQUISITES					
MODULE - 1	Project -1				15
	Cinema as Cinema (m	sed on following contents: an Art and Industry, Cinem ain stream and parallel).	a as propaga		ma, Indian
MODULE – 2 Proje	ect -2			15	
	Project ba	ased on a thematic/hypothe	etical subject	•	
	Documenta	ry film, narrative an	d experiment	alfilms	
MODULE – 3 Proje	ect -3 15	,	•		
	Project based on following contents: Digital Cinema, new filmmakers and the influence of internet.				
REFERENCE	<u> </u>				
1	With \$7,000	Robert, <i>Rebel without a Crew:</i> Became a Hollywood Player, Ing, September 1996.			r
2		ter, <i>In the Blink of an Eye</i> Revitted tedition (April 1995).	sed 2nd Editio	n, Publisher: Silma	n
3	Dix, Andrey Jul2008.	v, Beginning film studies, Publi	sher: Manches	ster University Pres	s, 15
4	Ray, Satyajit, <i>Our Films Their Films</i> , Publisher: OrientLongman Pvt. Ltd., Third Edition, 1993.				
MOOC					

https://www.mooc-list.com/course/foundations-arts-and-entertainment-
technologies-kadenze

COURSE TITLE	P	ACKAGING AND PRINTI	ING	CREDITS	3	
COURSE CODE	CDC1352	COURSE CATEGORY	PE	L-T-P-S	1-0-4-0	
CIA		20%	·	ESE	80%	
DDEDEOLUCITEC						
PREREQUISITES	Duintin a 10					
MODULE - 1	Printing 10	C C'1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.	1	··	
		of films and photographic pa				
		lms, Main-base, Stripping, A				
		ve materials, Developers, Rec			t sensitive	
MODINE AD		r printing image carrier for m	ajor printing p	processes.		
MODULE – 2 Pape			1	1 1		
	*	Ion- Paper Substrate used for		0 0	• • •	
		abstrate – Polyethylene, Poly		• •		
		e teraphthalate (PET), Polyes	ter, Polystyrei	ne, Cellophane,	Metal,	
	Foils, Lamin					
MODULE – 3		nks &Coatings10				
		used in Printing Inks, Coating				
		chicles, Additives, Binders, T	• •	•		
	-	Liquid Inks, Letter Press Inks, Offset/ Lithographic Inks, Gravure Inks, Flexo-				
	graphic Inks	graphic Inks. Constituents of coating & varnishes. Application, advantages and				
	limitations of coatings & Varnishes.					
MODULE –4	Adhesives for Printing & Packaging 9					
	Adhesives for Printing & Packaging : Adhesion, Types of Adhesive – Animal					
	Glues, Fish	Glues, Fish Glues, Casin Adhesives, Starch Based Adhesives, and Natural resin				
	Adhesives, Cellulose Adhesives, Rubber based adhesives, Synthetic resin				esin	
		norganic Adhesives, Hot Mel	t.			
MODULE –5	Materials				6	
	Miscellaneo	ous Materials : Different types	s of rubber use	ed in printing, E	Book	
	binding Mat	terials - Leather, Cloth, Rexe	ne, Threads, T	Tapes, Stitching	Wire,	
	Covering M	aterials, Varnishes, Laminate	es Eye-lets, the	ermoform		
REFERENCE						
1.		ble: Winn IL RochTechmedia				
2.		Desk Top Typography: Quark X Press				
3.		5.0: BPB Publication				
4.		Digital World – David Bergslan	ıd			
5.	Introduction to Prepress - Hugh Speirs					
6.	Computer Technology – Sinha&Sinha					
MOOC						
	https://www	.mooc-list.com/tags/digital-tech	nnology			

COURSE TITLE	CONCEPT OF FILM MAKING		NG	CREDITS	3
COURSE CODE	CDC1353		PE	L-T-P-S	3-0-0-0
CIA		20%		ESE	80%
PREREQUISITES					
MODULE - 1	Introduction	n			9
	Definitiono	fFilm,Conceptandideageneration	on, Scope of	Documentary/H	Film, Story
	developmen	nt-treatment-scriptment-plotpoi	nts– structur	e, Writing the s	creenplay.
	-	the screenplay, Scenic design a			
	Financing t	1 .	- r - r - r		,
MODULE – 2 Prepr		9			
	Casting Lo	cations, Shot list, Script, Tech s	cout, Film P	roduction desig	gn
MODULE – 3 Produ	iction	9			
	Principleofphotography/videography–setting up,RehearsalSettingupshots,Singleandmulti- camera shooting, Checking thetake.				
	MODULE – 4Post production 9				
	Editing, Sound mixing, Music, Test screenings, Movie distribution				
MODULE – 5 Short		9			
	Emerging trends in short films, Theory of storytelling, Framing and time distribution, Editing and management.				
REFERENCE					
1	Renee Dunlo	pp, Production Pipeline Fundamer	ntals for Film	and Games, Foc	alPress
2	Eve Light Honthaner, The Complete Film Production Handbook, FocalPress.				
MOOC					
	https://www	.mooc-list.com/tags/film			

COURSE TITLE	BRA	AND MANAGEMENT DES	SIGN	CREDITS	3	
COURSE CODE	CDC1354	COURSE CATEGORY	PE	L-T-P-S	1-0-4-0	
CIA		20%		ESE	80%	
PREREQUISITES						
MODULE - 1	Introduction	Introduction9				
	Describe the characteristics of a brand-Define the main concepts of branding -					
	purpose of brandExamine brand concepts in real - life setting -					
	articulating the context of and the rationale for the application					
MODULE – 2Developing Brand Elements 10						

	Describe the process and methods of developing brand elements -
	Reasons and process of developing brand associations – Identify effective
	marketing and marketing communications strategies- use of
	social/digital platforms
MODULE – 3	Evaluation 10
	Describe the process and methods of measuring brand performance-
	Interpret basic quantitative and qualitative brand performance data -
	Understand various marketing intelligence acquisition methods -
	Propose brand evaluation plans
MODULE – 4	Managing Brand 6
	Describe the main concepts and tools for managing brands over time, geographic
	areas, and market segments -Formulate effective branding
	strategies for both consumer and business products/services - Analyze new
	product development and brand extension programs based on
	market information
MODULE – 5	Brand Equity 10
	Design marketing and marketing communications programs that build brand
	equity
REFERENCE	
1.	Strategic Brand Management (4th edition), Kevin Lane Keller, Prentice Hall, 2012.
2.	Cases, readings, and simulation materials available at Harvard Business Publishing
3.	Marketing/Brand Intelligence page on the course site and research resource page for
Mood	VIC6316 available at http://businesslibrary.uflib.ufl.edu/vic6316
MOOC	
	https://www.mooc-list.com/tags/brand-management

COURSE TITLE	GAME DESIGN AND PRODUCTION PROCESS			CREDITS	3	
COURSE CODE	CDC1361	COURSE CATEGORY	PE	L-T-P-S	1-0-4-0	
CIA		20%		ESE	80%	
PREREQUISITES						
MODULE - 1	Introductio				10	
	Game Design Origins – Understanding Games, Game Rules, Cheats, Cheat-Codes, Easter Eggs; Gameplay Styles and Strategies. Brainstorming and makinga simple paper-based game.					
MODULE – 2Game Design 10						
	Core Game Design Concepts; Introduction to Artificial Intelligence; Visual					
	Design; Detailed Development of Visuals; Navigation and Interfaces; Designing					
	Levels and the Game Design Document					
MODULE – 3	Game Elements10					
	Genres, Platforms & ApplicationsPlayer Elements: Market, Theory &					
	Interactivity. Game Tracking and Legal Issues; Distribution and Marketing.					
MODULE – 4		-				
	Understand the process of creating games using objects and rooms -Understand				nderstand	
	the global user interface - Process player input using the keyboard and mouse -					

	Use the file, edit, and add menus to manipulate sprites, sounds, and backgrounds
MODULE – 5	Production
	Development & Business Cycles Preproduction: Planning& Processing. o
	Production: Prototyping & Play testing Post-Production: Maintenance &
	Marketing.
REFERENCE	
	Fullerton, T. (2007). Game Design Workshop (GDW): A playcentric approach to
	creatinginnovative games. Burlington, MA: Morgan Kaufmann Publishers.
	Anthropy, A. & Clark, N. (2014) A Game Design Vocabulary
	Schell, J. (2008) The Art of Game Design. Burlington
	Salen, K. and Zimmerman, E. (2004) Rules of Play: Game Design Fundamentals
MOOC	
	https://www.mooc-list.com/tags/game-design

COURSE TITLE	ADVANCE ILLUSTRATION TECHNIQUES			CREDITS	3
COURSE CODE	CDC1362	COURSE CATEGORY	PE	L-T-P-S	1-0-4-0
CIA		20%		ESE	80%
PREREQUISITES					
MODULE - 1	Introductio	n			7
	Media and	Fechniques: pencil and ink, pa	astels, waterco	olor, gouache, a	erylics,
	oils, airbrus	hing, printmaking, collage an	d assemblage,	computer illus	stration,
	mixed medi	a.	_	-	
MODULE – 2 Expe	rimental Illus	stration 9			
	Experiment	Experimental Illustration- exploration of a variety of media, such as gouache,			
	acrylic, mixed media, 3D, and transfer techniques. An atmosphere of artful play				
	and serendipity is promoted, which is then capitalized on by controlled				
	experimenta	ation.	•	•	
MODULE – 3	Visual Thin				
	Character Creation - explore the process of designing characters as well as the				
	objects they possess and the environments they inhabit-Develop characters and				
	environments that are both personally and culturally resonant and imaginative.				
MODULE – 4	Digital Illustration 10				
	Digital Illustration - creation of illustrations using digital media -explore industry				
	standard graphic application - learn to work with digital media as traditional art				
	making medias, as a means, not an end, to the creative process. Emphasis on				
	drawing, painting, design, and concept and color theory.				
MODULE – 5	Idea Generation 10				10
	Idea Generation-the approaches, theories and strategies. Exercising creativity.				
	The Basics. Techniques. What Image Mean. Using Images. Images in Practice.				
	Mark Making.				
REFERENCE					
1.	Thinking Vis	sually , Mark Wigan, 2014			
2.		ors bible: The Complete Sourceb	ook of Tips, an	d Tricks, Rob I	Howard,

	2010
3.	Graphic Style: From Victorian to Digital, Steven Heller, 2011
4.	Illusive: Contemporary Illustration And Its Context, Robert Klanten
MOOC	
	https://www.mooc-list.com/tags/sketching-techniques

COURSE TITLE	TANGIBLE USER INTERFACE		CREDITS	3		
COURSE CODE	CDC1363	COURSE CATEGORY	PE	L-T-P-S	1-0-4-0	
CIA		20%		ESE	80%	
PREREQUISITES						
MODULE - 1	Introductio	n			6	
	An overview	w and introduction of tangible	e user interfac	e; Visibility; At	ffordance;	
		pping; Feedback; Constraints;	; History of T	UI;		
MODULE – 2User		10				
	Graspable u	ser interfaces; Tangible bits;	Digital-physic	cal coupling; E	mbodiment	
	of physical	of physical representation; Balancing physical-digital representations;				
	Mechanisms of interactive control; Active-passive TUI					
MODULE – 3	Embodime	nts 10				
	Types of en	Types of embodiments; Tokens, containers and tools; Pyfo, token, constraint and				
	TAC paradi	gm				
MODULE – 4	Metaphors				9	
	Metaphor of verb; Metaphor of noun; introduction to tools and technologies					
	necessary for designing and building tangible user interfaces;					
MODULE – 5	Reality Based Interfaces 10					
	Introduction of reality-based interfaces; Organic user interfaces; SMaG-speech,					
	manipulations and gestures;					
	Studio/Project assignments in design of tangible user interfaces will be given to					
	the students					
REFERENCE						
1	K. Ryokai, R. Aipperspach and D. Nguyen, <i>Theories and practices of tangible user interfaces</i> , School of Information, University of California, Barkeley,2007					
2	T. Igoe, Making things talk – practical methods for connecting physical objects, O'Reilly Media, 2007					
3	O. Shear and E. Hornecker, <i>Tangible User Interface</i> , Now Publishers Inc.,2010.					
1						
4	D. Saffer, A	Designing gestural Interfaces: dia, 2007	touch screen	s and interacti	ve devices,	
4 MOOC	O'Reilly Me					

COURSE TITLE	ENVIRONMENTAL GRAPHIC DESIGN			CREDITS	3	
COURSE CODE	CDC1364	COURSE CATEGORY	PE	L-T-P-S	1-0-4-0	
CIA		20%		ESE	80%	
PREREQUISITES						
MODULE - 1	Introduction	on			10	
	Environme	ntal Graphic Design (EGD) te	chnology elei	ments arranged	into	
	systems - tl	ne concepts changing content	motionand in	nteractionbetwee	ena user in	
	a place and	a place and information way finding, place making,				
MODULE – 2 Exhi						
	Exhibition design, public spaces					
MODULE – 3	Master planning10					
	Research and master planning, Mapping					
MODULE – 4	Branded Environments					
	Branded Environments, Themed Environments, Retail Store Design					
MODULE – 5	Public Design					
	Civic Design ,Pictogram Design					
REFERENCE						
	Lankow, J. (2012). Infographics: The power of visual storytell- ing. Hoboken, NJ: Wiley.					
	Marcel,F.(2014). Infographics and data visualization tools to engage yourlanguage					
	learners. Contact, 40(1), 44-50.					
	Schriver, K.A. (2012). What Do Technical Communicators Need to Know about					
	InformationDesign? In J. John-son-Eilola &S.Selber (Eds.).Solving problems					
	intechnical communication. Chicago, IL: University of Chicago Press.					
MOOC						
	https://www	w.mooc-list.com/tags/infograp	hics			